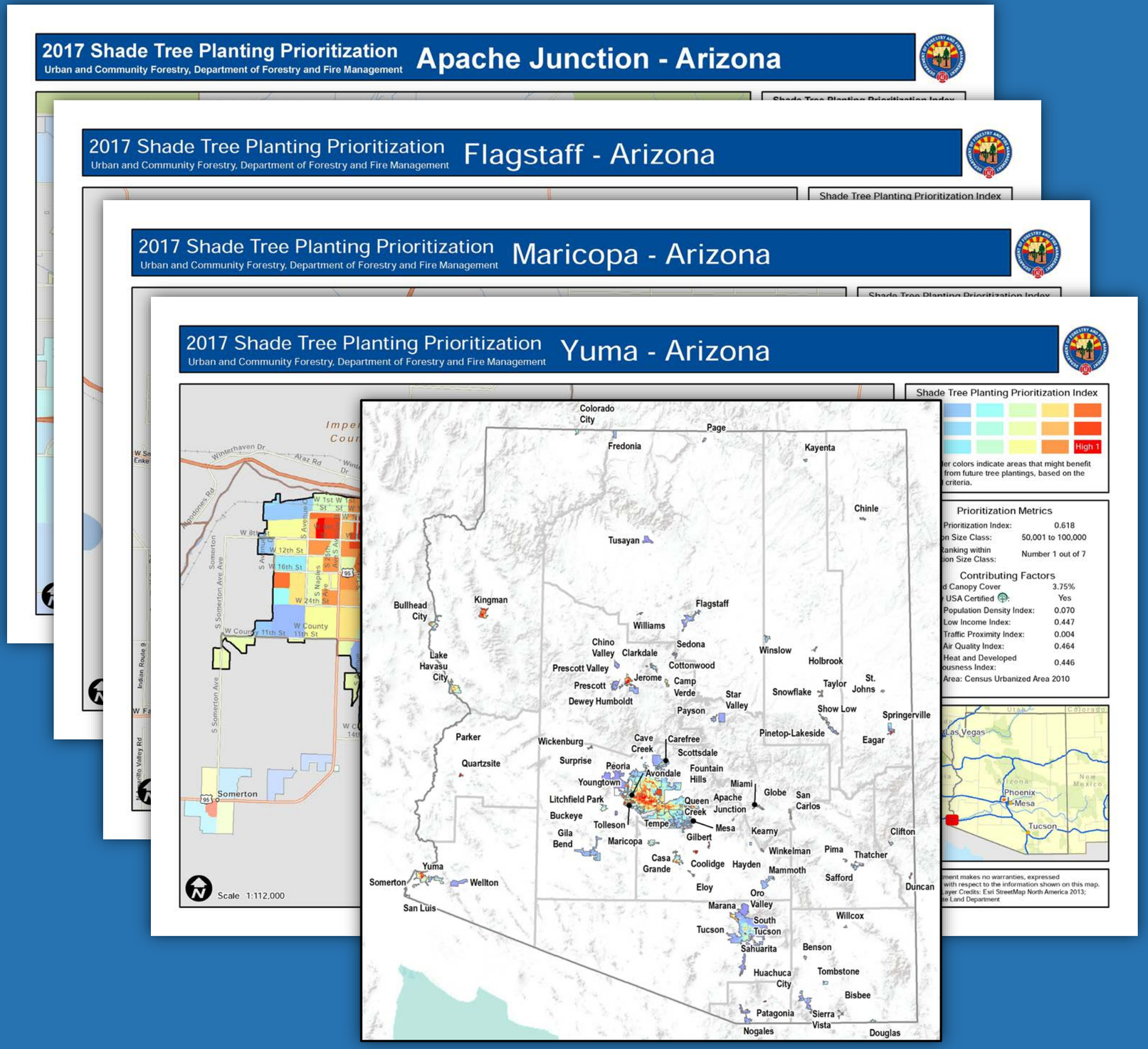
Urban and Community Forestry

# 2017 Arizona Shade Tree Planting Prioritization ATLAS

Planning Maps for the Department of Forestry and Fire Management



## About the 2017 Shade Tree Planting Prioritization Atlas

This collection of maps summarizes the results of the 2017 Shade Tree Planting Prioritization analysis of the Urban and Community Forestry Program (UCF) at the Arizona Department of Forestry and Fire Management (DFFM). The purpose of the analysis was to assess existing urban forests in Arizona's communities and identify shade tree planting needs.

The spatial analysis, based on U.S. Census Block Group polygons, generated seven sub-indices for criteria identified by an expert panel: population density, lack of canopy cover, low-income, traffic proximity, sustainability, air quality, and urban heat effect. The seven sub-indices were combined into one Shade Tree Planting Priority Index and further summarized into a Shade Tree Planting Priority Ranking. The resulting reports, maps, and GIS data provide compiled information that can be easily used for identifying areas for strategic shade tree planting within a community or across Arizona's major cities and towns.

These maps provide limited detail for conveying the scale and depth of the analysis results which – for more detailed use – are best explored through the analysis report, interactive maps, and the GIS data available through the UCF Program webpage at https://dffm.az.gov/forestry-community-forestry/urban-community-forestry/projects.

**Note**: Two known analysis area errors in the 2016 STPP have been corrected. A few of Safford's incorporated easements are now captured correctly. Sahuarita (incorporated) and Green Valley (unincorporated) have been split into separate communities.

## How to Use and Cite

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**Cite this product as:** ***UCF. 2017 Arizona Shade Tree Planting Prioritization Atlas. Phoenix: Arizona Department of Forestry and Fire Management, 2017*****.**

## Analysis Summary

| Index | Description | Data Source | Calculation |
|---|---|---|---|
| A Population Density | 2010 Census population density per Census Block Group (pop / square mile) | EPA EJscreen; Census Bureau | *Index* = normalized *population density* |
| B Lack of Canopy Cover | 2015/2016 i-Tree Canopy urban canopy cover estimate per incorporated or major community (%) | UCF | *Index* = normalized *% urban tree cover* |
| C Low-Income | 2010 Census population at below two times the poverty level per Census Block Group (%) | EPA EJscreen; Census Bureau | *Index* = normalized *% Low-Income* |
| D Traffic Proximity | EPA traffic proximity index per Census Block Group | EPA EJscreen | *Index* = normalized *traffic proximity index* |
| E Sustainability | 2016 Tree City USA status per incorporated community (1, 0) | Tree City USA | *Index* = normalized *Tree City USA status* |
| F Air Quality | Combination of EPA Ozone and PM 2.5 concentration scores per Census Block Group | EPA EJscreen | *Score* = normalized *Ozone concentration* + normalized *PM 2.5 concentration*<br>*Index* = normalized *Score* |
| G Heat and Developed Imperviousness | Product of Nightly MODIS Land Surface Temperature (LST, 1 km resolution) averages (June 2013, 2014, 2015; in Fahrenheit) and NLCD 2011 Percent Developed Imperviousness (%, 30 m resolution) | MODIS; NLCD | *Score* = normalized *average MODIS LST* × normalized *NLCD Imperviousness*<br>*Index* = normalized *Score* |
| Shade Tree Planting Prioritization Index | The **Master Score** is the average of all sub-indices per analysis polygon. The **Master Index** is based on normalizing the Master Score per analysis polygon among towns with similar population sizes (2015 ASLD):<br>1 to 1,000 — 6 communities; 1,001 to 5,000 — 28 communities<br>5,001 to 10,000 — 16 communities; 10,001 to 50,000 — 27 communities<br>50,001 to 100,000 — 7 communities; 100,001 and larger — 10 communities | ASLD (Arizona State Land Department 2015 City Population); Census Bureau | $Score = \frac{(A + B + C + D + E + F + G)}{7}$<br>*Index* = normalized *Scores* grouped by Population Class |

# 2017 Shade Tree Planting Prioritization Atlas

**Special thanks for the advice and contributions from:**

Arizona Community Forestry Committee
Arizona Remote Sensing Center, University of Arizona
Advanced Resource Technology Lab, University of Arizona
School of Geographical Sciences and Urban Planning, Arizona State University
University of Arizona Climate Science Extension

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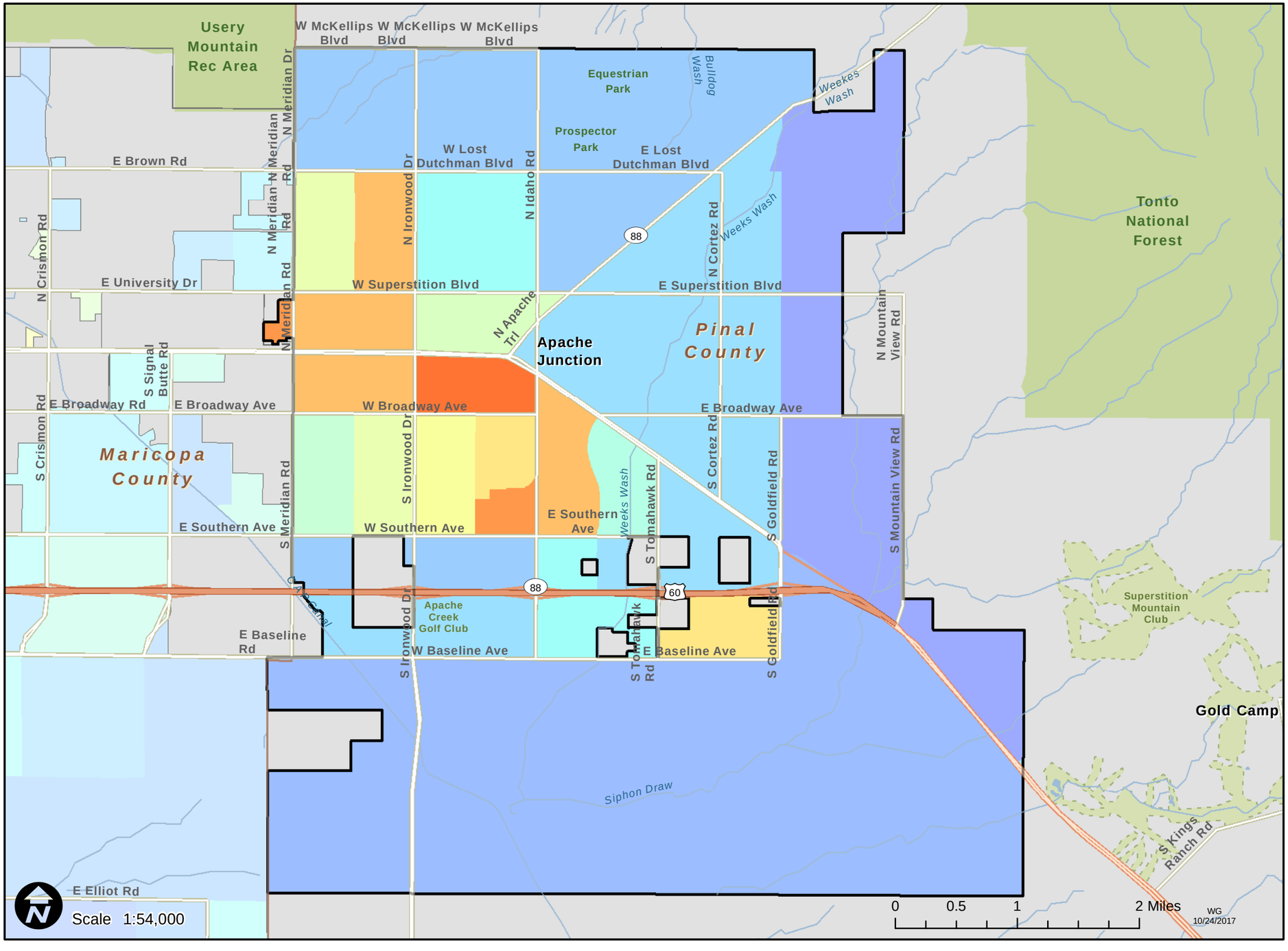
# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Apache Junction - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.514 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 12 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 4.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.052 |
| Average Low Income Index: | 0.381 |
| Average Traffic Proximity Index: | 0.010 |
| Average Air Quality Index: | 0.639 |
| Average Heat and Developed Imperviousness Index: | 0.351 |

Analysis Area: ASLD Incorporated Areas 2013

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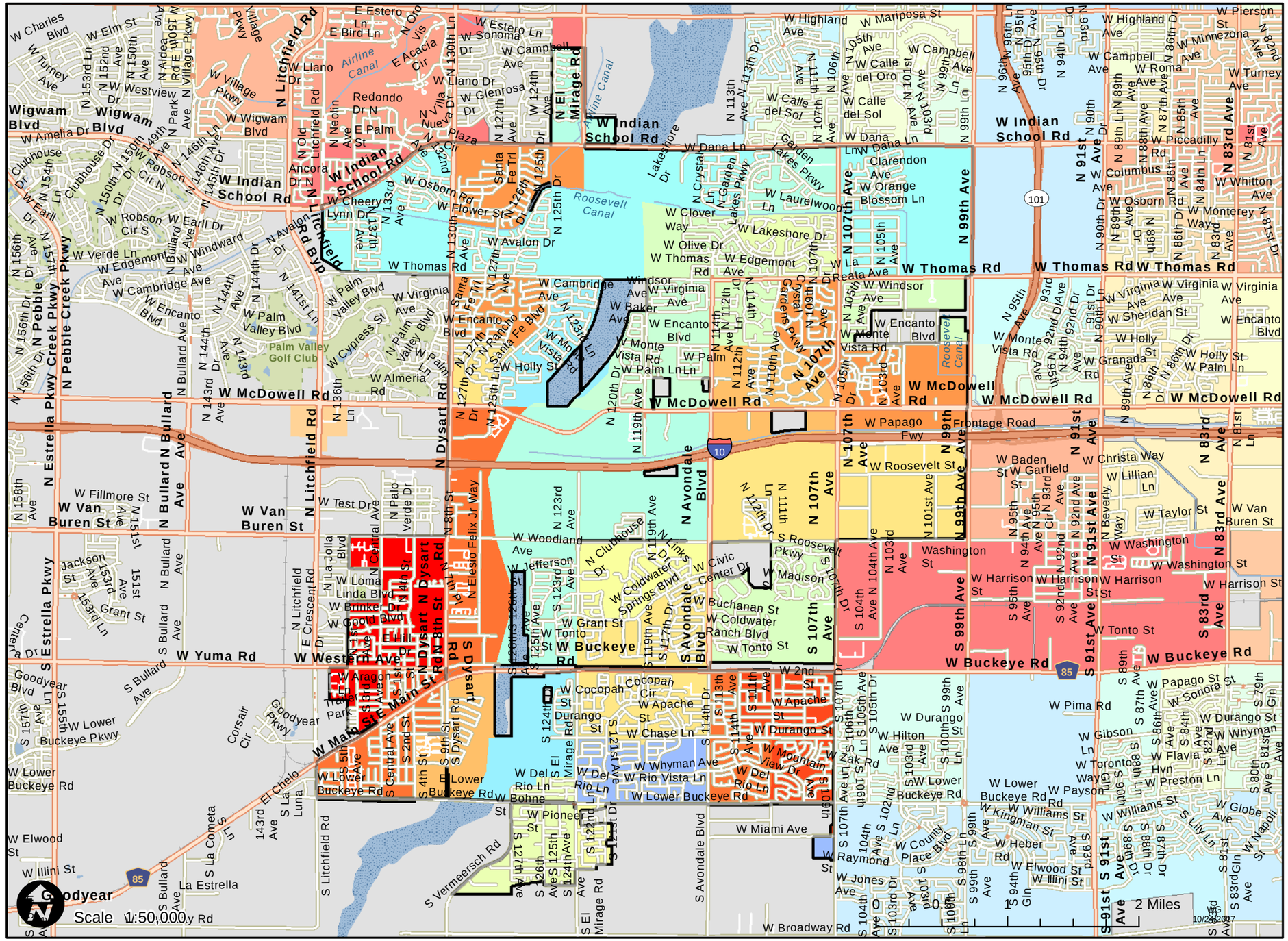
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Avondale - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.605 |
| Population Size Class: | 50,001 to 100,000 |
| Priority Ranking within Population Size Class: | Number 2 out of 7 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 6.80% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.080 |
| Average Low Income Index: | 0.368 |
| Average Traffic Proximity Index: | 0.005 |
| Average Air Quality Index: | 0.646 |
| Average Heat and Developed Imperviousness Index: | 0.402 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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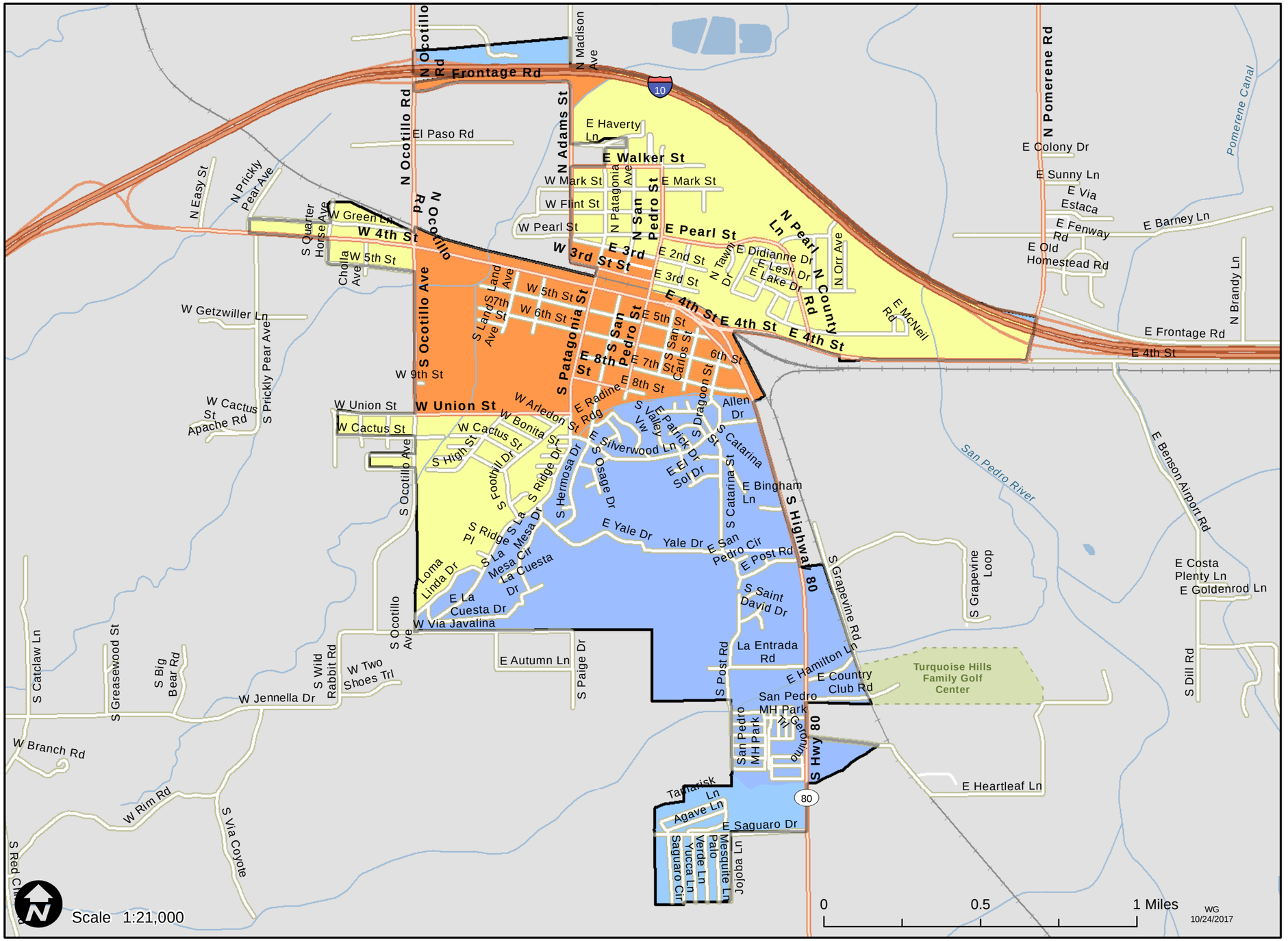
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Benson - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.502 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 12 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 4.50% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.008 |
| Average Low Income Index: | 0.470 |
| Average Traffic Proximity Index: | 0.007 |
| Average Air Quality Index: | 0.369 |
| Average Heat and Developed Imperviousness Index: | 0.236 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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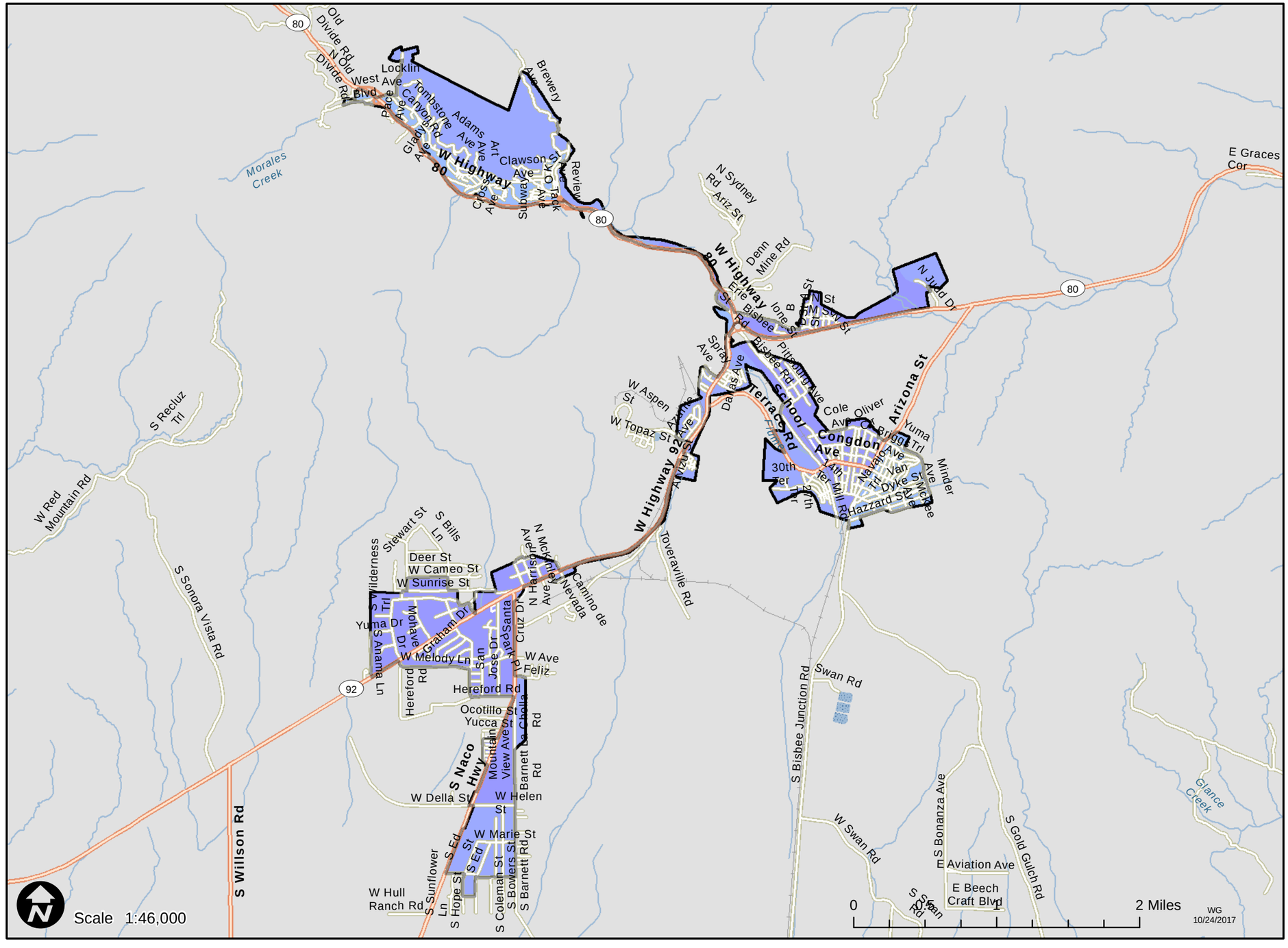
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Bisbee - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.258 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 15 out of 16 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 7.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.003 |
| Average Low Income Index: | 0.489 |
| Average Traffic Proximity Index: | 0.001 |
| Average Air Quality Index: | 0.196 |
| Average Heat and Developed Imperviousness Index: | 0.146 |

Analysis Area: Census Urbanized Area 2010

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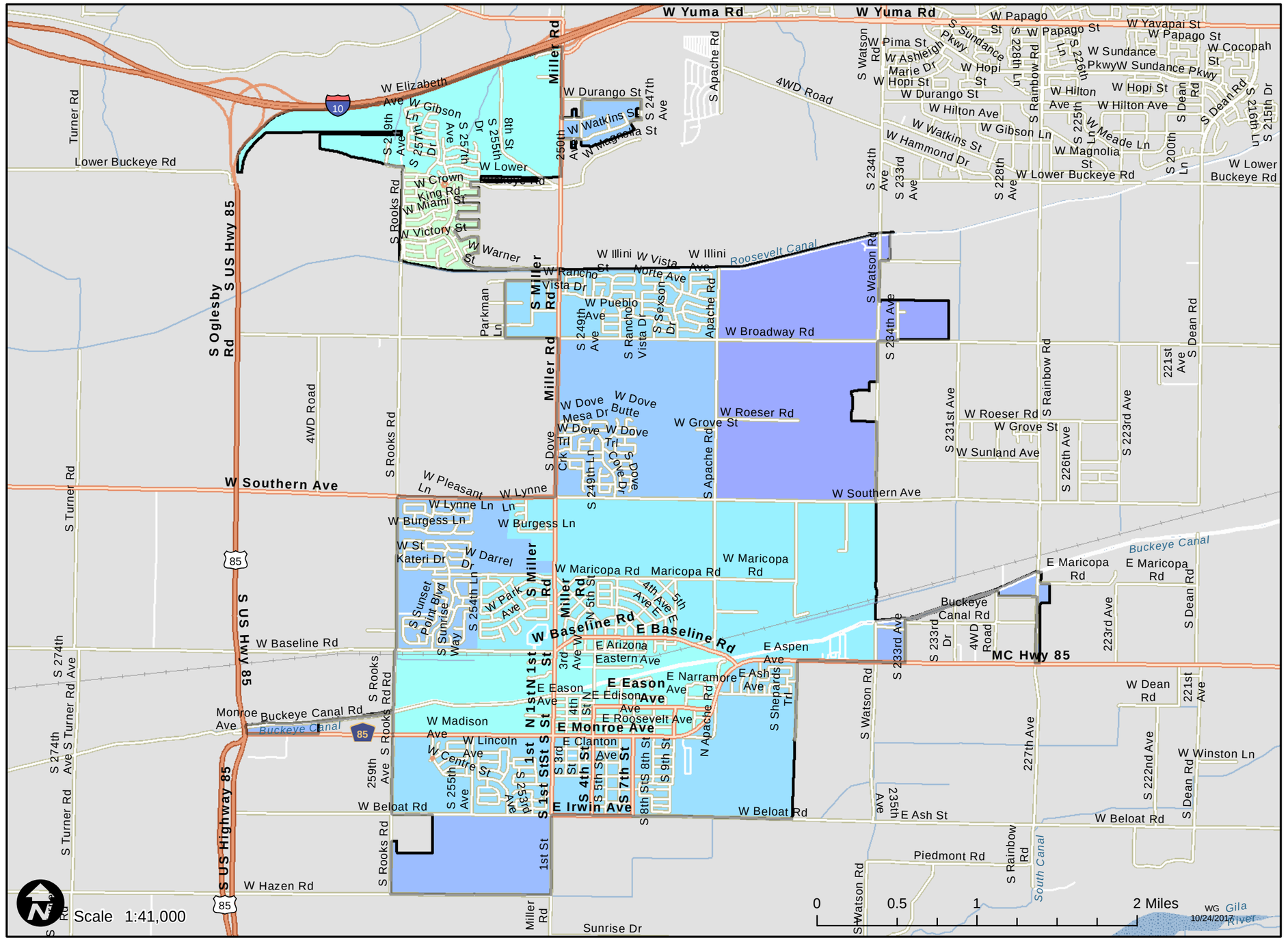
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Buckeye - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.398 |
| Population Size Class: | 50,001 to 100,000 |
| Priority Ranking within Population Size Class: | Number 5 out of 7 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.00% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.025 |
| Average Low Income Index: | 0.443 |
| Average Traffic Proximity Index: | 0.003 |
| Average Air Quality Index: | 0.220 |
| Average Heat and Developed Imperviousness Index: | 0.169 |
| Analysis Area: | ASLD incorporated area x Census Urbanized Area intersection |

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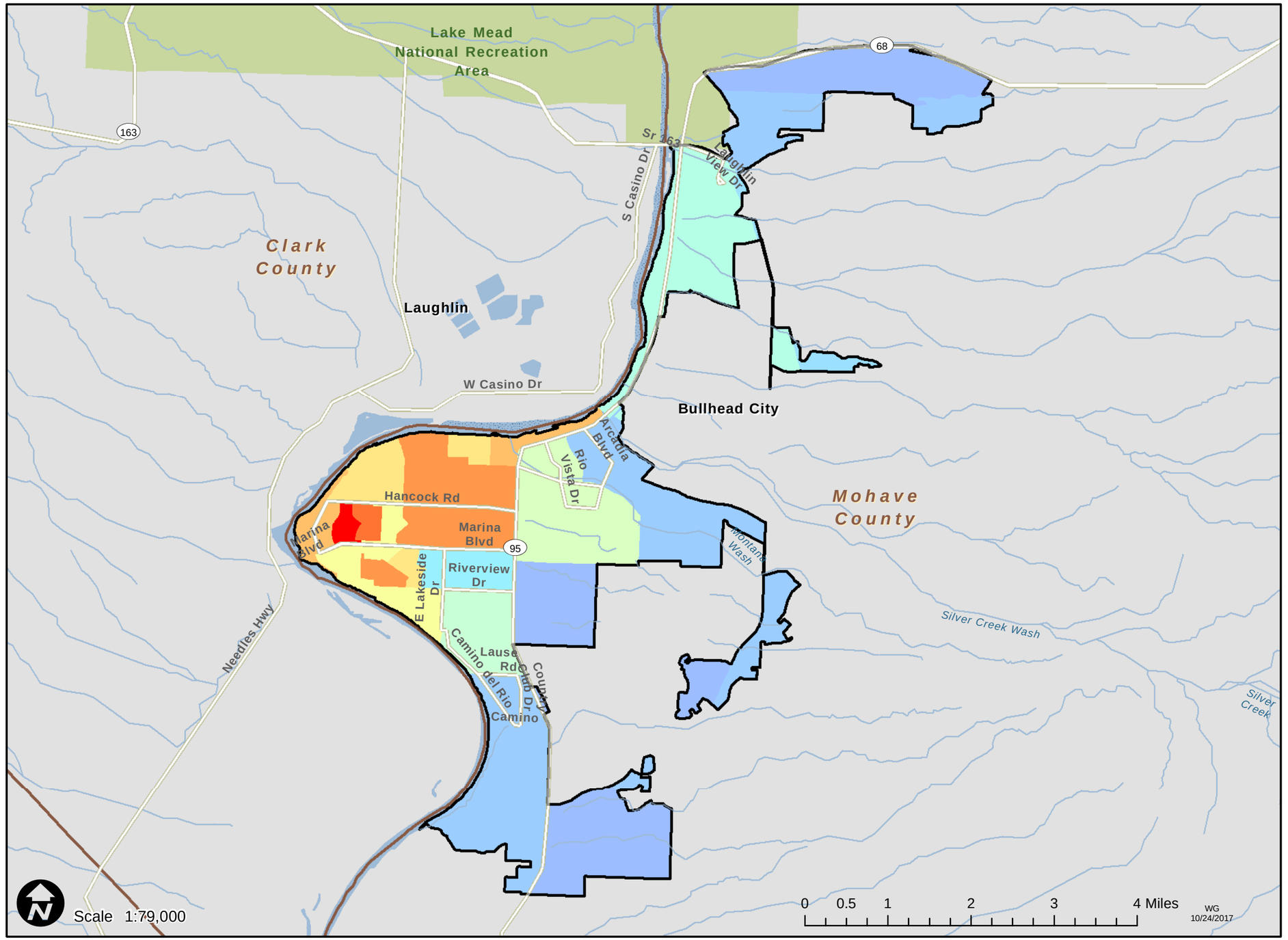
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Bullhead City - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.543 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 10 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 2.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.049 |
| Average Low Income Index: | 0.487 |
| Average Traffic Proximity Index: | 0.005 |
| Average Air Quality Index: | 0.418 |
| Average Heat and Developed Imperviousness Index: | 0.488 |
| Analysis Area: | ASLD incorporated area x Census Urbanized Area intersection |

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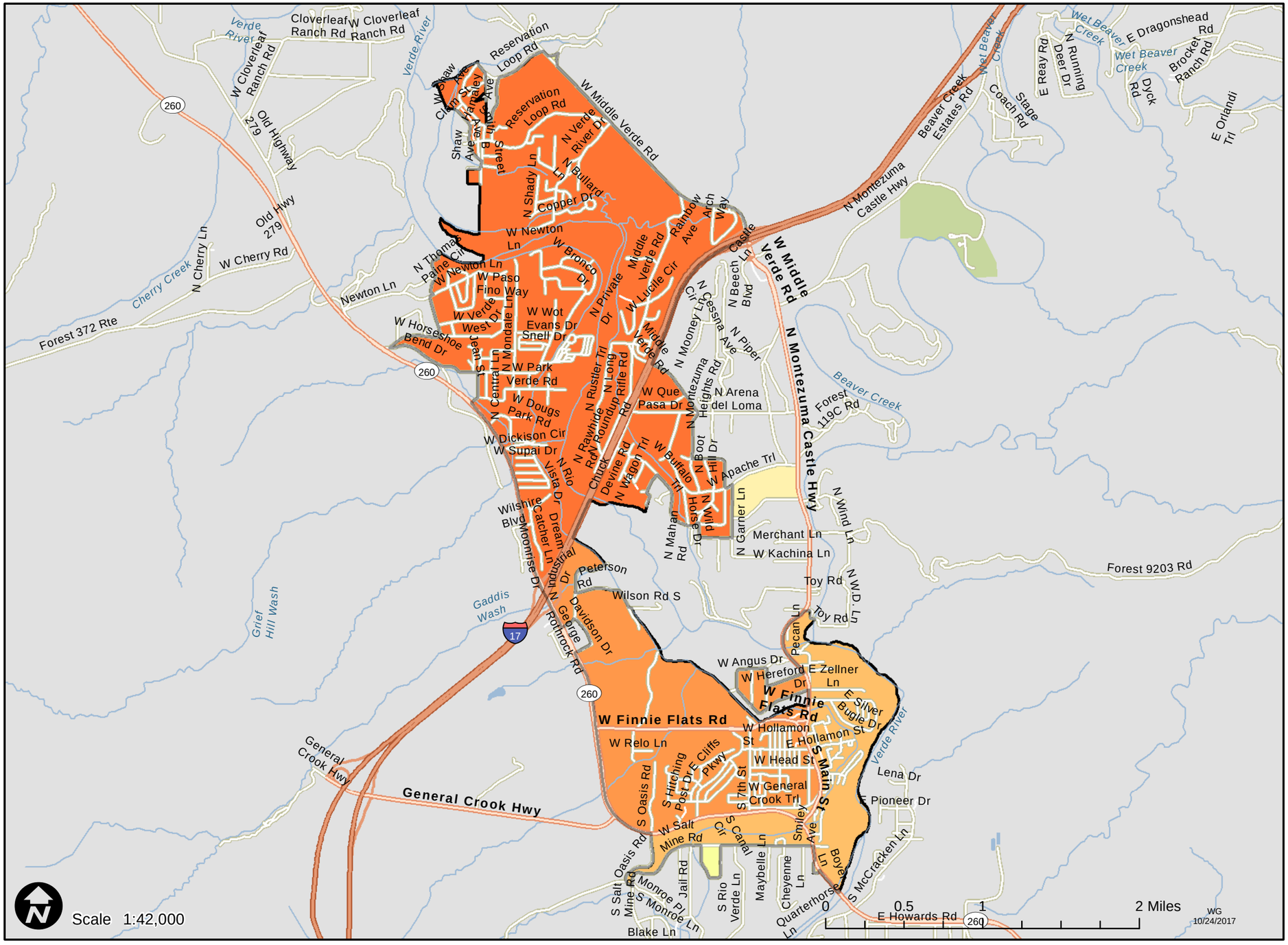
# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Camp Verde - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.663 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 7 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 12.00% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.005 |
| Average Low Income Index: | 0.460 |
| Average Traffic Proximity Index: | 0.002 |
| Average Air Quality Index: | 0.570 |
| Average Heat and Developed Imperviousness Index: | 0.079 |

Analysis Area: Census Urbanized Area 2010

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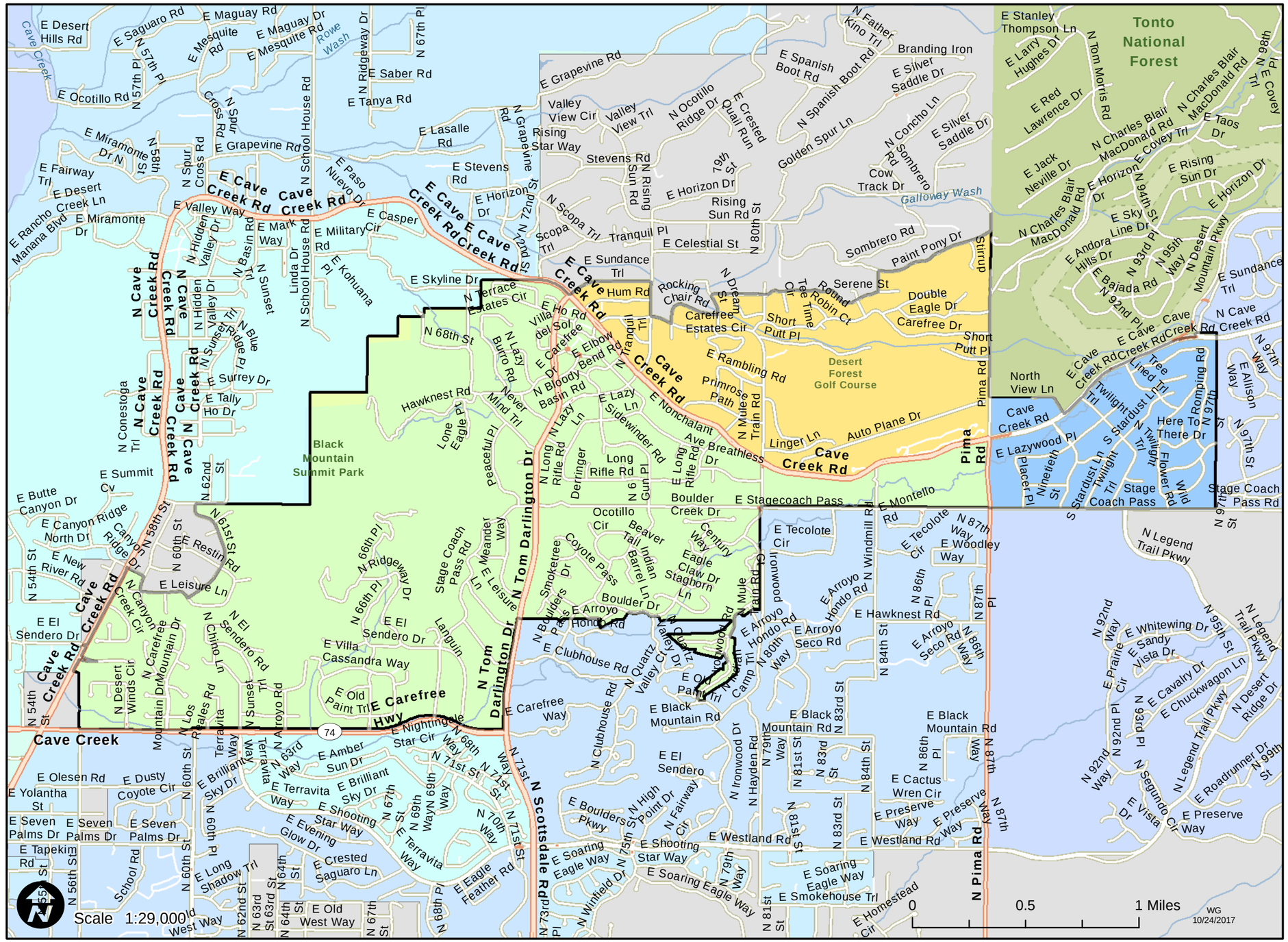
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Carefree - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.507 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 11 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 6.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.007 |
| Average Low Income Index: | 0.162 |
| Average Traffic Proximity Index: | 0.000 |
| Average Air Quality Index: | 0.811 |
| Average Heat and Developed Imperviousness Index: | 0.185 |

Analysis Area: ASLD Incorporated Areas 2013

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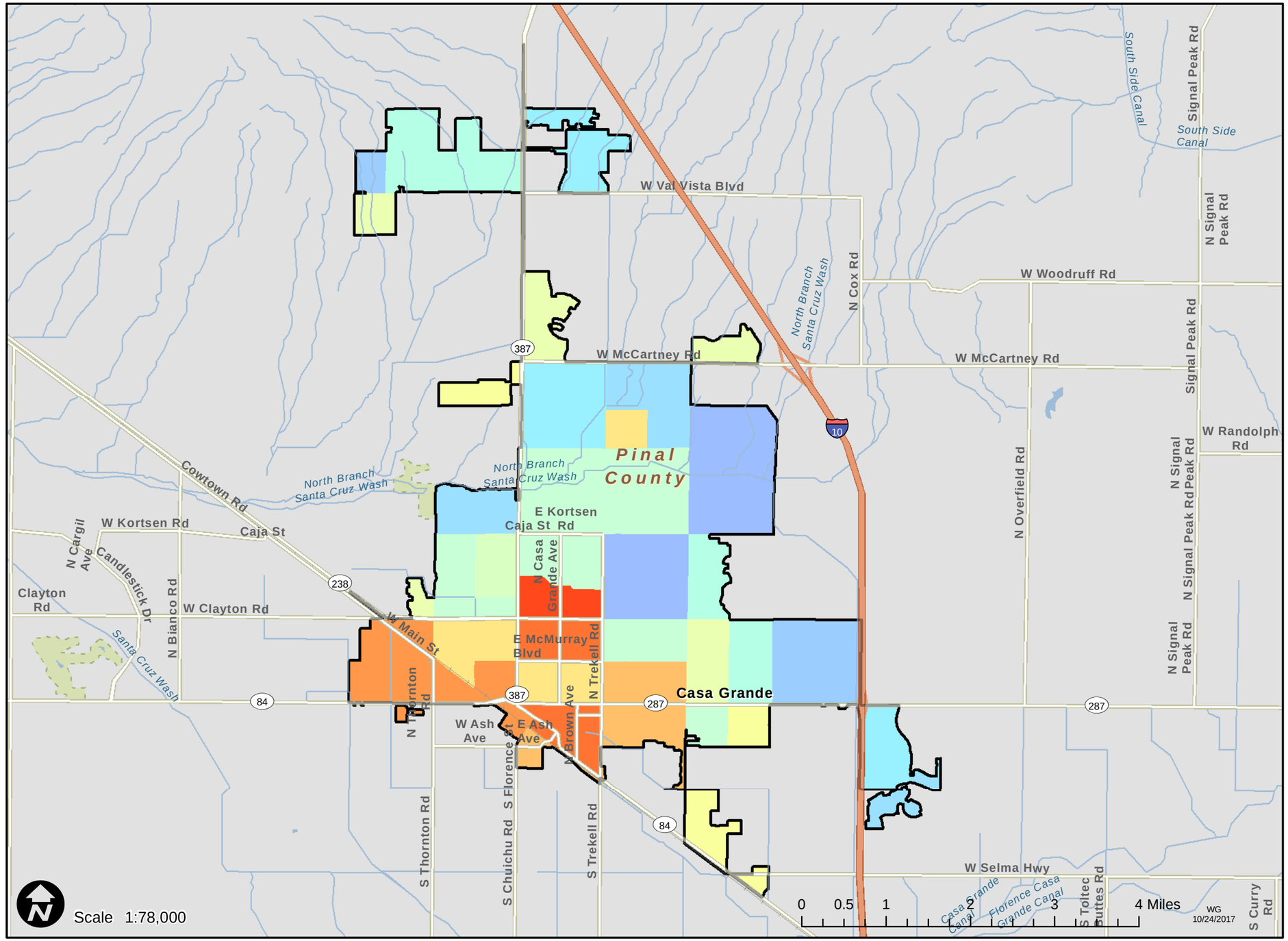
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Casa Grande - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.548 |
| Population Size Class: | 50,001 to 100,000 |
| Priority Ranking within Population Size Class: | Number 3 out of 7 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 5.76% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.043 |
| Average Low Income Index: | 0.415 |
| Average Traffic Proximity Index: | 0.002 |
| Average Air Quality Index: | 0.568 |
| Average Heat and Developed Imperviousness Index: | 0.303 |

Analysis Area: Census Urbanized Area 2010

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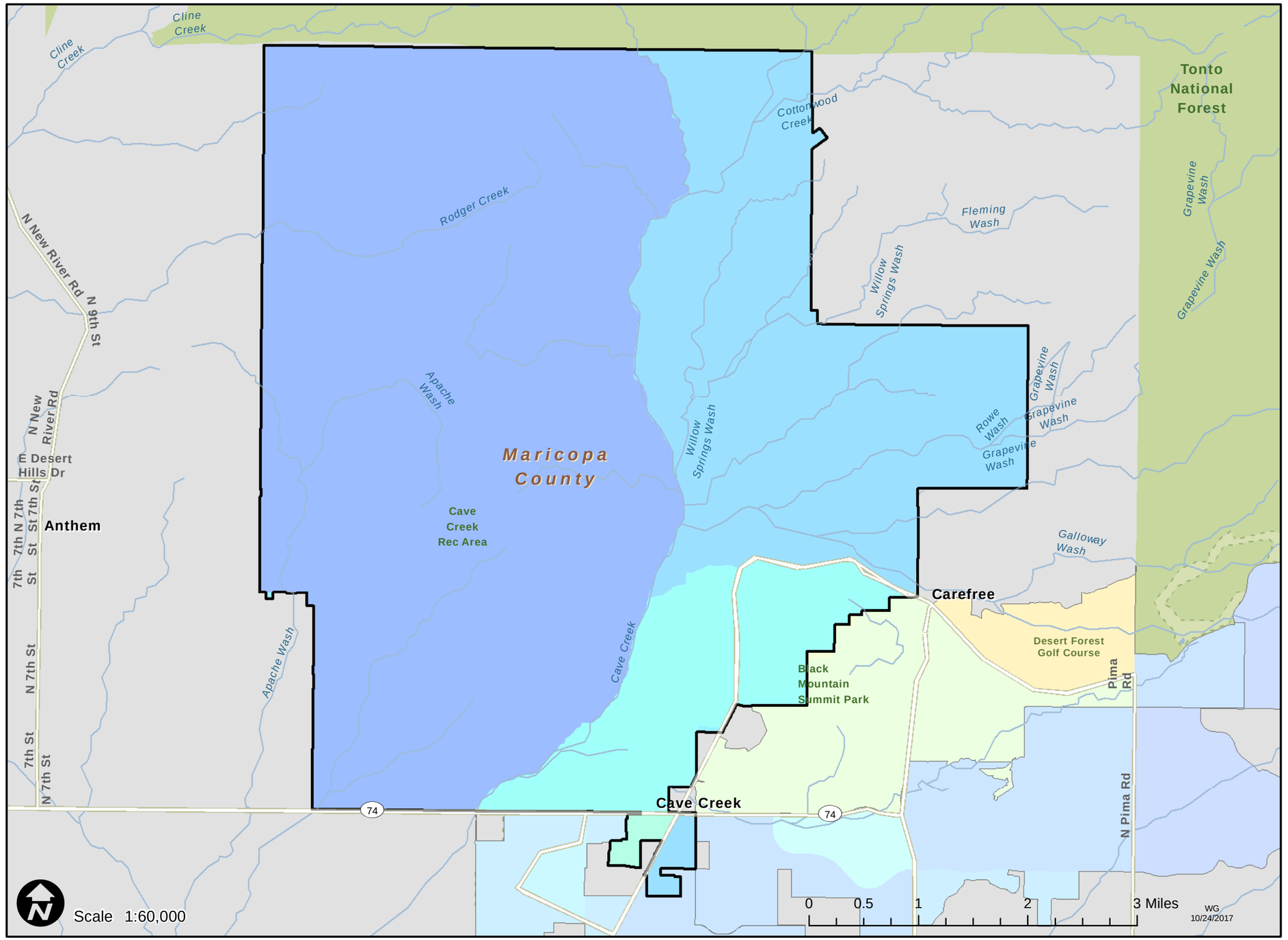
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Cave Creek - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.434 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 11 out of 16 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 4.80% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.010 |
| Average Low Income Index: | 0.158 |
| Average Traffic Proximity Index: | 0.006 |
| Average Air Quality Index: | 0.857 |
| Average Heat and Developed Imperviousness Index: | 0.154 |

Analysis Area: ASLD Incorporated Areas 2013

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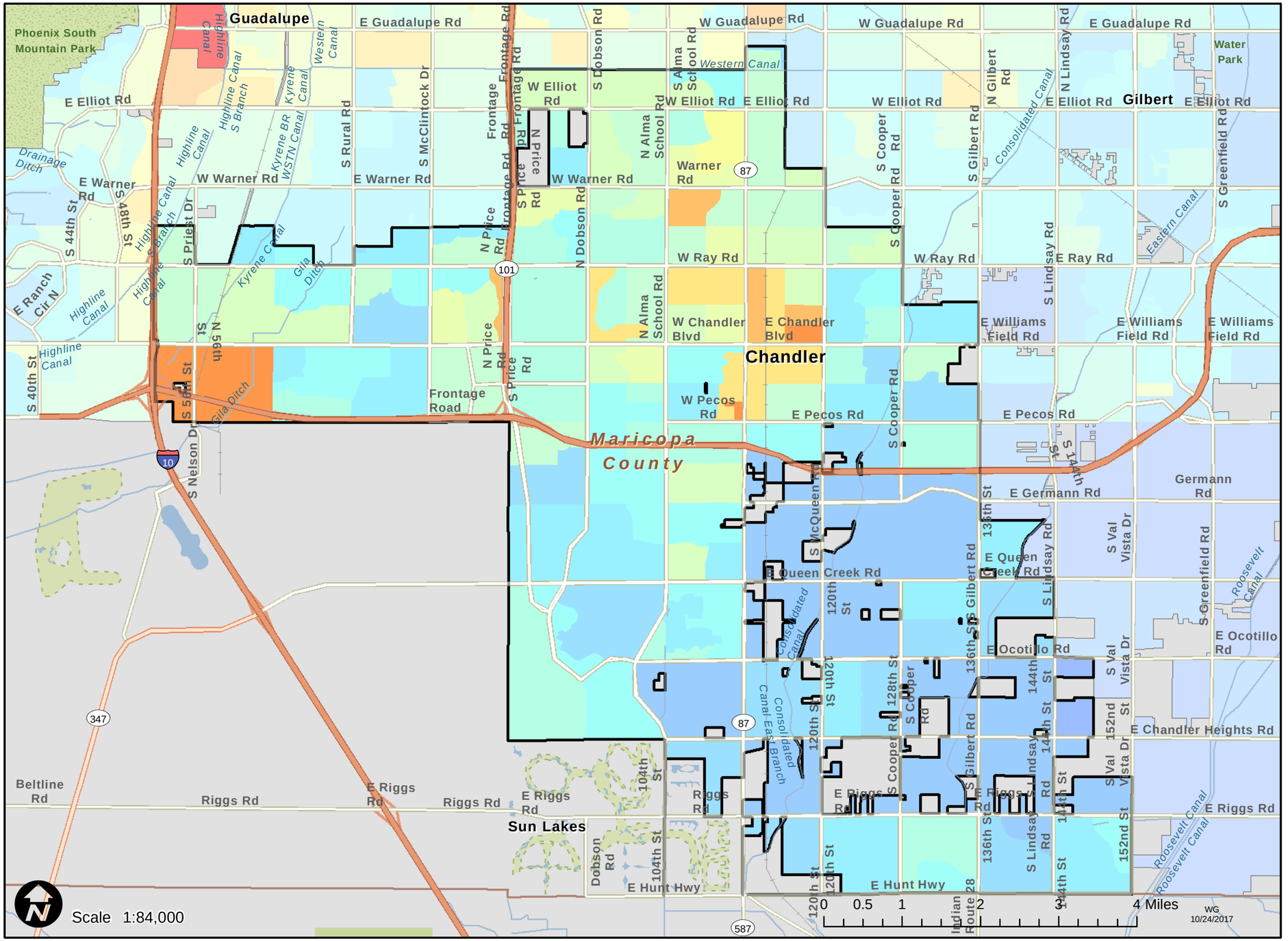
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Chandler - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.498 |
| Population Size Class: | 100,001 and higher |
| Priority Ranking within Population Size Class: | Number 6 out of 10 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 7.50% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.093 |
| Average Low Income Index: | 0.226 |
| Average Traffic Proximity Index: | 0.014 |
| Average Air Quality Index: | 0.804 |
| Average Heat and Developed Imperviousness Index: | 0.507 |

