

Appendix B: Park Access and Equity Maps

All Public Parks Service Area

Illustrates the service area for all public parks (i.e. neighborhood, community, special use, and sports complexes). Service areas within a 1/4-mile walk/bike and 1/2-mile walk/bike of all public parks were derived using ArcGIS StreetMap Premium, which provides enriched street data to deliver high-quality and multiscale network analysis.

Developed Parks and Schools Service Area

Illustrates the service area for developed parks and school facilities (i.e. parks with a playground, ball court, or ball field, not including Pasco Sporting Complex, Pasco Youth Baseball Complex, or TCYSA Soccer Complex and school facilities). Service areas within a 1/4-mile walk/bike and 1/2-mile walk/bike of all developed parks and school facilities were derived using ArcGIS StreetMap Premium, which provides enriched street data to deliver a high-quality and multiscale network analysis.

Developed Public Parks Service Area

Illustrates the service area for developed public parks (i.e. parks with a playground, ball court, or ball field, not including Pasco Sporting Complex, Pasco Youth Baseball Complex, or TCYSA Soccer Complex). Service areas within a 1/4-mile walk/bike and 1/2-mile walk/bike of all developed public parks were derived using ArcGIS StreetMap Premium, which provides enriched street data to deliver high-quality and multiscale network analysis.

Communities of Color

Illustrates the percent of the population of color (non-white). Estimated resident populations by race were derived from the ESRI Updated Demographics (2021) developed using a variety of sources, beginning with the latest base, and adding a mixture of administrative records and private sources to capture changes. The number of residents of color per census block was divided by the total number of residents within the census block to calculate the percent of the population of color (non-white). The data is classified using natural breaks to reduce the variance within classes and maximize the variance between classes.

Density

Illustrates the number of residents per square mile. Estimated resident populations were derived from the ESRI Updated Demographics (2021) developed using a variety of sources, beginning with the latest base, and adding a mixture of administrative records and private sources to capture changes. The number of residents per census block was divided by the total area of the census block in square miles to calculate the number of residents

per square mile. The data is classified using natural breaks to reduce the variance within classes and maximize the variance between classes.

Low Income

Illustrates the percent of the low-income population by census block. Low-income in the State of Washington is defined as household incomes less than 80% of the median household income for the city where the project is located (or less than \$50,220 in Pasco, WA from 2015-2019 per the U.S. Census Bureau). Estimated median household incomes were derived from the ESRI Updated Demographics (2021) developed using a variety of sources, beginning with the latest base, and adding a mixture of administrative records and private sources to capture changes. The data is classified using natural breaks to reduce the variance within classes and maximize the variance between classes.