Analysis Area: Census Urbanized Area 2010

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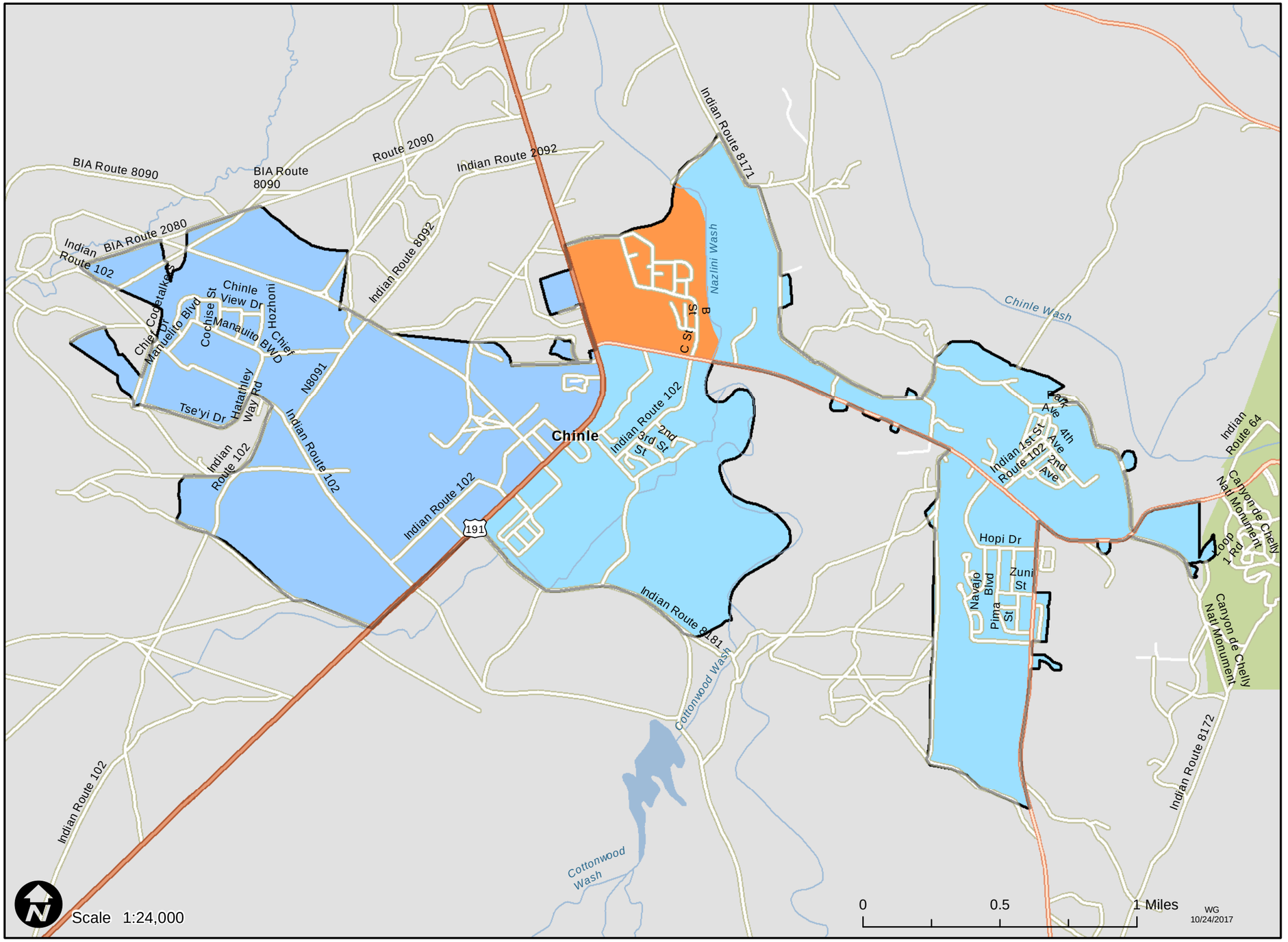
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Chinle - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.473 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 13 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 2.75% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.006 |
| Average Low Income Index: | 0.713 |
| Average Traffic Proximity Index: | 0.001 |
| Average Air Quality Index: | 0.118 |
| Average Heat and Developed Imperviousness Index: | 0.135 |

Analysis Area: Census Urbanized Area 2010

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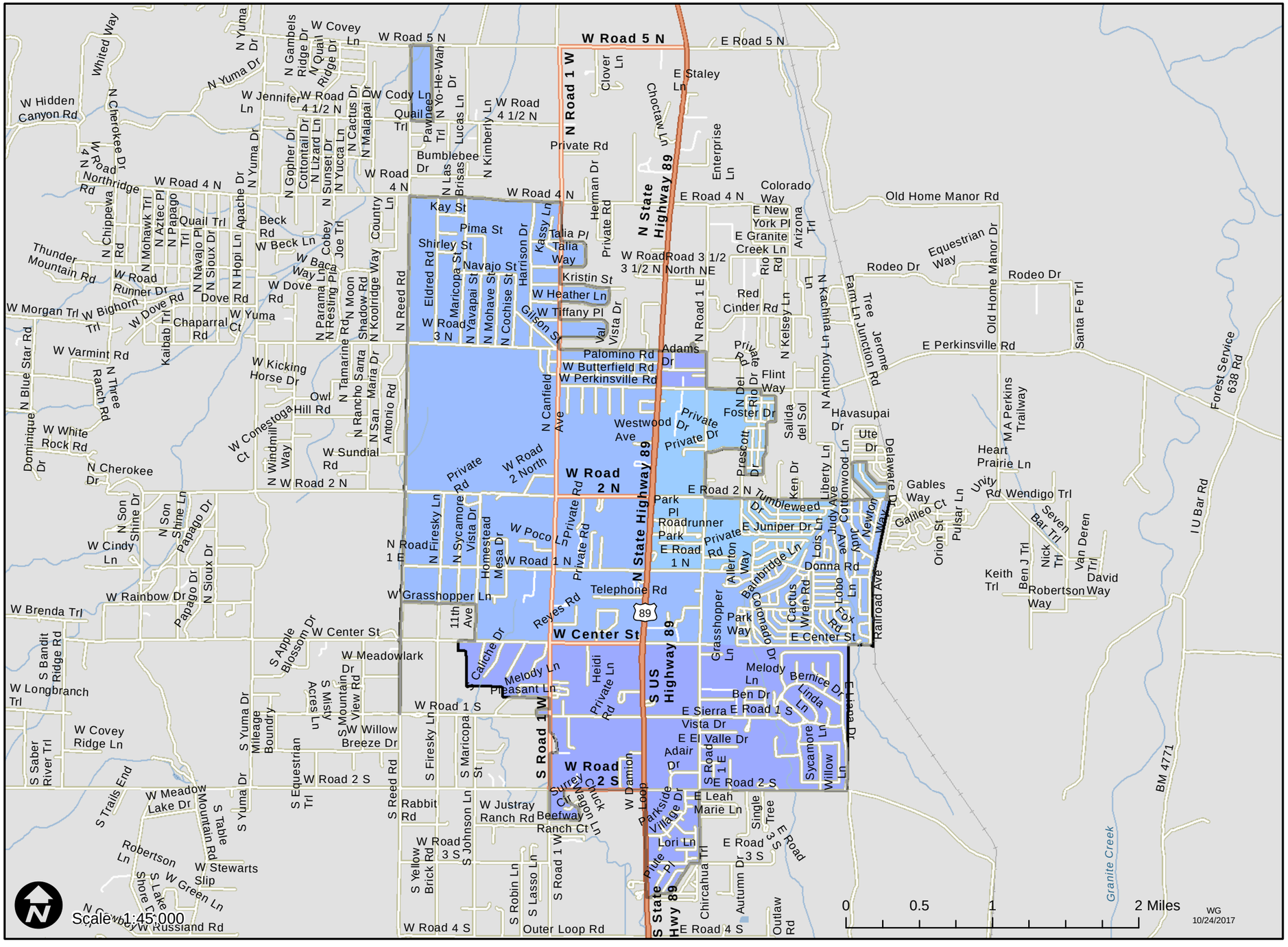
# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Chino Valley - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.313 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 21 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.80% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.009 |
| Average Low Income Index: | 0.390 |
| Average Traffic Proximity Index: | 0.003 |
| Average Air Quality Index: | 0.410 |
| Average Heat and Developed Imperviousness Index: | 0.061 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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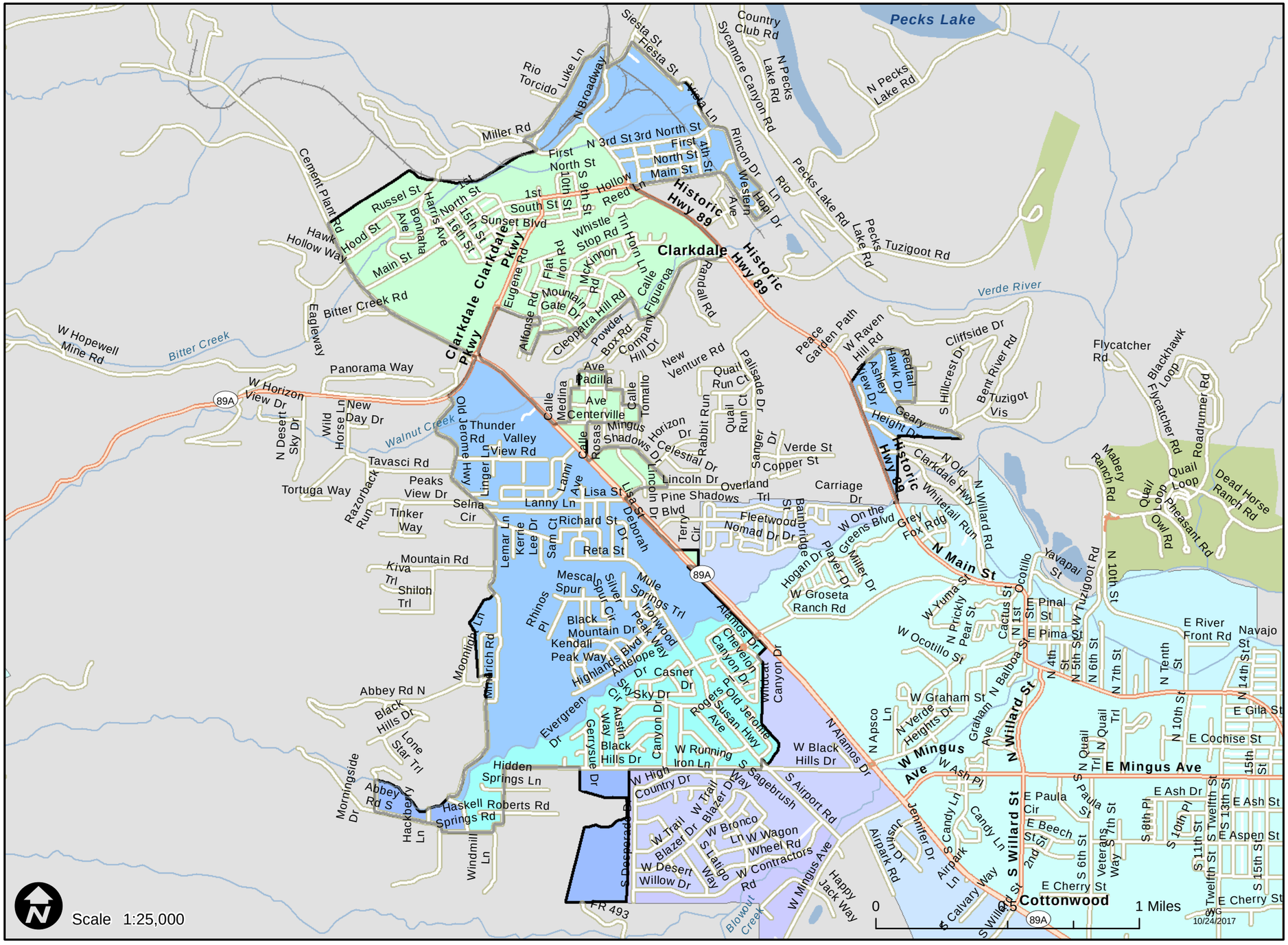
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Clarkdale - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.517 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 9 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.80% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.017 |
| Average Low Income Index: | 0.348 |
| Average Traffic Proximity Index: | 0.000 |
| Average Air Quality Index: | 0.550 |
| Average Heat and Developed Imperviousness Index: | 0.182 |

Analysis Area: ASLD Incorporated Areas 2013

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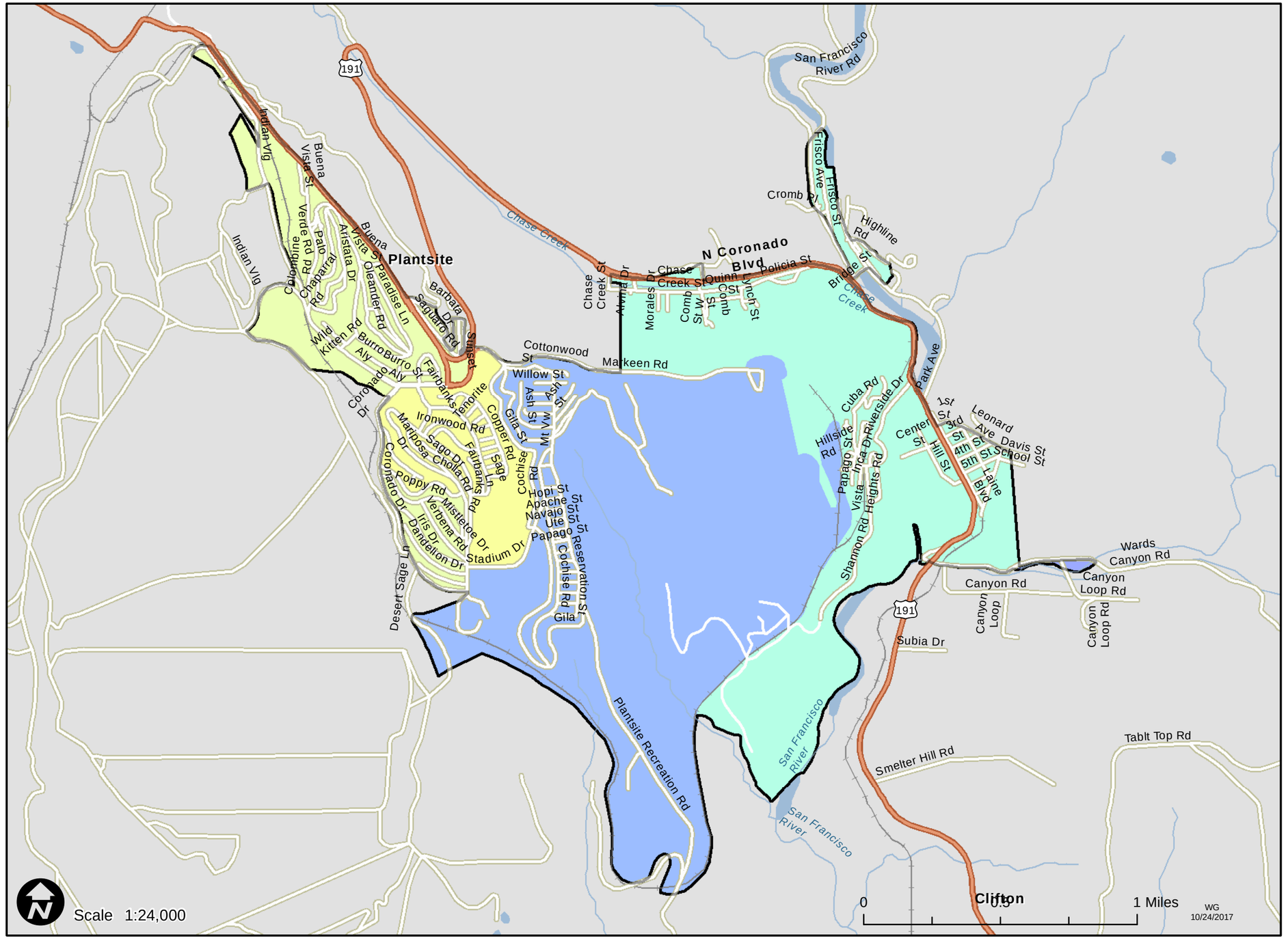
# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Clifton - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.448 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 18 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.24% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.023 |
| Average Low Income Index: | 0.333 |
| Average Traffic Proximity Index: | 0.000 |
| Average Air Quality Index: | 0.305 |
| Average Heat and Developed Imperviousness Index: | 0.279 |

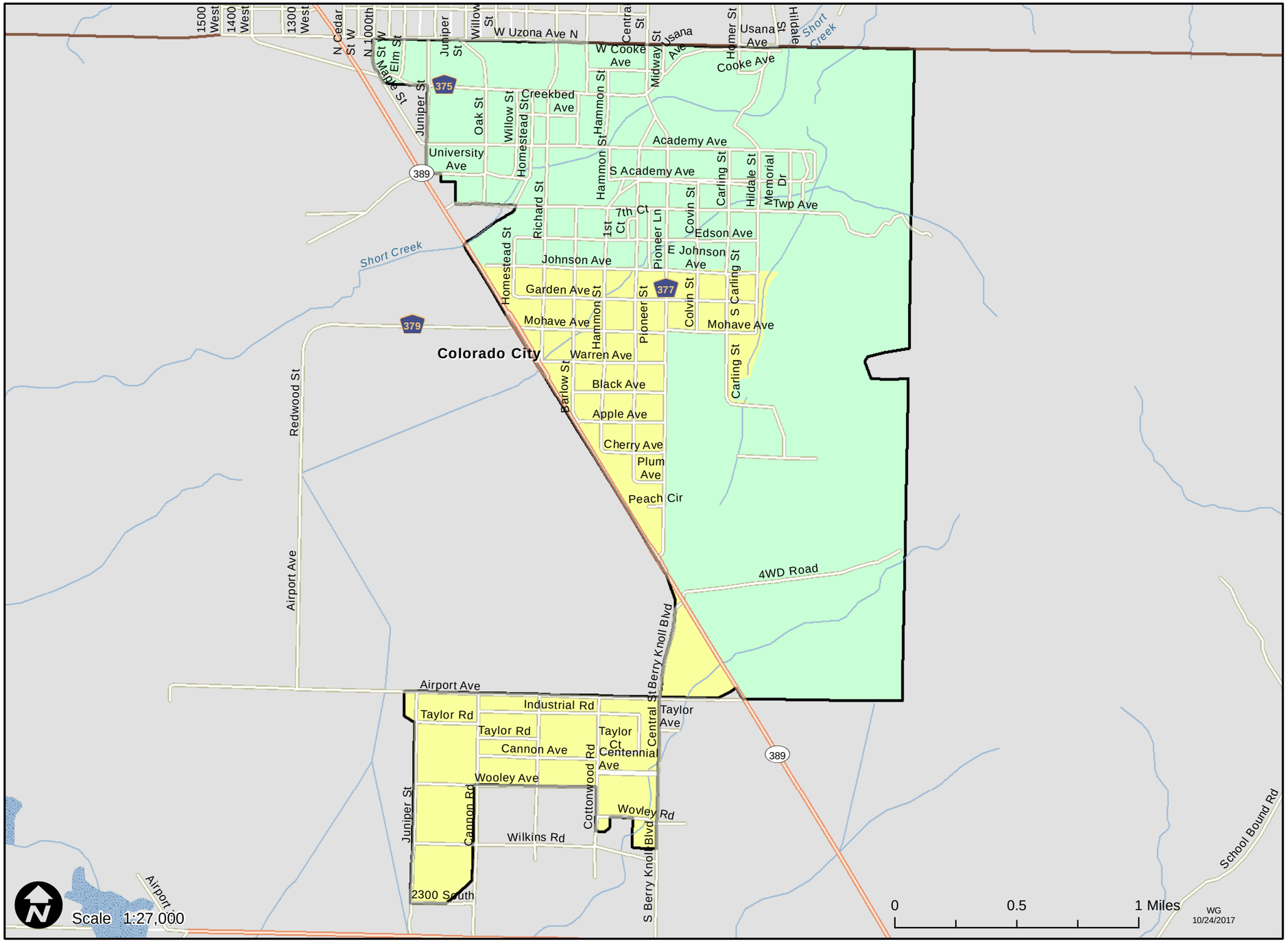
Analysis Area: Census Urbanized Area 2010

**The Department makes no warranties, expressed or implied, with respect to the information shown on this map.**
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Colorado City - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.552 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 6 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 4.25% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.006 |
| Average Low Income Index: | 0.736 |
| Average Traffic Proximity Index: | 0.000 |
| Average Air Quality Index: | 0.291 |
| Average Heat and Developed Imperviousness Index: | 0.148 |

Analysis Area: Census Urbanized Area 2010

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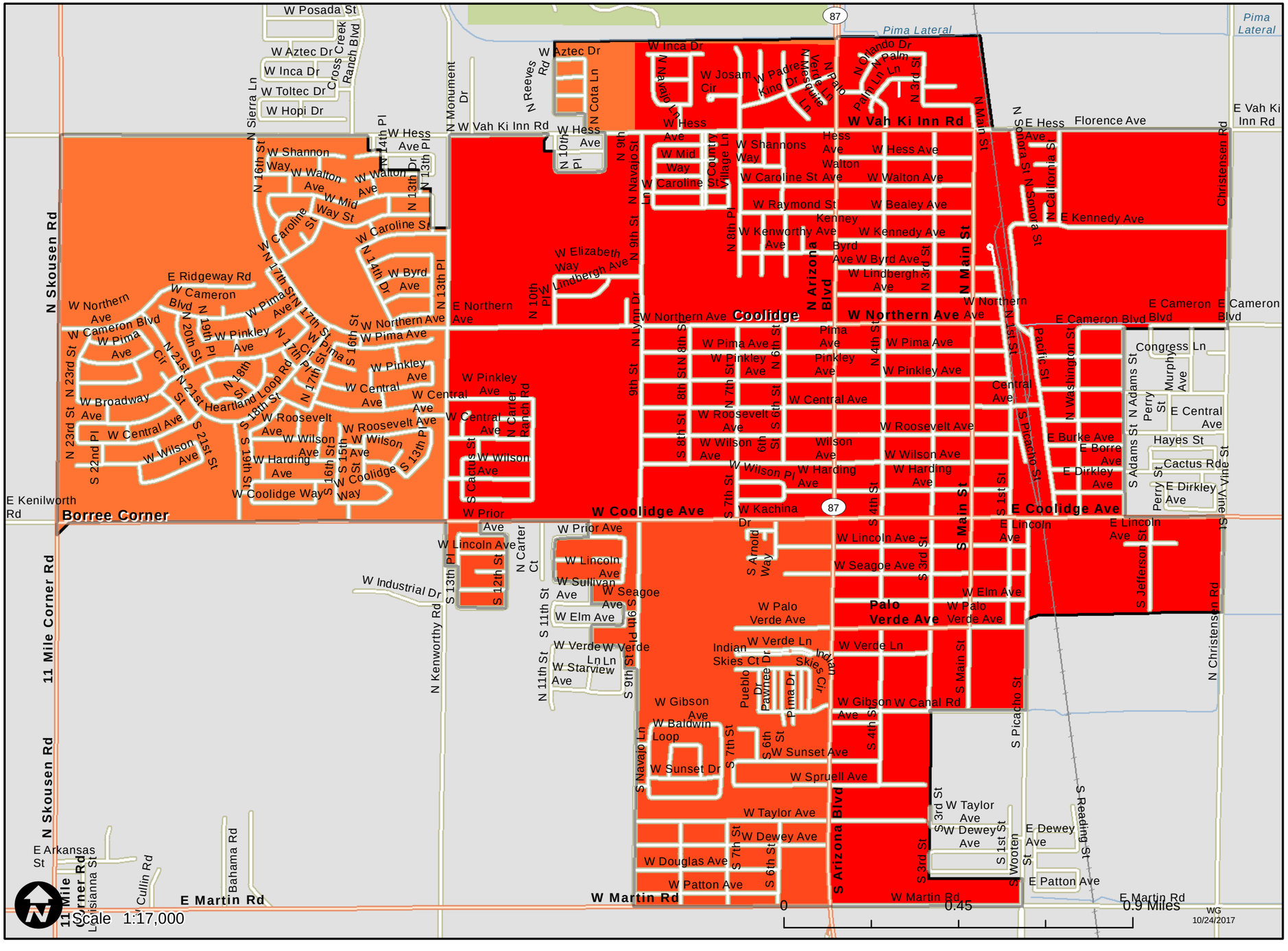
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Coolidge - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.851 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 1 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 4.76% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.036 |
| Average Low Income Index: | 0.549 |
| Average Traffic Proximity Index: | 0.001 |
| Average Air Quality Index: | 0.521 |
| Average Heat and Developed Imperviousness Index: | 0.250 |

Analysis Area: Census Urbanized Area 2010

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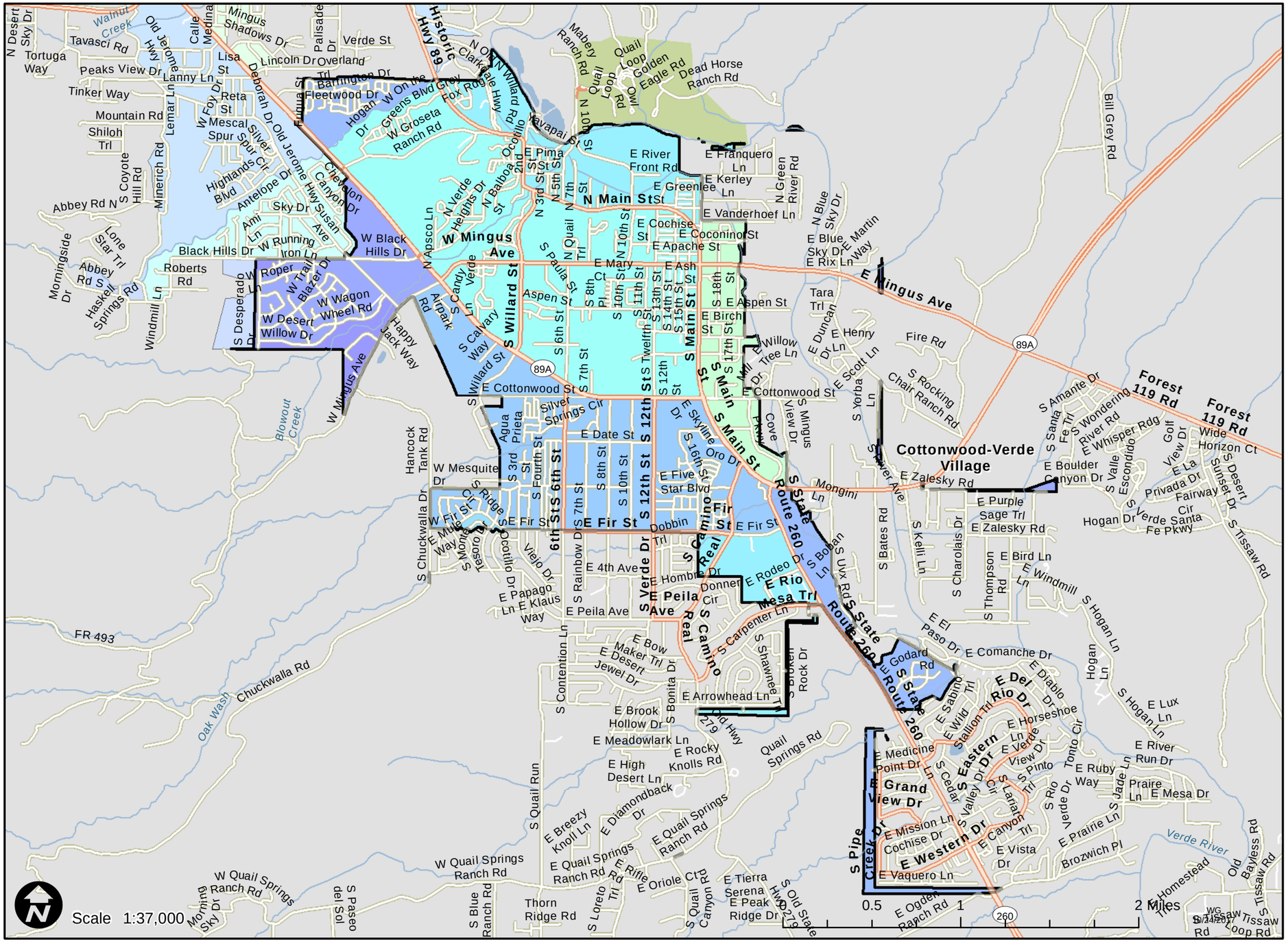
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Cottonwood - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.362 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 19 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 9.80% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.025 |
| Average Low Income Index: | 0.415 |
| Average Traffic Proximity Index: | 0.003 |
| Average Air Quality Index: | 0.566 |
| Average Heat and Developed Imperviousness Index: | 0.227 |

Analysis Area: ASLD Incorporated Areas 2013

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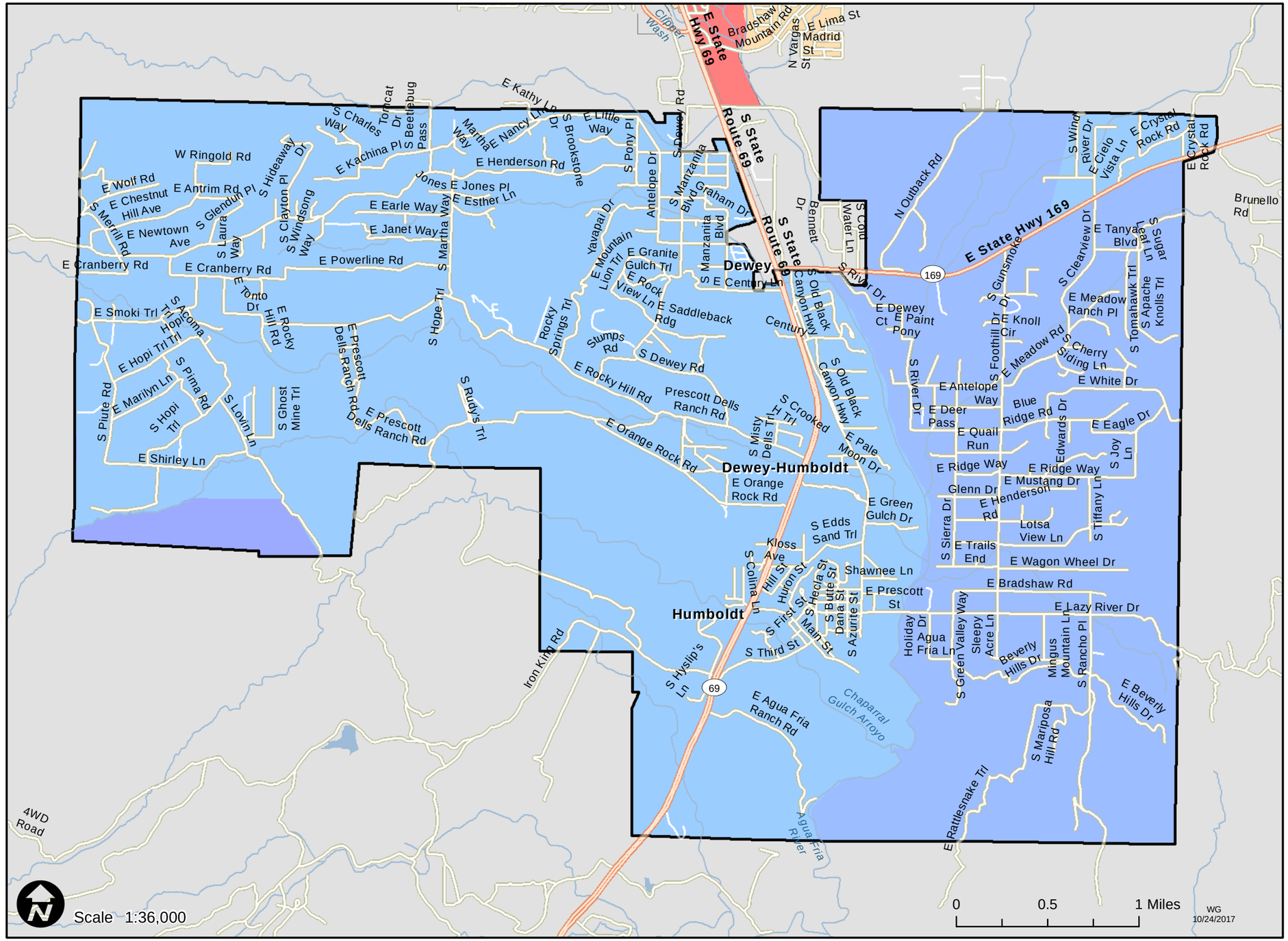
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Dewey Humboldt - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.352 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 23 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 4.80% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.002 |
| Average Low Income Index: | 0.247 |
| Average Traffic Proximity Index: | 0.002 |
| Average Air Quality Index: | 0.516 |
| Average Heat and Developed Imperviousness Index: | 0.044 |

Analysis Area: ASLD Incorporated Areas 2013

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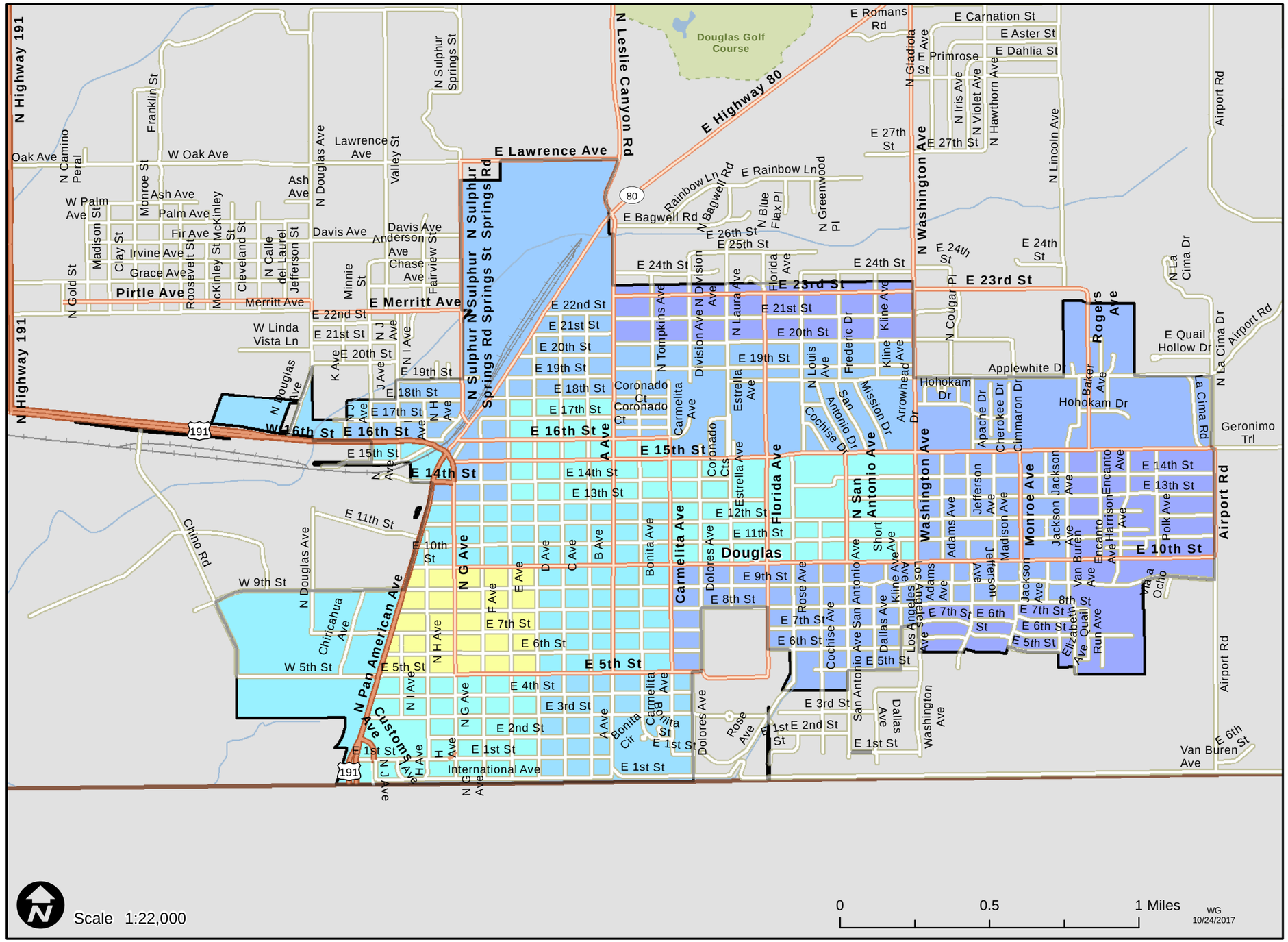
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Douglas - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.415 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 17 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 4.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.038 |
| Average Low Income Index: | 0.649 |
| Average Traffic Proximity Index: | 0.002 |
| Average Air Quality Index: | 0.154 |
| Average Heat and Developed Imperviousness Index: | 0.338 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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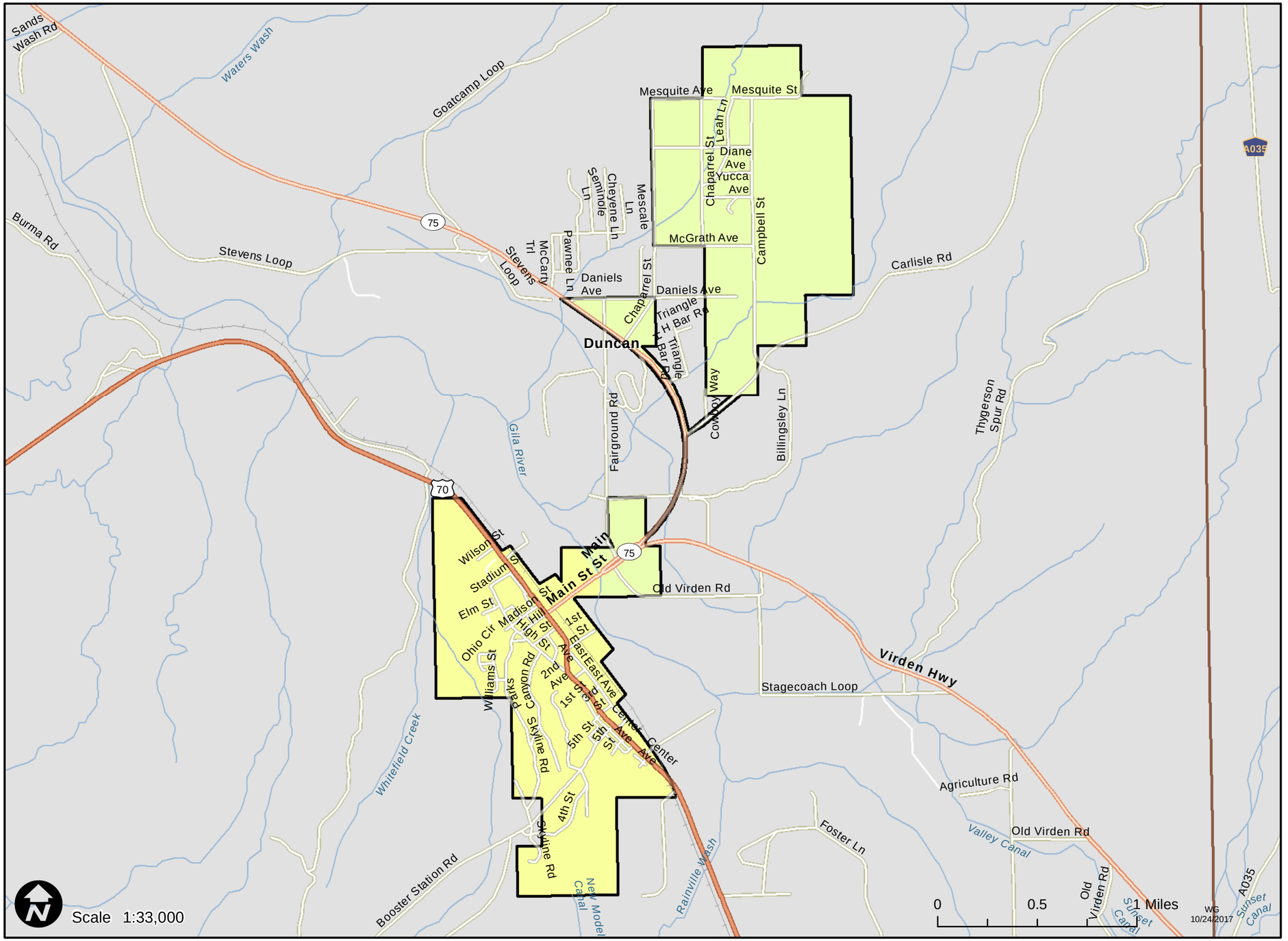
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Duncan - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.591 |
| Population Size Class: | 1 to 1,000 |
| Priority Ranking within Population Size Class: | Number 2 out of 6 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 1.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.001 |
| Average Low Income Index: | 0.530 |
| Average Traffic Proximity Index: | 0.001 |
| Average Air Quality Index: | 0.316 |
| Average Heat and Developed Imperviousness Index: | 0.113 |

Analysis Area: ASLD Incorporated Areas 2013

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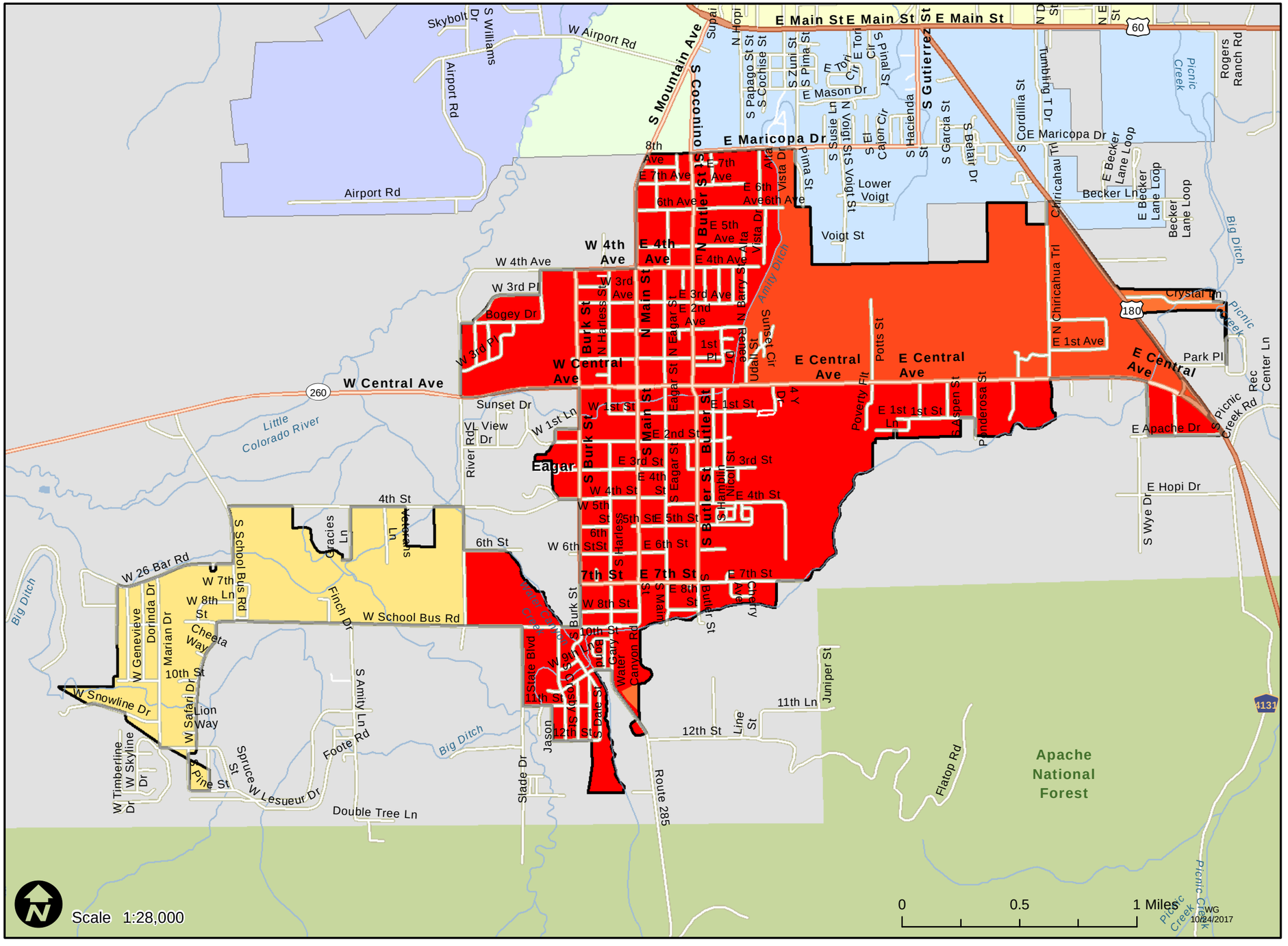
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Eagar - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.808 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 2 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 10.80% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.014 |
| Average Low Income Index: | 0.401 |
| Average Traffic Proximity Index: | 0.001 |
| Average Air Quality Index: | 0.394 |
| Average Heat and Developed Imperviousness Index: | 0.104 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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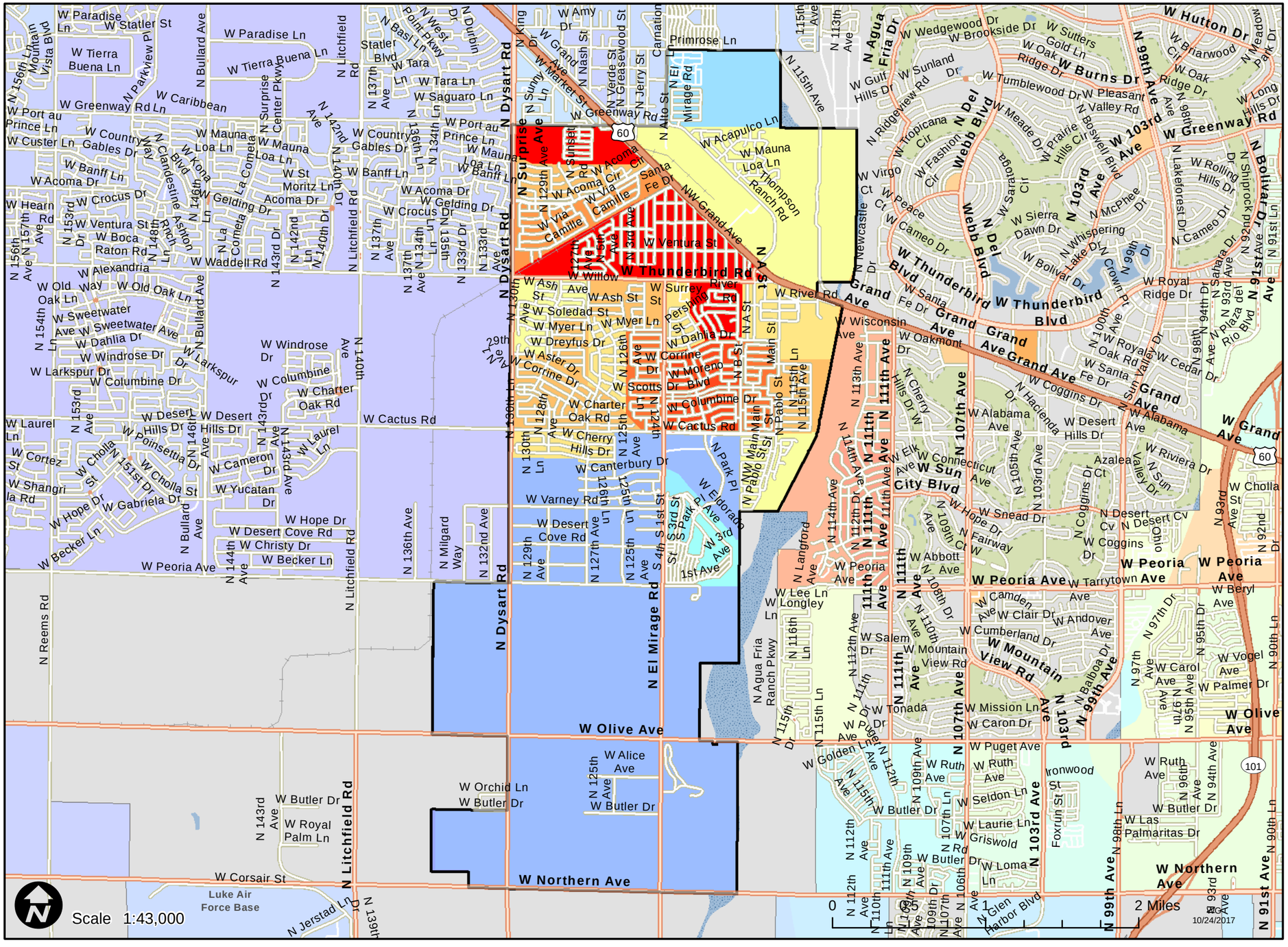
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# El Mirage - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.616 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 8 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.114 |
| Average Low Income Index: | 0.436 |
| Average Traffic Proximity Index: | 0.004 |
| Average Air Quality Index: | 0.687 |
| Average Heat and Developed Imperviousness Index: | 0.437 |

Analysis Area: ASLD Incorporated Areas 2013

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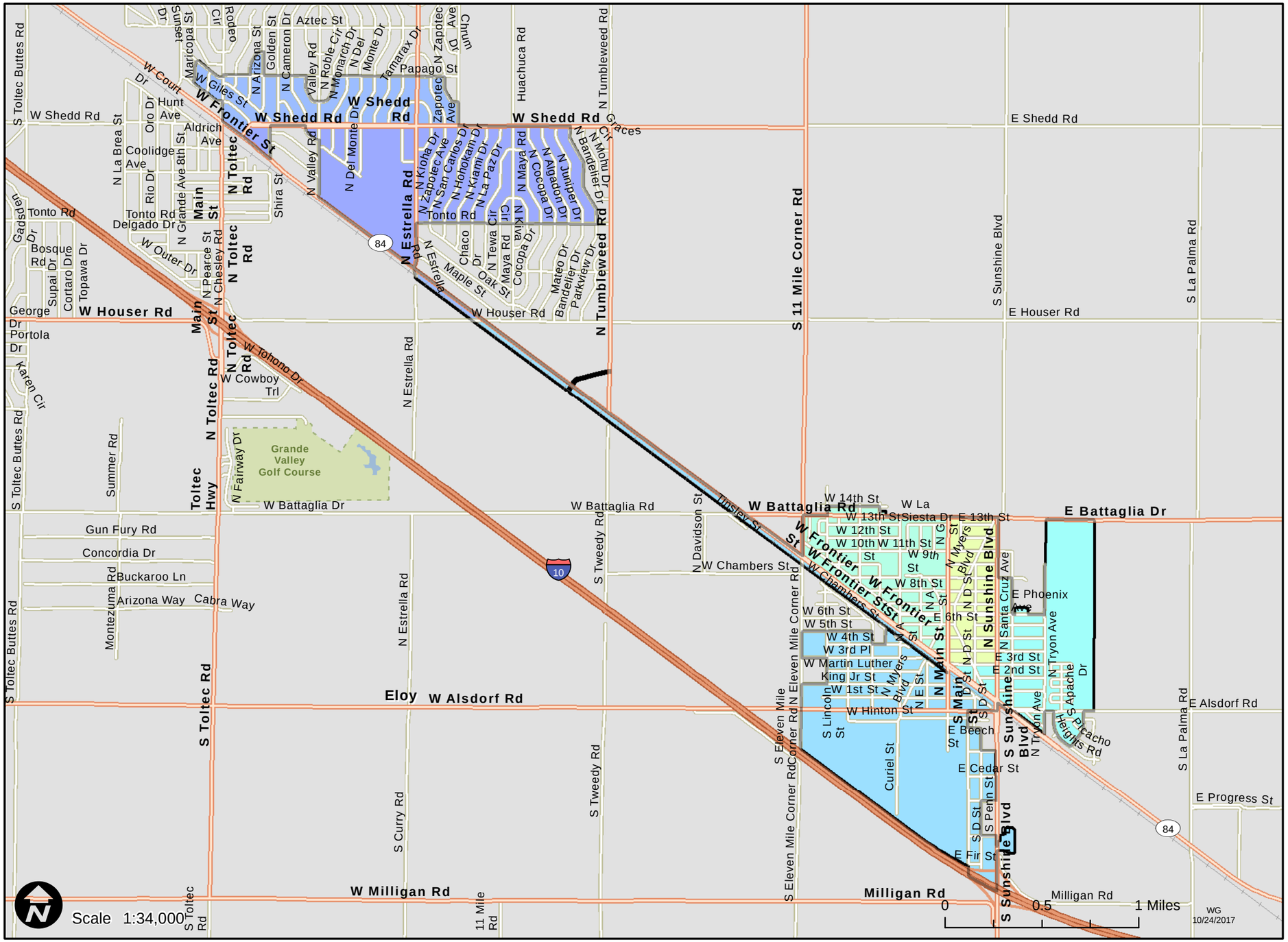
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Eloy - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.431 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 16 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 4.70% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.019 |
| Average Low Income Index: | 0.600 |
| Average Traffic Proximity Index: | 0.002 |
| Average Air Quality Index: | 0.409 |
| Average Heat and Developed Imperviousness Index: | 0.205 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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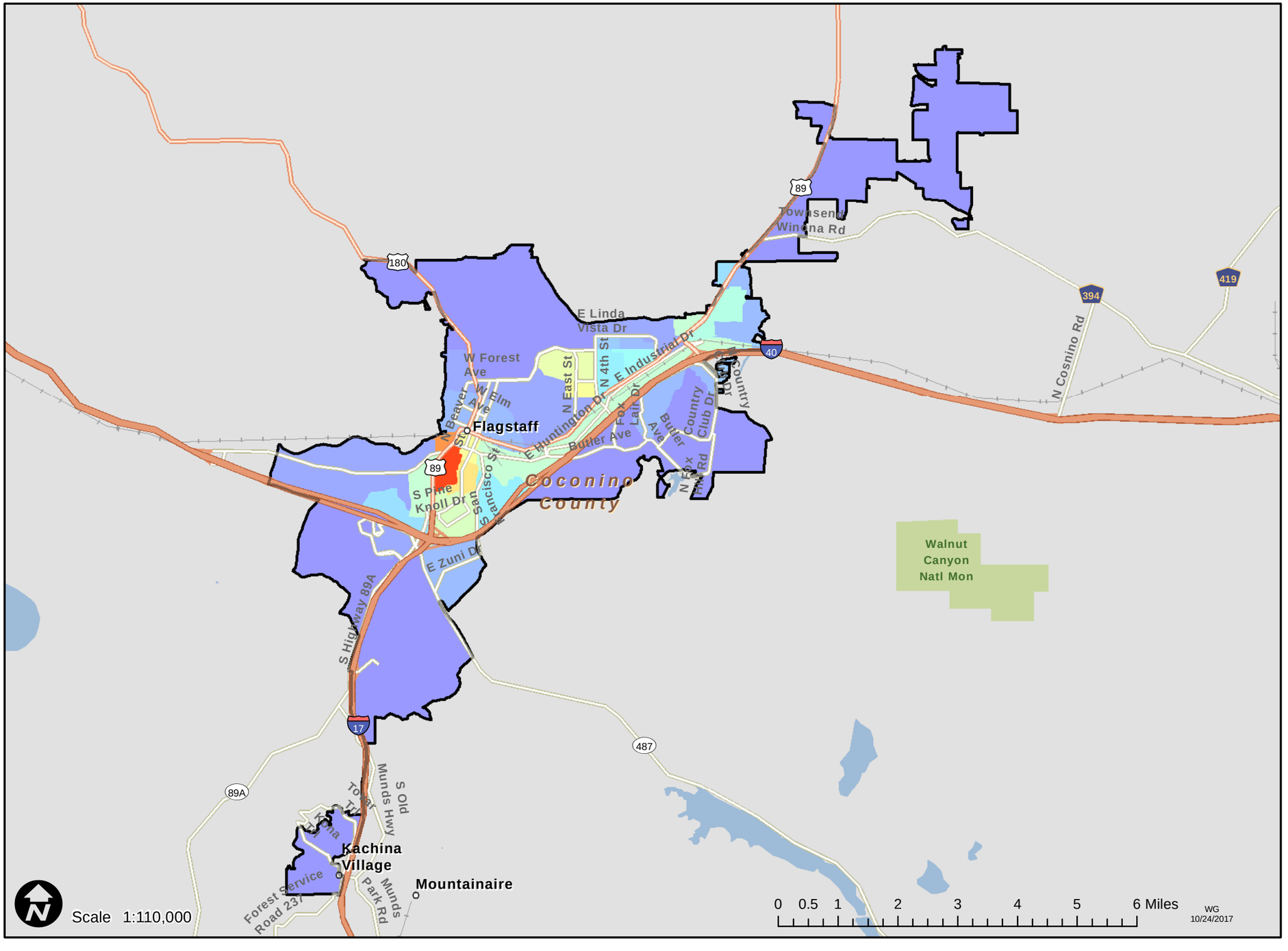
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Flagstaff - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.320 |
| Population Size Class: | 50,001 to 100,000 |
| Priority Ranking within Population Size Class: | Number 6 out of 7 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 18.50% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.066 |
| Average Low Income Index: | 0.387 |
| Average Traffic Proximity Index: | 0.007 |
| Average Air Quality Index: | 0.446 |
| Average Heat and Developed Imperviousness Index: | 0.310 |
| Analysis Area: Census Urbanized Area 2010 | |

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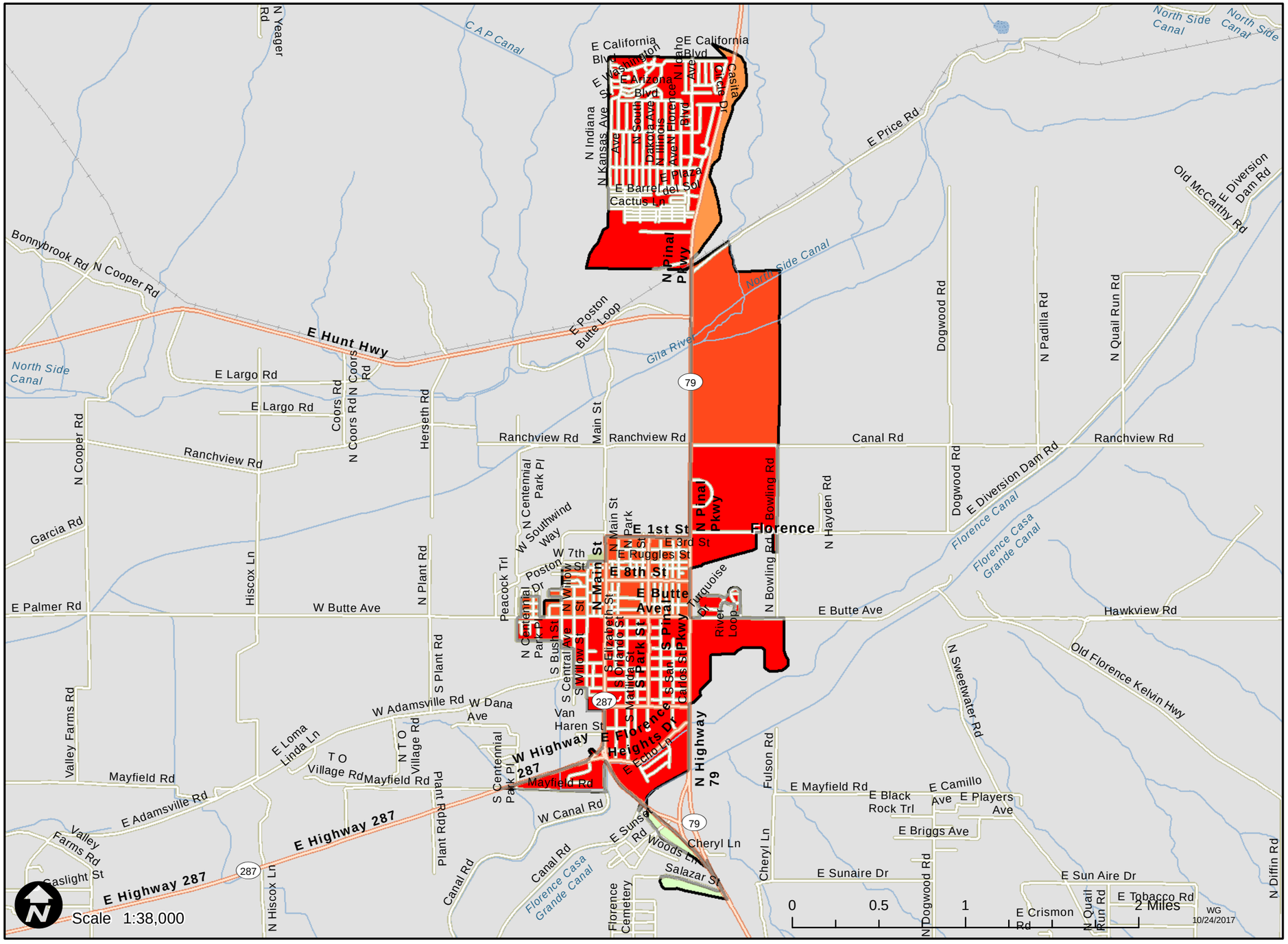
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Florence - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.750 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 5 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 4.00% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.042 |
| Average Low Income Index: | 0.294 |
| Average Traffic Proximity Index: | 0.001 |
| Average Air Quality Index: | 0.432 |
| Average Heat and Developed Imperviousness Index: | 0.269 |

Analysis Area: Census Urbanized Area 2010

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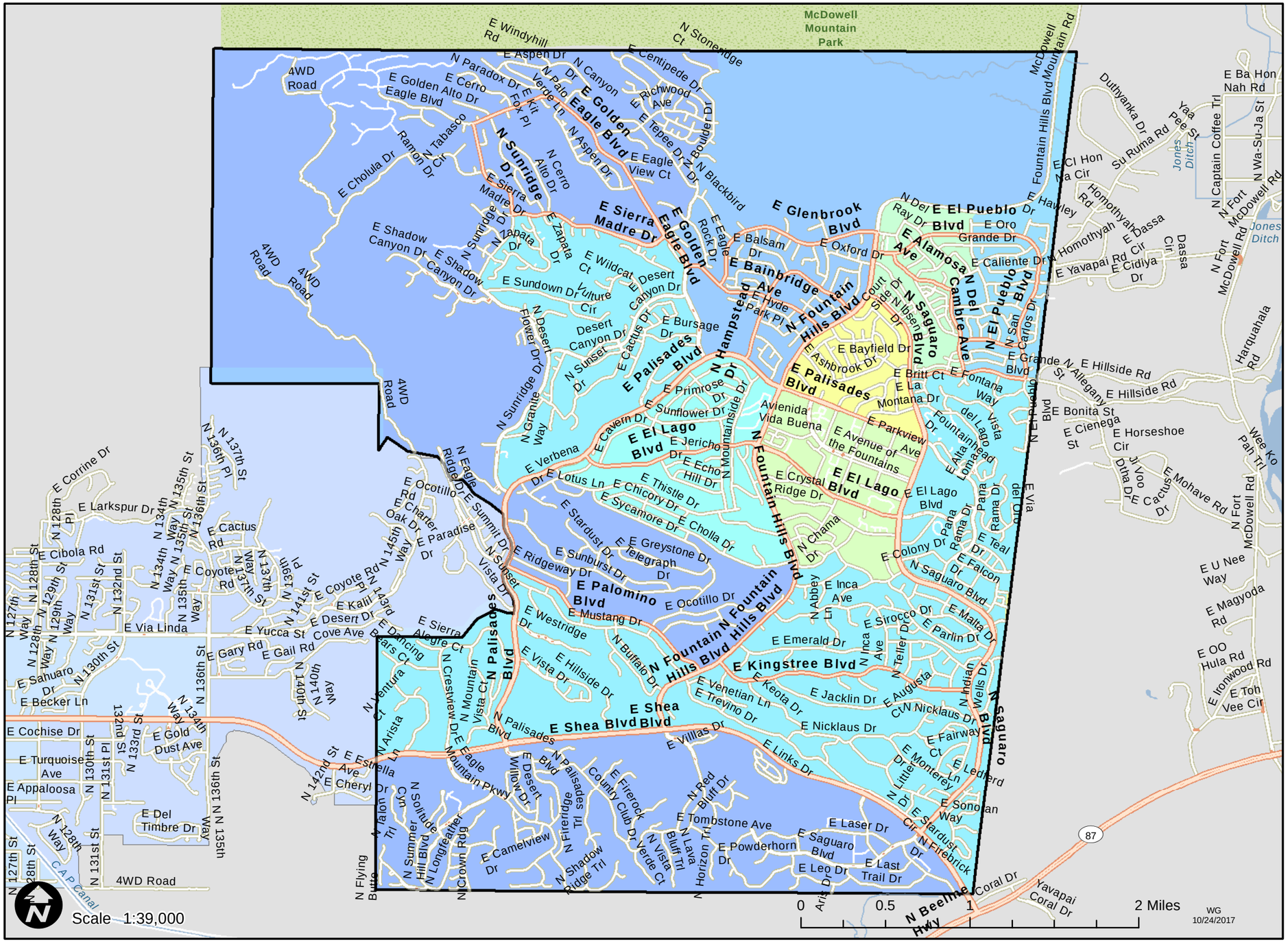
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Fountain Hills - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.463 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 15 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.028 |
| Average Low Income Index: | 0.184 |
| Average Traffic Proximity Index: | 0.002 |
| Average Air Quality Index: | 0.771 |
| Average Heat and Developed Imperviousness Index: | 0.277 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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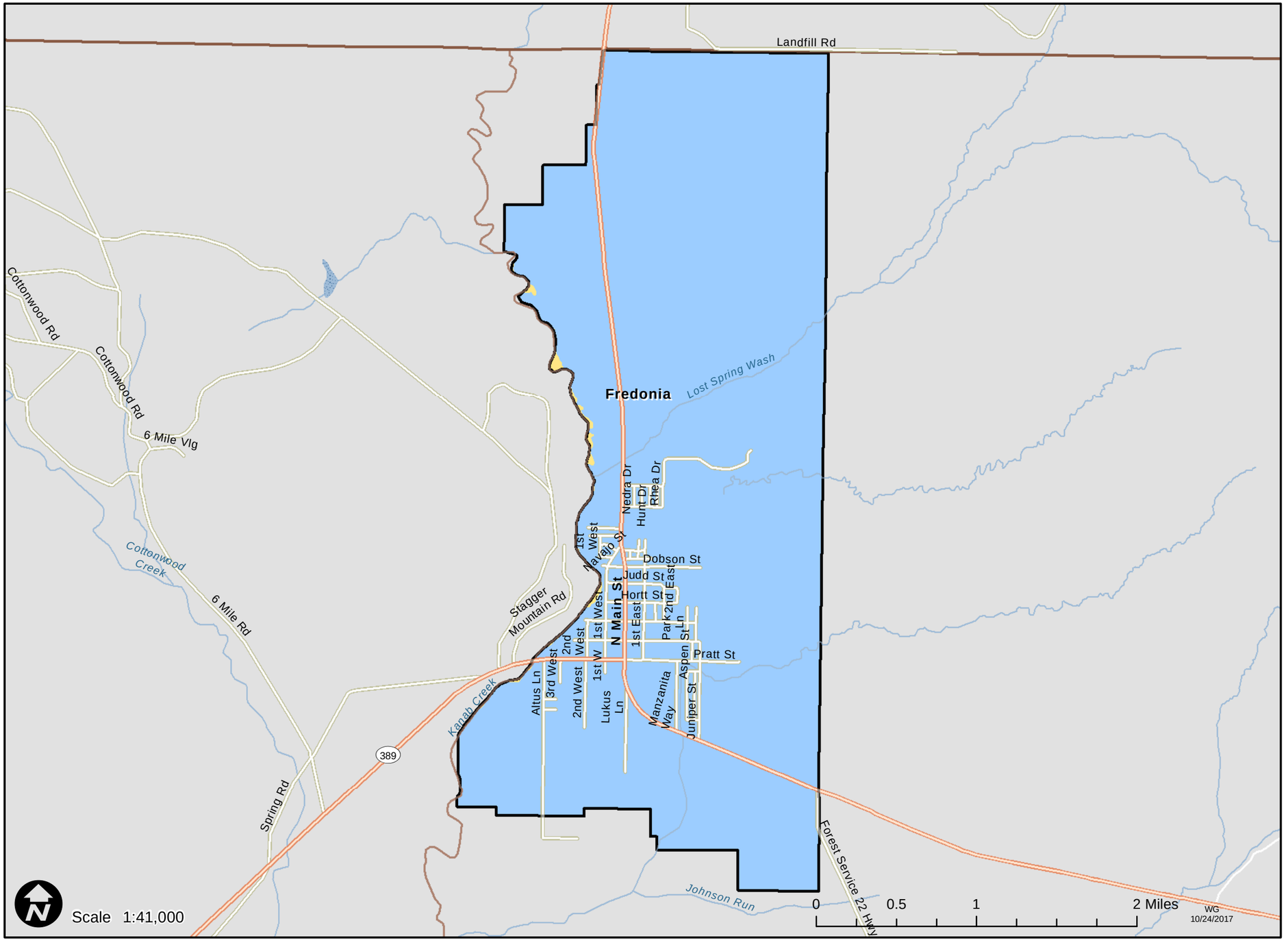
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Fredonia - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.508 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 10 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 2.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.000 |
| Average Low Income Index: | 0.606 |
| Average Traffic Proximity Index: | 0.000 |
| Average Air Quality Index: | 0.293 |
| Average Heat and Developed Imperviousness Index: | 0.114 |

Analysis Area: ASLD Incorporated Areas 2013

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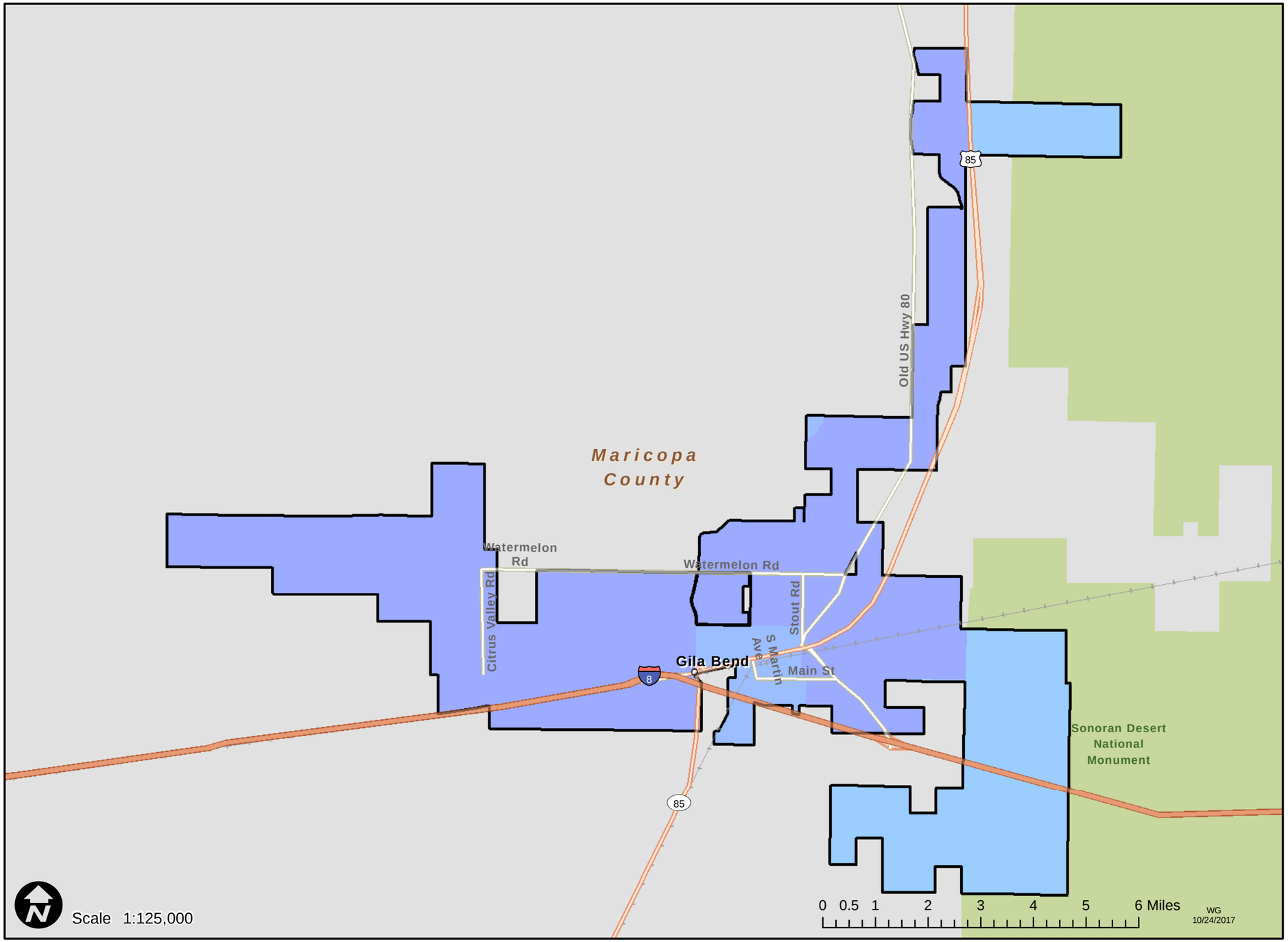
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Gila Bend - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.349 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 24 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 2.50% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.002 |
| Average Low Income Index: | 0.610 |
| Average Traffic Proximity Index: | 0.003 |
| Average Air Quality Index: | 0.069 |
| Average Heat and Developed Imperviousness Index: | 0.037 |
| Analysis Area: | ASLD Incorporated Areas 2013 |

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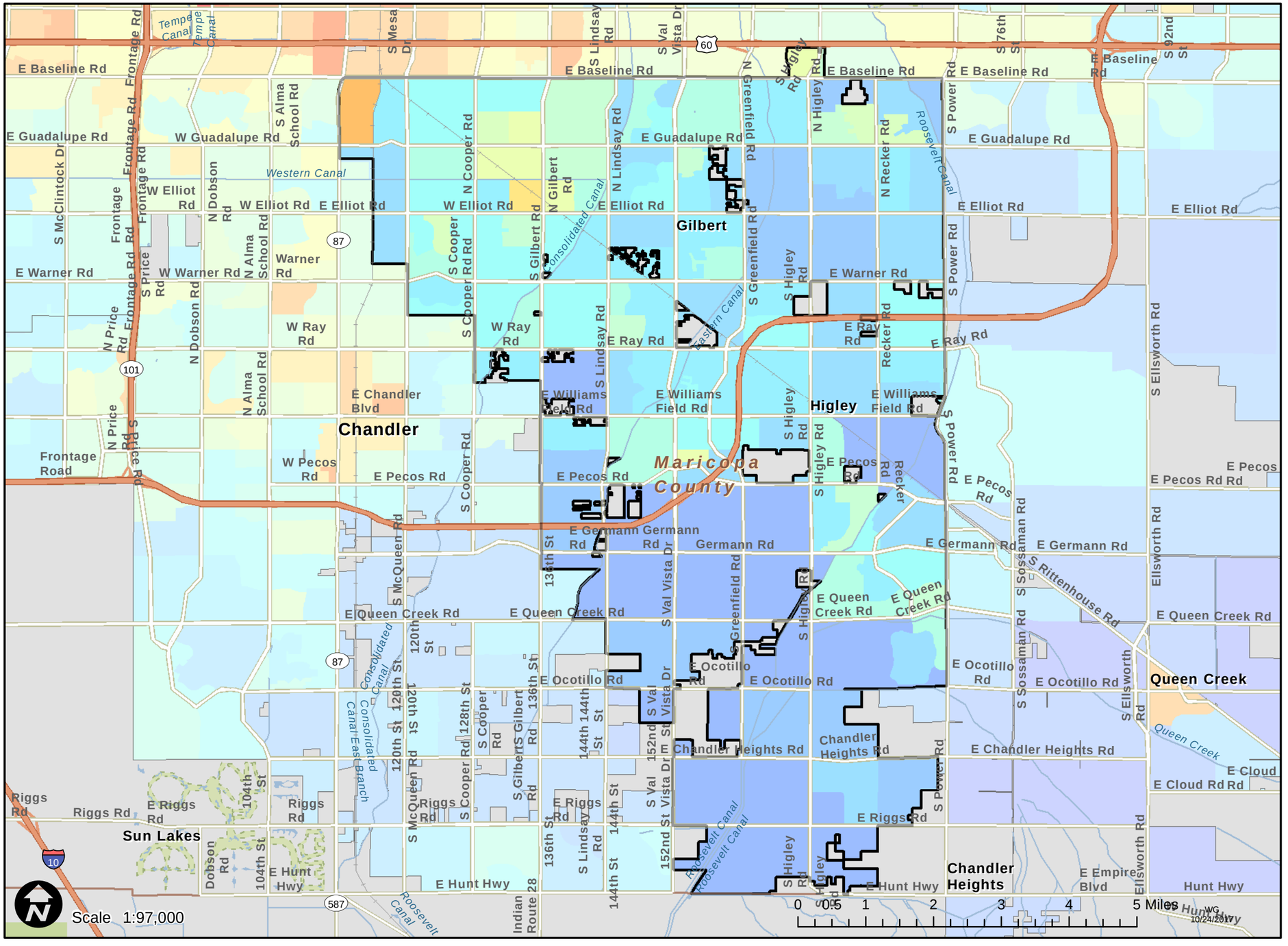
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Gilbert - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.472 |
| Population Size Class: | 100,001 and higher |
| Priority Ranking within Population Size Class: | Number 8 out of 10 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 6.80% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.086 |
| Average Low Income Index: | 0.195 |
| Average Traffic Proximity Index: | 0.007 |
| Average Air Quality Index: | 0.782 |
| Average Heat and Developed Imperviousness Index: | 0.432 |

Analysis Area: ASLD Incorporated Areas 2013

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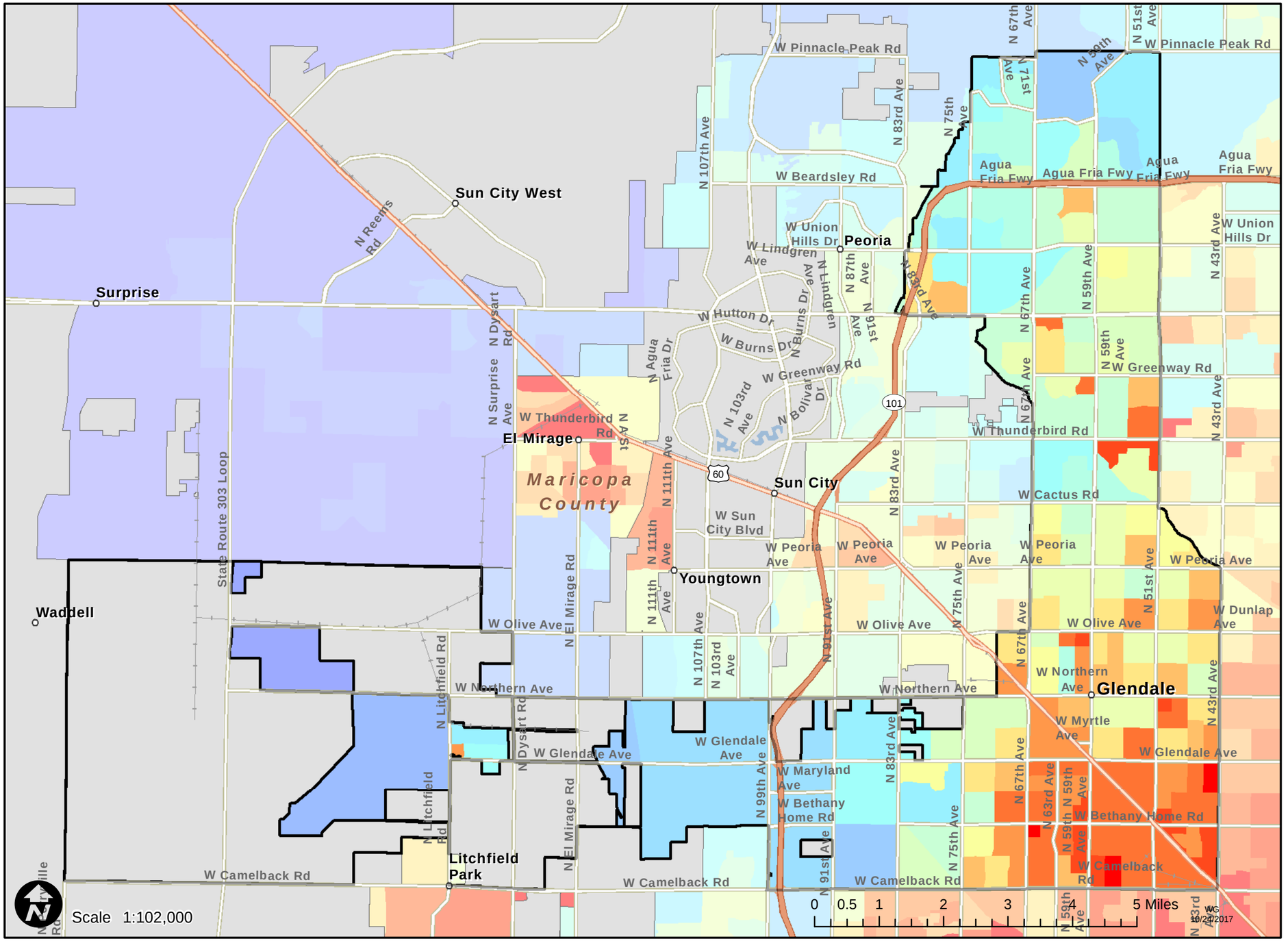
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Glendale - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.585 |
| Population Size Class: | 100,001 and higher |
| Priority Ranking within Population Size Class: | Number 3 out of 10 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 7.00% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.119 |
| Average Low Income Index: | 0.416 |
| Average Traffic Proximity Index: | 0.017 |
| Average Air Quality Index: | 0.852 |
| Average Heat and Developed Imperviousness Index: | 0.587 |

Analysis Area: ASLD Incorporated Areas 2013

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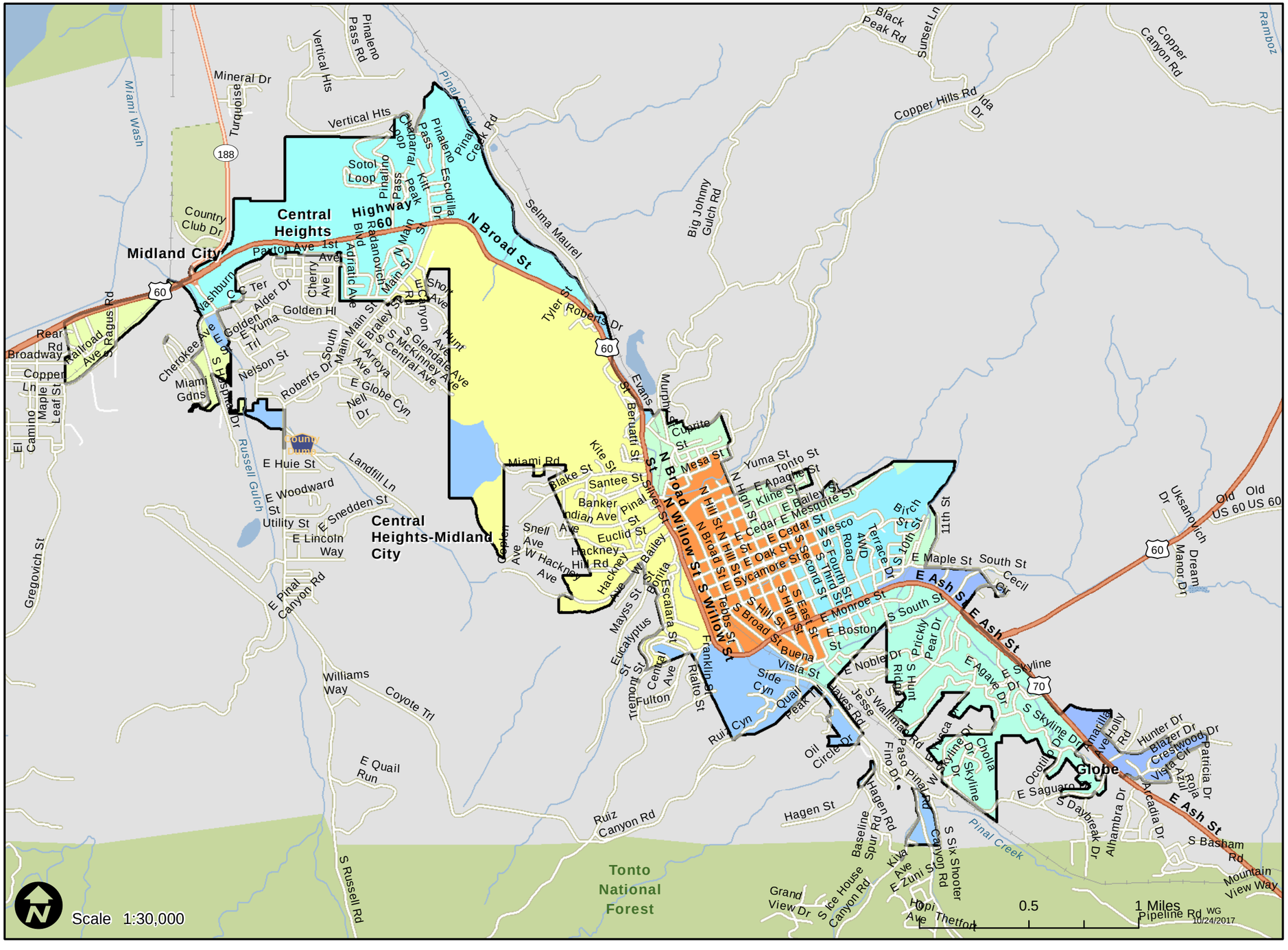
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Globe - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.510 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 9 out of 16 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 4.75% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.023 |
| Average Low Income Index: | 0.442 |
| Average Traffic Proximity Index: | 0.010 |
| Average Air Quality Index: | 0.554 |
| Average Heat and Developed Imperviousness Index: | 0.319 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

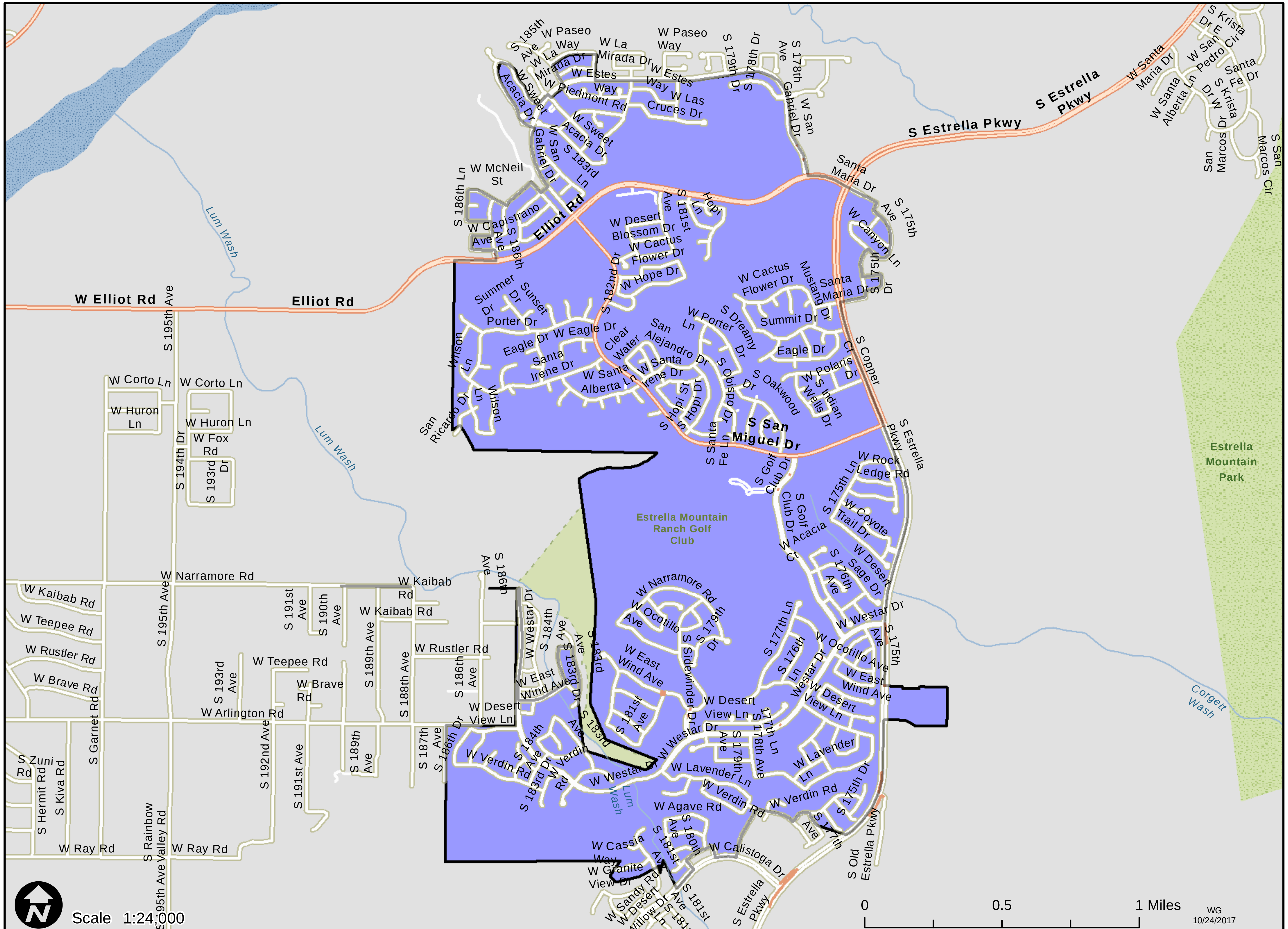
**The Department makes no warranties, expressed or implied, with respect to the information shown on this map.**

Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Goodyear - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.030 |
| Population Size Class: | 50,001 to 100,000 |
| Priority Ranking within Population Size Class: | Number 7 out of 7 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 2.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.014 |
| Average Low Income Index: | 0.190 |
| Average Traffic Proximity Index: | 0.000 |
| Average Air Quality Index: | 0.389 |
| Average Heat and Developed Imperviousness Index: | 0.331 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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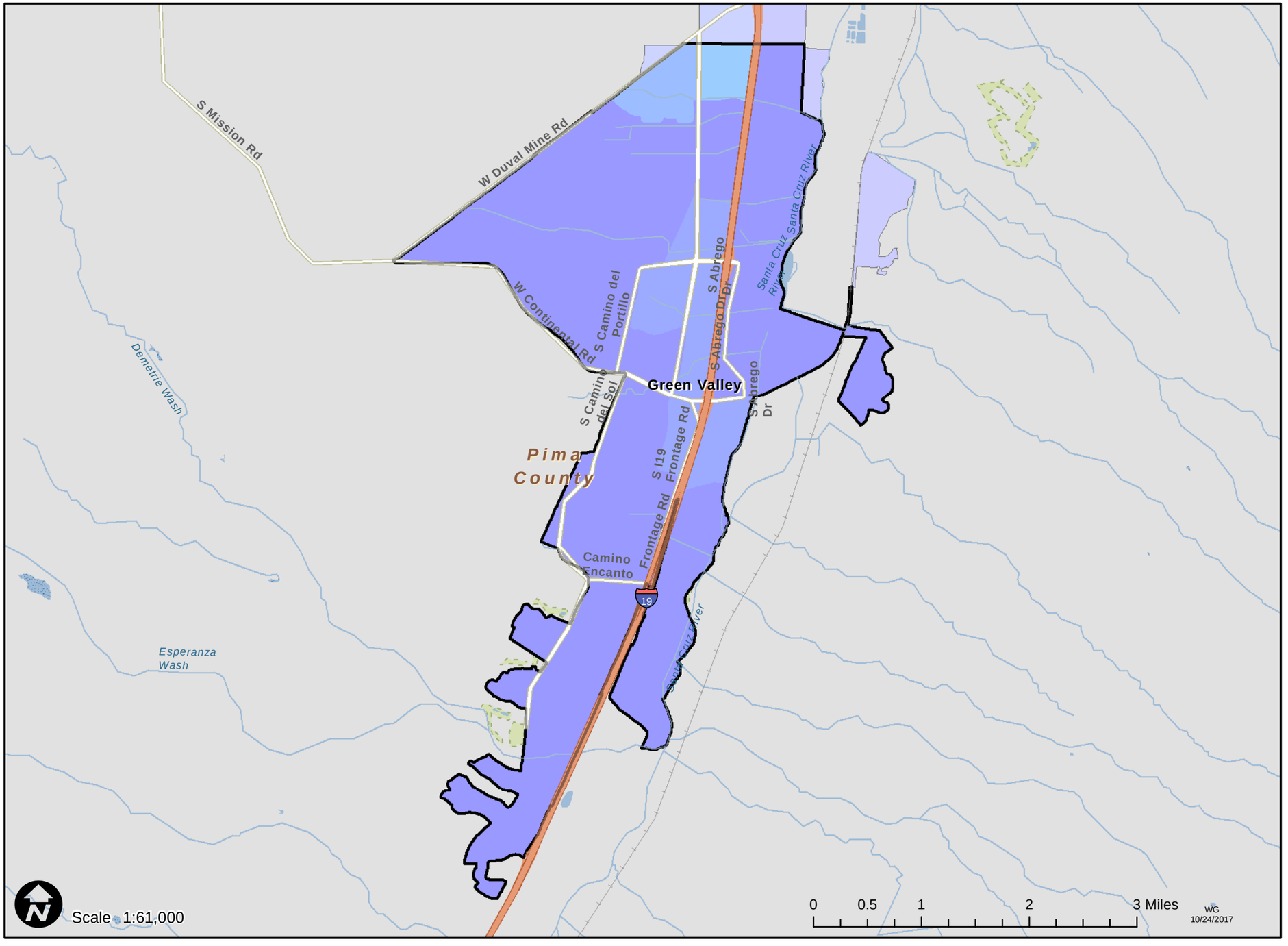
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Green Valley - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.152 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 28 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 16.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.024 |
| Average Low Income Index: | 0.248 |
| Average Traffic Proximity Index: | 0.011 |
| Average Air Quality Index: | 0.309 |
| Average Heat and Developed Imperviousness Index: | 0.313 |

Analysis Area: Census Urbanized Area 2010

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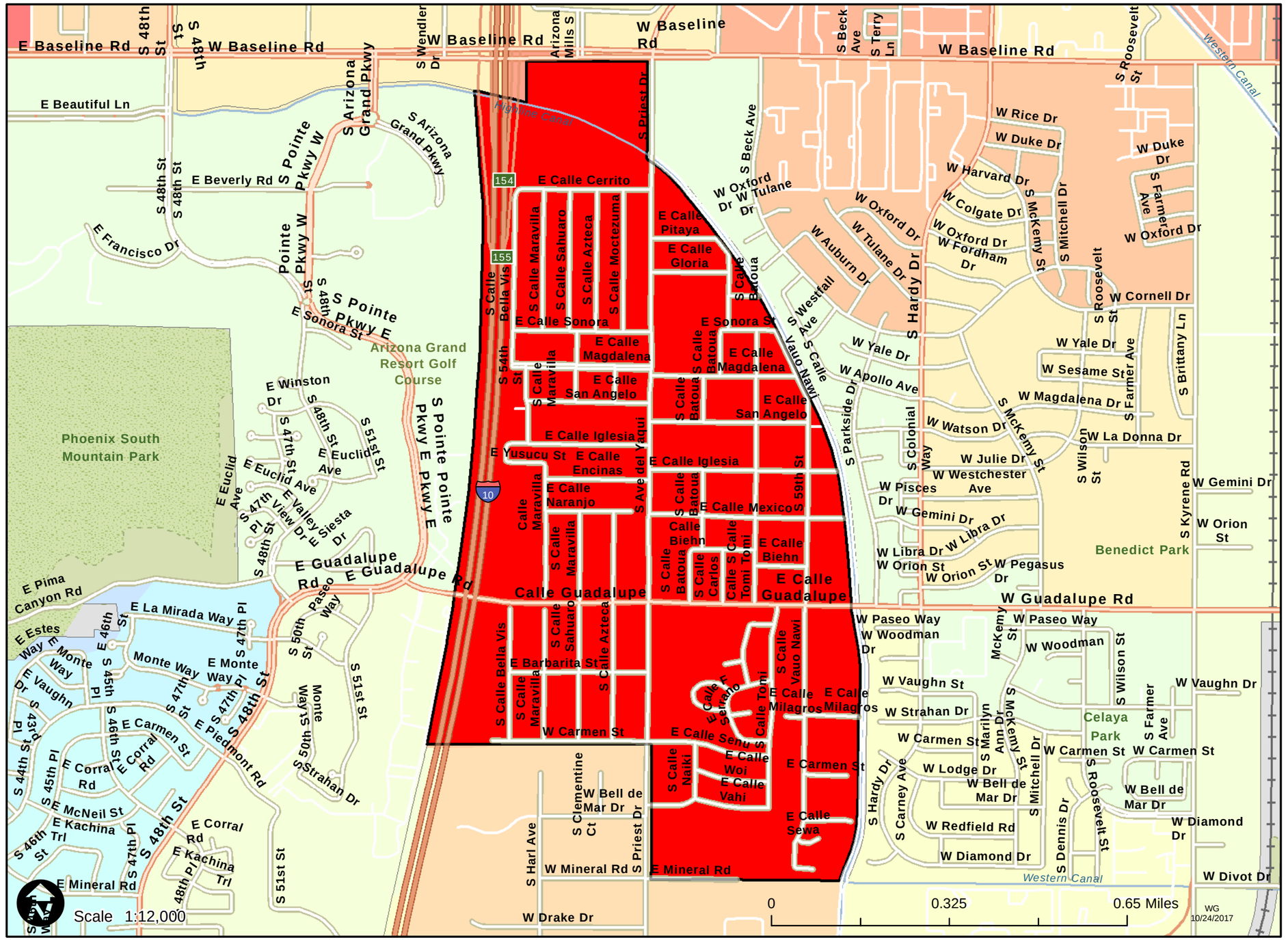
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Guadalupe - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.797 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 1 out of 16 |

## Contributing Factors

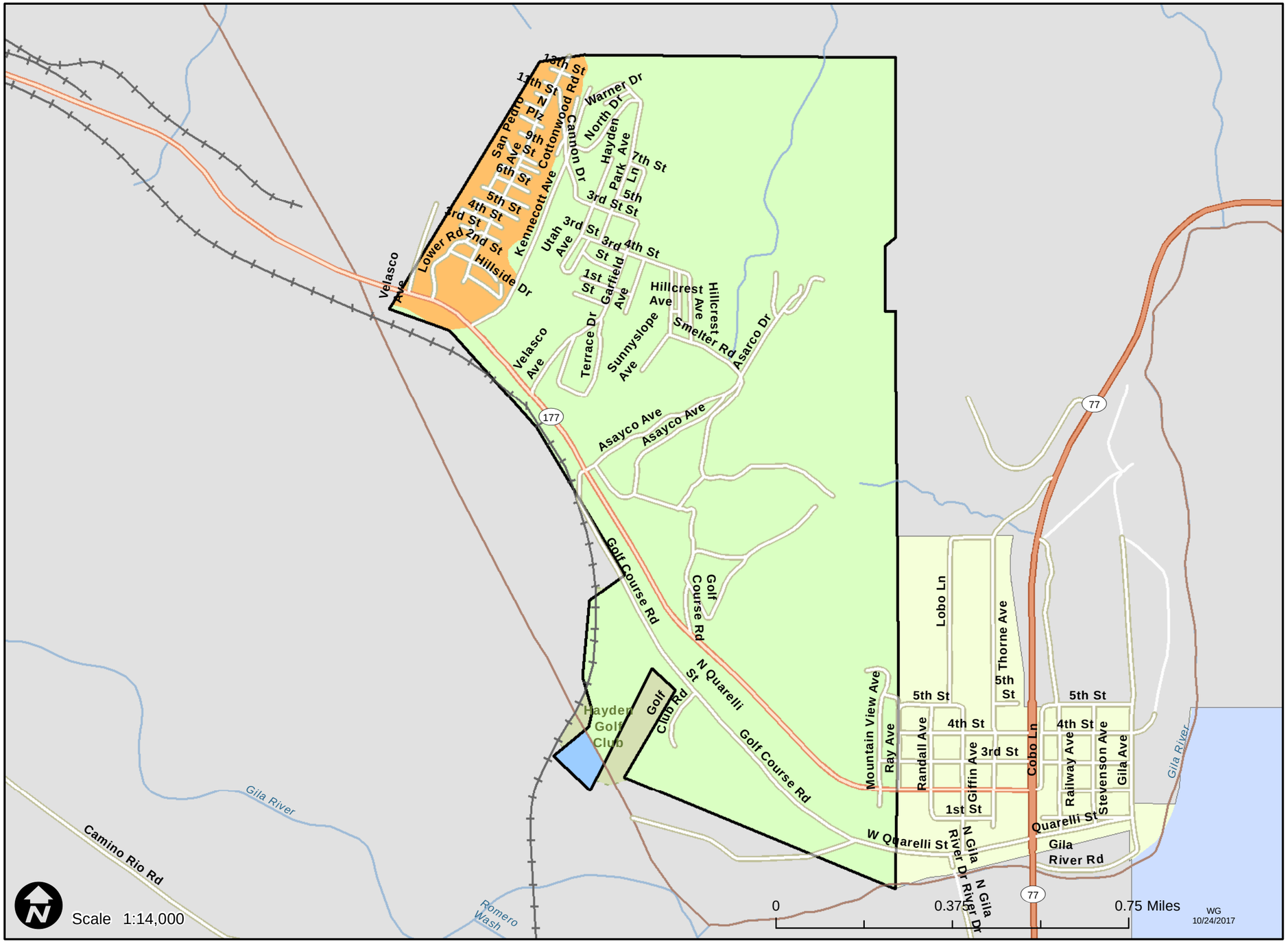
| | |
|---|---|
| Estimated Canopy Cover | 5.70% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.119 |
| Average Low Income Index: | 0.441 |
| Average Traffic Proximity Index: | 0.080 |
| Average Air Quality Index: | 0.848 |
| Average Heat and Developed Imperviousness Index: | 0.590 |
| Analysis Area: ASLD Incorporated Areas 2013 | |