Youth

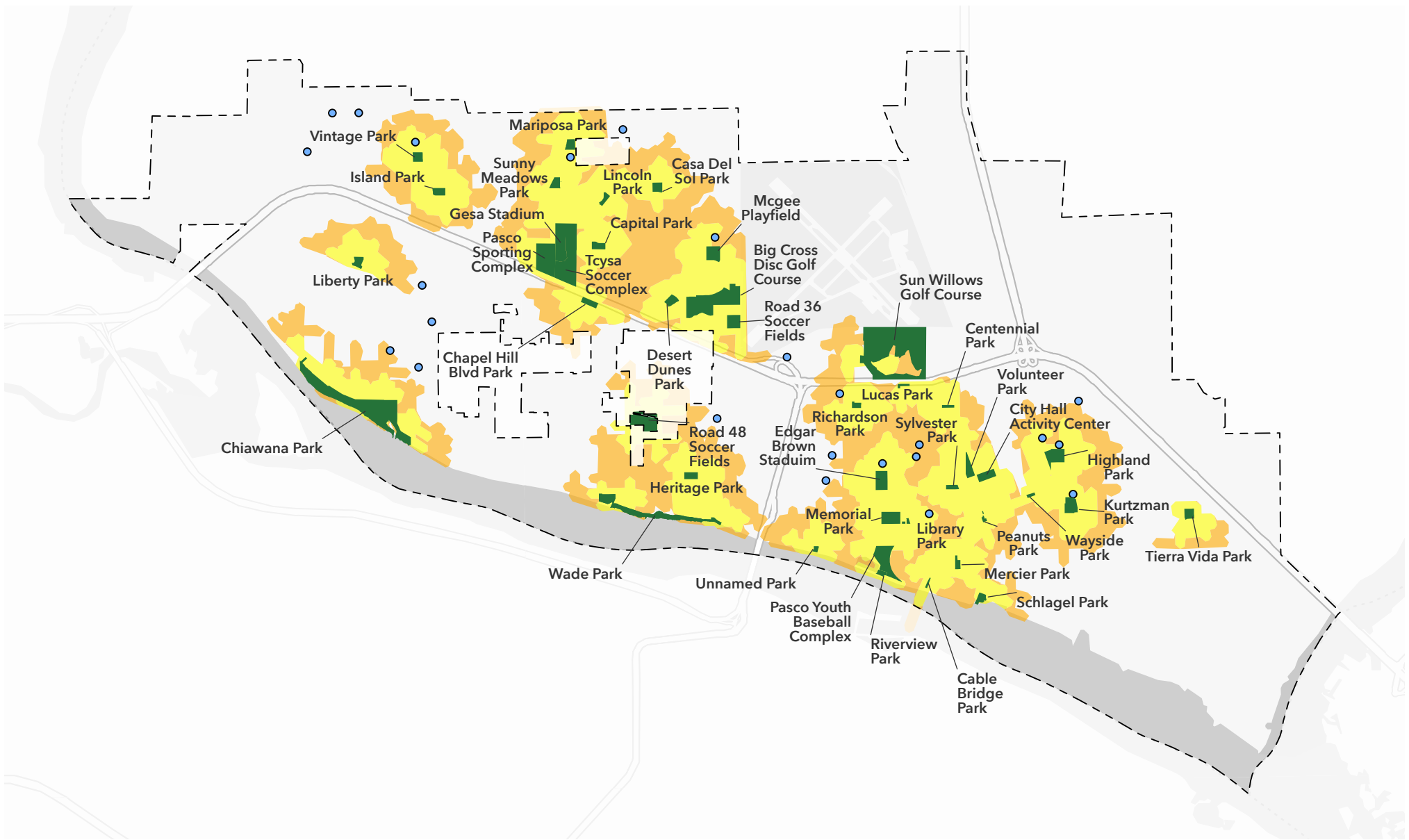
Illustrates the percent of the population under 18 years of age. Estimated resident populations by age were derived from the ESRI Updated Demographics (2021) developed using a variety of sources, beginning with the latest base, and adding a mixture of administrative records and private sources to capture changes. The number of residents under 18 years of age per census block was divided by the total number of residents within the census block to calculate the percent of the population under 18 years of age. The data is classified using natural breaks to reduce the variance within classes and maximize the variance between classes.

Park Access

Illustrates the percent of the population beyond 10 minutes (or half a mile) of a park. A service area within a half-mile of all public parks was derived using ArcGIS StreetMap Premium, which provides enriched street data to deliver high-quality and multiscale network analysis. Estimated resident populations were derived from the ESRI Updated Demographics (2021) developed using a variety of sources, beginning with the latest base, and adding a mixture of administrative records and private sources to capture changes. The number of residents beyond 10 minutes of a park per census block was divided by the total number of residents per census block to calculate the percent of the population beyond 10 minutes of a park. The data is classified using natural breaks to reduce the variance within classes and maximize the variance between classes.

Parks & Recreation Equity Index

Illustrates park need by census block using an index of five scored indicators: Park Access, Communities of Color, Youth, Low Income, and Population Density. Estimated demographic data was derived from the ESRI Updated Demographics (2021) developed using a variety of sources, beginning with the latest base, and adding a mixture of administrative records and private sources to capture changes. Each indicator was provided a score from one to five as classified using natural breaks to reduce the variance within classes and maximize the variance between classes, with one being an indication of the lowest park need and five being the highest.