**The Department makes no warranties, expressed or implied, with respect to the information shown on this map.**
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Hayden - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.540 |
| Population Size Class: | 1 to 1,000 |
| Priority Ranking within Population Size Class: | Number 3 out of 6 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 6.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.001 |
| Average Low Income Index: | 0.362 |
| Average Traffic Proximity Index: | 0.001 |
| Average Air Quality Index: | 0.438 |
| Average Heat and Developed Imperviousness Index: | 0.258 |

Analysis Area: ASLD Incorporated Areas 2013

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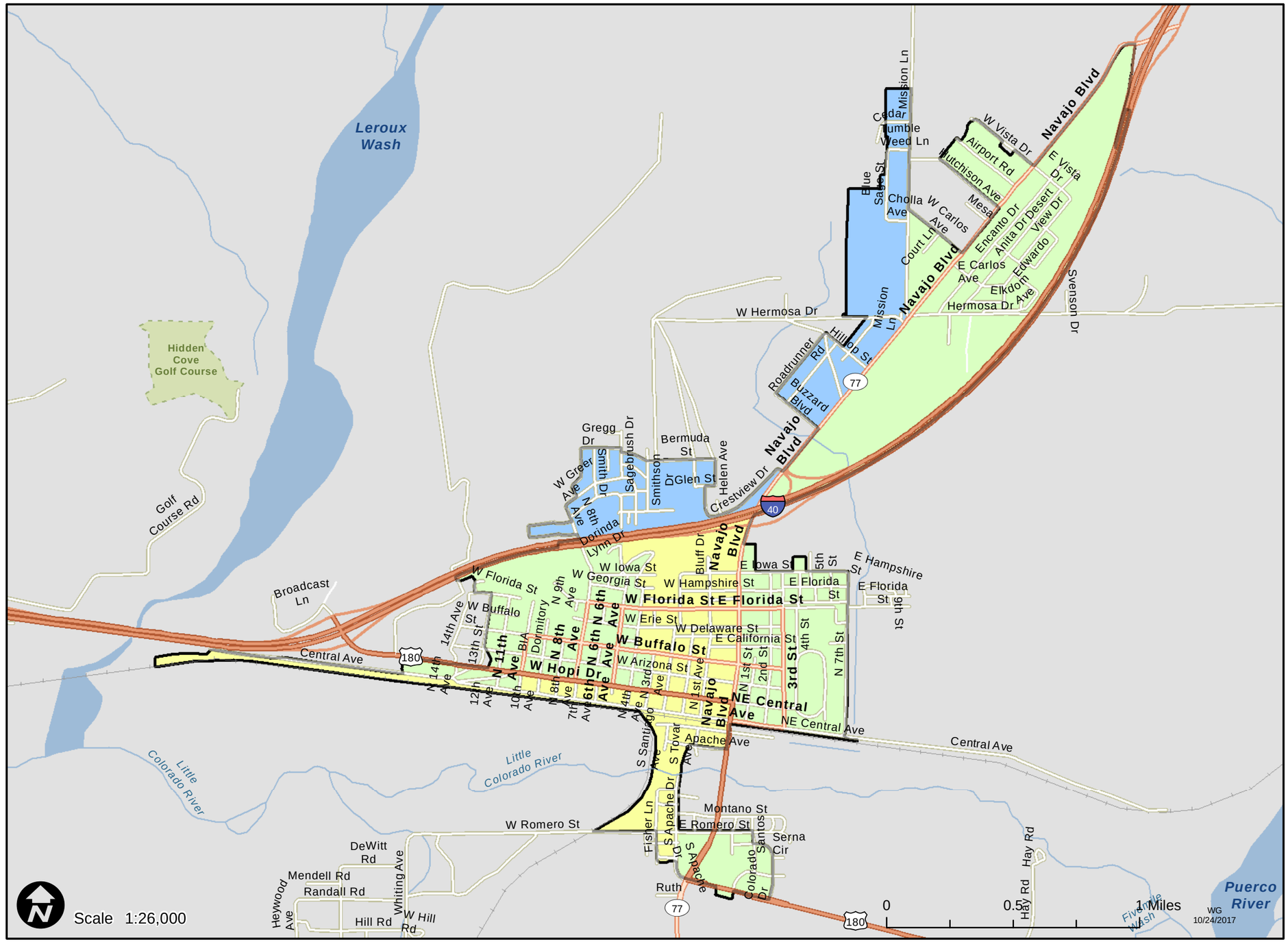
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Holbrook - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.527 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 8 out of 16 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 2.50% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.006 |
| Average Low Income Index: | 0.457 |
| Average Traffic Proximity Index: | 0.008 |
| Average Air Quality Index: | 0.517 |
| Average Heat and Developed Imperviousness Index: | 0.330 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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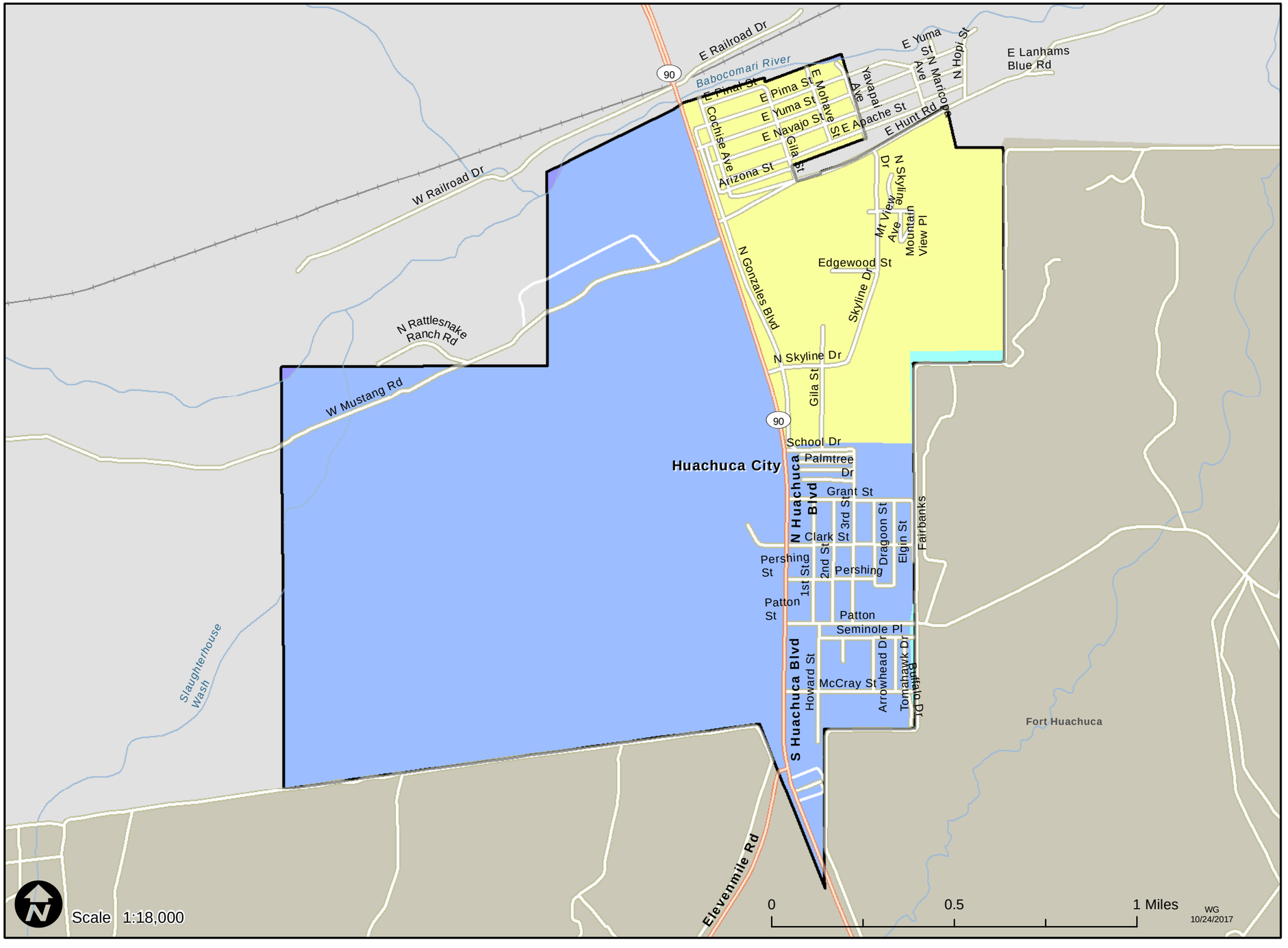
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Huachuca City - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.386 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 22 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 1.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.004 |
| Average Low Income Index: | 0.403 |
| Average Traffic Proximity Index: | 0.006 |
| Average Air Quality Index: | 0.285 |
| Average Heat and Developed Imperviousness Index: | 0.042 |

Analysis Area: ASLD Incorporated Areas 2013

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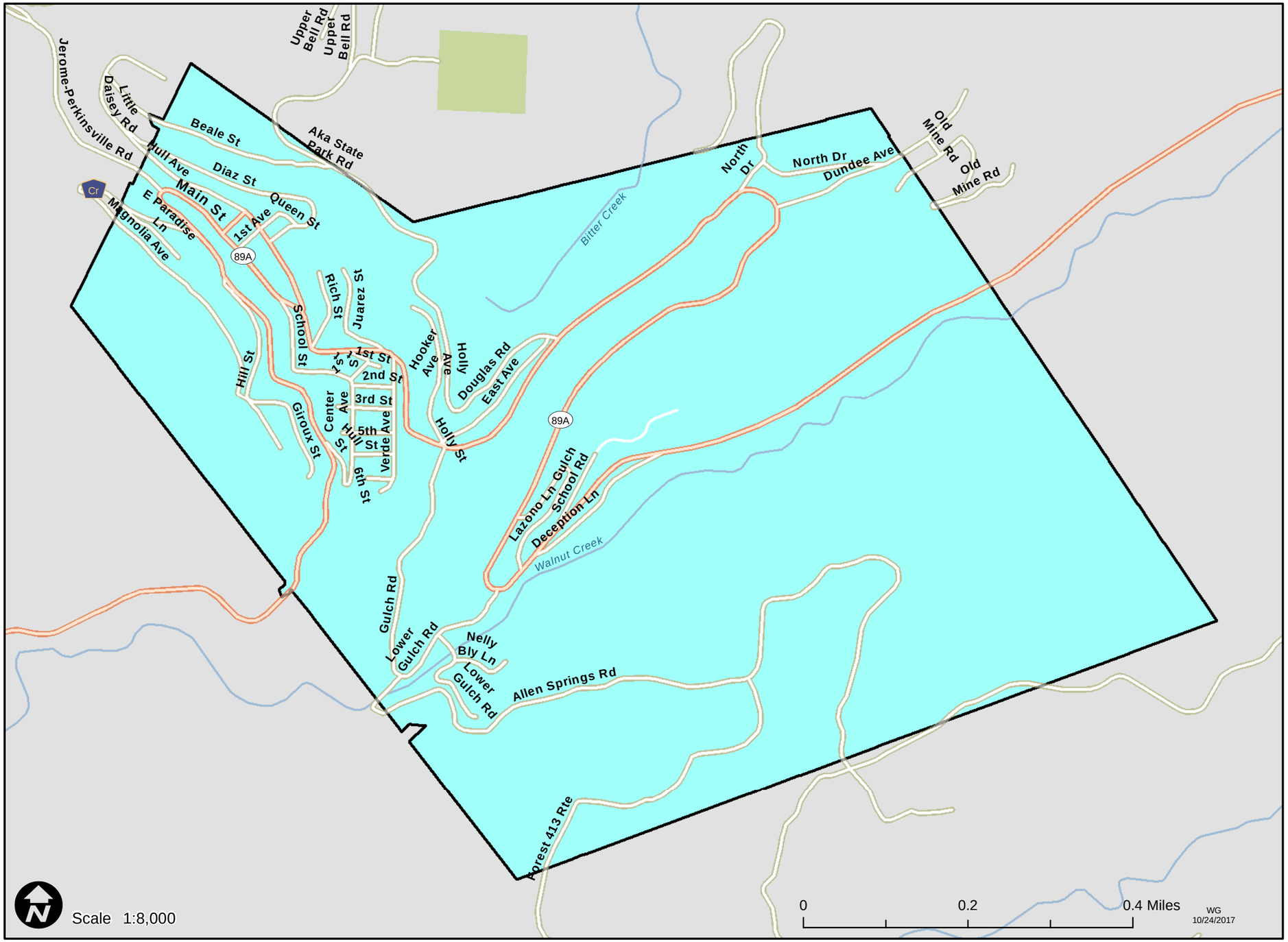
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Jerome - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.481 |
| Population Size Class: | 1 to 1,000 |
| Priority Ranking within Population Size Class: | Number 4 out of 6 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.50% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.000 |
| Average Low Income Index: | 0.264 |
| Average Traffic Proximity Index: | 0.000 |
| Average Air Quality Index: | 0.528 |
| Average Heat and Developed Imperviousness Index: | 0.100 |

Analysis Area: ASLD Incorporated Areas 2013

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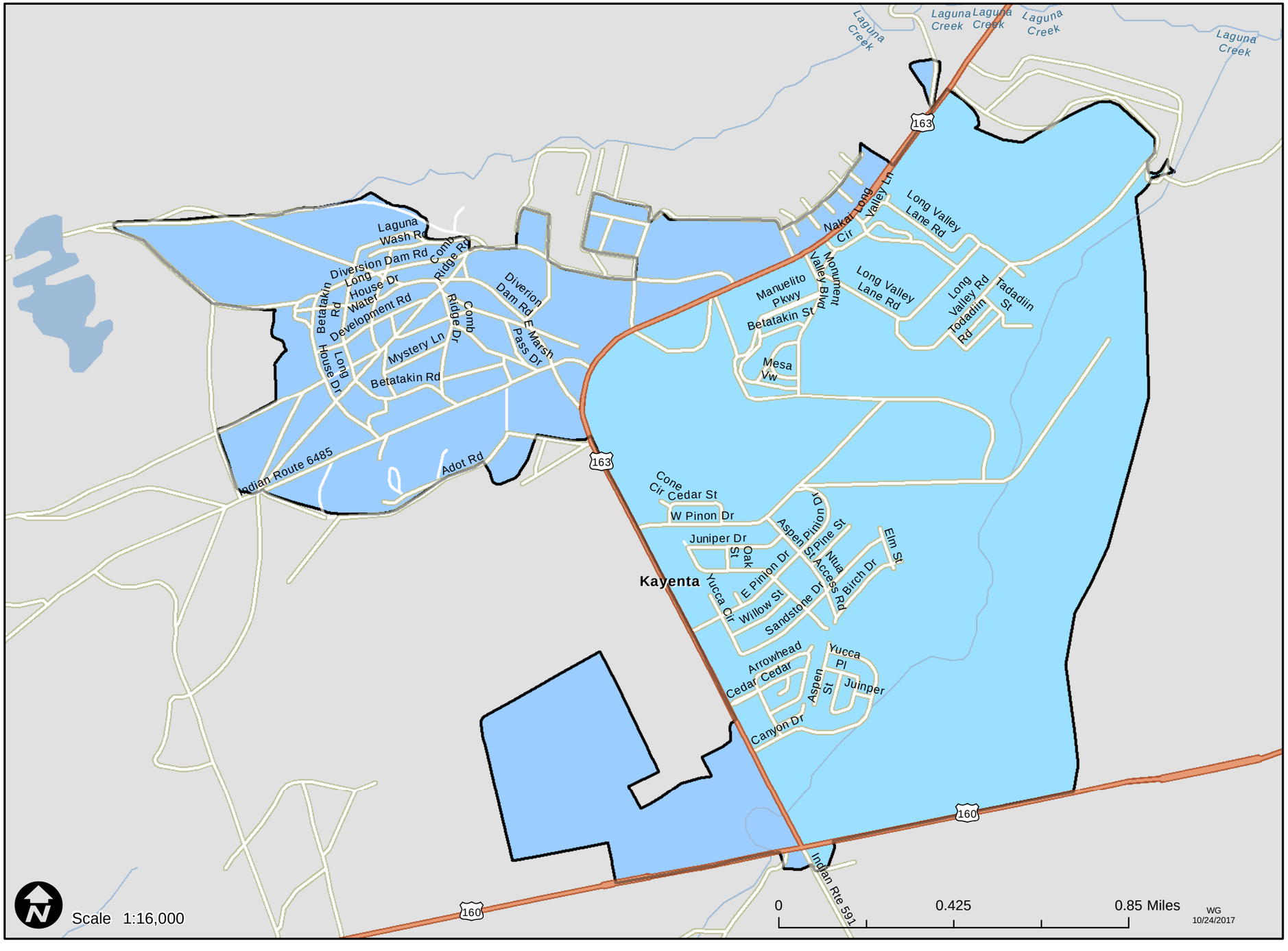
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Kayenta - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.415 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 13 out of 16 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 2.50% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.003 |
| Average Low Income Index: | 0.739 |
| Average Traffic Proximity Index: | 0.001 |
| Average Air Quality Index: | 0.192 |
| Average Heat and Developed Imperviousness Index: | 0.117 |

Analysis Area: Census Urbanized Area 2010

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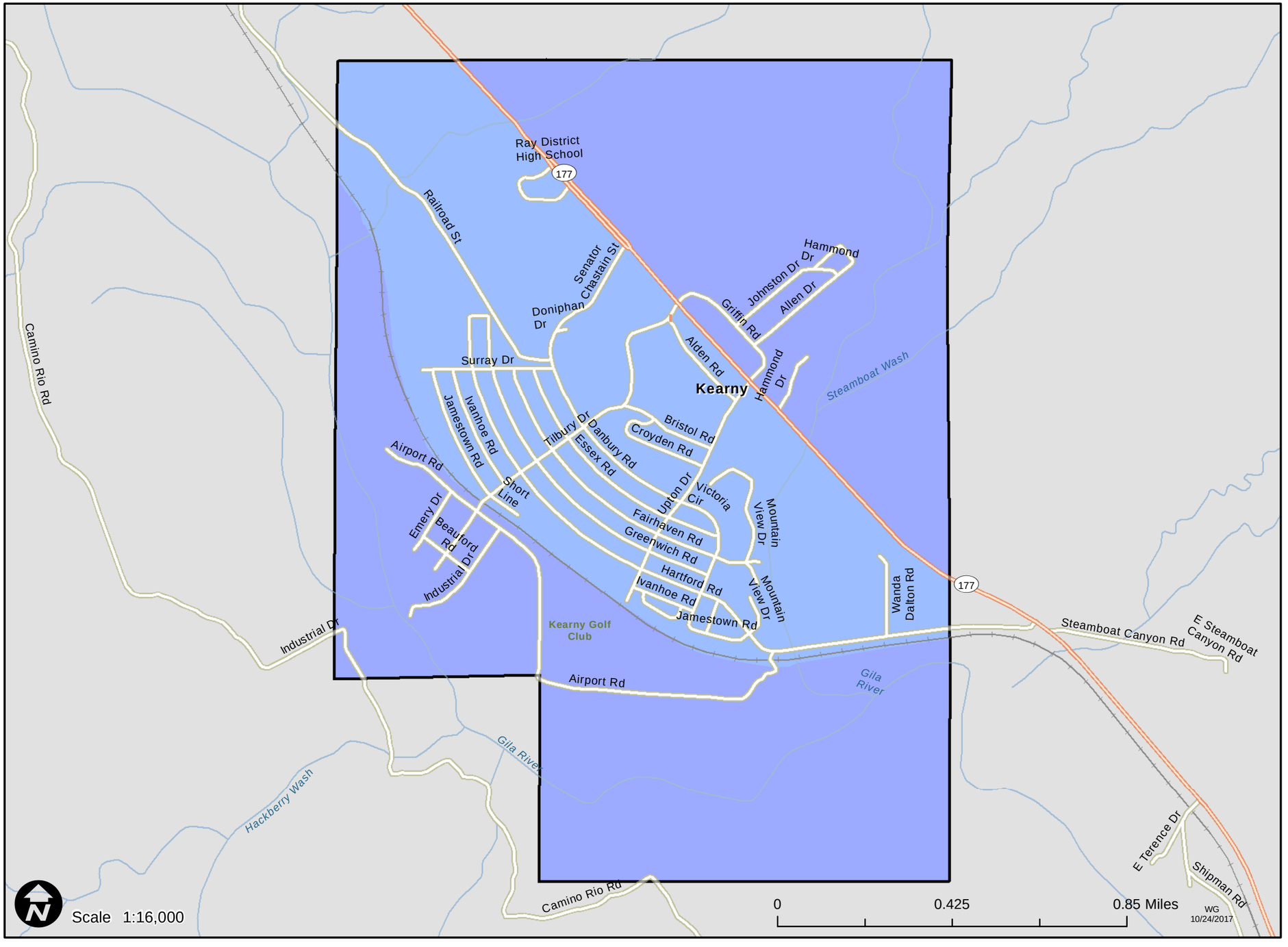
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Kearny - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.333 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 25 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 12.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.020 |
| Average Low Income Index: | 0.394 |
| Average Traffic Proximity Index: | 0.000 |
| Average Air Quality Index: | 0.476 |
| Average Heat and Developed Imperviousness Index: | 0.143 |

Analysis Area: ASLD Incorporated Areas 2013

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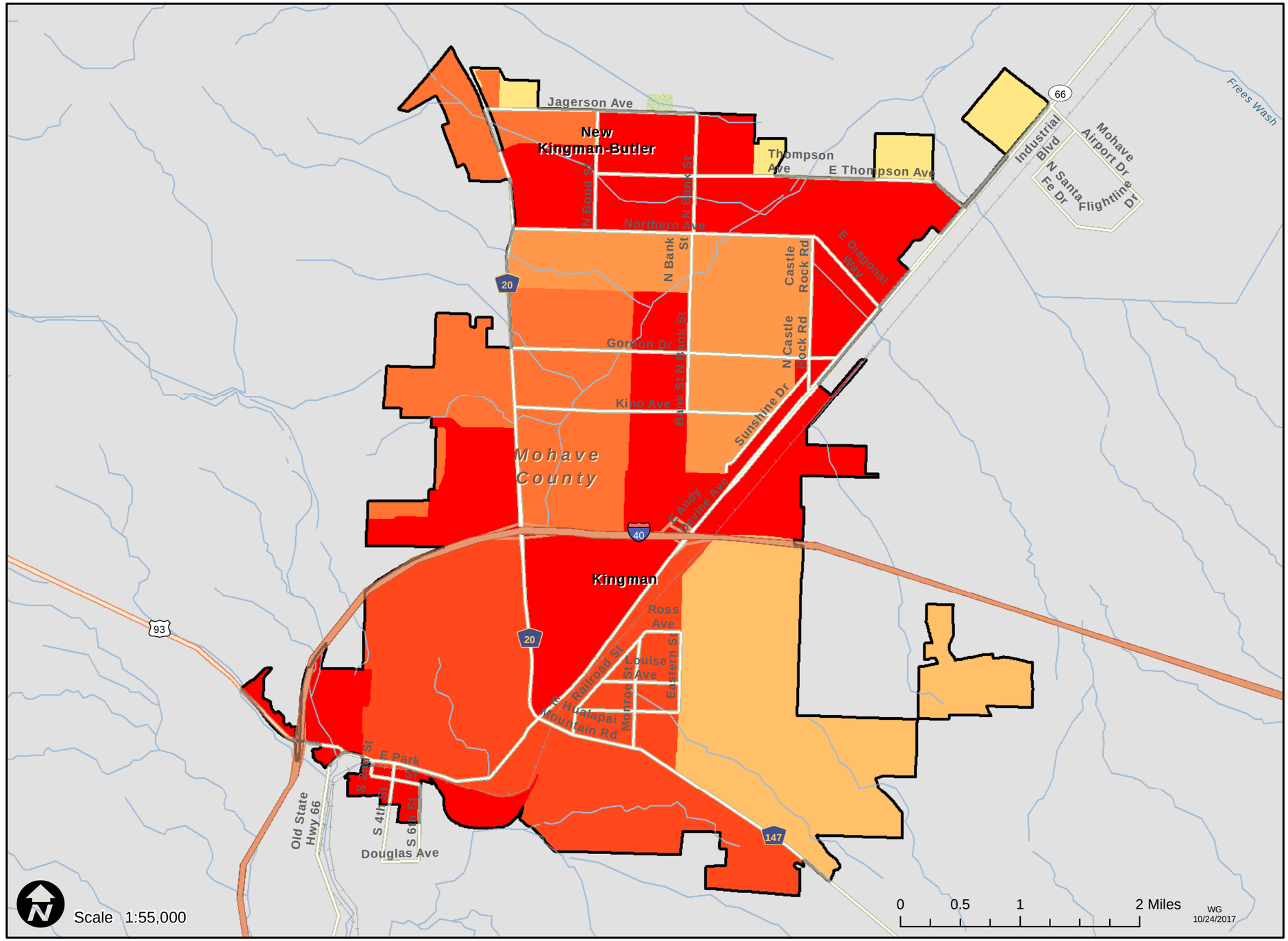
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Kingman - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.801 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 2 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.01% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.035 |
| Average Low Income Index: | 0.538 |
| Average Traffic Proximity Index: | 0.004 |
| Average Air Quality Index: | 0.368 |
| Average Heat and Developed Imperviousness Index: | 0.215 |

Analysis Area: Census Urbanized Area 2010

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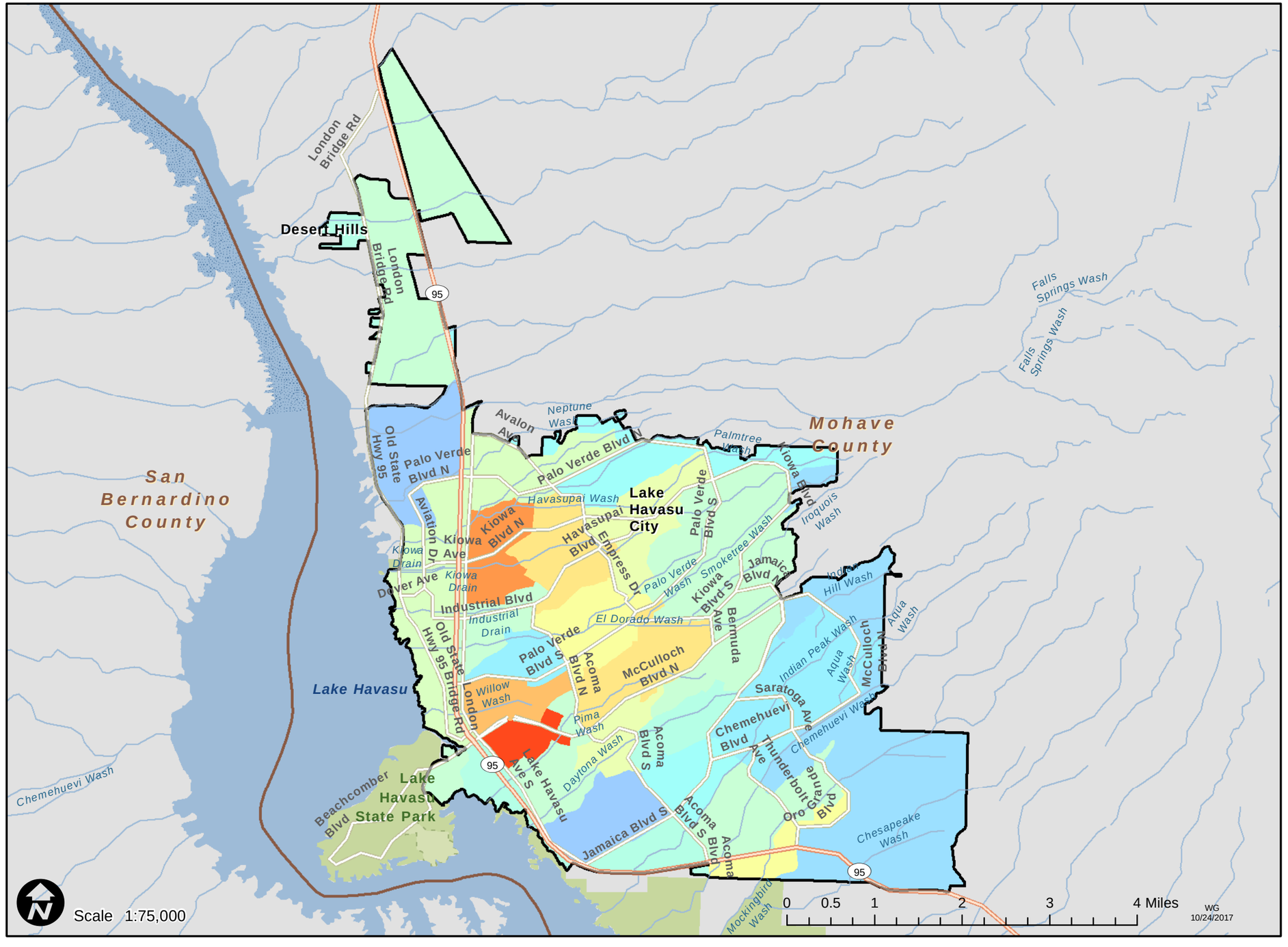
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Lake Havasu City - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.528 |
| Population Size Class: | 50,001 to 100,000 |
| Priority Ranking within Population Size Class: | Number 4 out of 7 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.00% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.034 |
| Average Low Income Index: | 0.375 |
| Average Traffic Proximity Index: | 0.003 |
| Average Air Quality Index: | 0.270 |
| Average Heat and Developed Imperviousness Index: | 0.501 |

Analysis Area: Census Urbanized Area 2010

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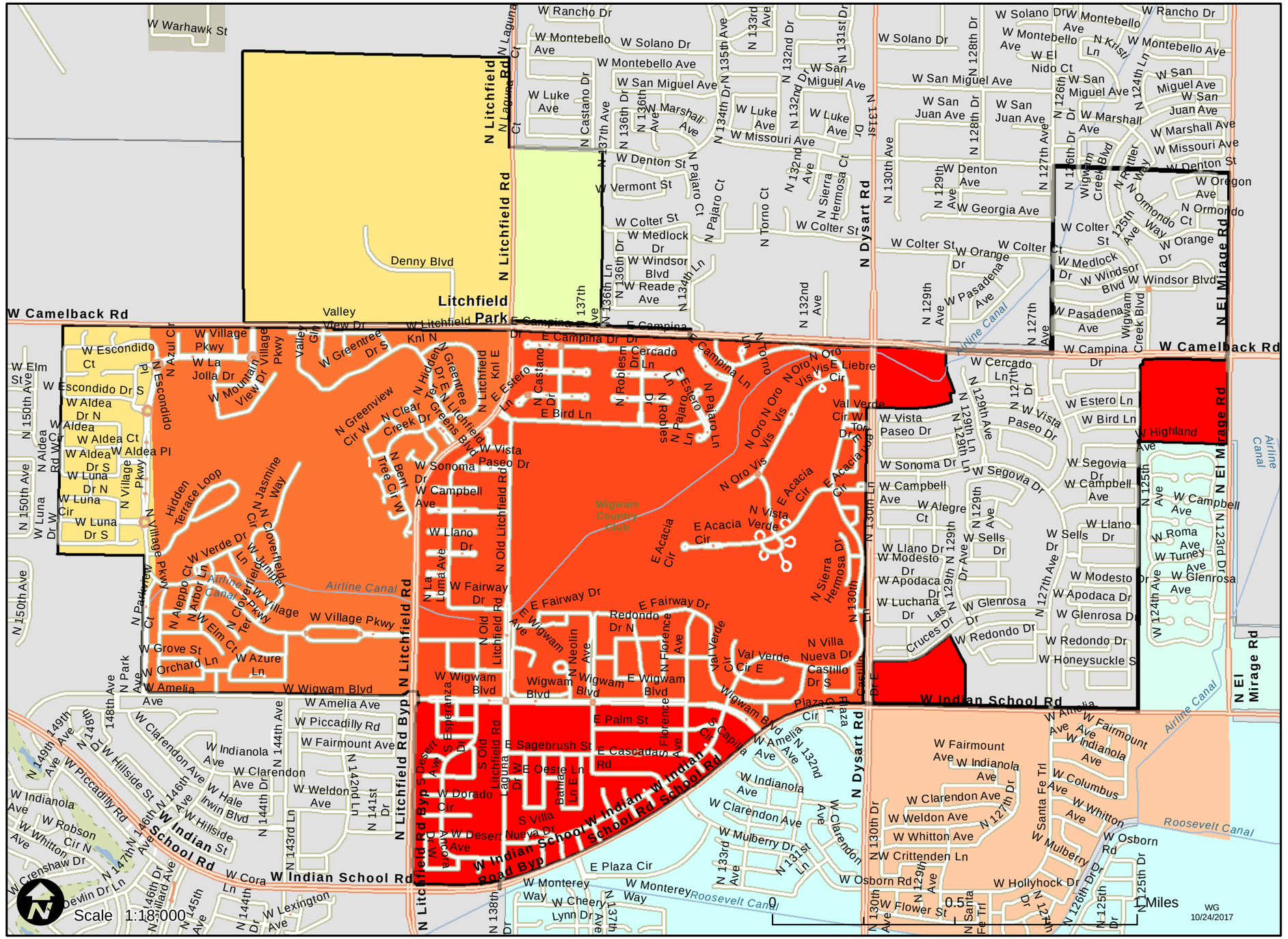
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Litchfield Park - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.768 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 3 out of 16 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 10.80% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.054 |
| Average Low Income Index: | 0.188 |
| Average Traffic Proximity Index: | 0.000 |
| Average Air Quality Index: | 0.620 |
| Average Heat and Developed Imperviousness Index: | 0.314 |
| Analysis Area: | ASLD incorporated area x Census Urbanized Area intersection |

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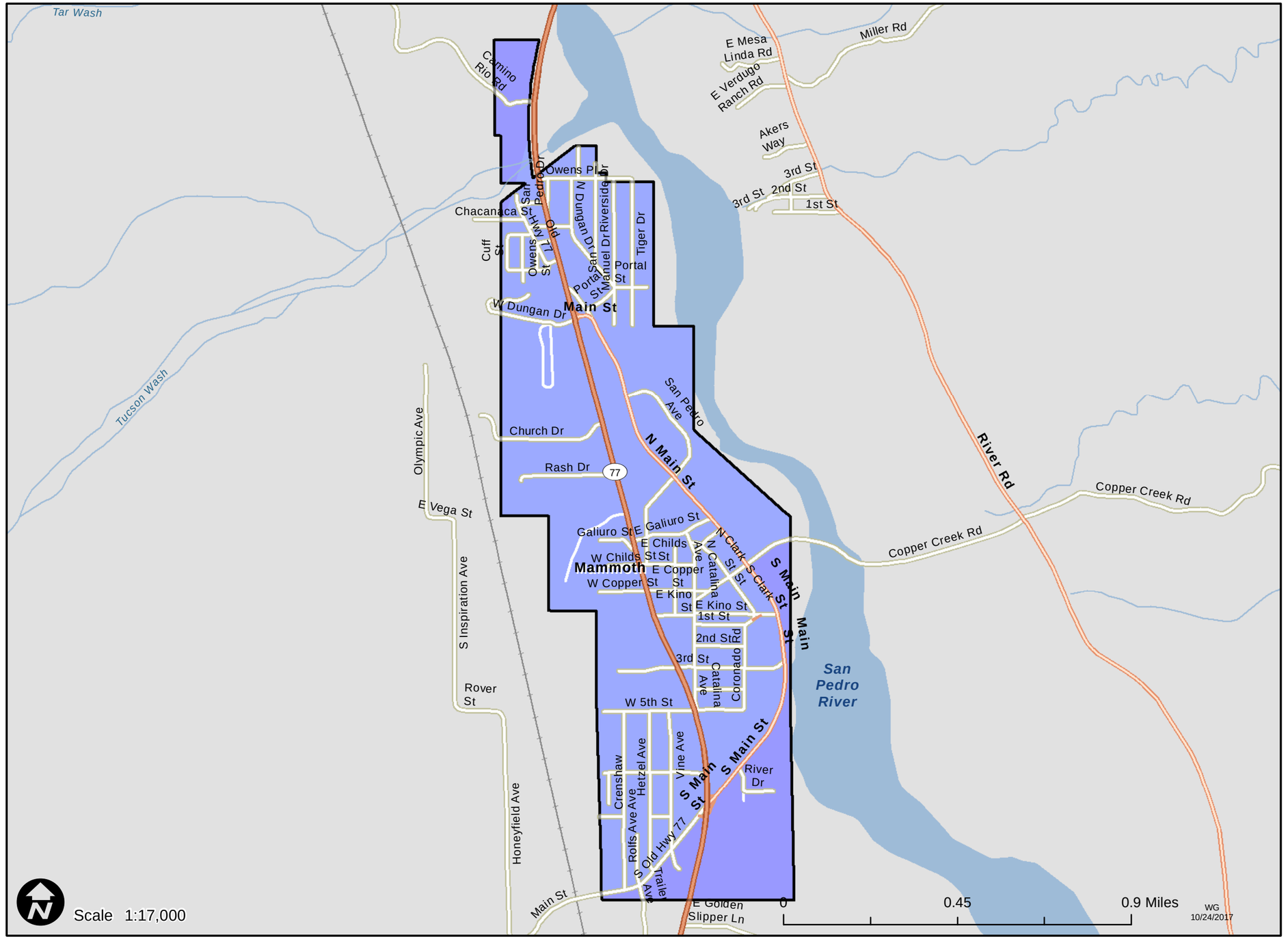
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Mammoth - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.157 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 28 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 16.50% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.011 |
| Average Low Income Index: | 0.485 |
| Average Traffic Proximity Index: | 0.003 |
| Average Air Quality Index: | 0.259 |
| Average Heat and Developed Imperviousness Index: | 0.093 |
| Analysis Area: | ASLD incorporated area x Census Urbanized Area intersection |

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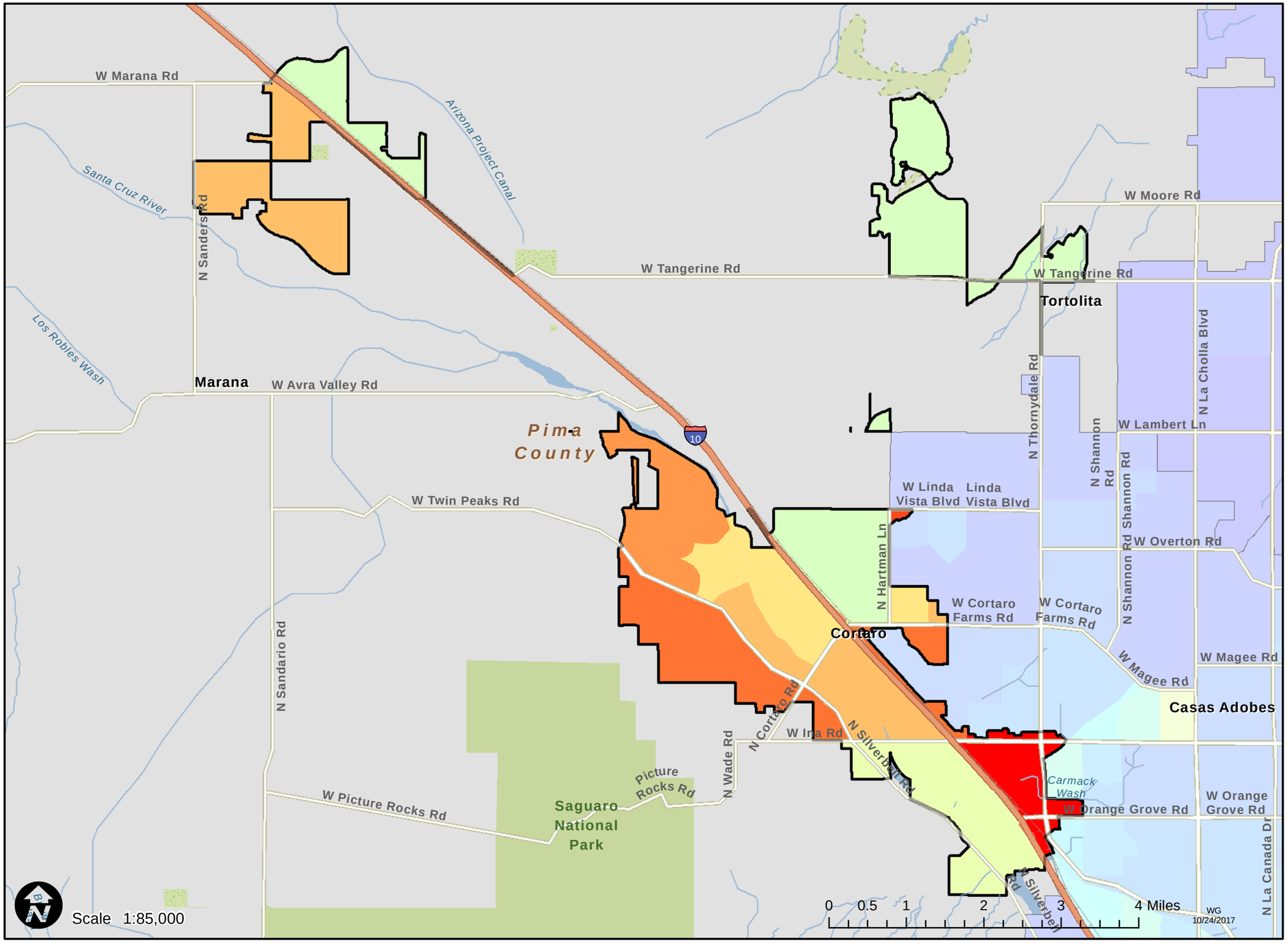
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Marana - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.718 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 6 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 4.30% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.038 |
| Average Low Income Index: | 0.264 |
| Average Traffic Proximity Index: | 0.056 |
| Average Air Quality Index: | 0.343 |
| Average Heat and Developed Imperviousness Index: | 0.284 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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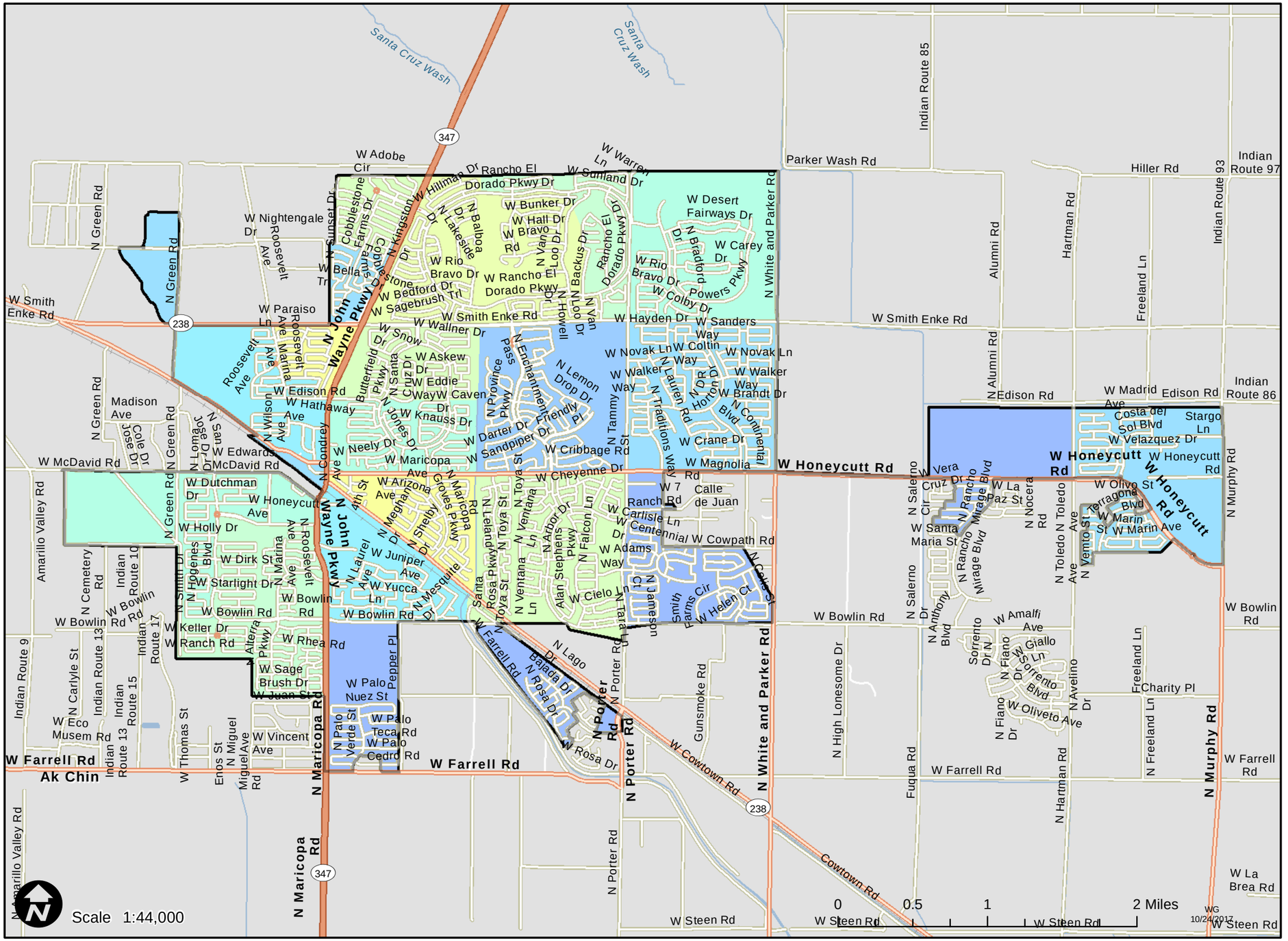
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Maricopa - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.497 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 14 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.060 |
| Average Low Income Index: | 0.330 |
| Average Traffic Proximity Index: | 0.008 |
| Average Air Quality Index: | 0.626 |
| Average Heat and Developed Imperviousness Index: | 0.326 |
| Analysis Area: | ASLD incorporated area x Census Urbanized Area intersection |

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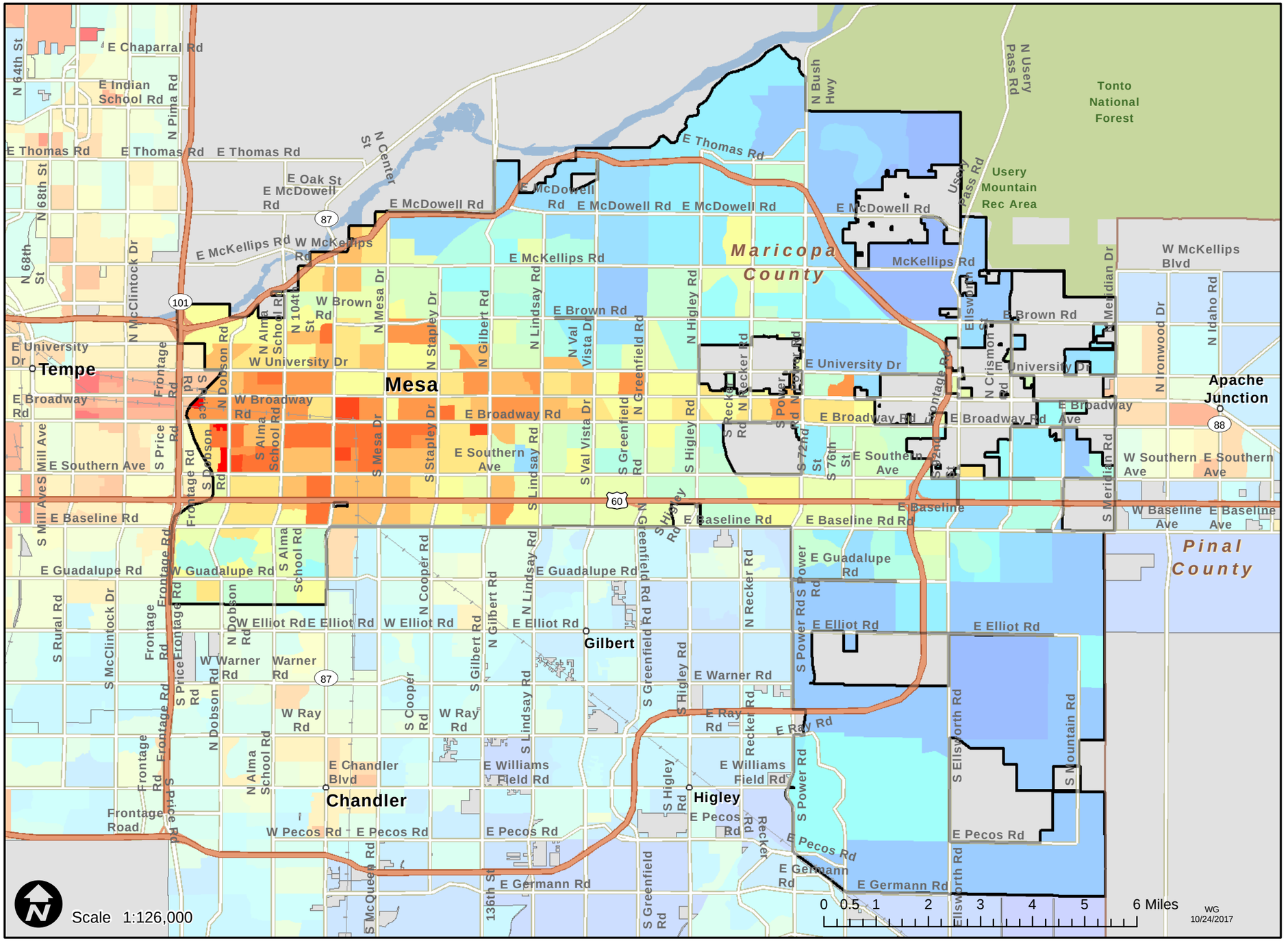
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Mesa - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.560 |
| Population Size Class: | 100,001 and higher |
| Priority Ranking within Population Size Class: | Number 4 out of 10 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 6.30% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.103 |
| Average Low Income Index: | 0.371 |
| Average Traffic Proximity Index: | 0.017 |
| Average Air Quality Index: | 0.803 |
| Average Heat and Developed Imperviousness Index: | 0.569 |

Analysis Area: ASLD Incorporated Areas 2013

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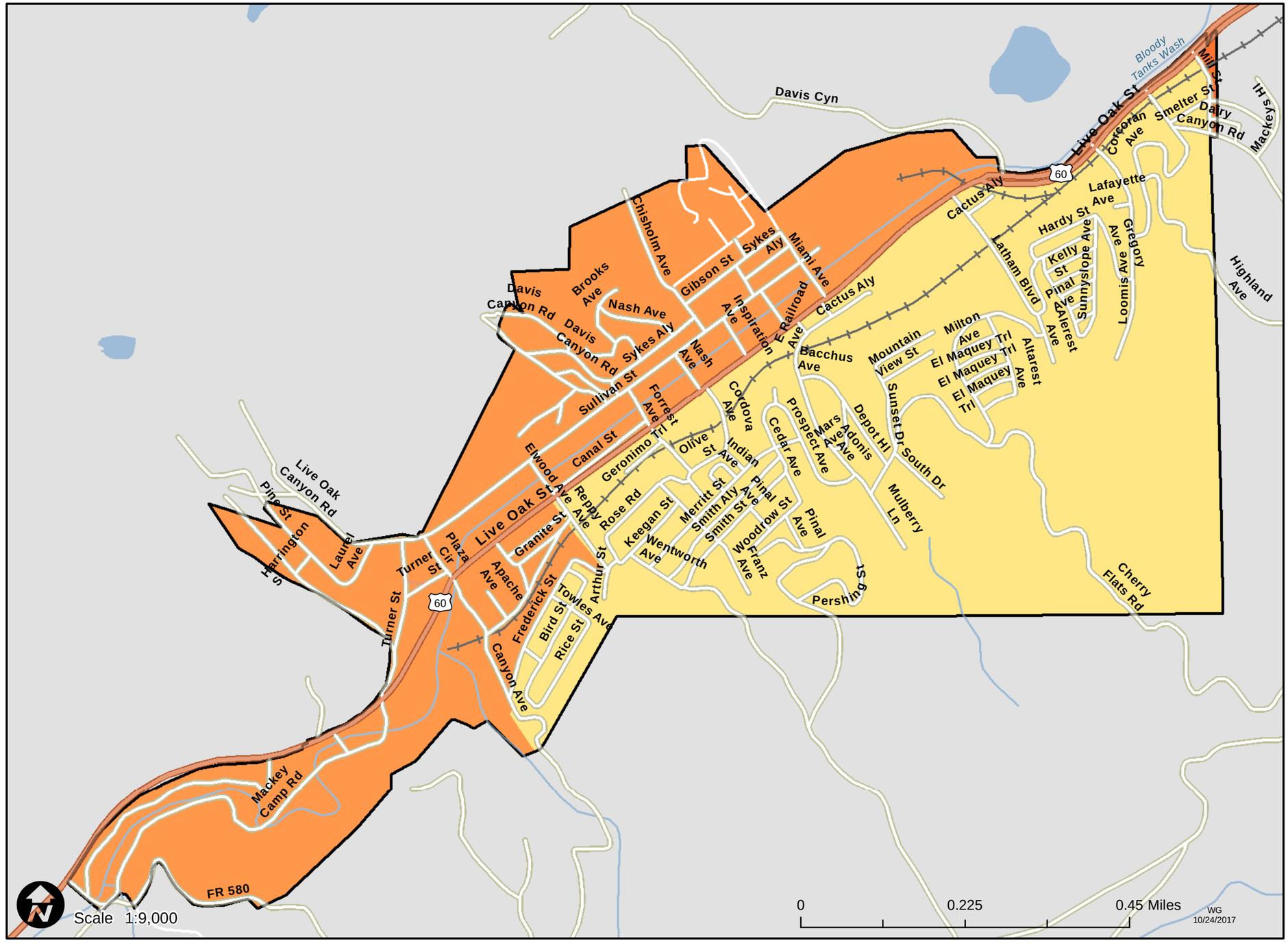
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Miami - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.676 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 3 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 4.80% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.006 |
| Average Low Income Index: | 0.489 |
| Average Traffic Proximity Index: | 0.010 |
| Average Air Quality Index: | 0.628 |
| Average Heat and Developed Imperviousness Index: | 0.308 |

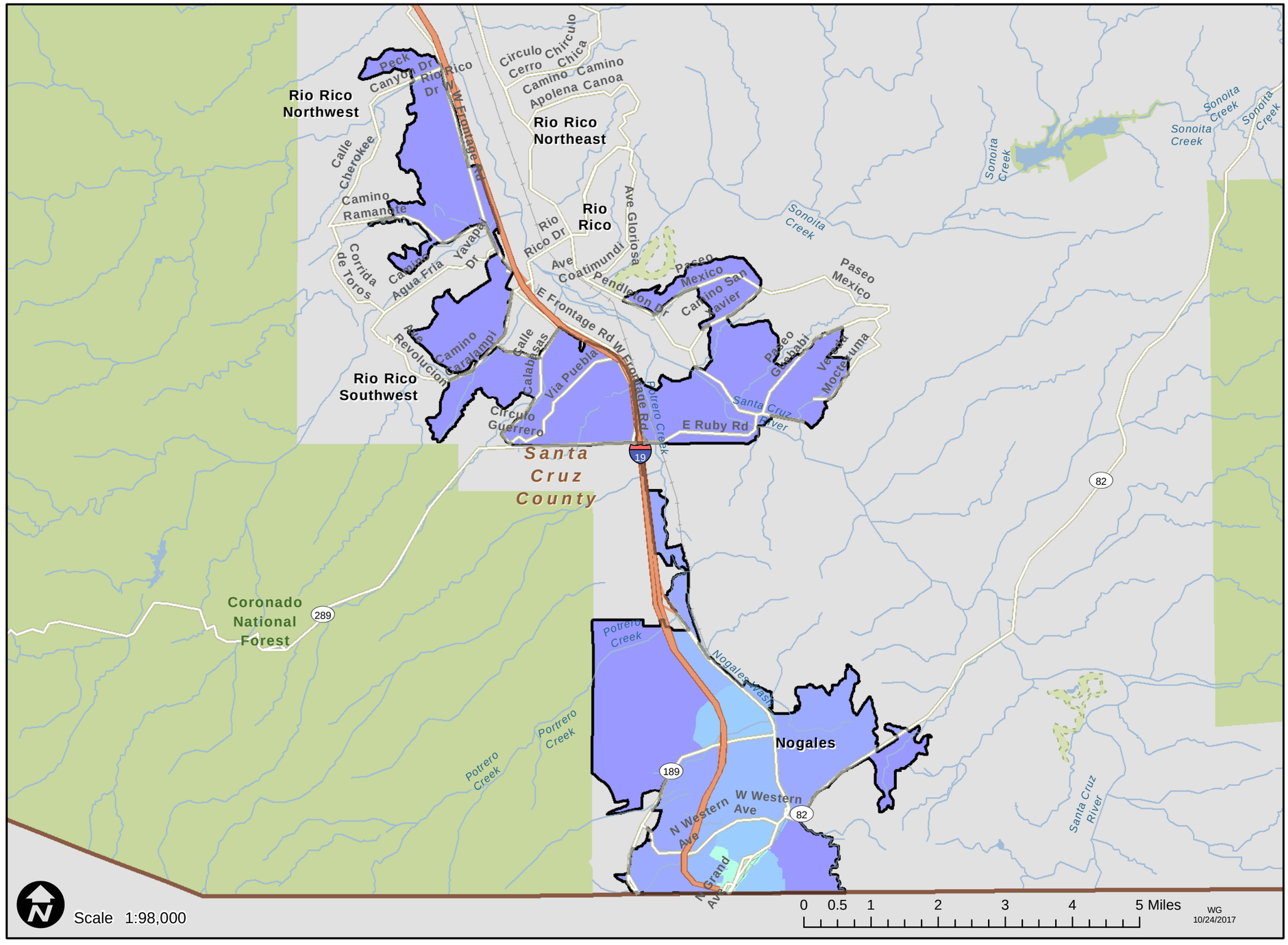
Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

**The Department makes no warranties, expressed or implied, with respect to the information shown on this map.**
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Nogales - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.262 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 22 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 8.75% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.032 |
| Average Low Income Index: | 0.619 |
| Average Traffic Proximity Index: | 0.011 |
| Average Air Quality Index: | 0.117 |
| Average Heat and Developed Imperviousness Index: | 0.154 |

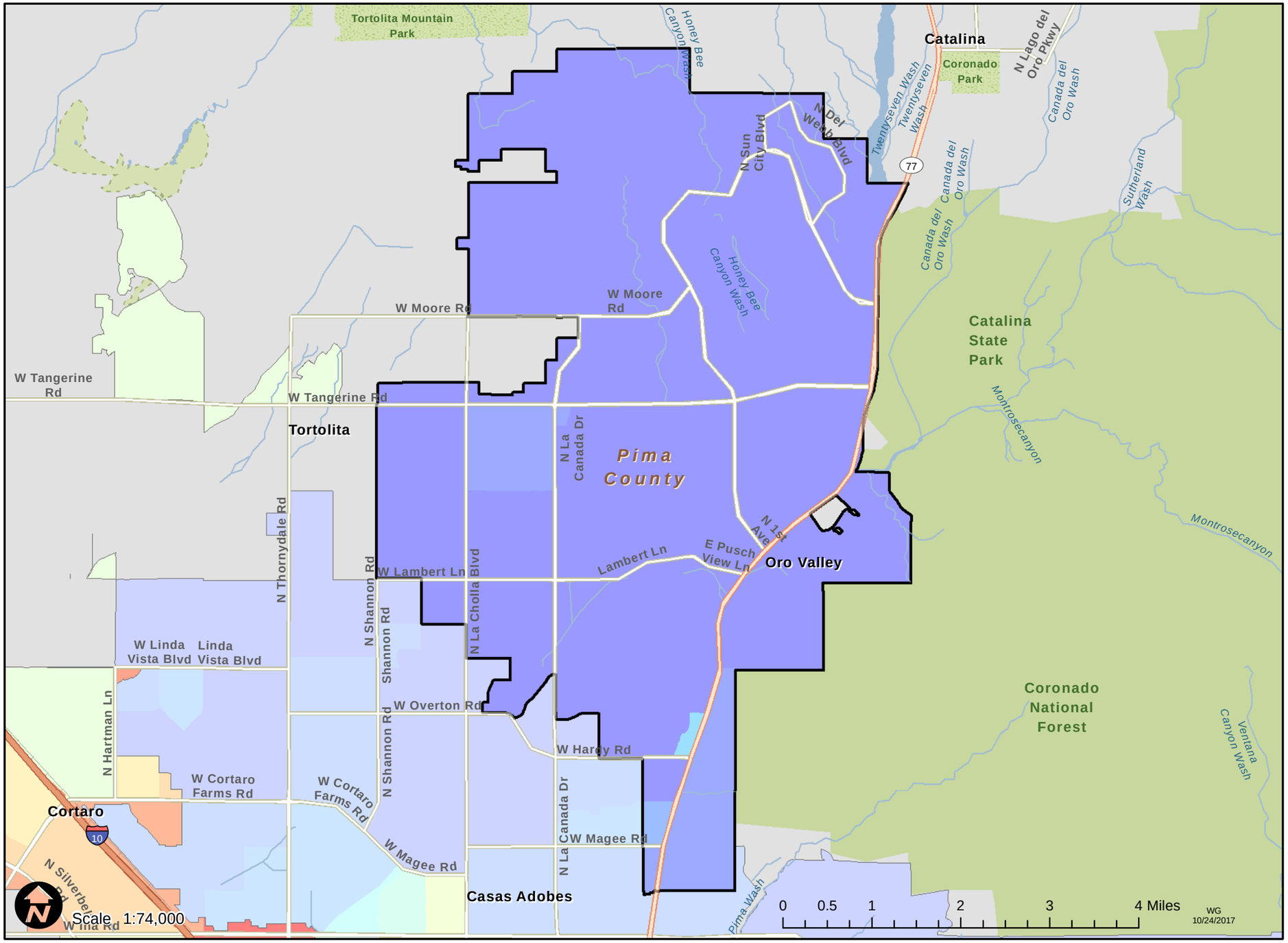
Analysis Area: Census Urbanized Area 2010

**The Department makes no warranties, expressed or implied, with respect to the information shown on this map.**
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Oro Valley - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.163 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 27 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 11.50% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.033 |
| Average Low Income Index: | 0.168 |
| Average Traffic Proximity Index: | 0.031 |
| Average Air Quality Index: | 0.322 |
| Average Heat and Developed Imperviousness Index: | 0.216 |

Analysis Area: ASLD Incorporated Areas 2013

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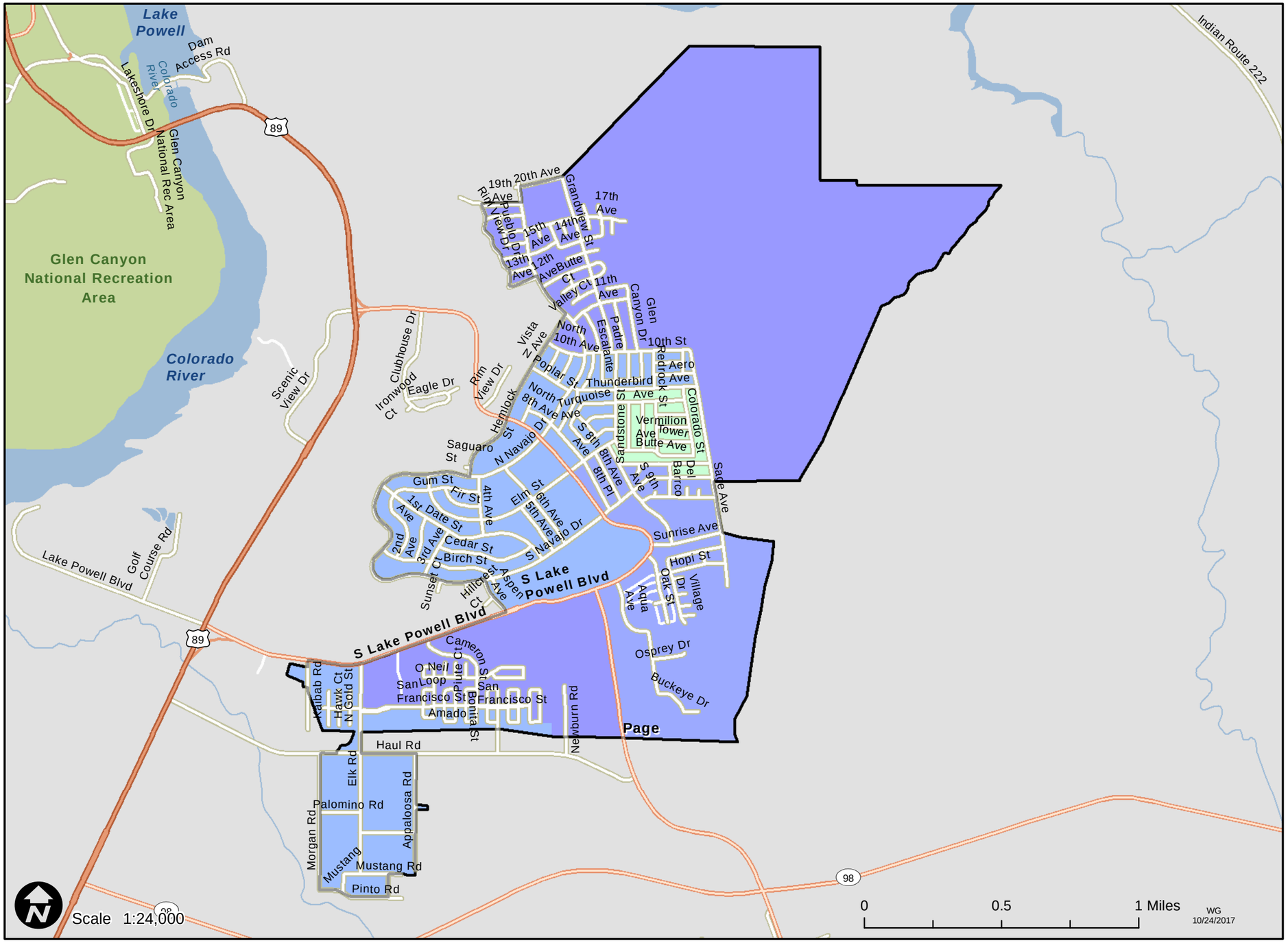
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Page - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.307 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 14 out of 16 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.50% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.053 |
| Average Low Income Index: | 0.294 |
| Average Traffic Proximity Index: | 0.000 |
| Average Air Quality Index: | 0.165 |
| Average Heat and Developed Imperviousness Index: | 0.317 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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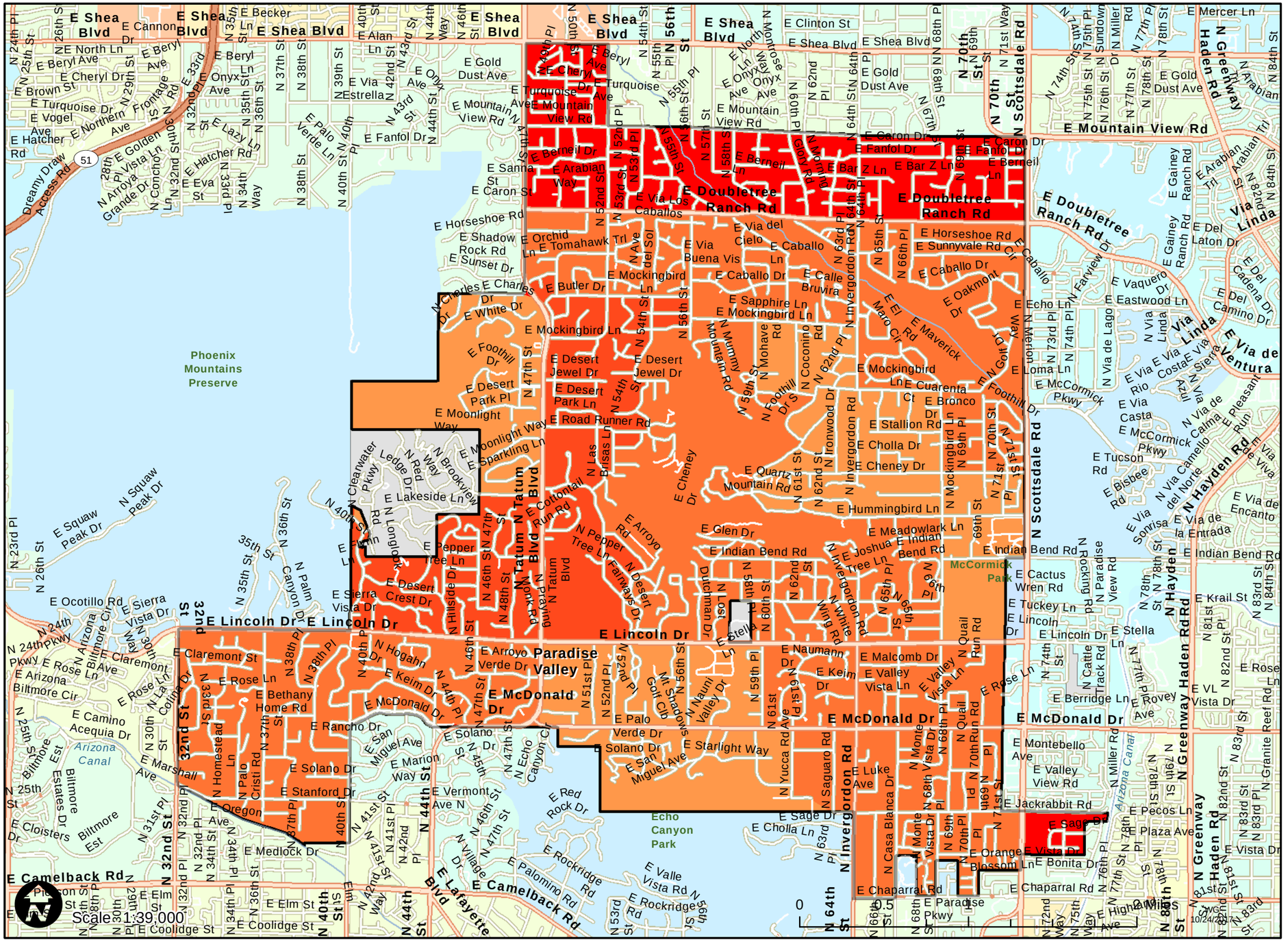
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Paradise Valley - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.773 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 4 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 16.00% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.030 |
| Average Low Income Index: | 0.155 |
| Average Traffic Proximity Index: | 0.037 |
| Average Air Quality Index: | 0.934 |
| Average Heat and Developed Imperviousness Index: | 0.395 |

Analysis Area: ASLD Incorporated Areas 2013

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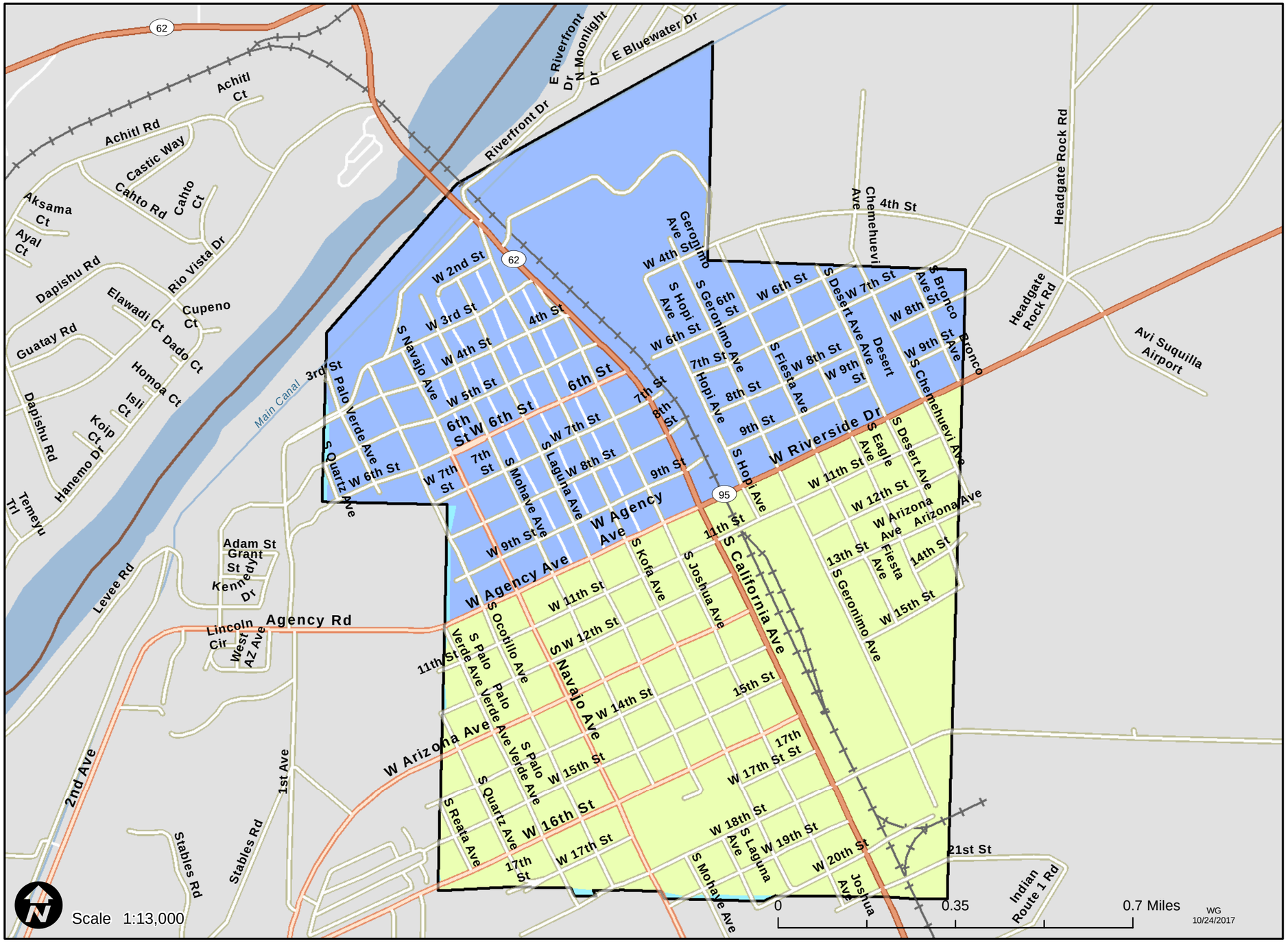
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

SWG 10/24/2017

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Parker - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.461 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 14 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.25% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.026 |
| Average Low Income Index: | 0.516 |
| Average Traffic Proximity Index: | 0.004 |
| Average Air Quality Index: | 0.103 |
| Average Heat and Developed Imperviousness Index: | 0.319 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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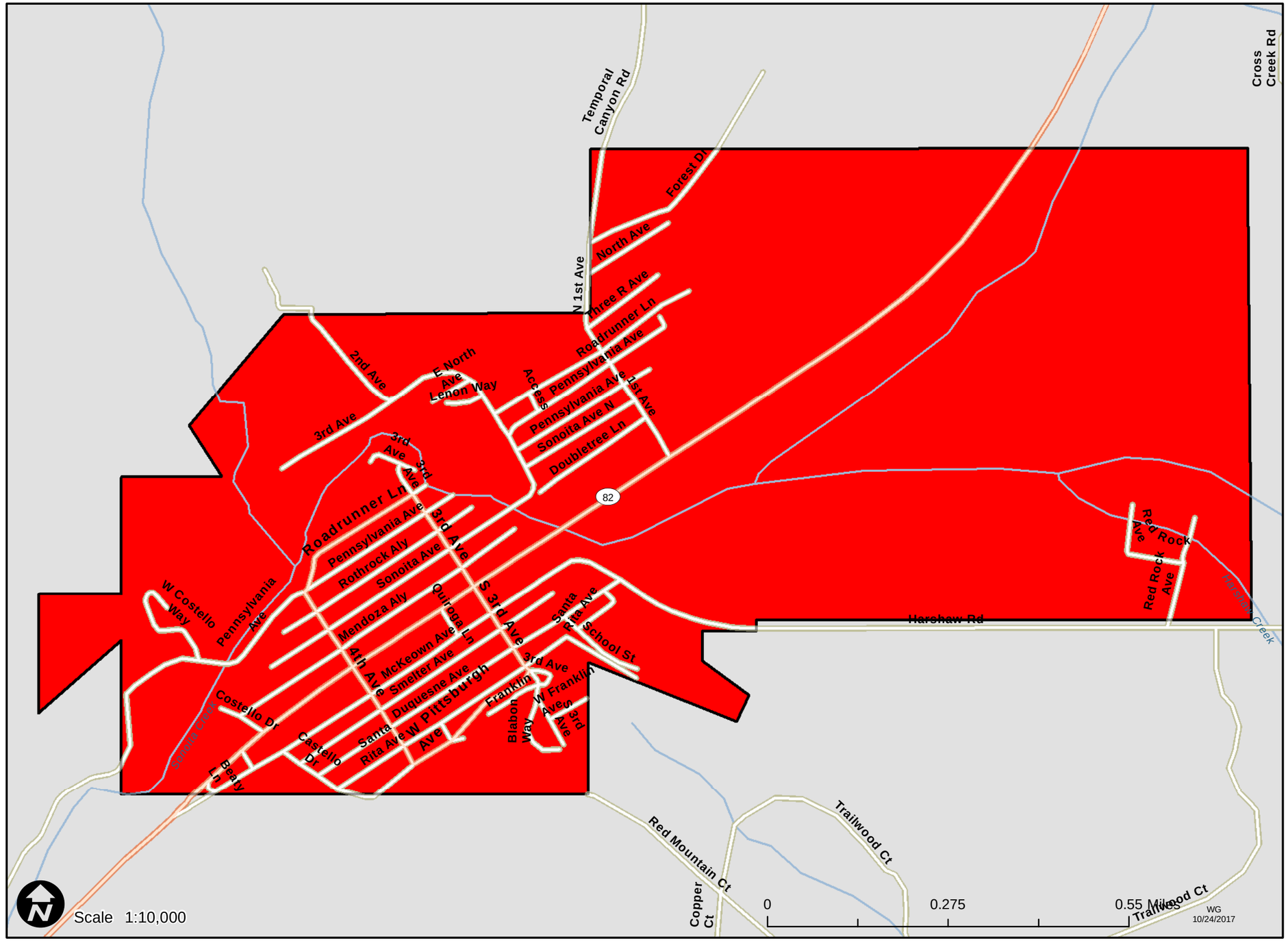
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Patagonia - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 1.000 |
| Population Size Class: | 1 to 1,000 |
| Priority Ranking within Population Size Class: | Number 1 out of 6 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 9.75% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.000 |
| Average Low Income Index: | 0.572 |
| Average Traffic Proximity Index: | 0.000 |
| Average Air Quality Index: | 0.182 |
| Average Heat and Developed Imperviousness Index: | 0.056 |

Analysis Area: ASLD Incorporated Areas 2013

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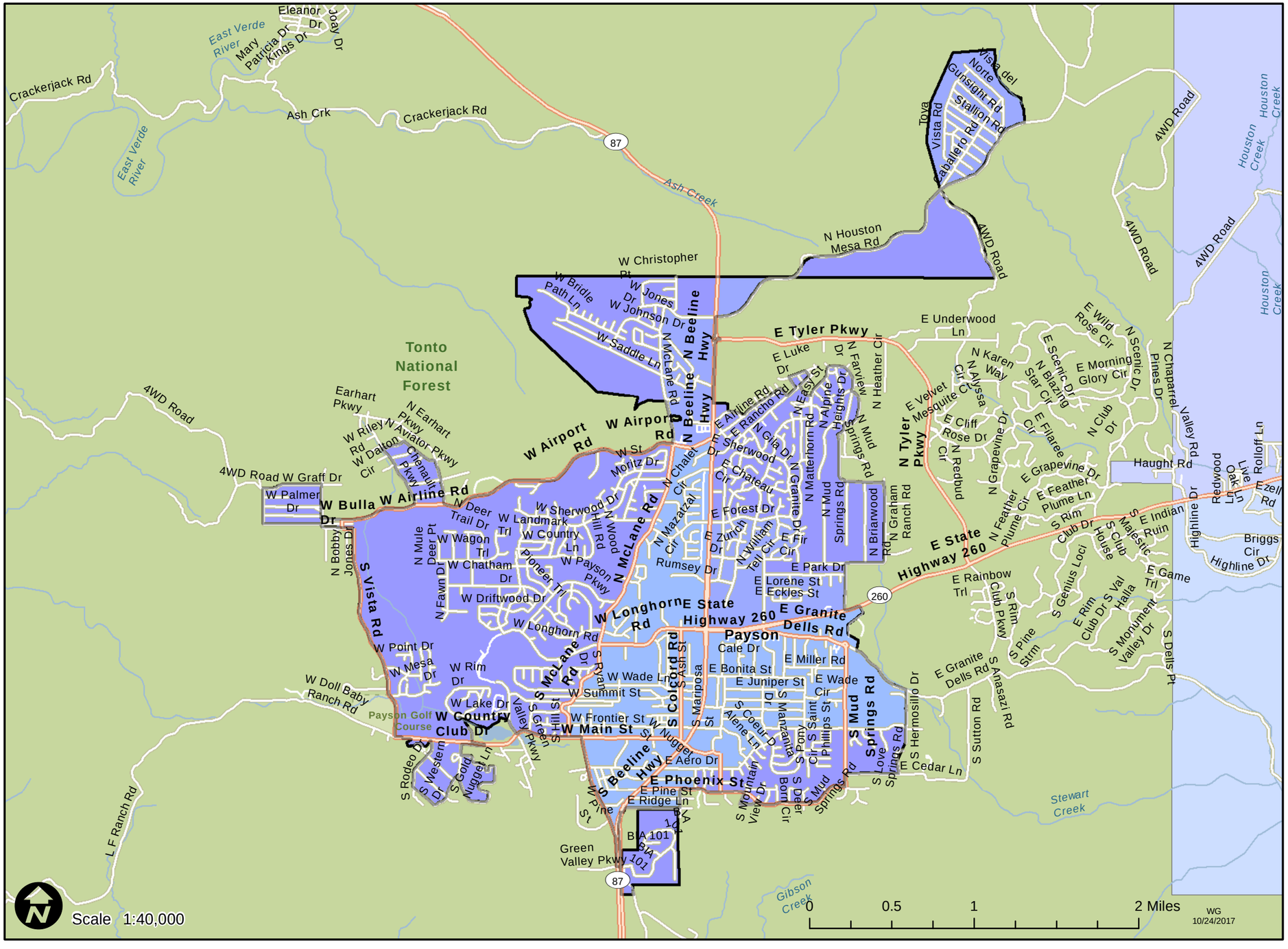
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Payson - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.221 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 23 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 16.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.024 |
| Average Low Income Index: | 0.356 |
| Average Traffic Proximity Index: | 0.006 |
| Average Air Quality Index: | 0.516 |
| Average Heat and Developed Imperviousness Index: | 0.195 |

Analysis Area: Census Urbanized Area 2010

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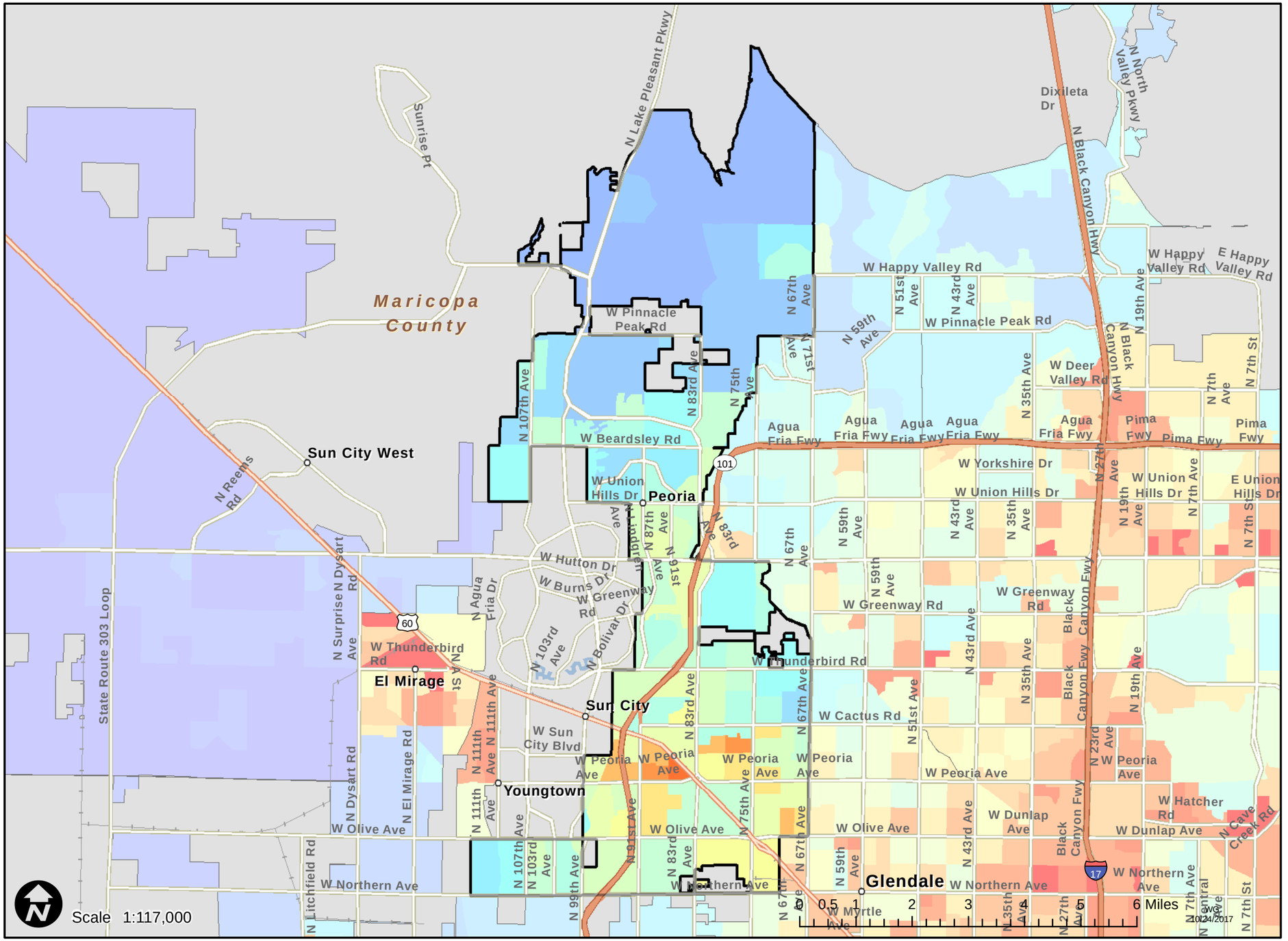
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Peoria - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.519 |
| Population Size Class: | 100,001 and higher |
| Priority Ranking within Population Size Class: | Number 5 out of 10 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 6.80% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.085 |
| Average Low Income Index: | 0.279 |
| Average Traffic Proximity Index: | 0.014 |
| Average Air Quality Index: | 0.808 |
| Average Heat and Developed Imperviousness Index: | 0.516 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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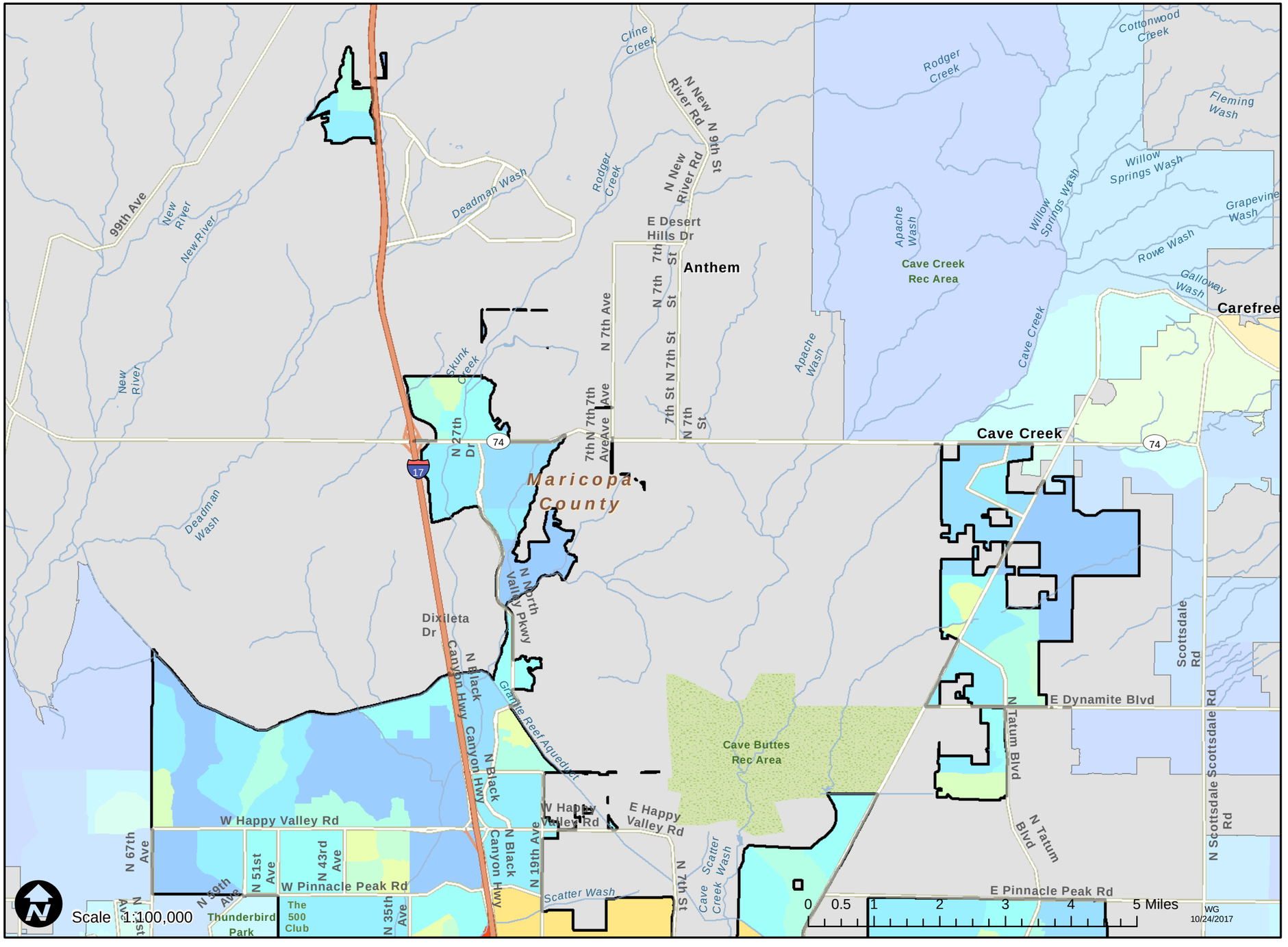
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

JWC 10/24/2017

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Phoenix (North) - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.629 |
| Population Size Class: | 100,001 and higher |
| Priority Ranking within Population Size Class: | Number 1 out of 10 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 6.00% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.123 |
| Average Low Income Index: | 0.433 |
| Average Traffic Proximity Index: | 0.083 |
| Average Air Quality Index: | 0.910 |
| Average Heat and Developed Imperviousness Index: | 0.600 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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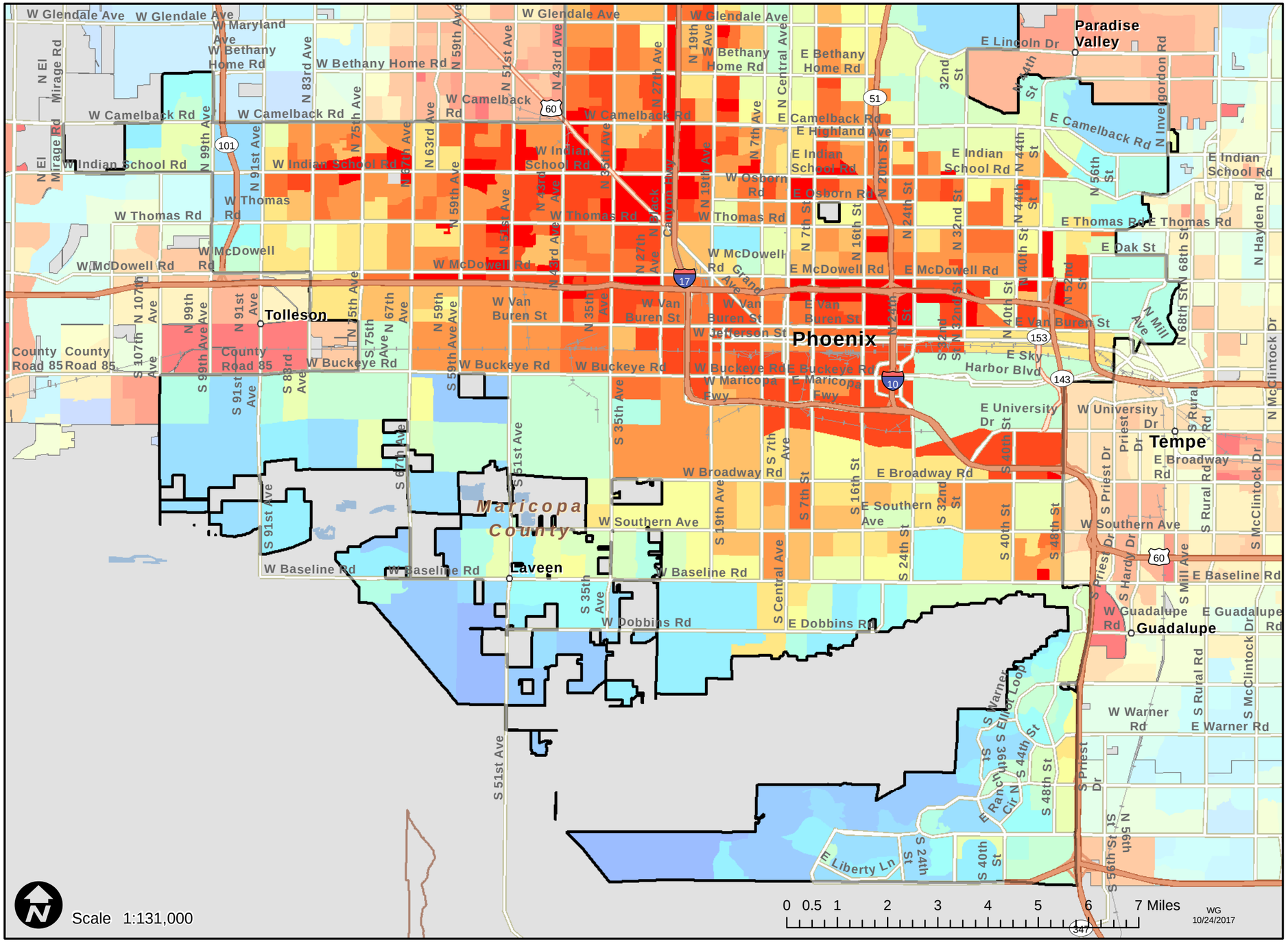
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Phoenix (Central) - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.629 |
| Population Size Class: | 100,001 and higher |
| Priority Ranking within Population Size Class: | Number 1 out of 10 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 6.00% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.123 |
| Average Low Income Index: | 0.433 |
| Average Traffic Proximity Index: | 0.083 |
| Average Air Quality Index: | 0.910 |
| Average Heat and Developed Imperviousness Index: | 0.600 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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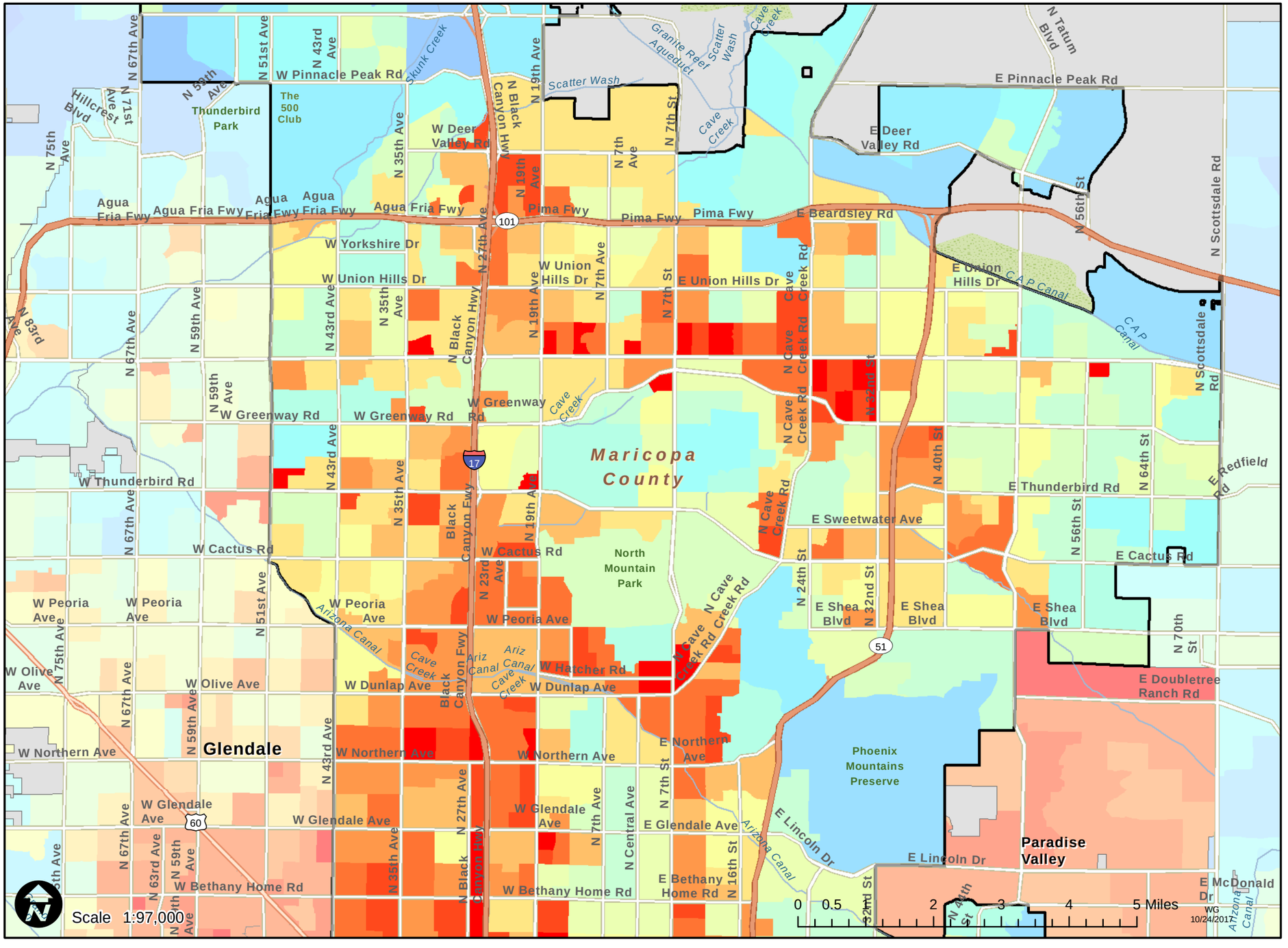
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Phoenix (South) - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.629 |
| Population Size Class: | 100,001 and higher |
| Priority Ranking within Population Size Class: | Number 1 out of 10 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 6.00% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.123 |
| Average Low Income Index: | 0.433 |
| Average Traffic Proximity Index: | 0.083 |
| Average Air Quality Index: | 0.910 |
| Average Heat and Developed Imperviousness Index: | 0.600 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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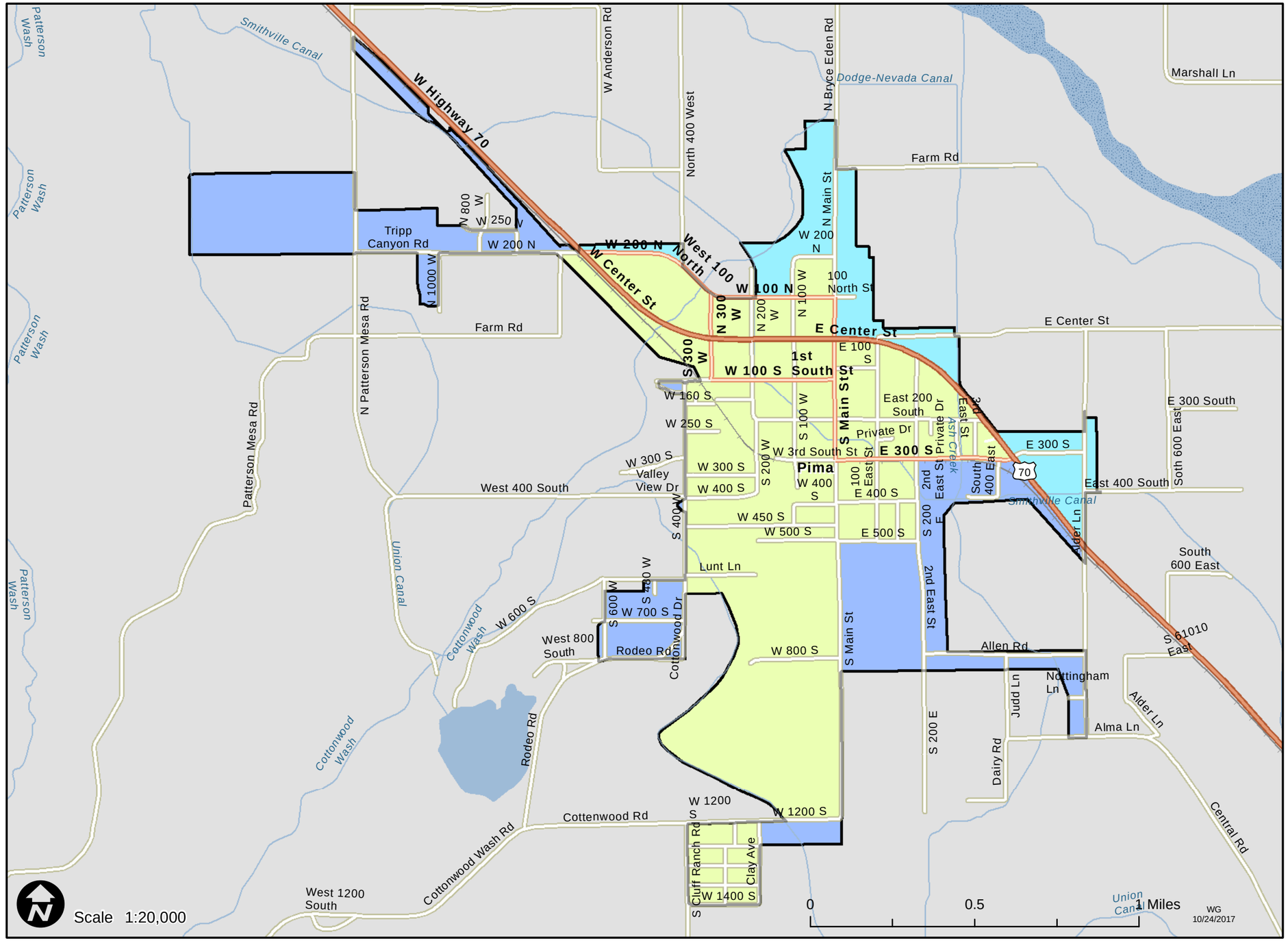
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Pima - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.458 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 15 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 4.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.007 |
| Average Low Income Index: | 0.457 |
| Average Traffic Proximity Index: | 0.000 |
| Average Air Quality Index: | 0.387 |
| Average Heat and Developed Imperviousness Index: | 0.136 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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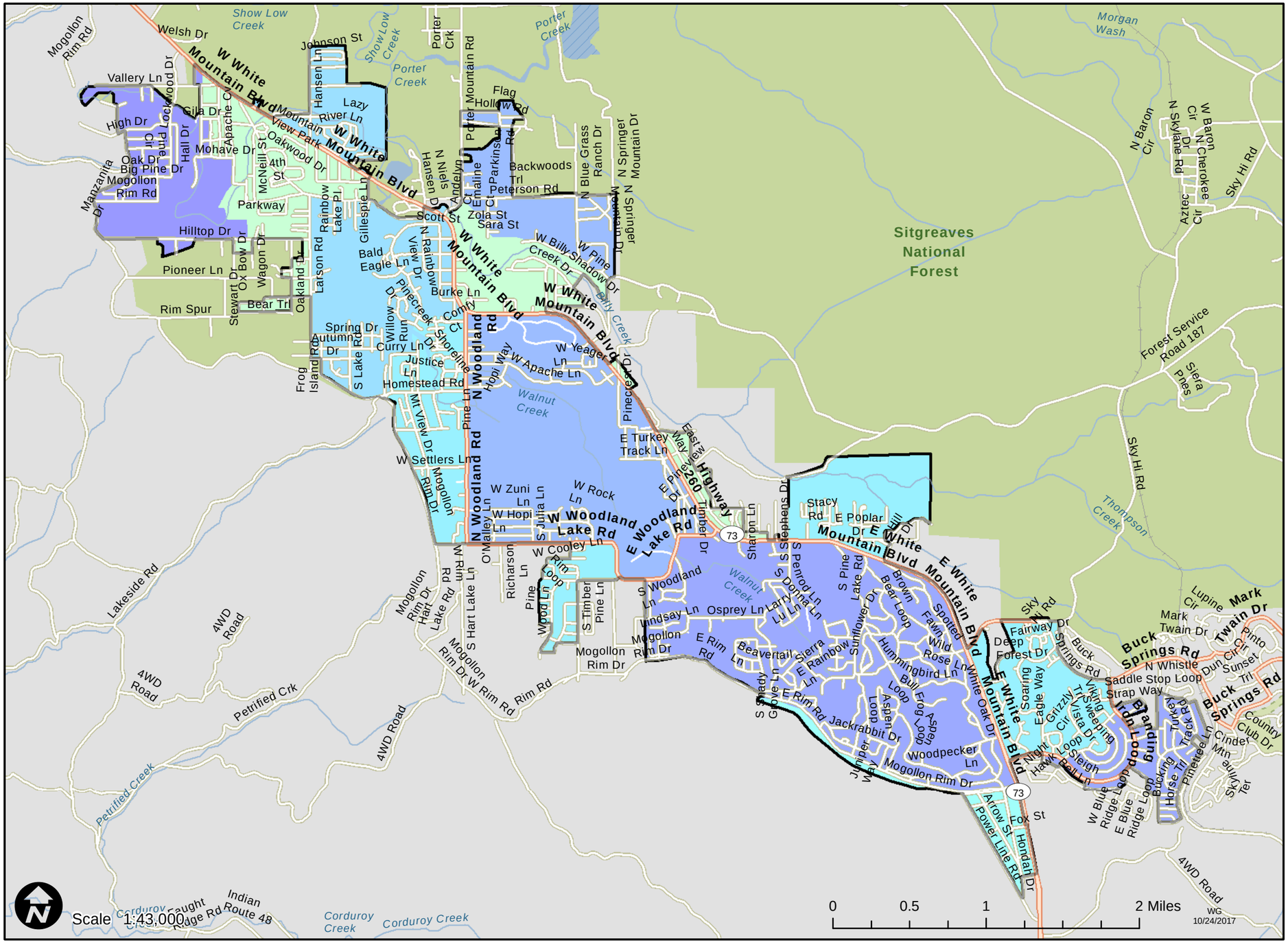
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Pinetop-Lakeside - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.400 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 21 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 28.80% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.009 |
| Average Low Income Index: | 0.321 |
| Average Traffic Proximity Index: | 0.005 |
| Average Air Quality Index: | 0.359 |
| Average Heat and Developed Imperviousness Index: | 0.072 |