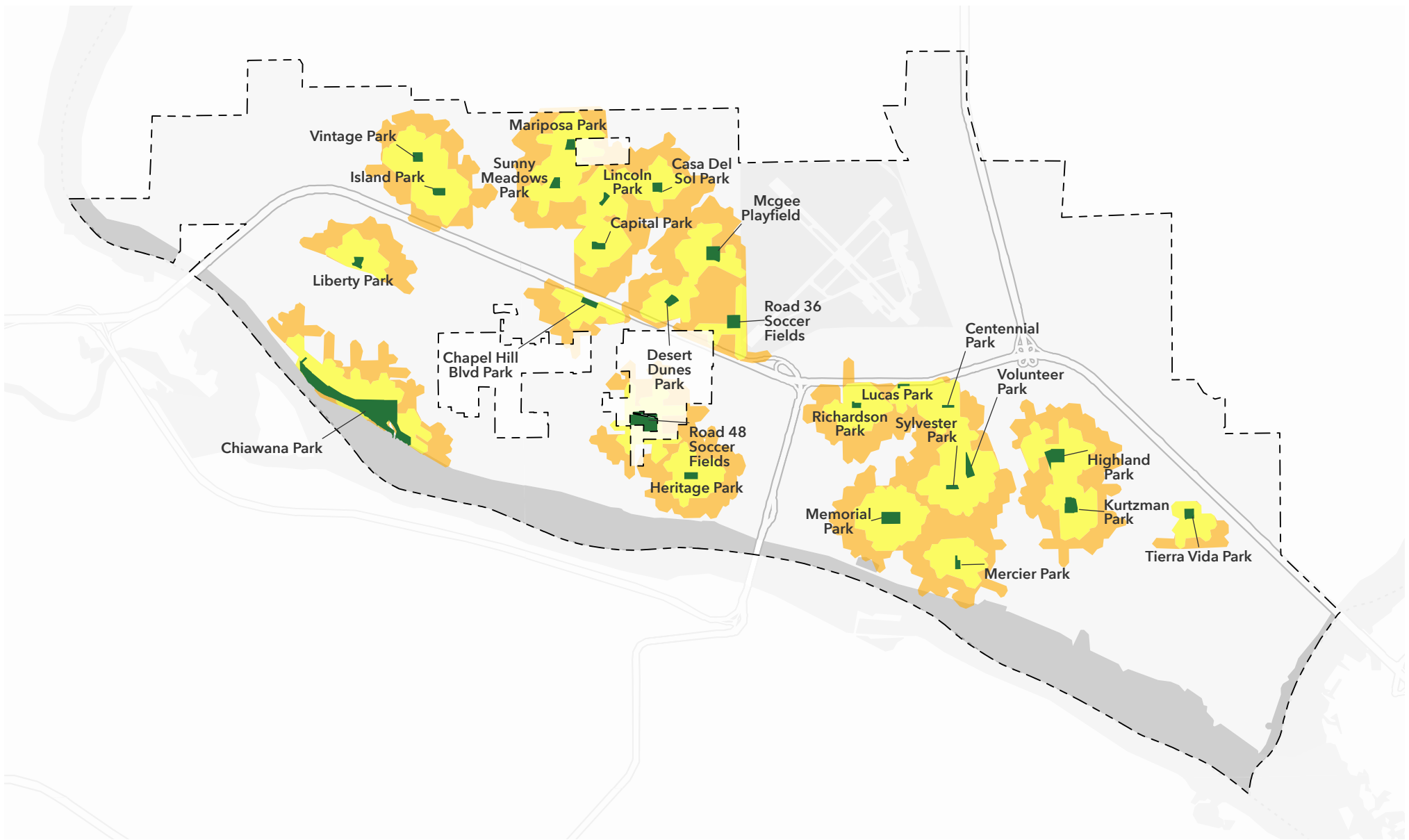
Source: ESRI 2021

All Public Parks Service Area

- 1/4-mile Walk/Bike
- 1/2-mile Walk/Bike
- All Public Parks
- Public Schools



Pasco Park Access Analysis



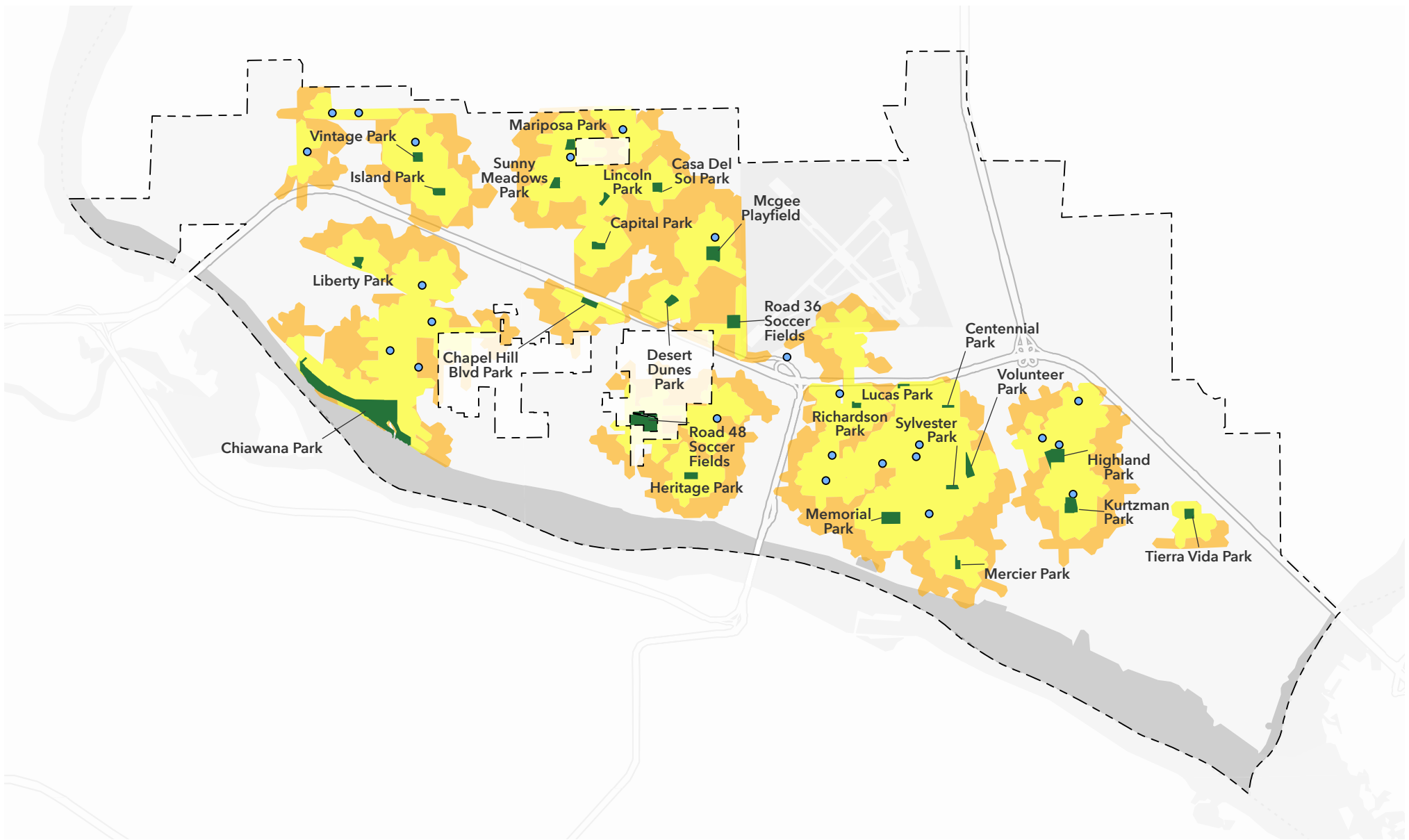