Analysis Area: Census Urbanized Area 2010

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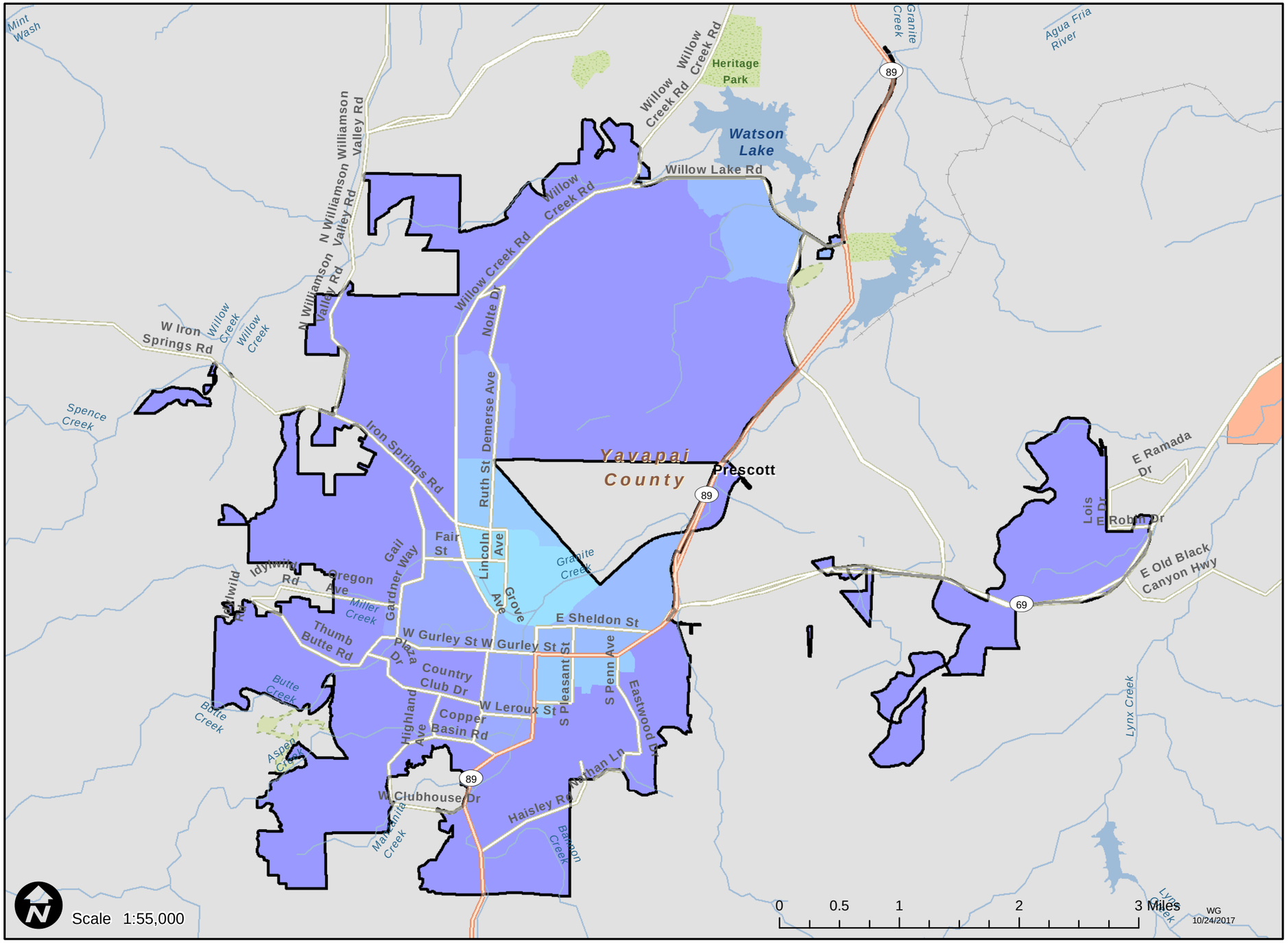
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Prescott - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.214 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 24 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 15.80% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.030 |
| Average Low Income Index: | 0.354 |
| Average Traffic Proximity Index: | 0.002 |
| Average Air Quality Index: | 0.432 |
| Average Heat and Developed Imperviousness Index: | 0.242 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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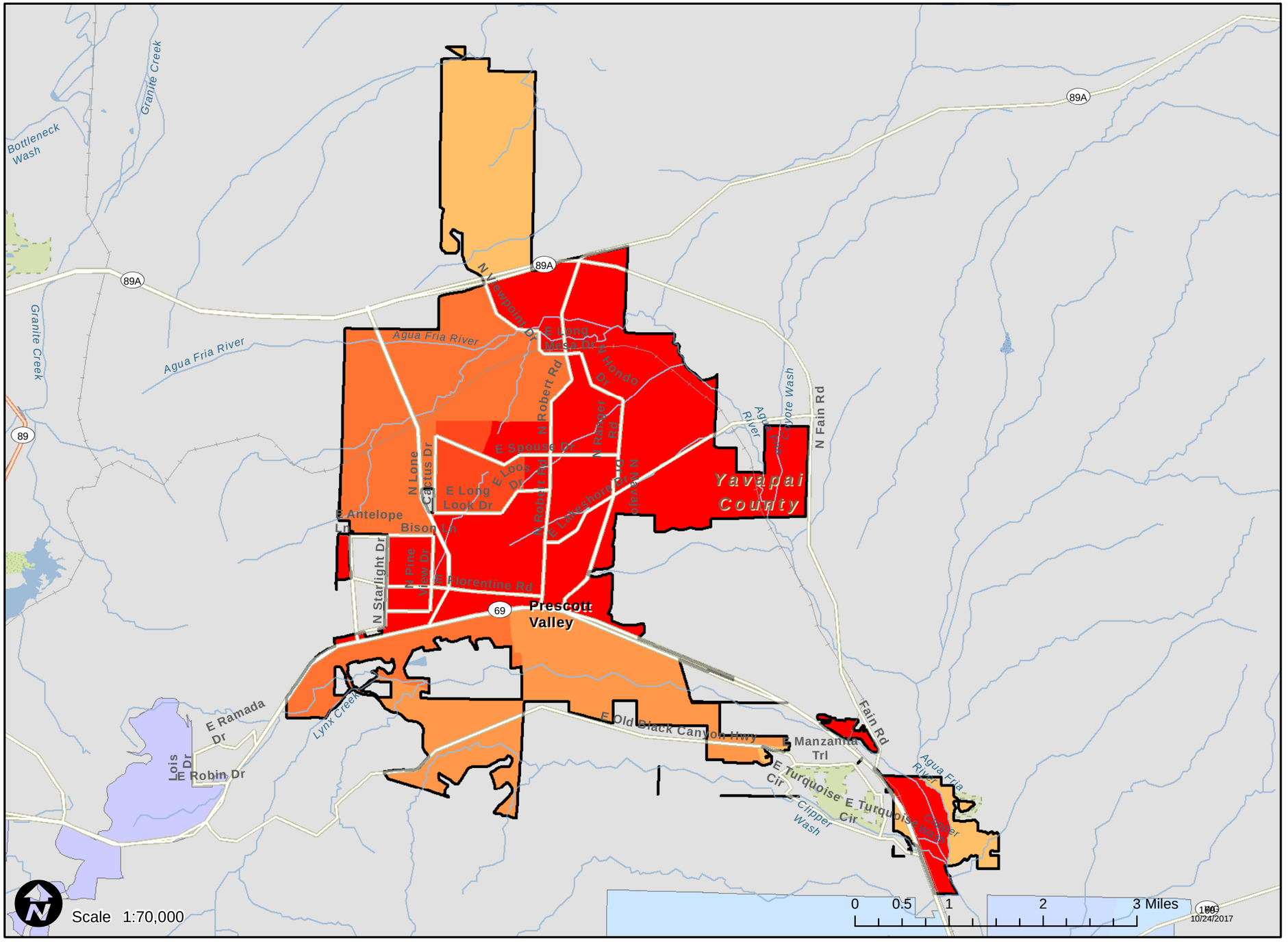
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Prescott Valley - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.801 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 3 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.26% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.049 |
| Average Low Income Index: | 0.433 |
| Average Traffic Proximity Index: | 0.005 |
| Average Air Quality Index: | 0.503 |
| Average Heat and Developed Imperviousness Index: | 0.177 |

Analysis Area: ASLD Incorporated Areas 2013

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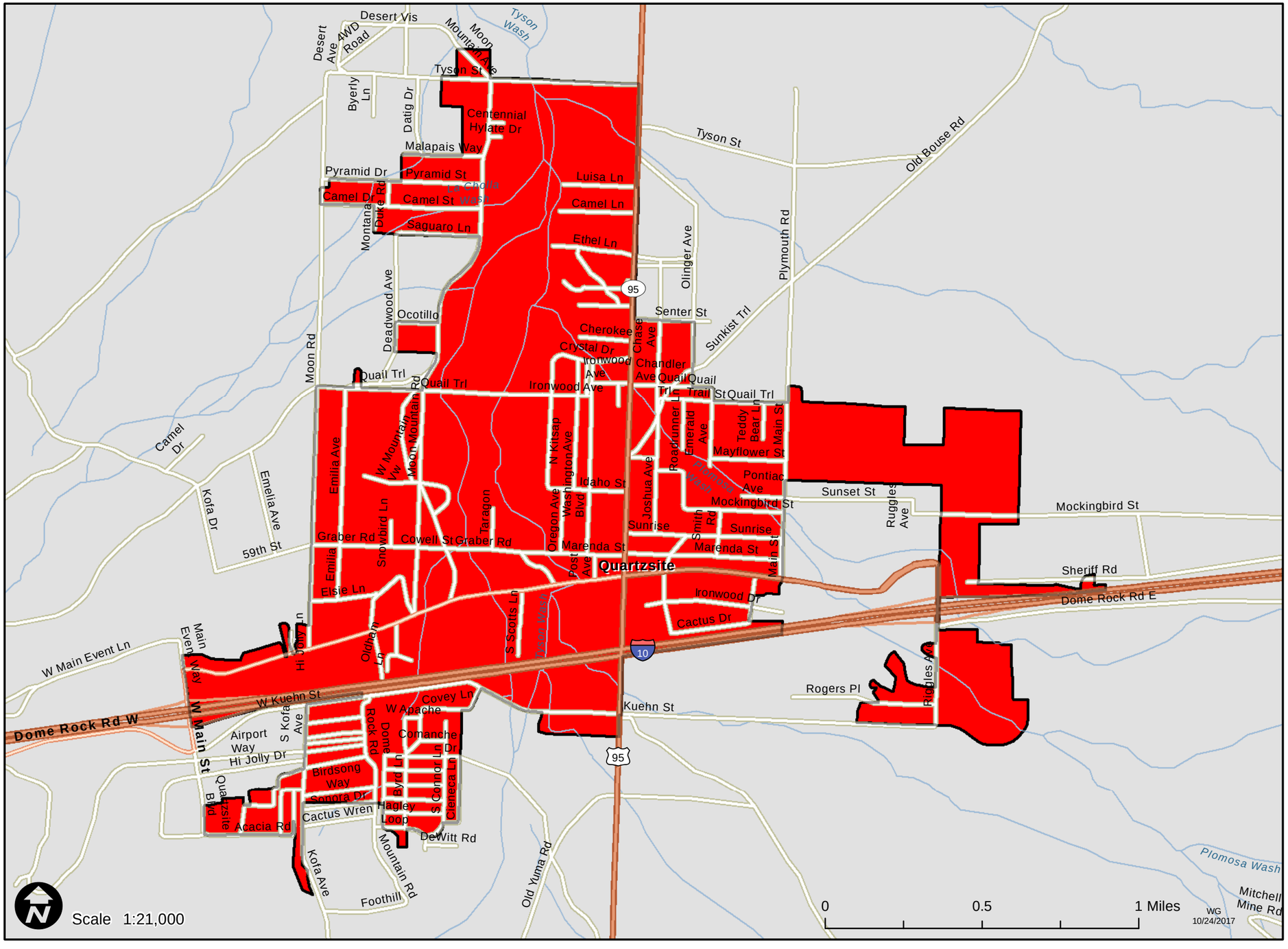
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Quartzsite - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.867 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 1 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 5.01% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.000 |
| Average Low Income Index: | 0.440 |
| Average Traffic Proximity Index: | 0.014 |
| Average Air Quality Index: | 0.000 |
| Average Heat and Developed Imperviousness Index: | 0.365 |
| Analysis Area: Census Urbanized Area 2010 | |

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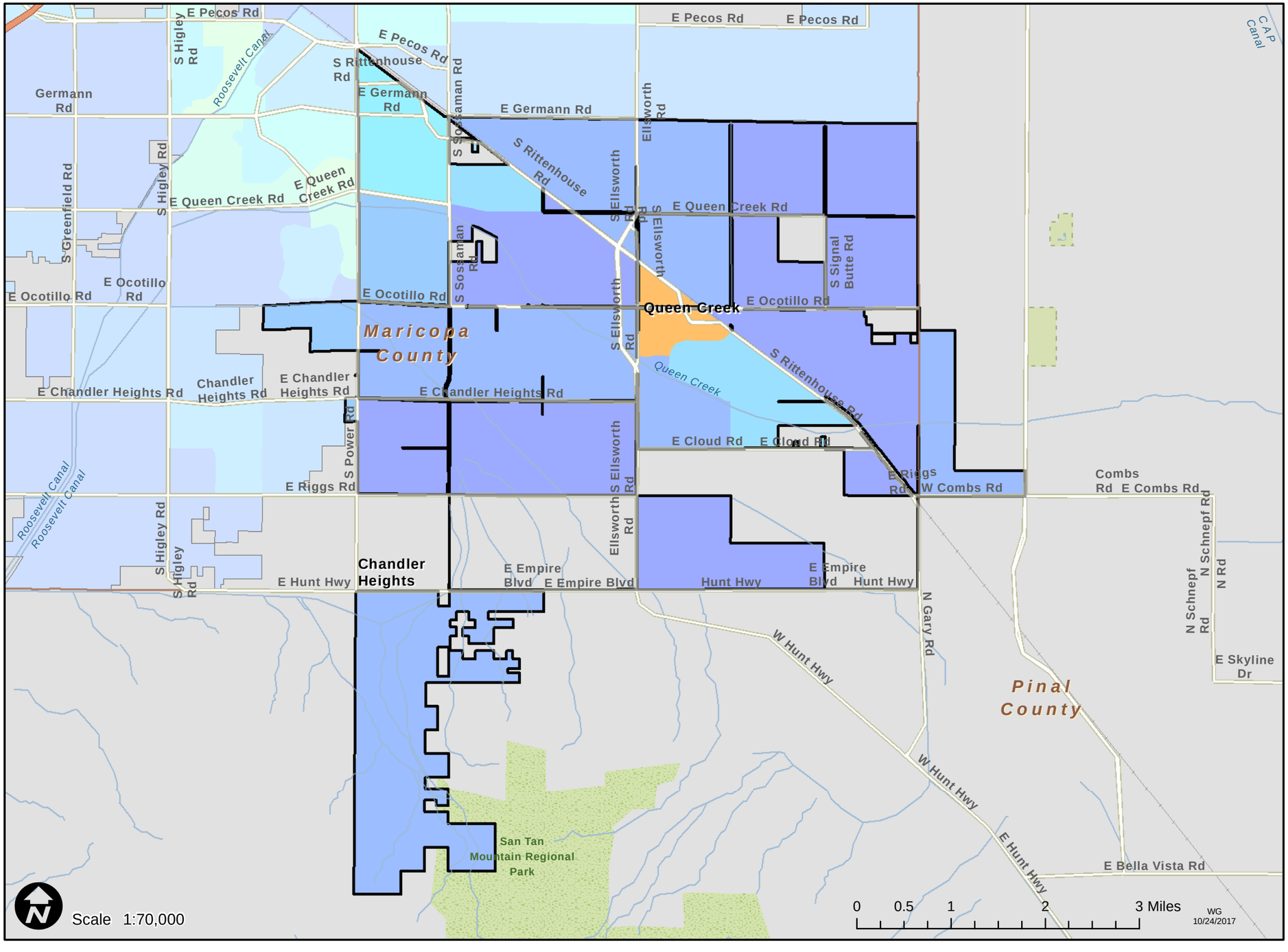
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Queen Creek - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.374 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 18 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 5.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.030 |
| Average Low Income Index: | 0.228 |
| Average Traffic Proximity Index: | 0.002 |
| Average Air Quality Index: | 0.684 |
| Average Heat and Developed Imperviousness Index: | 0.165 |

Analysis Area: ASLD Incorporated Areas 2013

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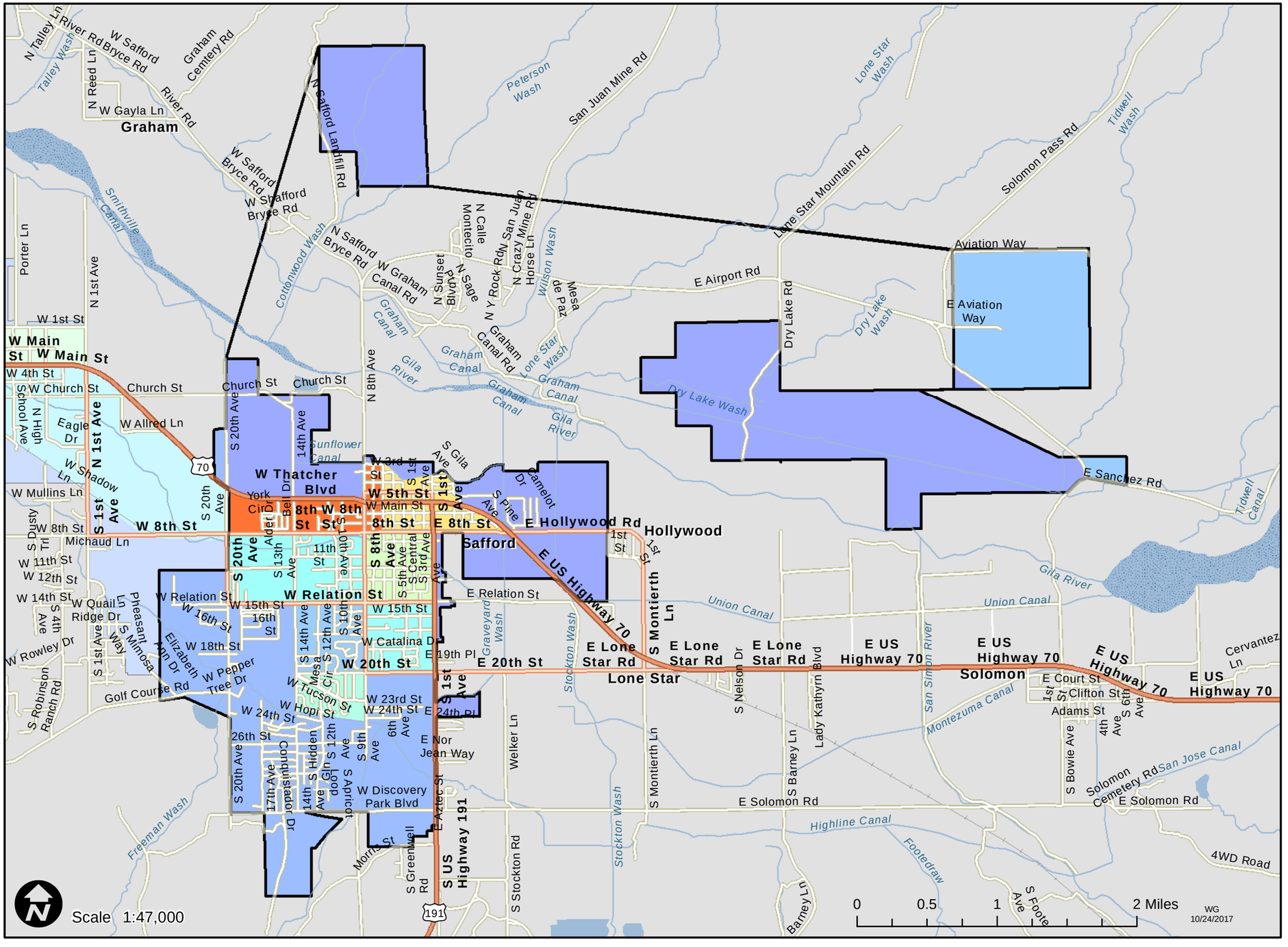
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Safford - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.423 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 12 out of 16 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 5.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.030 |
| Average Low Income Index: | 0.411 |
| Average Traffic Proximity Index: | 0.000 |
| Average Air Quality Index: | 0.449 |
| Average Heat and Developed Imperviousness Index: | 0.261 |

Analysis Area: Census Urbanized Area 2010

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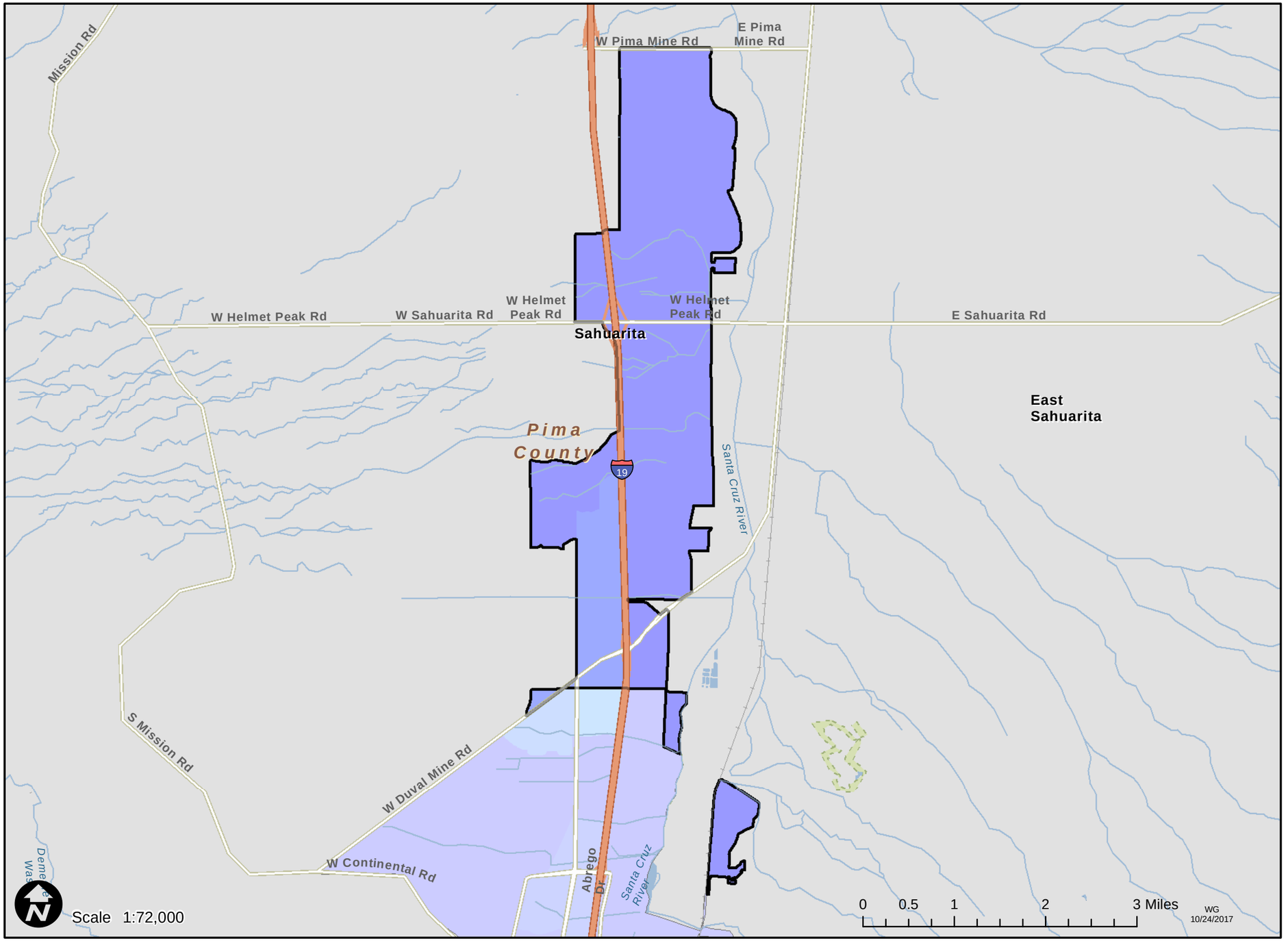
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Sahuarita - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.190 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 26 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 11.50% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.018 |
| Average Low Income Index: | 0.301 |
| Average Traffic Proximity Index: | 0.008 |
| Average Air Quality Index: | 0.353 |
| Average Heat and Developed Imperviousness Index: | 0.160 |

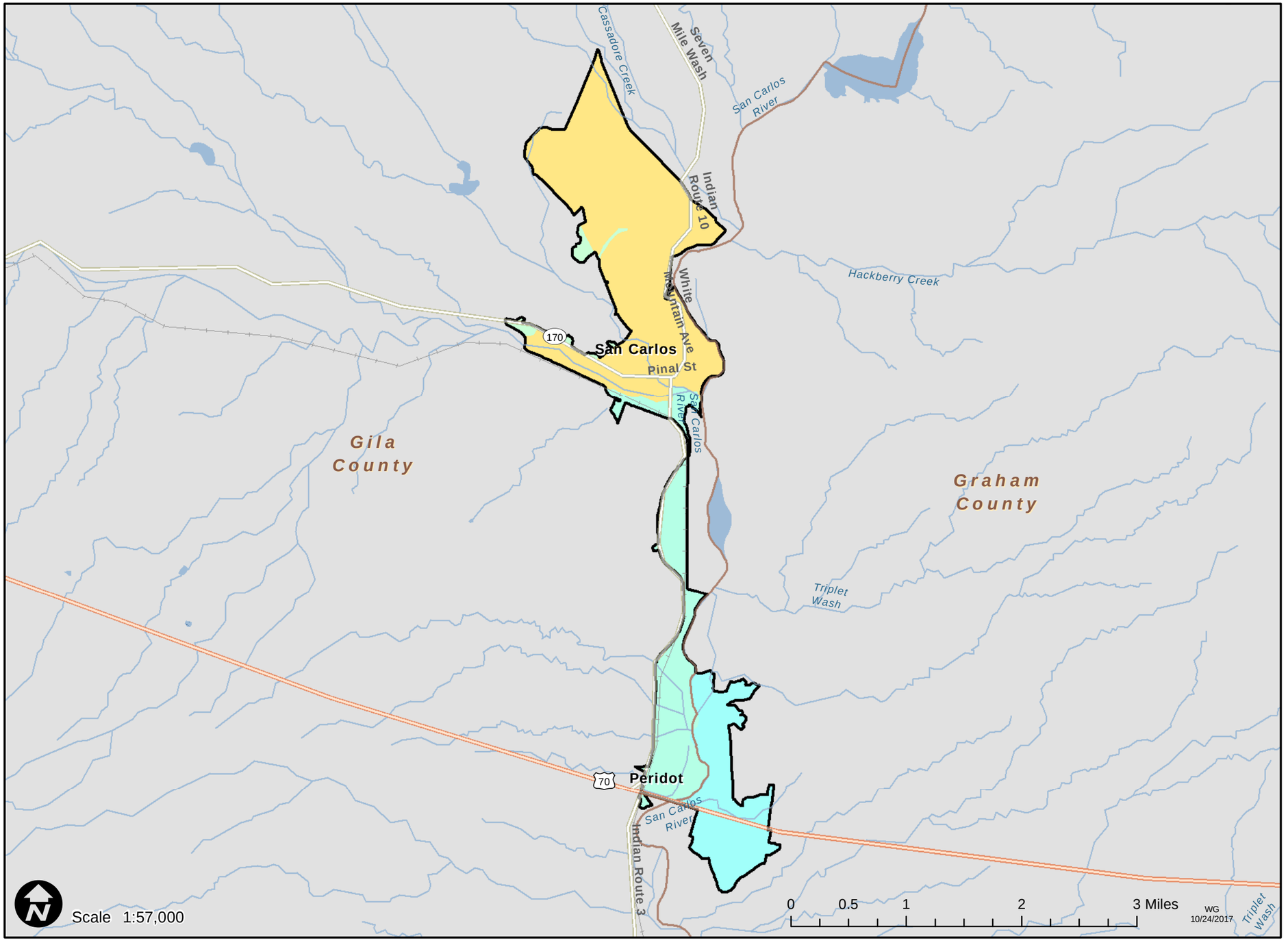
Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

**The Department makes no warranties, expressed or implied, with respect to the information shown on this map.**
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# San Carlos - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.532 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 7 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 5.25% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.002 |
| Average Low Income Index: | 0.689 |
| Average Traffic Proximity Index: | 0.001 |
| Average Air Quality Index: | 0.412 |
| Average Heat and Developed Imperviousness Index: | 0.078 |

Analysis Area: Census Urbanized Area 2010

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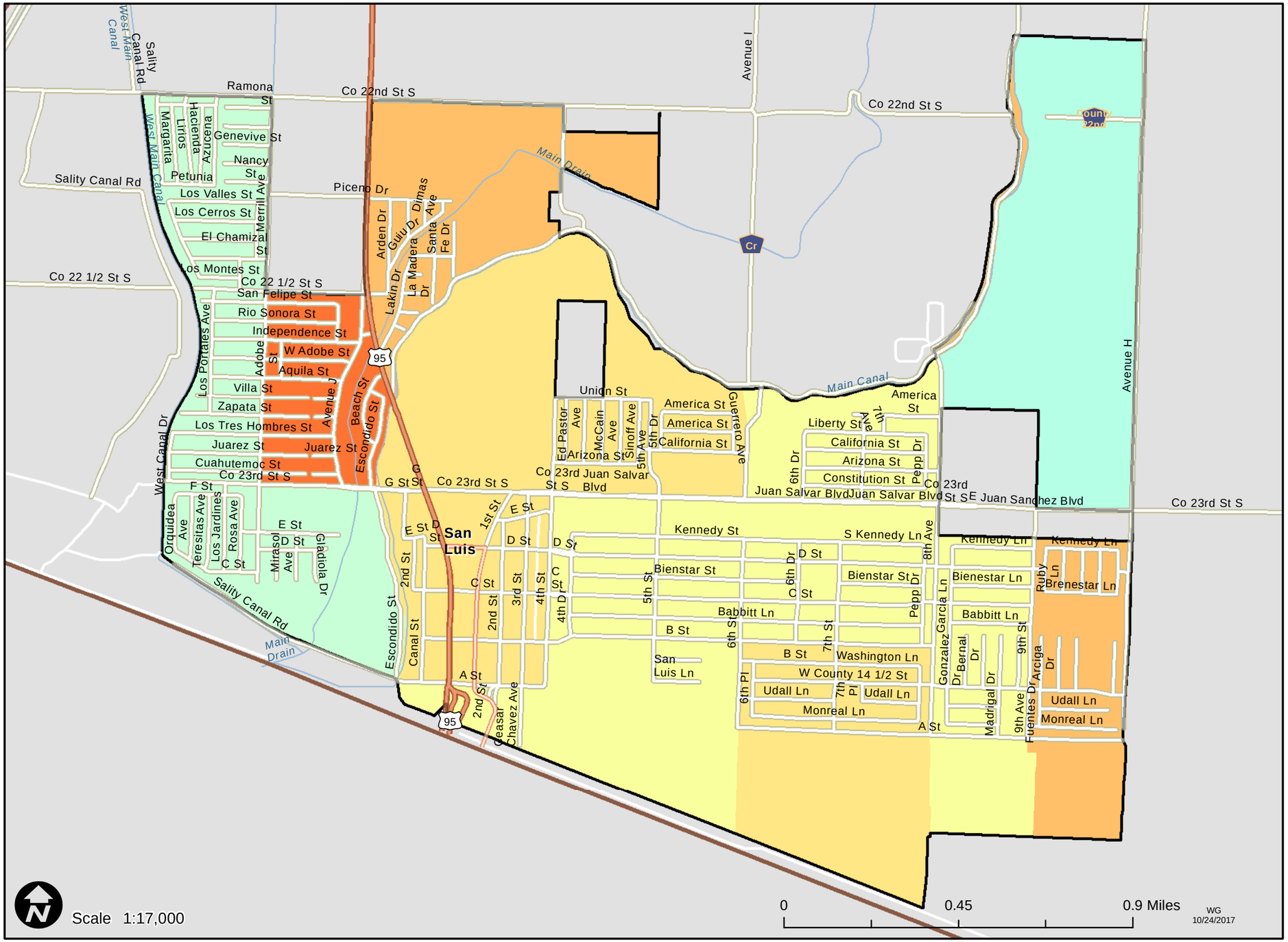
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# San Luis - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.601 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 9 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.092 |
| Average Low Income Index: | 0.736 |
| Average Traffic Proximity Index: | 0.002 |
| Average Air Quality Index: | 0.476 |
| Average Heat and Developed Imperviousness Index: | 0.321 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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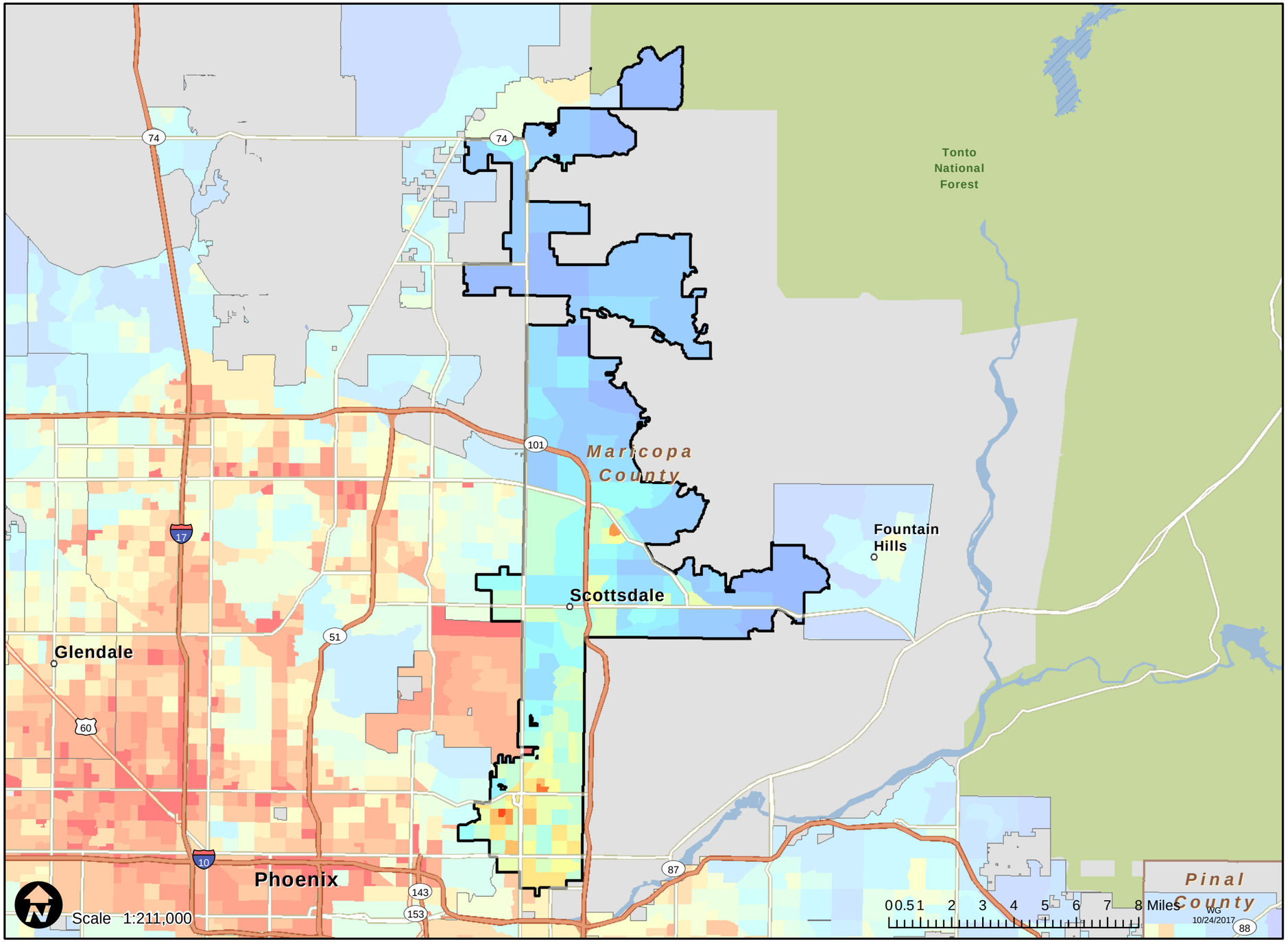
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Scottsdale - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.494 |
| Population Size Class: | 100,001 and higher |
| Priority Ranking within Population Size Class: | Number 7 out of 10 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 9.00% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.073 |
| Average Low Income Index: | 0.216 |
| Average Traffic Proximity Index: | 0.012 |
| Average Air Quality Index: | 0.896 |
| Average Heat and Developed Imperviousness Index: | 0.481 |
| Analysis Area: | ASLD incorporated area x Census Urbanized Area intersection |

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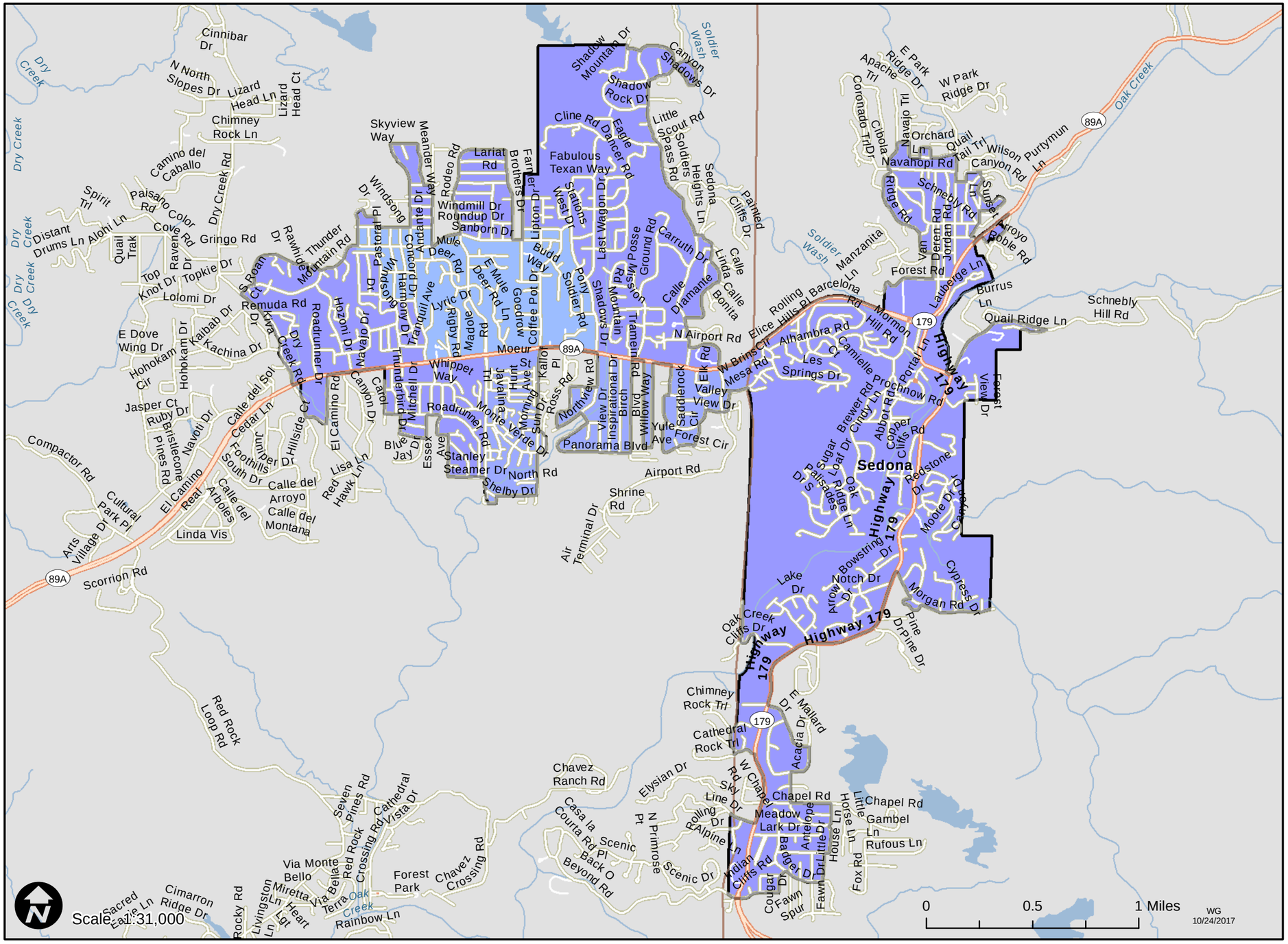
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Sedona - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.198 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 25 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 17.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.007 |
| Average Low Income Index: | 0.233 |
| Average Traffic Proximity Index: | 0.008 |
| Average Air Quality Index: | 0.508 |
| Average Heat and Developed Imperviousness Index: | 0.290 |

Analysis Area: Census Urbanized Area 2010

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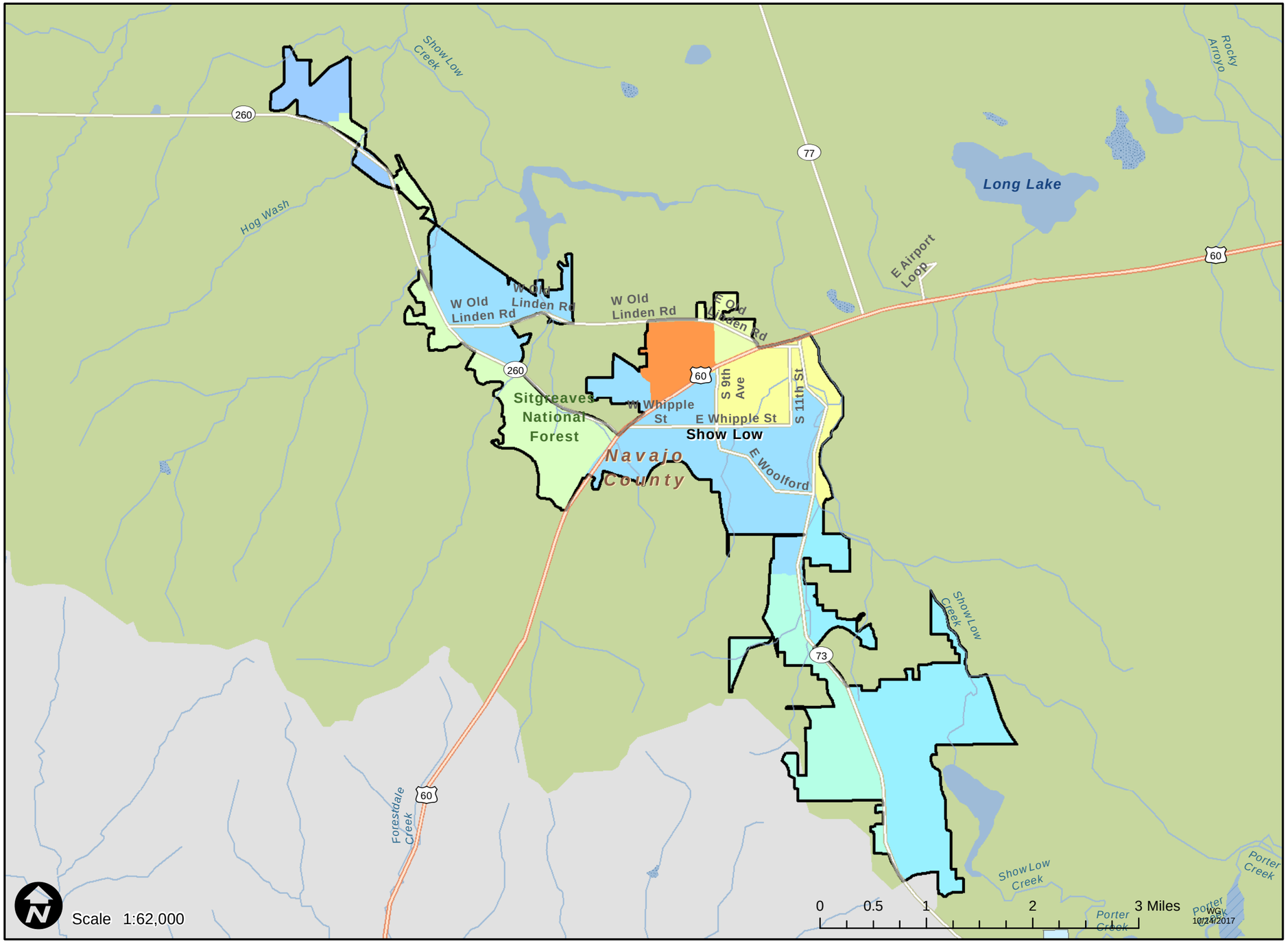
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Show Low - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.500 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 13 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 19.80% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.011 |
| Average Low Income Index: | 0.438 |
| Average Traffic Proximity Index: | 0.006 |
| Average Air Quality Index: | 0.383 |
| Average Heat and Developed Imperviousness Index: | 0.124 |