Source: ESRI 2021

Developed Public Parks Service Area

- 1/4-mile Walk/Bike
- 1/2-mile Walk/Bike
- Developed Public Parks



Pasco Park Access Analysis



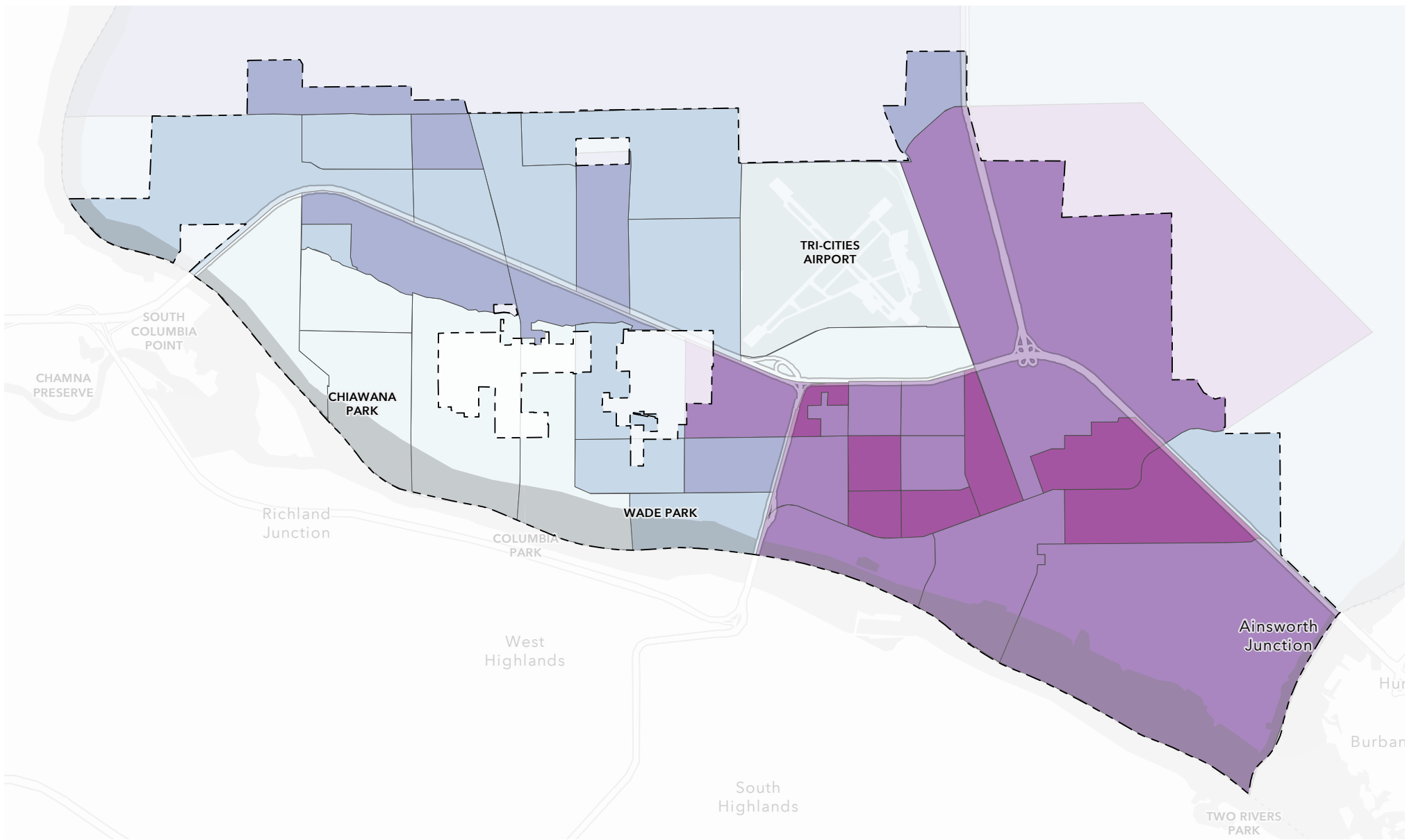
Source: ESRI 2021

Developed Parks & Schools Service Area

- 1/4-mile Walk/Bike
- 1/2-mile Walk/Bike
- Developed Public Parks
- Public Schools



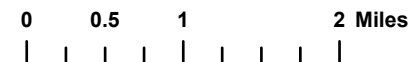
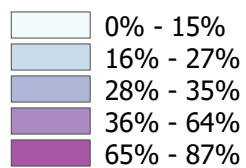
Pasco Park Access Analysis