Analysis Area: Census Urbanized Area 2010

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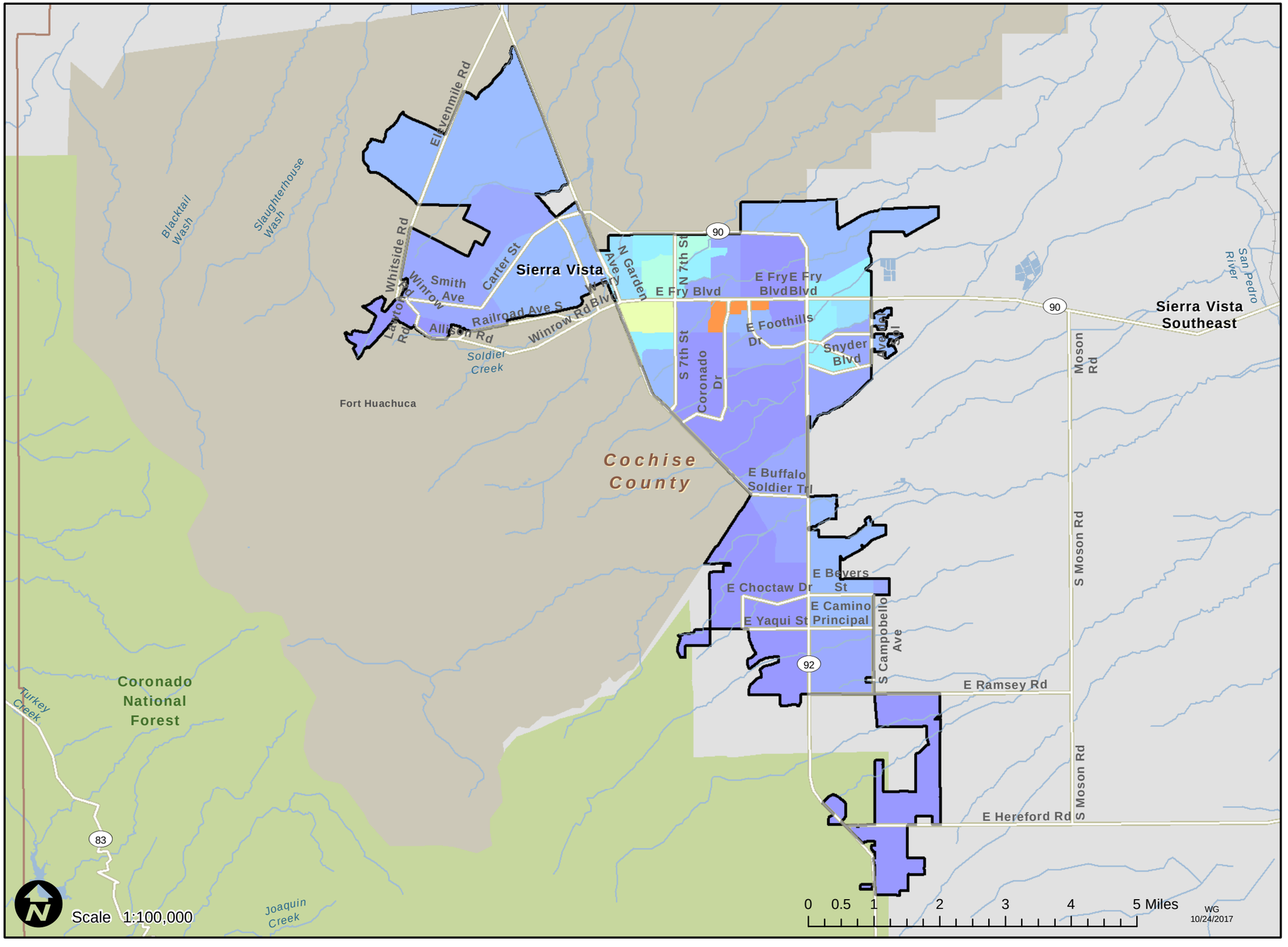
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Sierra Vista - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.335 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 20 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.25% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.050 |
| Average Low Income Index: | 0.368 |
| Average Traffic Proximity Index: | 0.001 |
| Average Air Quality Index: | 0.233 |
| Average Heat and Developed Imperviousness Index: | 0.273 |

Analysis Area: Census Urbanized Area 2010

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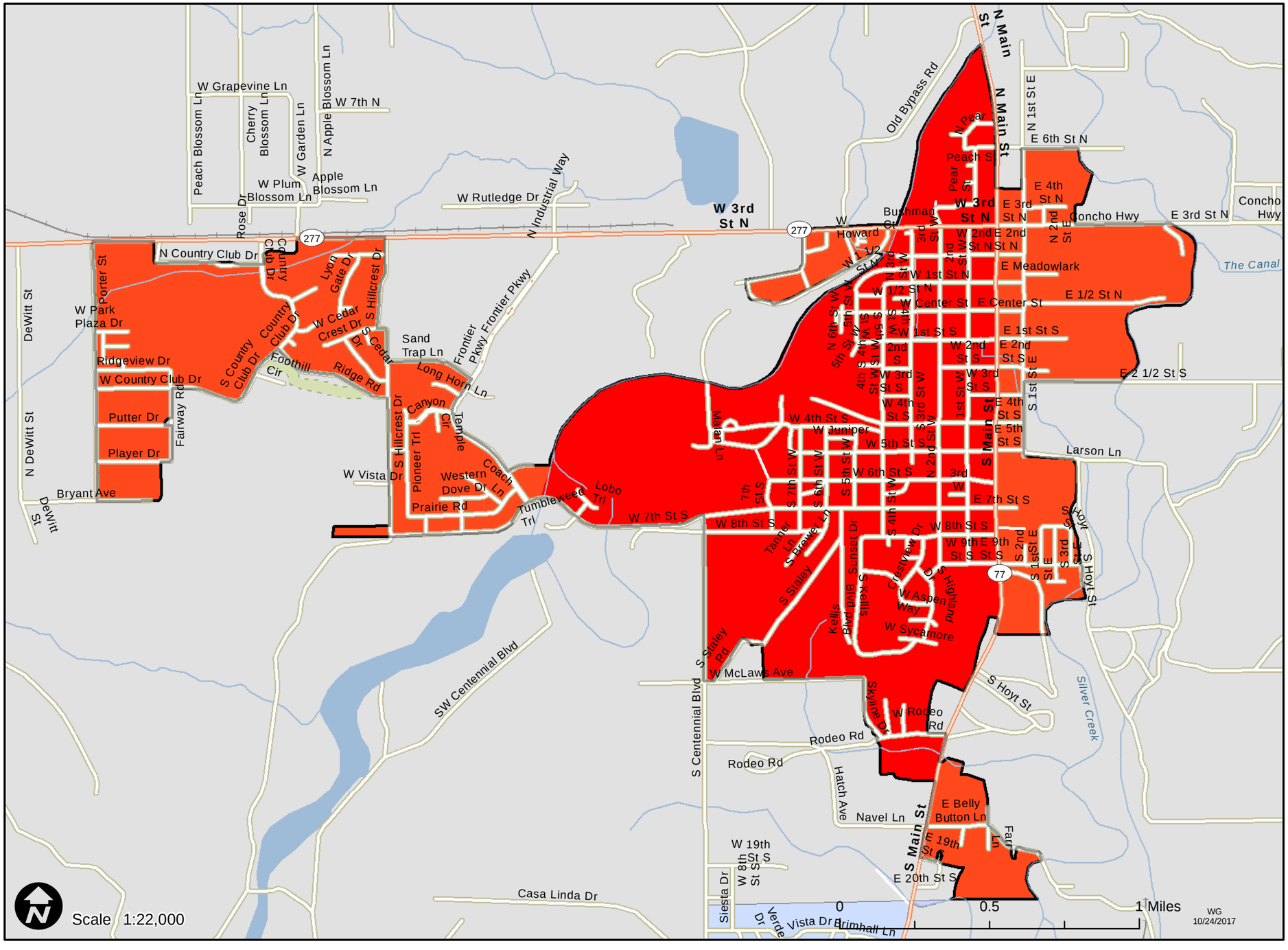
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Snowflake - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.781 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 2 out of 16 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 6.77% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.007 |
| Average Low Income Index: | 0.489 |
| Average Traffic Proximity Index: | 0.003 |
| Average Air Quality Index: | 0.466 |
| Average Heat and Developed Imperviousness Index: | 0.114 |

Analysis Area: Census Urbanized Area 2010

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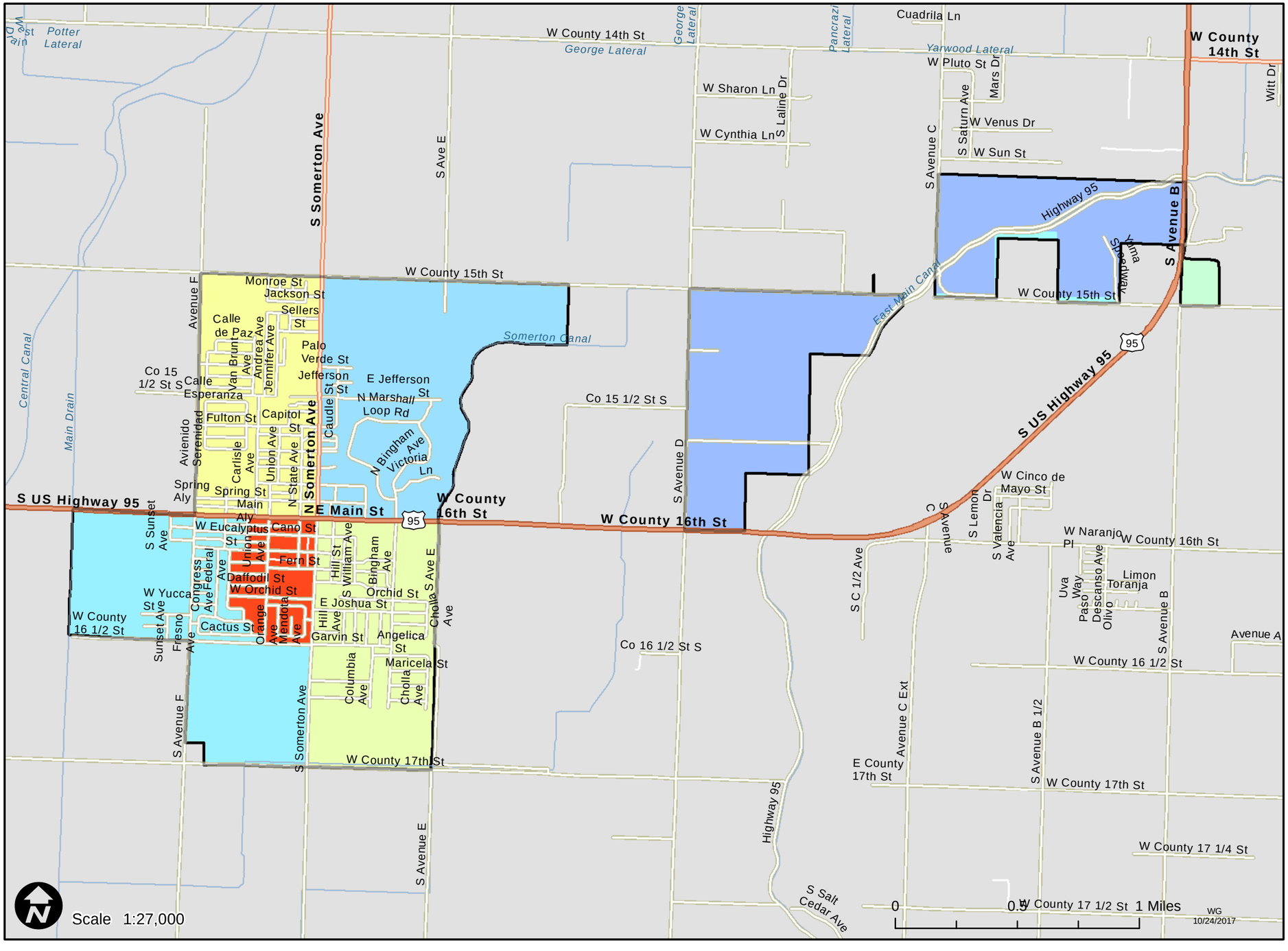
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Somerton - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.516 |
| Population Size Class: | 10,001 to 50,000 |
| Priority Ranking within Population Size Class: | Number 11 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.50% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.070 |
| Average Low Income Index: | 0.655 |
| Average Traffic Proximity Index: | 0.002 |
| Average Air Quality Index: | 0.496 |
| Average Heat and Developed Imperviousness Index: | 0.196 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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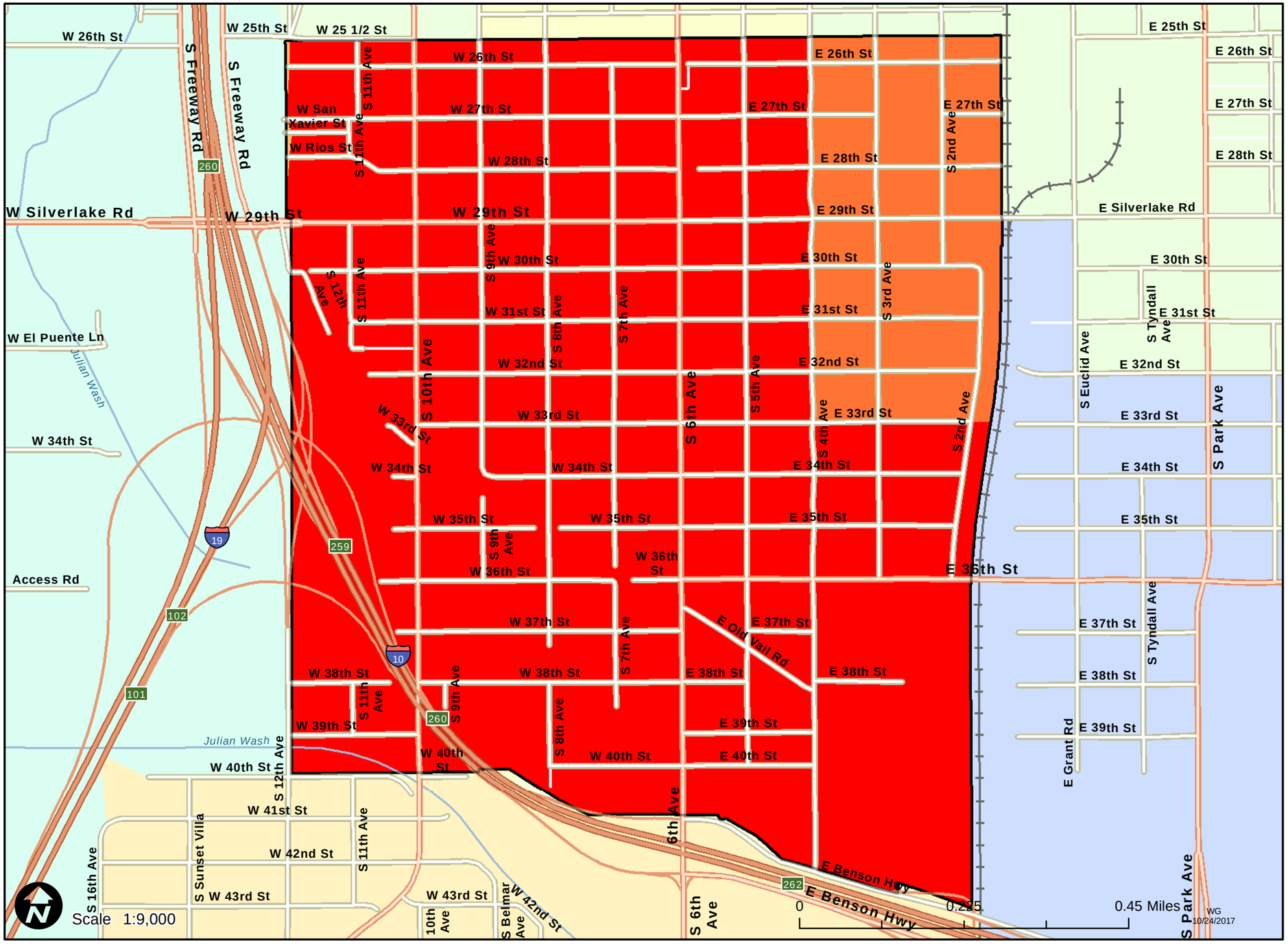
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# South Tucson - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.768 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 4 out of 16 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.080 |
| Average Low Income Index: | 0.723 |
| Average Traffic Proximity Index: | 0.139 |
| Average Air Quality Index: | 0.444 |
| Average Heat and Developed Imperviousness Index: | 0.536 |

Analysis Area: ASLD Incorporated Areas 2013

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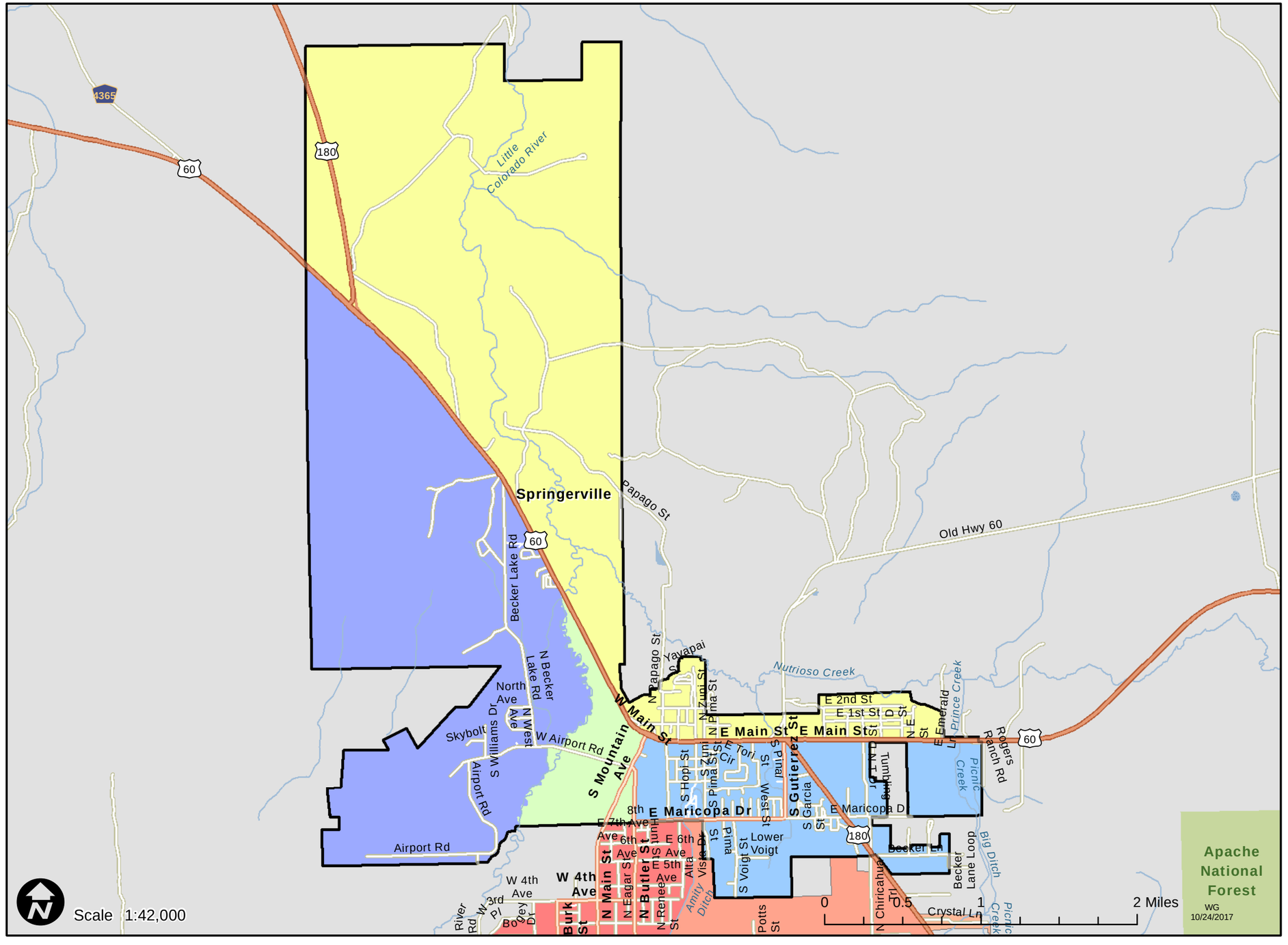
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Springerville - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.449 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 17 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 1.80% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.011 |
| Average Low Income Index: | 0.377 |
| Average Traffic Proximity Index: | 0.001 |
| Average Air Quality Index: | 0.414 |
| Average Heat and Developed Imperviousness Index: | 0.088 |

Analysis Area: ASLD Incorporated Areas 2013

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Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

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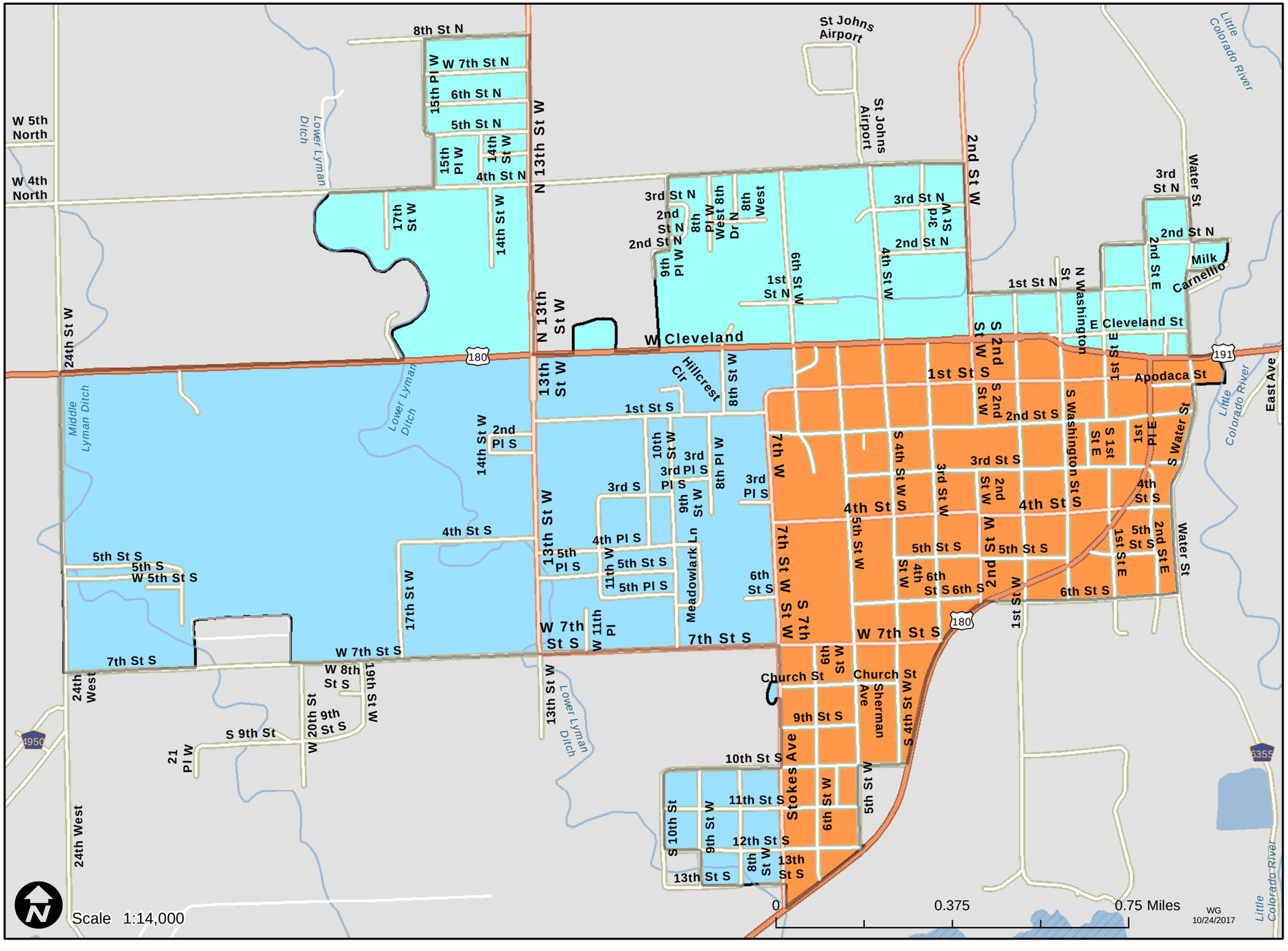
10/24/2017

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# St. Johns - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.526 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 8 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 6.80% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.009 |
| Average Low Income Index: | 0.470 |
| Average Traffic Proximity Index: | 0.002 |
| Average Air Quality Index: | 0.526 |
| Average Heat and Developed Imperviousness Index: | 0.183 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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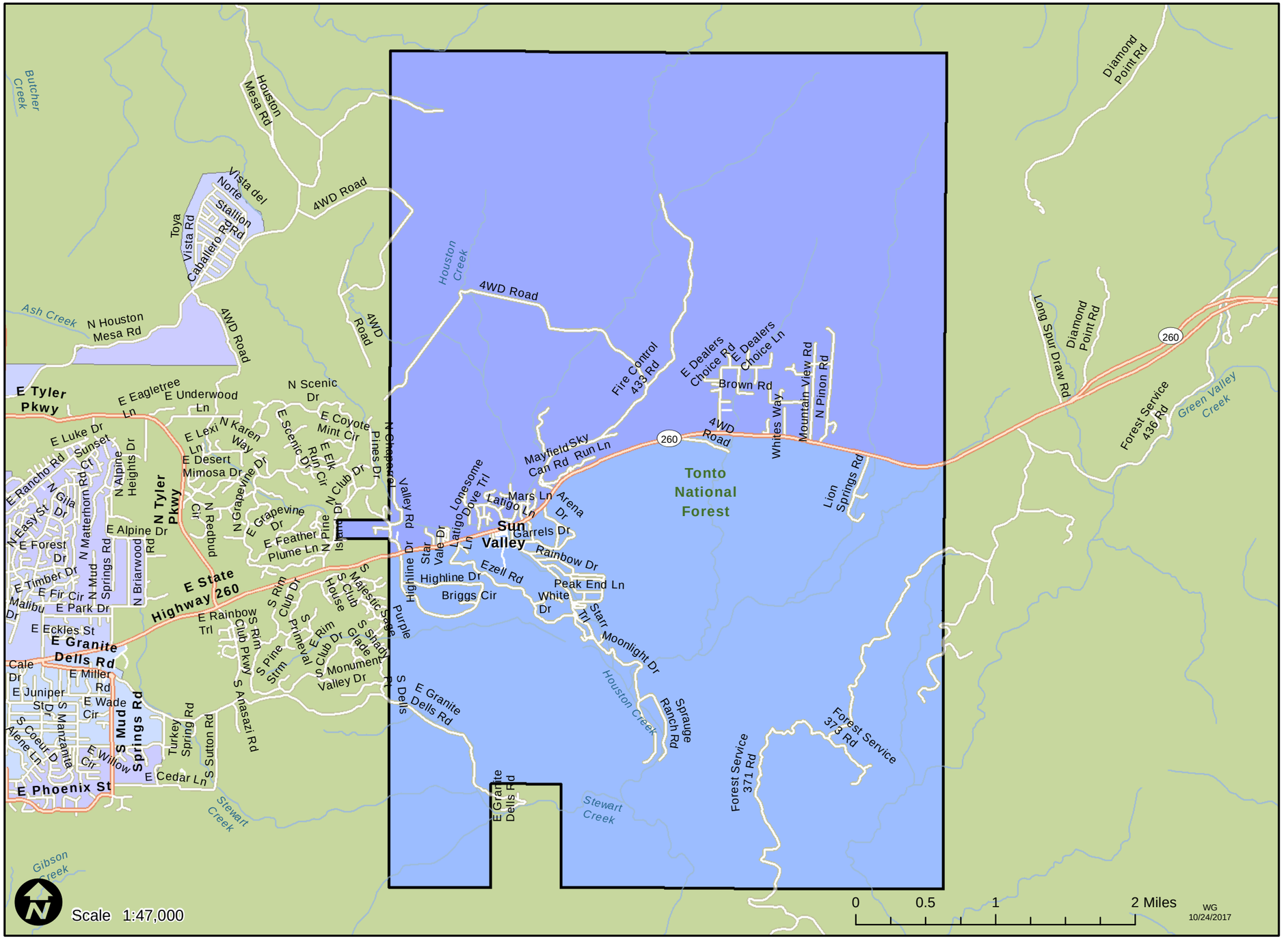
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Star Valley - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.319 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 26 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 6.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.001 |
| Average Low Income Index: | 0.282 |
| Average Traffic Proximity Index: | 0.003 |
| Average Air Quality Index: | 0.489 |
| Average Heat and Developed Imperviousness Index: | 0.013 |

Analysis Area: ASLD Incorporated Areas 2013

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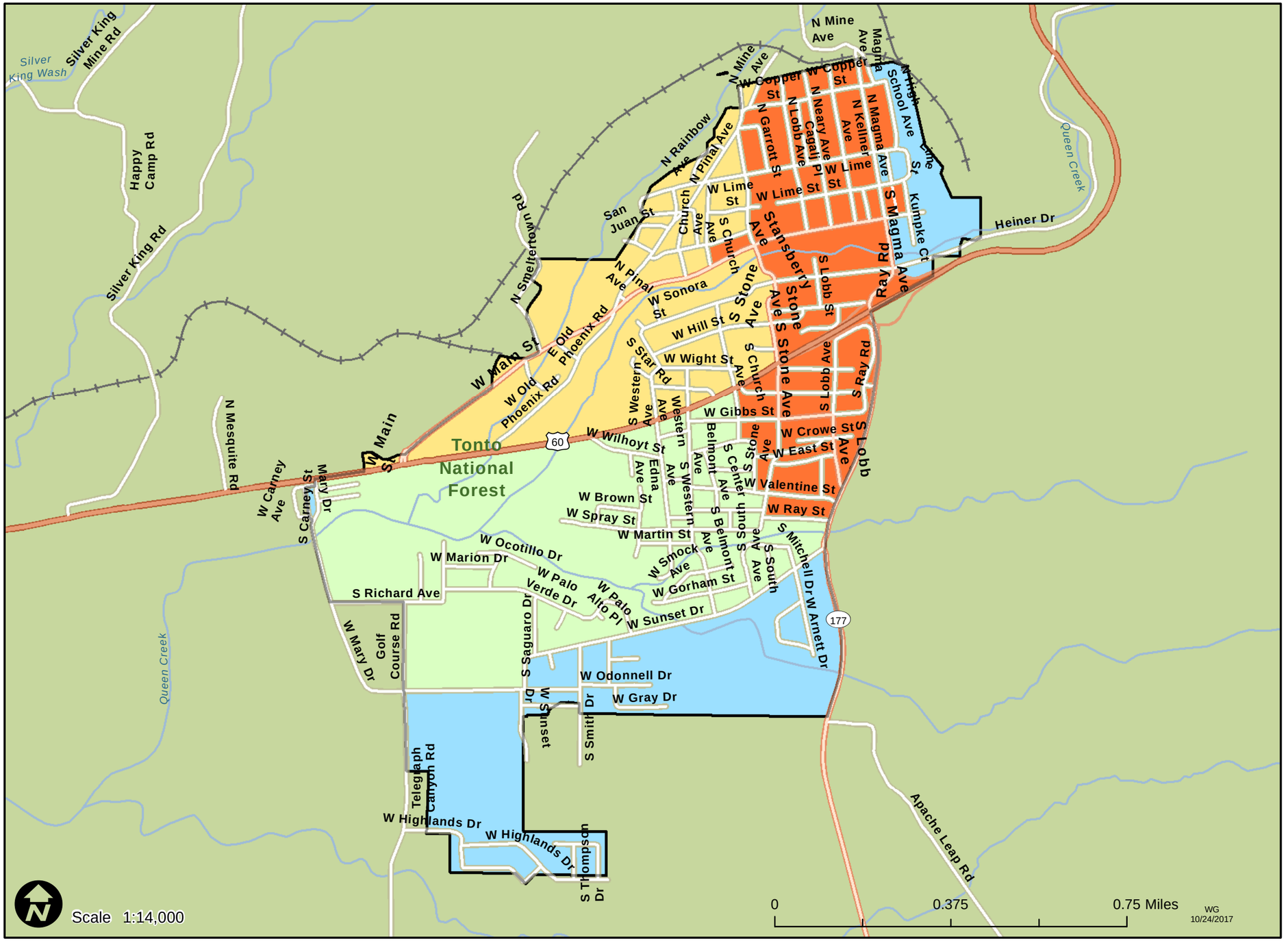
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Superior - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.581 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 4 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 7.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.031 |
| Average Low Income Index: | 0.464 |
| Average Traffic Proximity Index: | 0.007 |
| Average Air Quality Index: | 0.554 |
| Average Heat and Developed Imperviousness Index: | 0.280 |
| Analysis Area: | ASLD incorporated area x Census Urbanized Area intersection |

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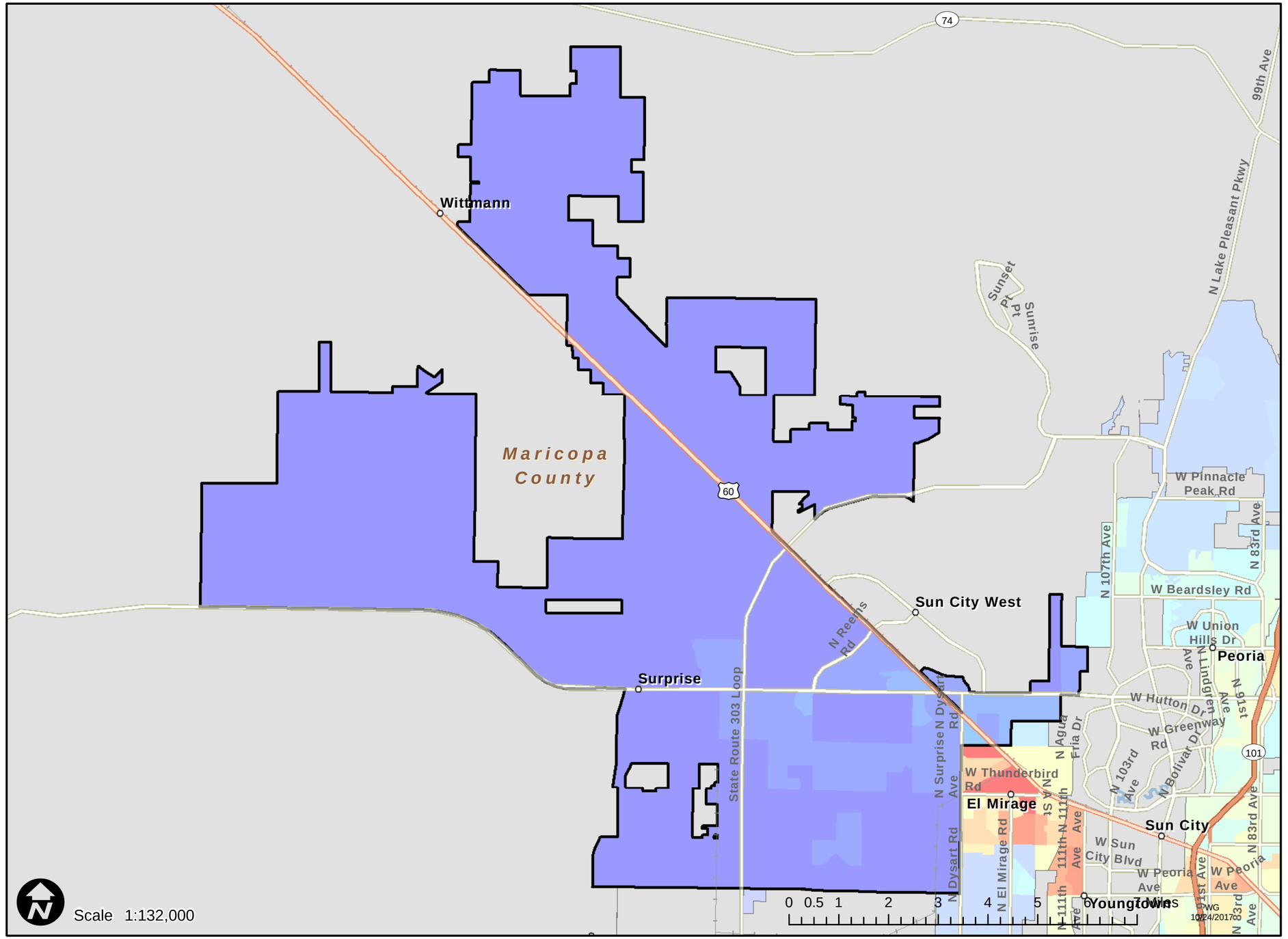
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Surprise - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.215 |
| Population Size Class: | 100,001 and higher |
| Priority Ranking within Population Size Class: | Number 10 out of 10 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 4.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.066 |
| Average Low Income Index: | 0.257 |
| Average Traffic Proximity Index: | 0.004 |
| Average Air Quality Index: | 0.594 |
| Average Heat and Developed Imperviousness Index: | 0.383 |
| Analysis Area: ASLD Incorporated Areas 2013 | |

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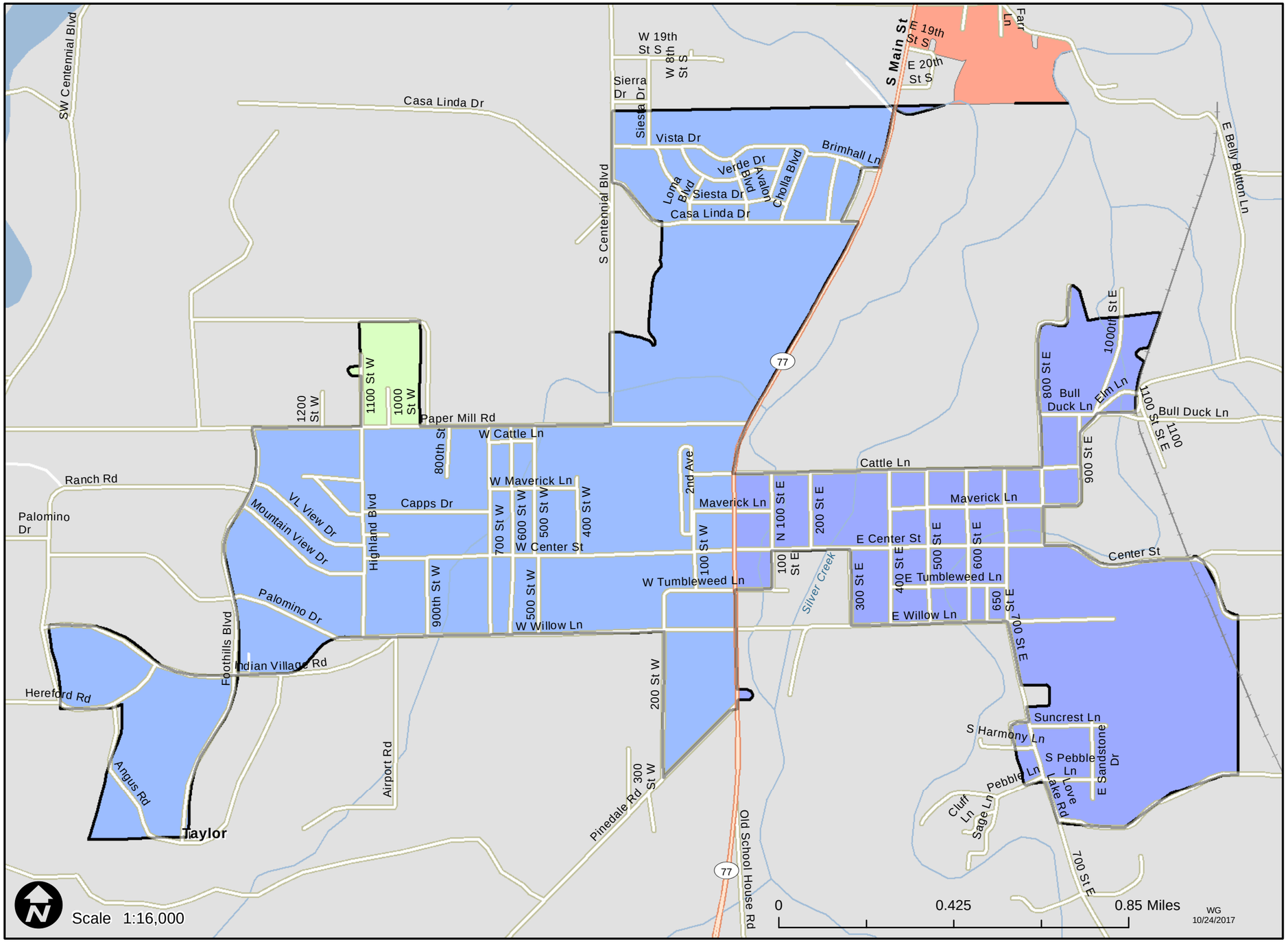
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Taylor - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.430 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 20 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.80% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.002 |
| Average Low Income Index: | 0.365 |
| Average Traffic Proximity Index: | 0.003 |
| Average Air Quality Index: | 0.467 |
| Average Heat and Developed Imperviousness Index: | 0.089 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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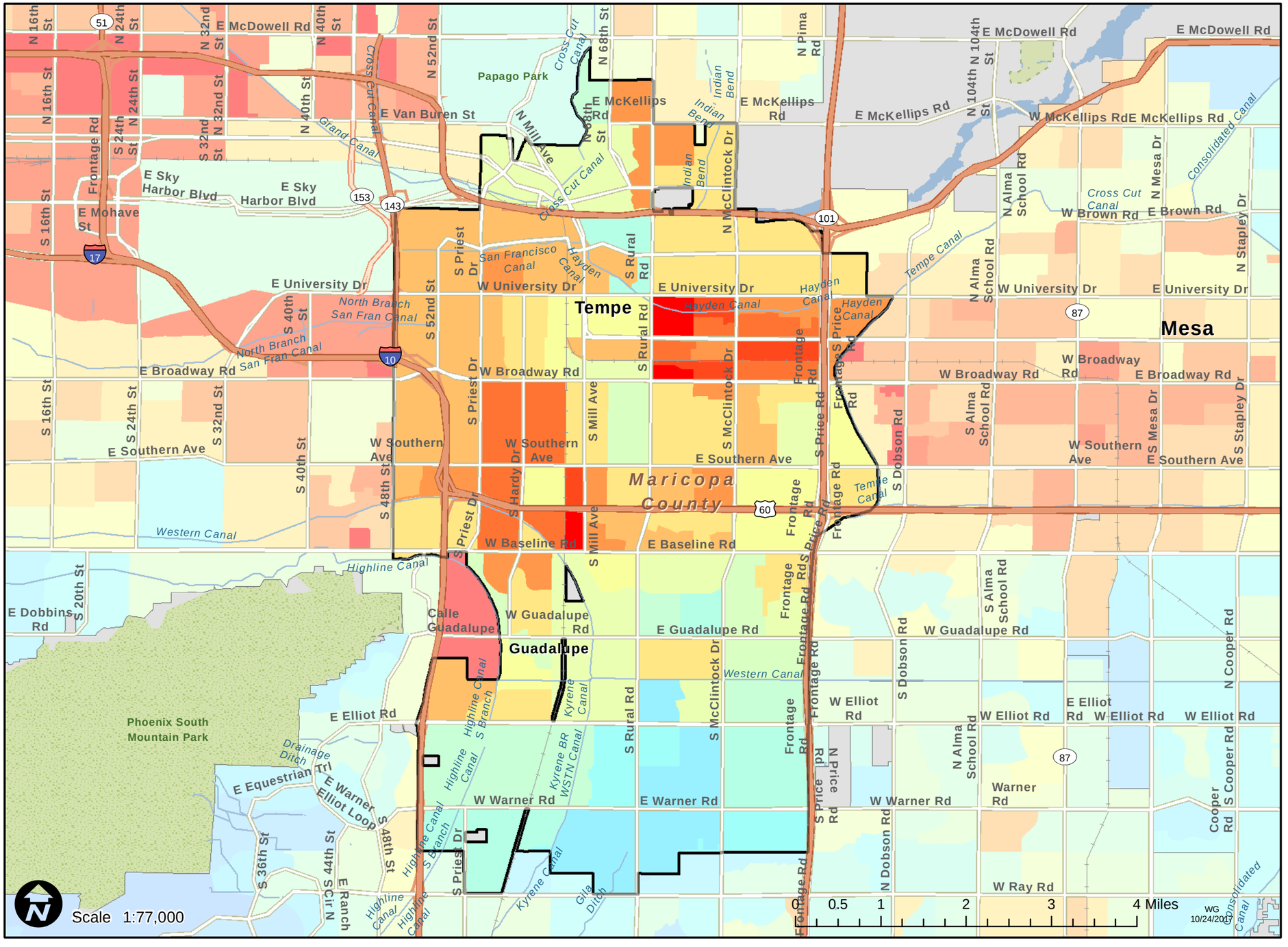
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Tempe - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.622 |
| Population Size Class: | 100,001 and higher |
| Priority Ranking within Population Size Class: | Number 2 out of 10 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 4.50% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.124 |
| Average Low Income Index: | 0.383 |
| Average Traffic Proximity Index: | 0.050 |
| Average Air Quality Index: | 0.850 |
| Average Heat and Developed Imperviousness Index: | 0.660 |

Analysis Area: ASLD Incorporated Areas 2013

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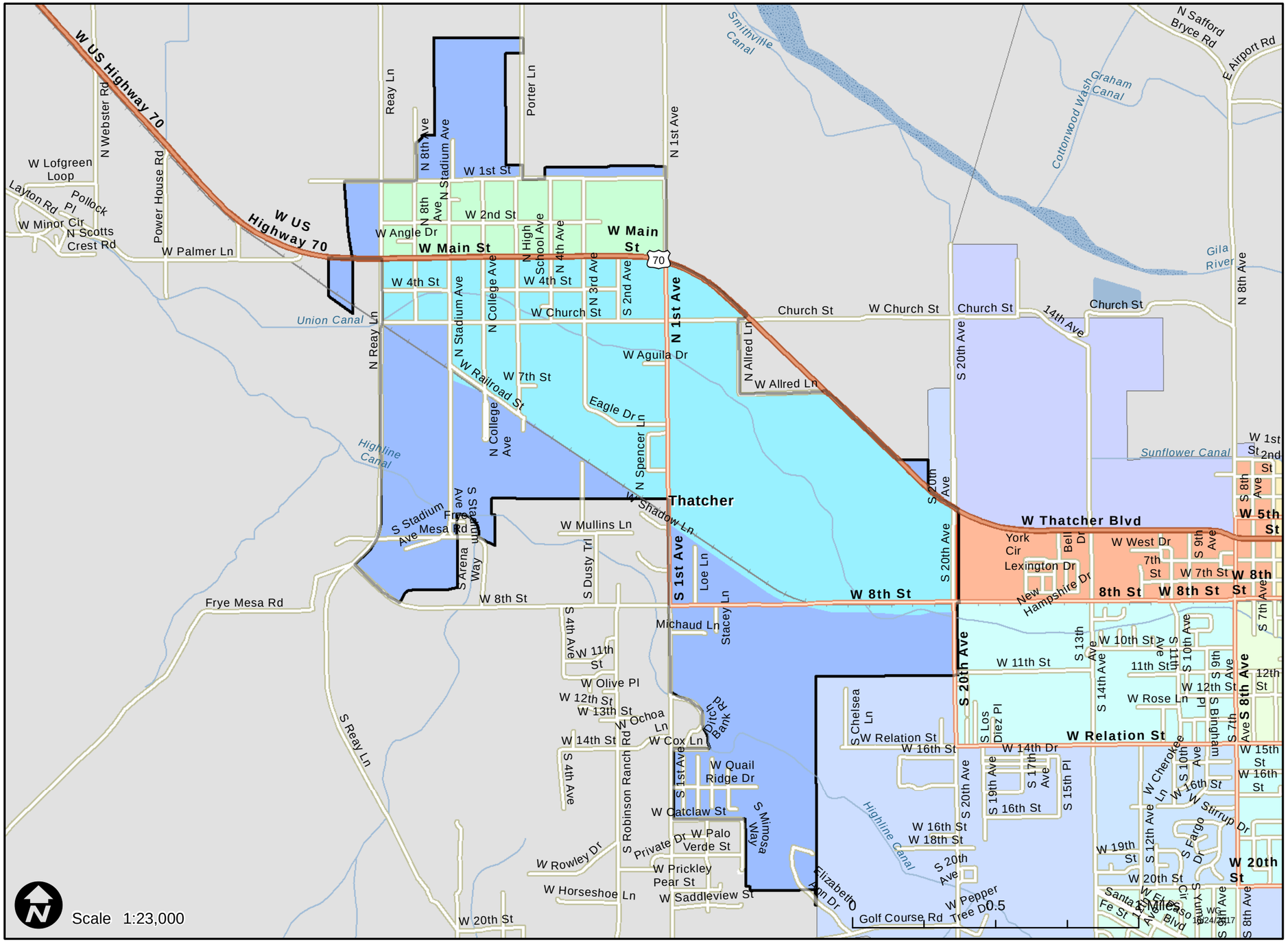
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Thatcher - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.442 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 10 out of 16 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.80% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.023 |
| Average Low Income Index: | 0.446 |
| Average Traffic Proximity Index: | 0.000 |
| Average Air Quality Index: | 0.452 |
| Average Heat and Developed Imperviousness Index: | 0.241 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

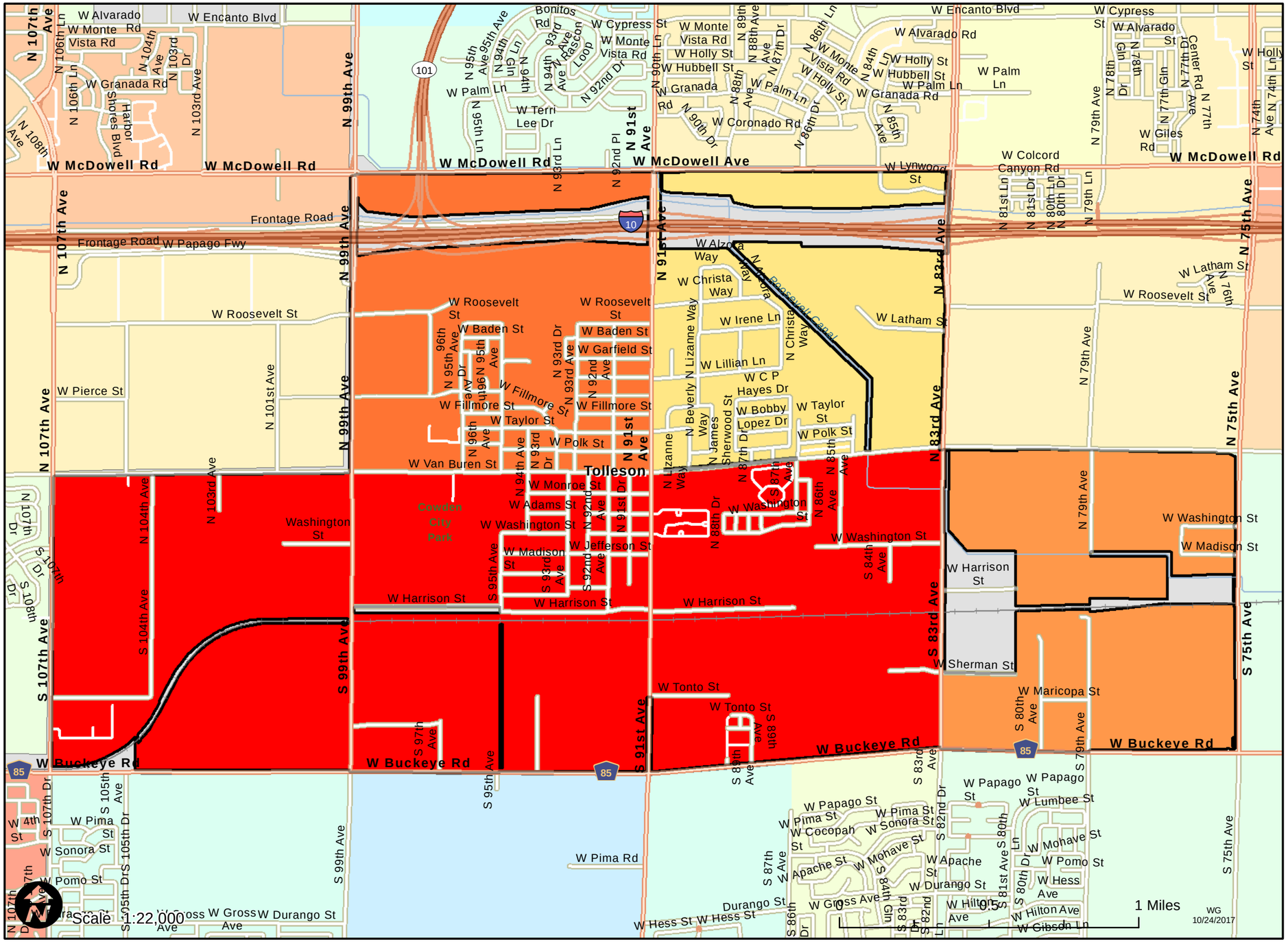
**The Department makes no warranties, expressed or implied, with respect to the information shown on this map.**

Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Tolleson - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.706 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 5 out of 16 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 2.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.050 |
| Average Low Income Index: | 0.519 |
| Average Traffic Proximity Index: | 0.021 |
| Average Air Quality Index: | 0.744 |
| Average Heat and Developed Imperviousness Index: | 0.403 |
| Analysis Area: ASLD Incorporated Areas 2013 | |

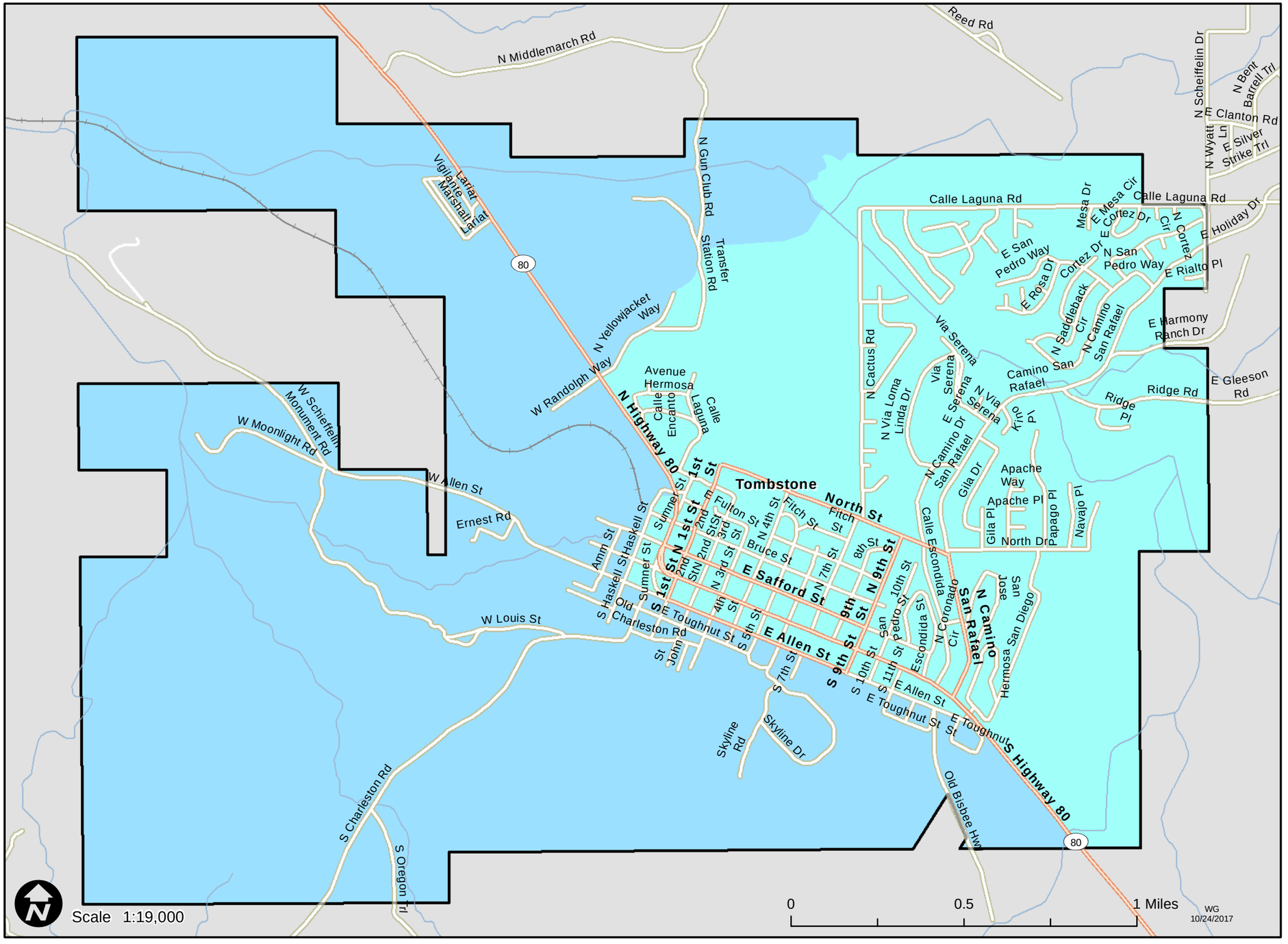
**The Department makes no warranties, expressed or implied, with respect to the information shown on this map.**

Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Tombstone - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.450 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 16 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 1.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.001 |
| Average Low Income Index: | 0.512 |
| Average Traffic Proximity Index: | 0.004 |
| Average Air Quality Index: | 0.308 |
| Average Heat and Developed Imperviousness Index: | 0.039 |

Analysis Area: ASLD Incorporated Areas 2013

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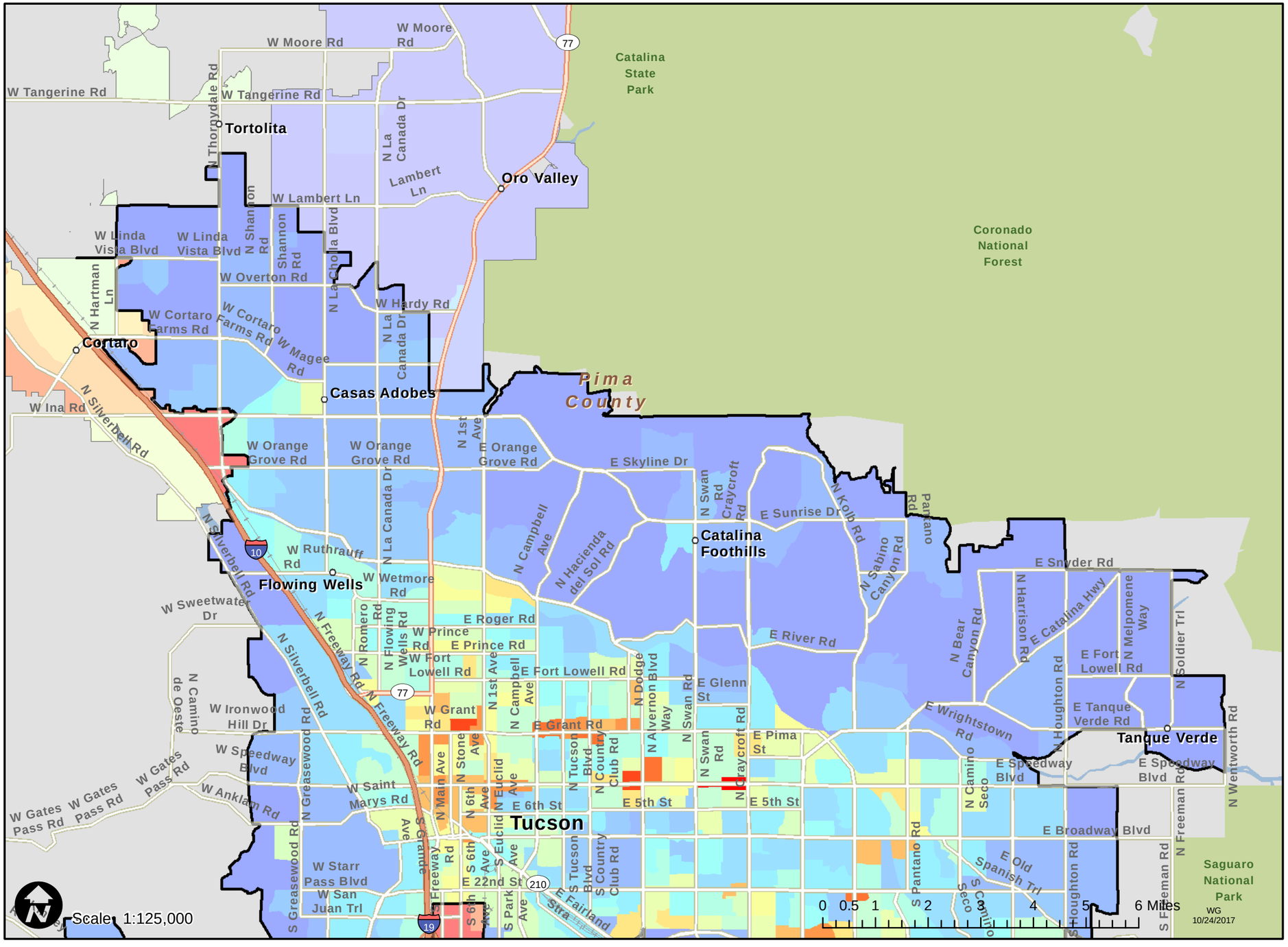
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Tucson (North) - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.457 |
| Population Size Class: | 100,001 and higher |
| Priority Ranking within Population Size Class: | Number 9 out of 10 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 8.75% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.084 |
| Average Low Income Index: | 0.435 |
| Average Traffic Proximity Index: | 0.114 |
| Average Air Quality Index: | 0.417 |
| Average Heat and Developed Imperviousness Index: | 0.457 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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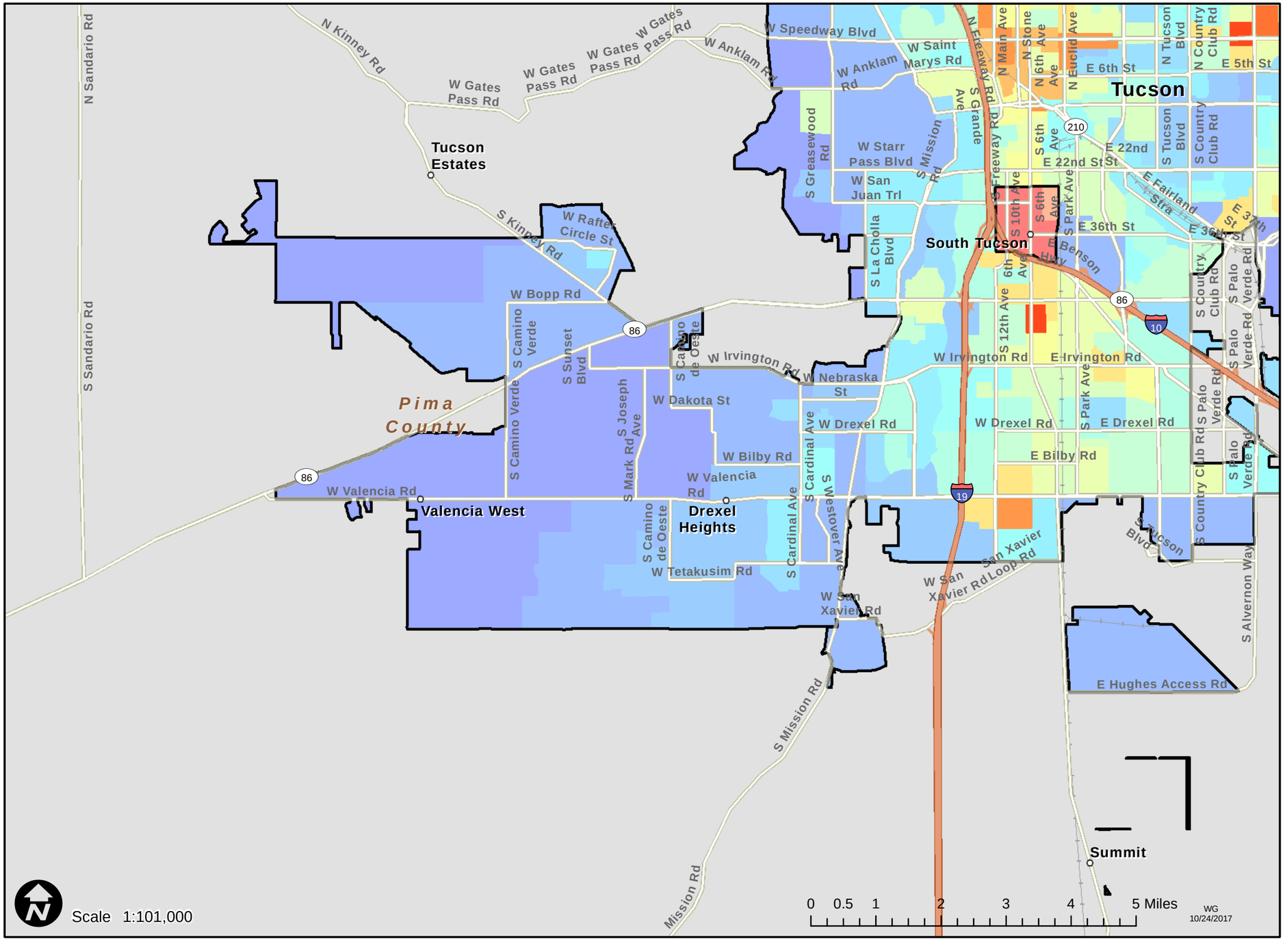
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Tucson (Southwest) - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.457 |
| Population Size Class: | 100,001 and higher |
| Priority Ranking within Population Size Class: | Number 9 out of 10 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 8.75% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.084 |
| Average Low Income Index: | 0.435 |
| Average Traffic Proximity Index: | 0.114 |
| Average Air Quality Index: | 0.417 |
| Average Heat and Developed Imperviousness Index: | 0.457 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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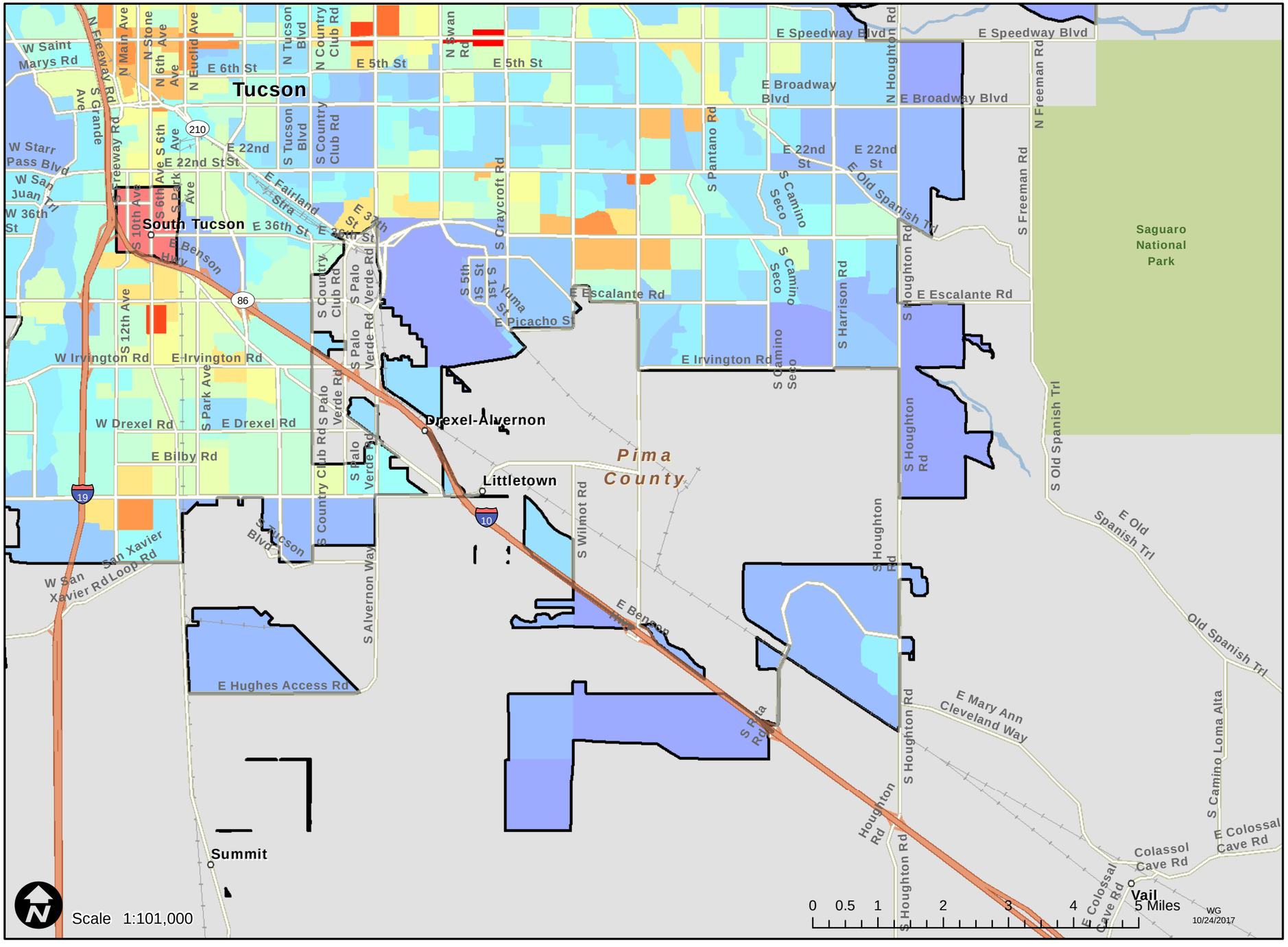
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Tucson (Southeast) - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.457 |
| Population Size Class: | 100,001 and higher |
| Priority Ranking within Population Size Class: | Number 9 out of 10 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 8.75% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.084 |
| Average Low Income Index: | 0.435 |
| Average Traffic Proximity Index: | 0.114 |
| Average Air Quality Index: | 0.417 |
| Average Heat and Developed Imperviousness Index: | 0.457 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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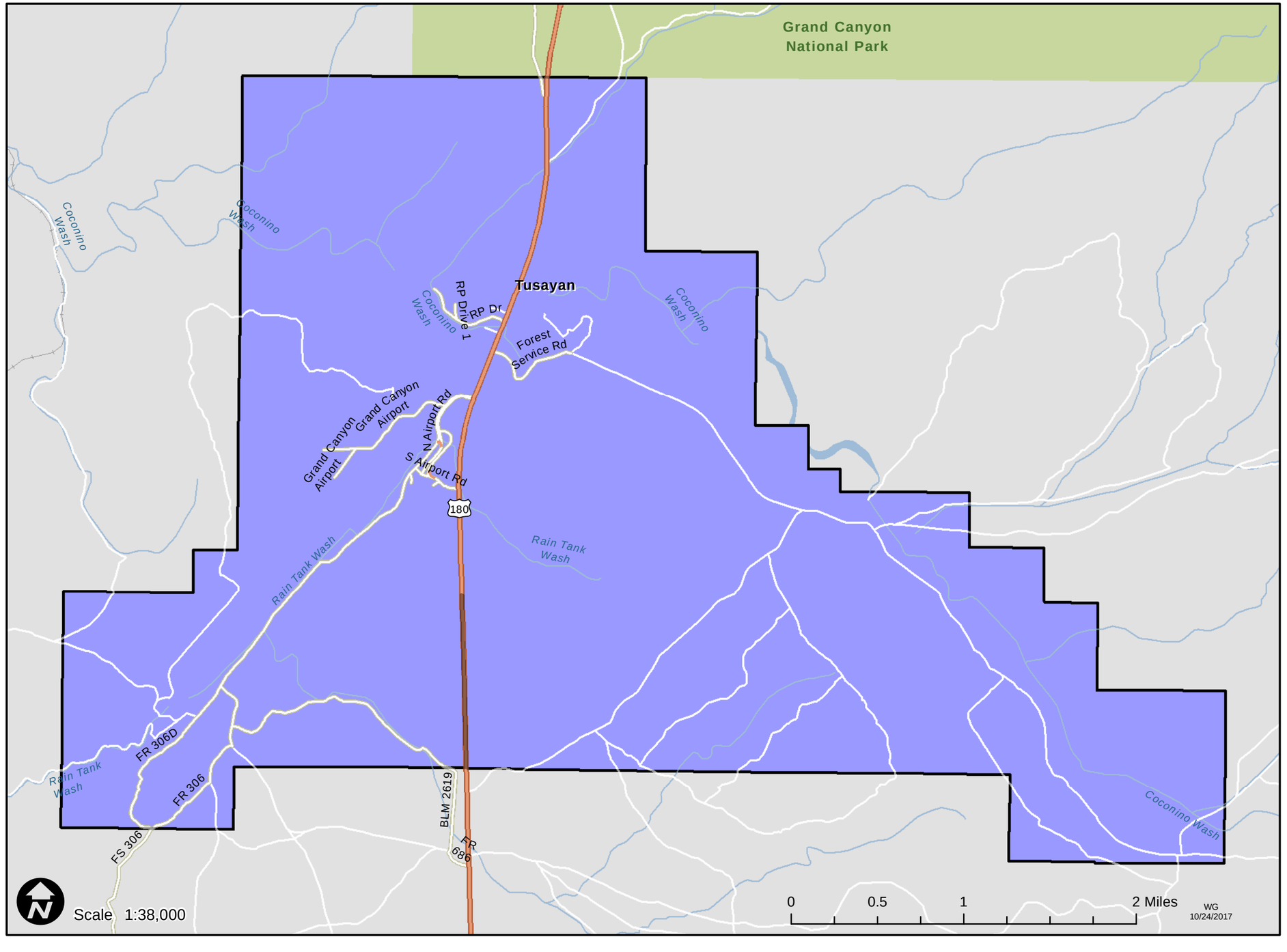
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Tusayan - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.055 |
| Population Size Class: | 1 to 1,000 |
| Priority Ranking within Population Size Class: | Number 6 out of 6 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 13.80% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.000 |
| Average Low Income Index: | 0.376 |
| Average Traffic Proximity Index: | 0.002 |
| Average Air Quality Index: | 0.305 |
| Average Heat and Developed Imperviousness Index: | 0.012 |

Analysis Area: ASLD Incorporated Areas 2013

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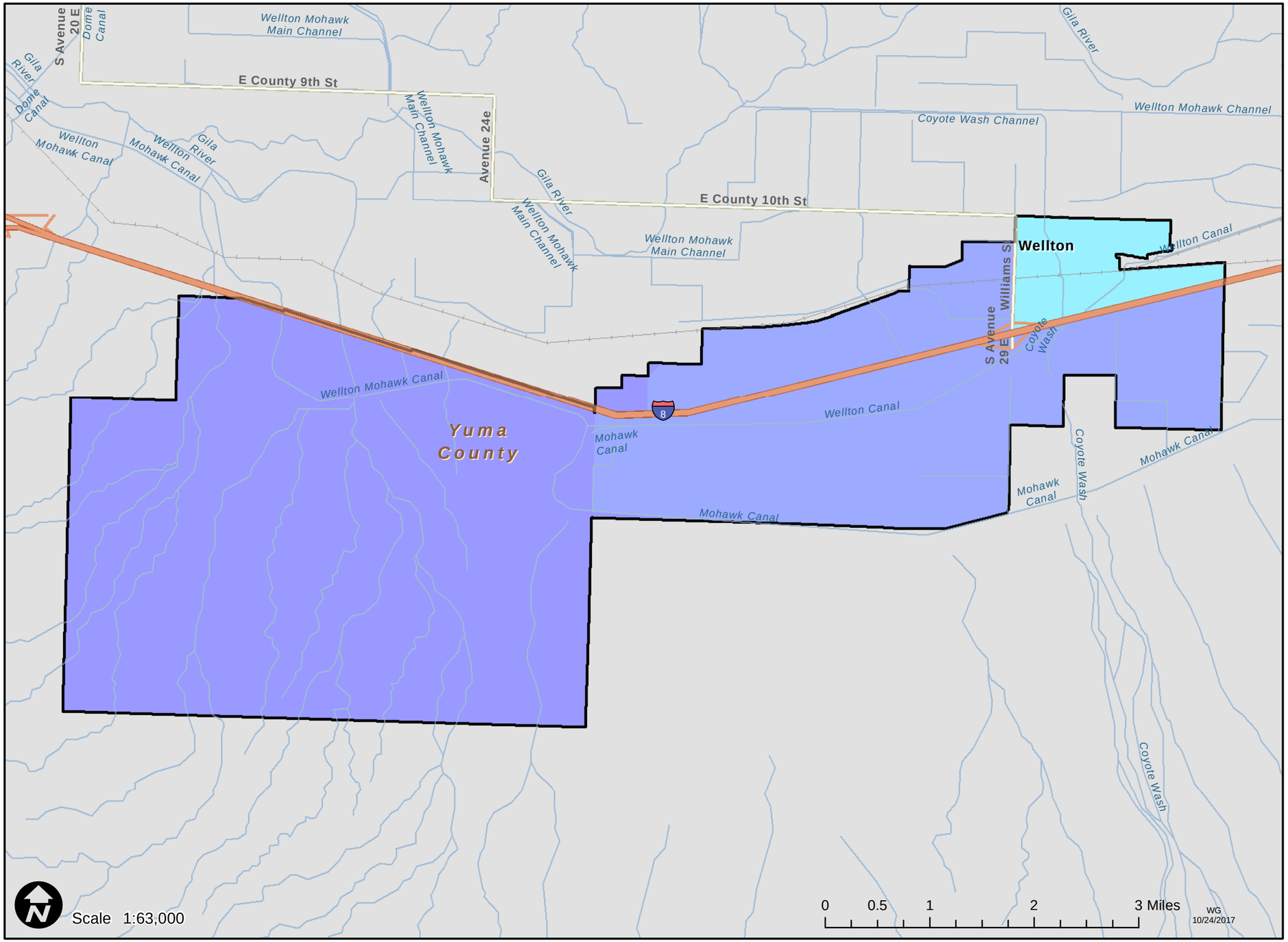
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Wellton - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.245 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 27 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 2.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.003 |
| Average Low Income Index: | 0.254 |
| Average Traffic Proximity Index: | 0.002 |
| Average Air Quality Index: | 0.217 |
| Average Heat and Developed Imperviousness Index: | 0.038 |

Analysis Area: ASLD Incorporated Areas 2013

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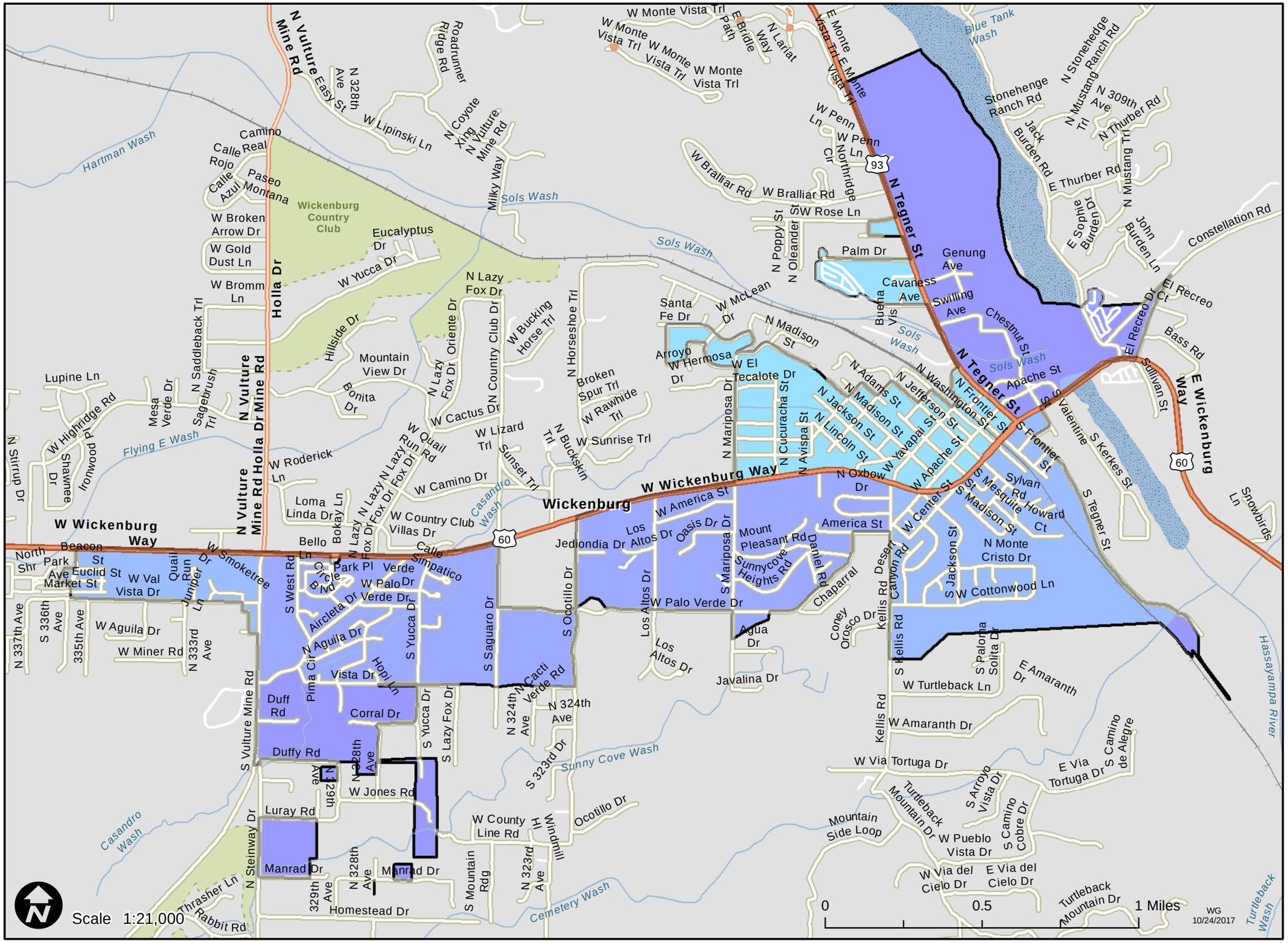
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Wickenburg - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.254 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 16 out of 16 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 10.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.009 |
| Average Low Income Index: | 0.404 |
| Average Traffic Proximity Index: | 0.008 |
| Average Air Quality Index: | 0.317 |
| Average Heat and Developed Imperviousness Index: | 0.209 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Willcox - Arizona

## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.561 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 5 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.016 |
| Average Low Income Index: | 0.414 |
| Average Traffic Proximity Index: | 0.000 |
| Average Air Quality Index: | 0.400 |
| Average Heat and Developed Imperviousness Index: | 0.322 |

Analysis Area: Census Urbanized Area 2010

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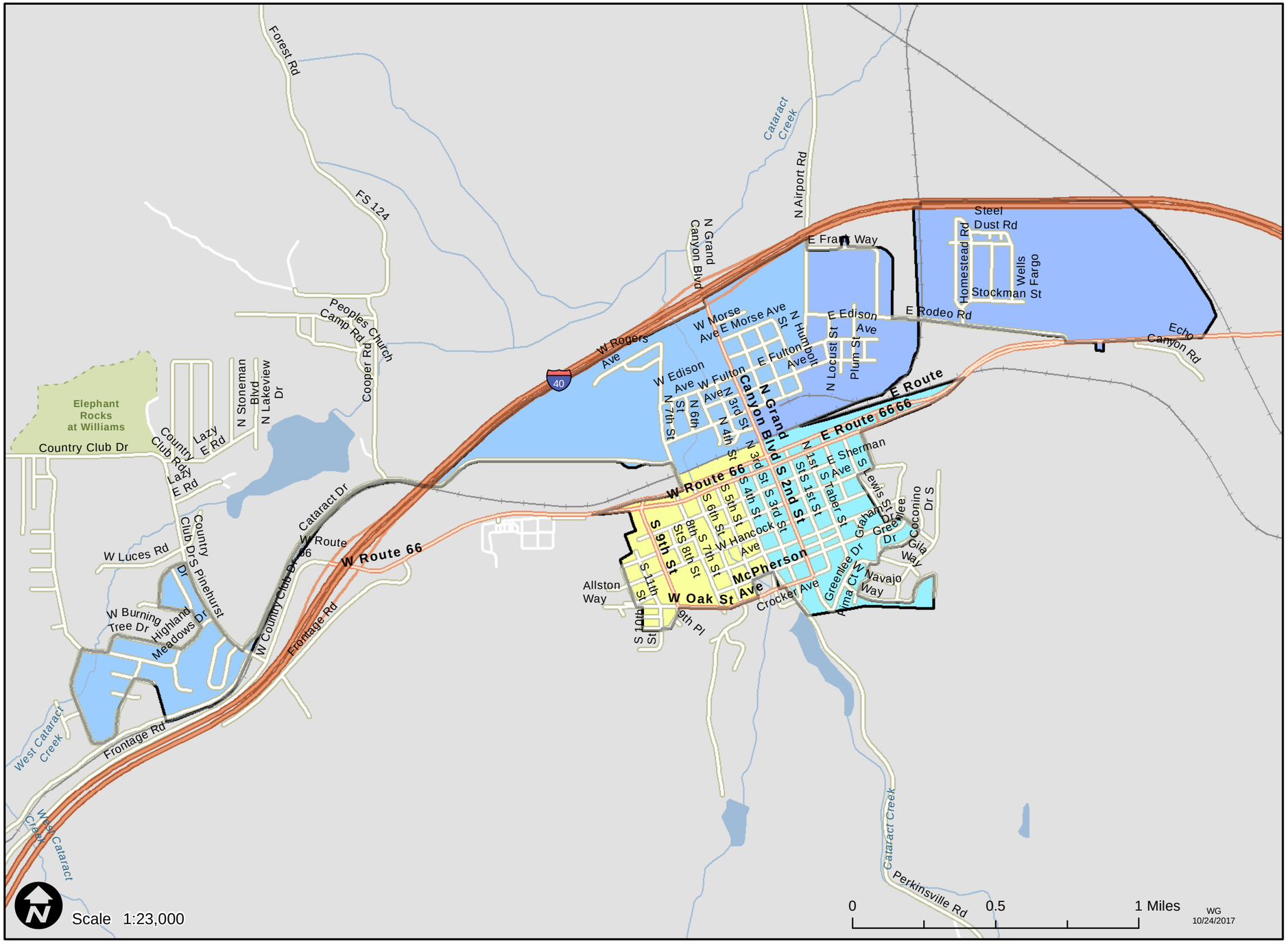
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Williams - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.444 |
| Population Size Class: | 1,001 to 5,000 |
| Priority Ranking within Population Size Class: | Number 19 out of 28 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 8.30% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.001 |
| Average Low Income Index: | 0.466 |
| Average Traffic Proximity Index: | 0.004 |
| Average Air Quality Index: | 0.396 |
| Average Heat and Developed Imperviousness Index: | 0.249 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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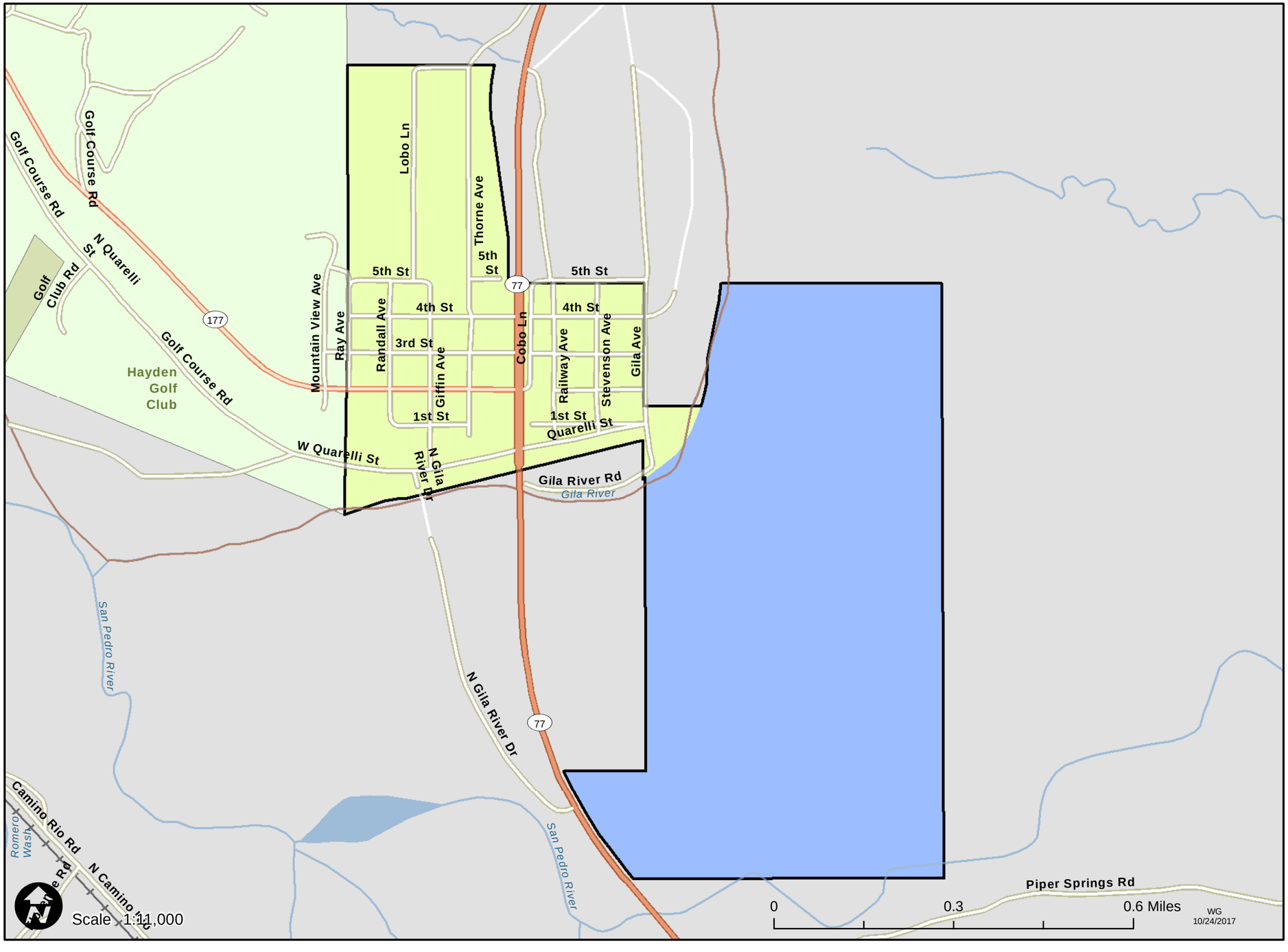
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Winkelman - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.464 |
| Population Size Class: | 1 to 1,000 |
| Priority Ranking within Population Size Class: | Number 5 out of 6 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 5.50% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.001 |
| Average Low Income Index: | 0.303 |
| Average Traffic Proximity Index: | 0.001 |
| Average Air Quality Index: | 0.312 |
| Average Heat and Developed Imperviousness Index: | 0.145 |

Analysis Area: ASLD Incorporated Areas 2013

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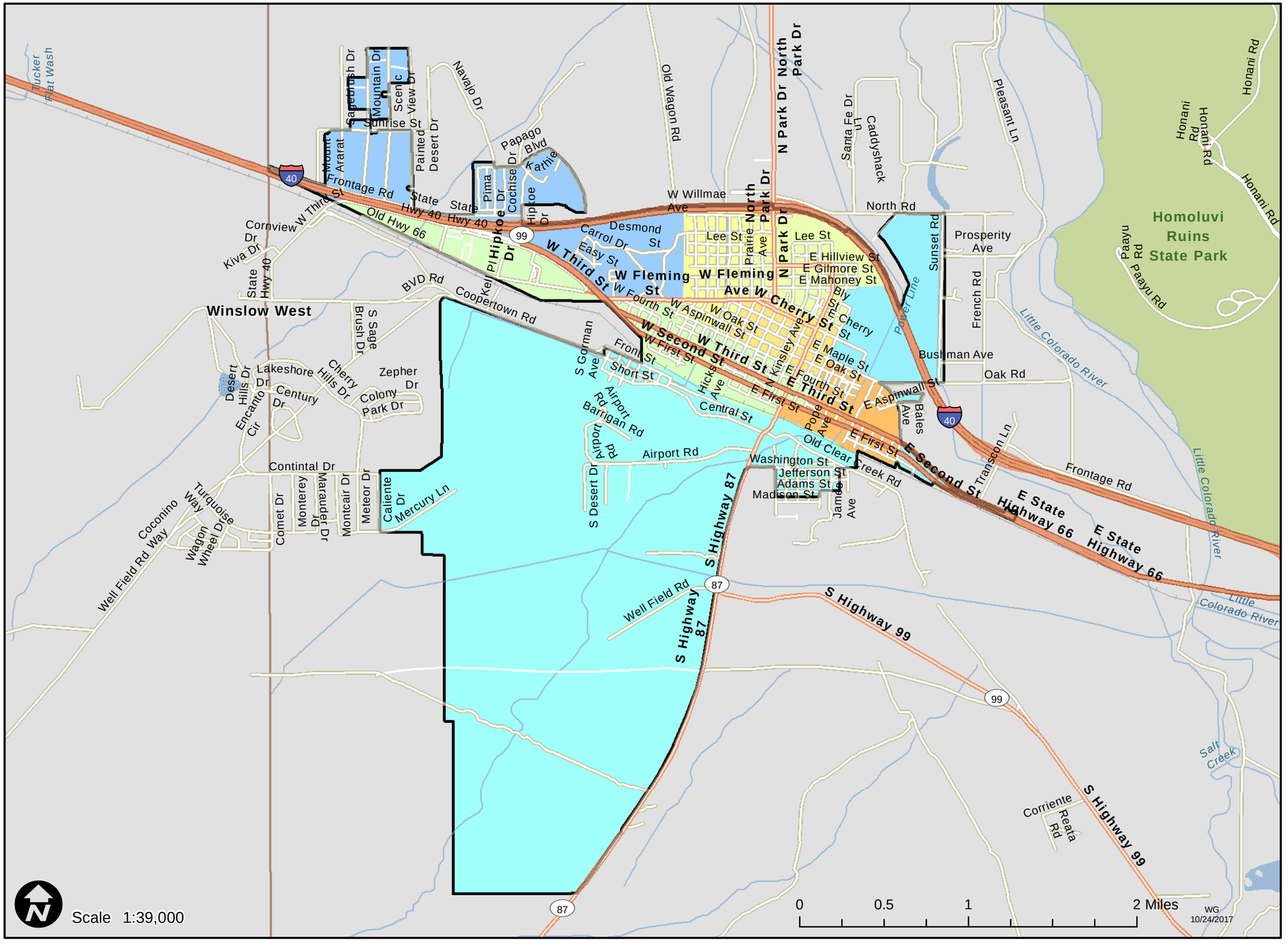
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Winslow - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.535 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 7 out of 16 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 1.50% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.044 |
| Average Low Income Index: | 0.580 |
| Average Traffic Proximity Index: | 0.004 |
| Average Air Quality Index: | 0.376 |
| Average Heat and Developed Imperviousness Index: | 0.296 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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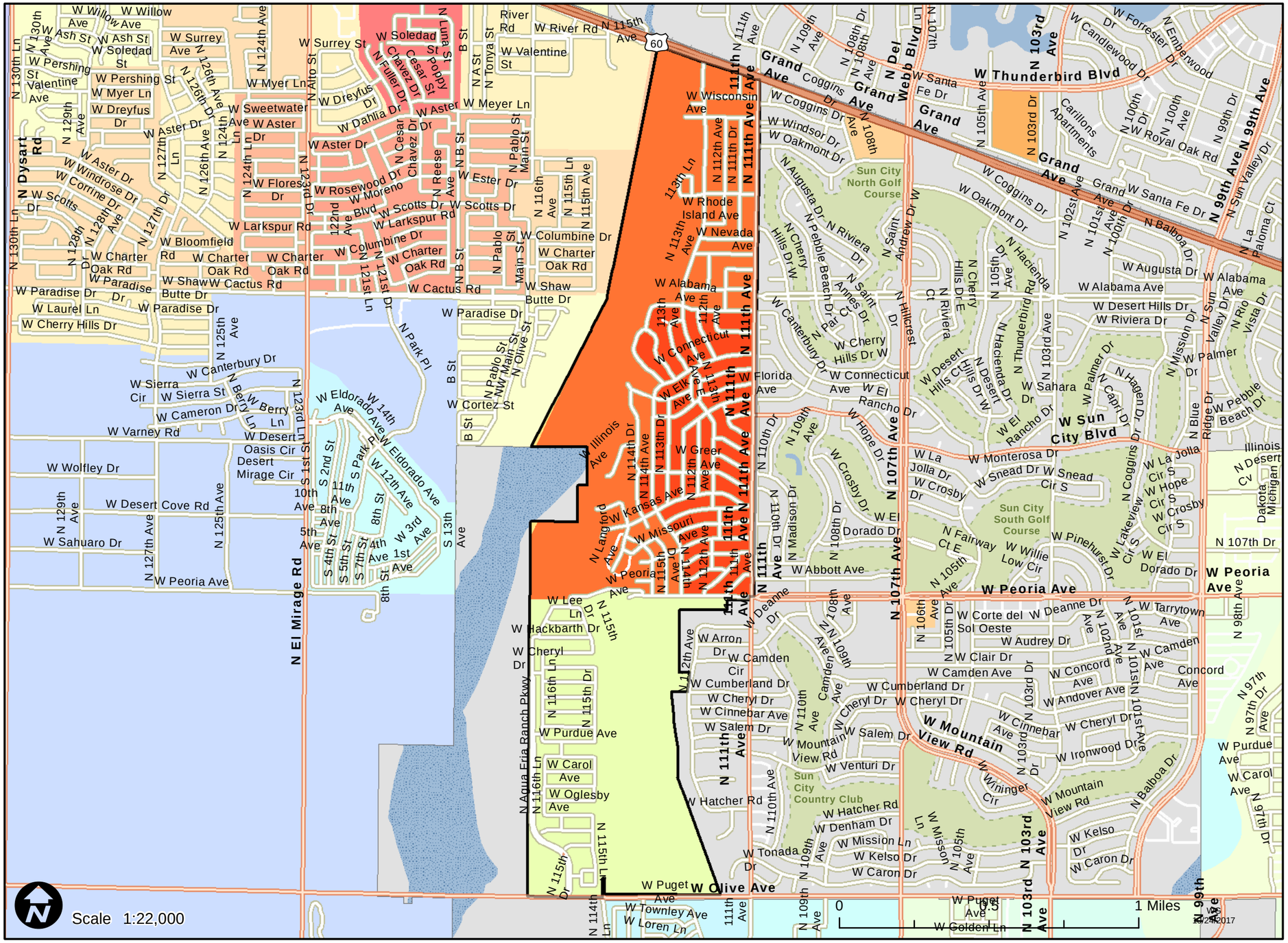
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

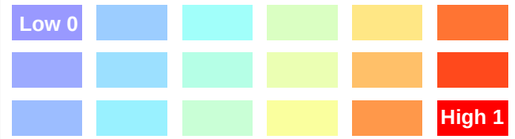
# 2017 Shade Tree Planting Prioritization

Urban and Community Forestry, Department of Forestry and Fire Management

# Youngtown - Arizona




## Shade Tree Planting Prioritization Index




The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.647 |
| Population Size Class: | 5,001 to 10,000 |
| Priority Ranking within Population Size Class: | Number 6 out of 16 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 5.00% |
| Tree City USA Certified: | No |
| Average Population Density Index: | 0.069 |
| Average Low Income Index: | 0.436 |
| Average Traffic Proximity Index: | 0.003 |
| Average Air Quality Index: | 0.723 |
| Average Heat and Developed Imperviousness Index: | 0.466 |

Analysis Area: ASLD incorporated area x Census Urbanized Area intersection

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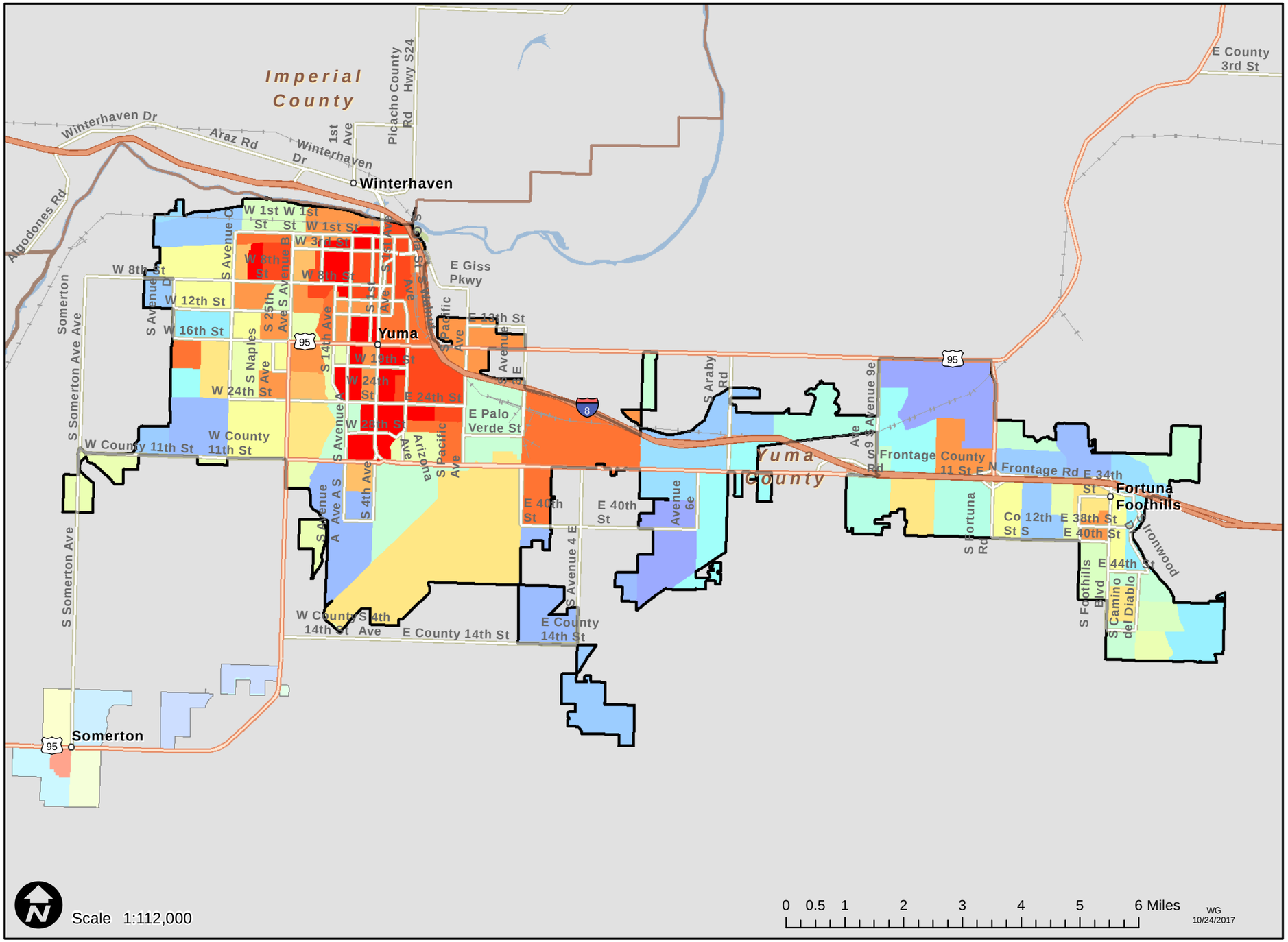
Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department

# 2017 Shade Tree Planting Prioritization

**Urban and Community Forestry, Department of Forestry and Fire Management**

# Yuma - Arizona




## Shade Tree Planting Prioritization Index

Low 0 — High 1

The redder colors indicate areas that might benefit the most from future tree plantings, based on the analyzed criteria.

## Prioritization Metrics

| | |
|---|---|
| Average Prioritization Index: | 0.618 |
| Population Size Class: | 50,001 to 100,000 |
| Priority Ranking within Population Size Class: | Number 1 out of 7 |

## Contributing Factors

| | |
|---|---|
| Estimated Canopy Cover | 3.75% |
| Tree City USA Certified: | Yes |
| Average Population Density Index: | 0.070 |
| Average Low Income Index: | 0.447 |
| Average Traffic Proximity Index: | 0.004 |
| Average Air Quality Index: | 0.464 |
| Average Heat and Developed Imperviousness Index: | 0.446 |

Analysis Area: Census Urbanized Area 2010

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Reference Layer Credits: Esri StreetMap North America 2013; Arizona State Land Department