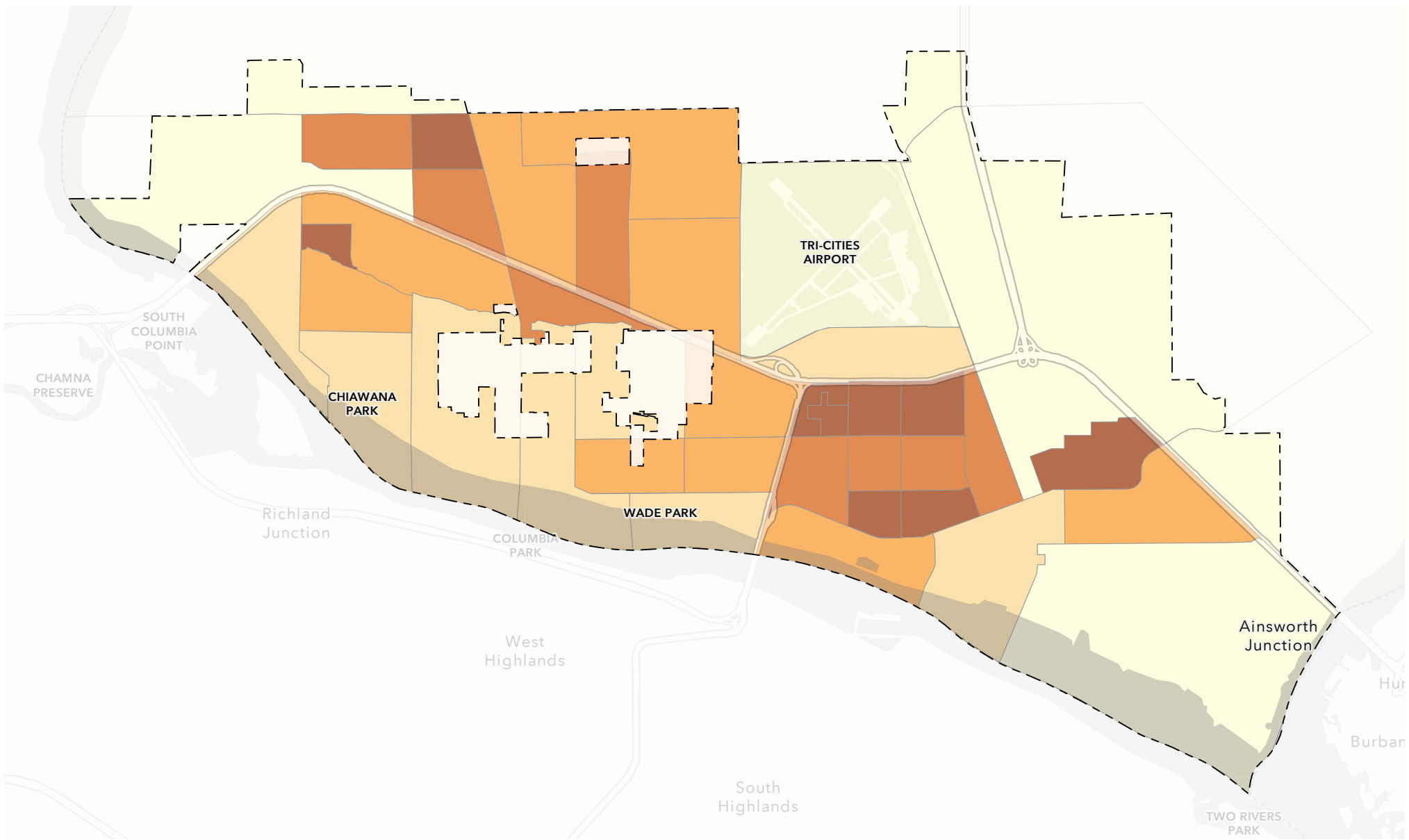
Source: ESRI 2021

Communities of Color

Percent of Population of Color (non-white)



Pasco Park Access Analysis



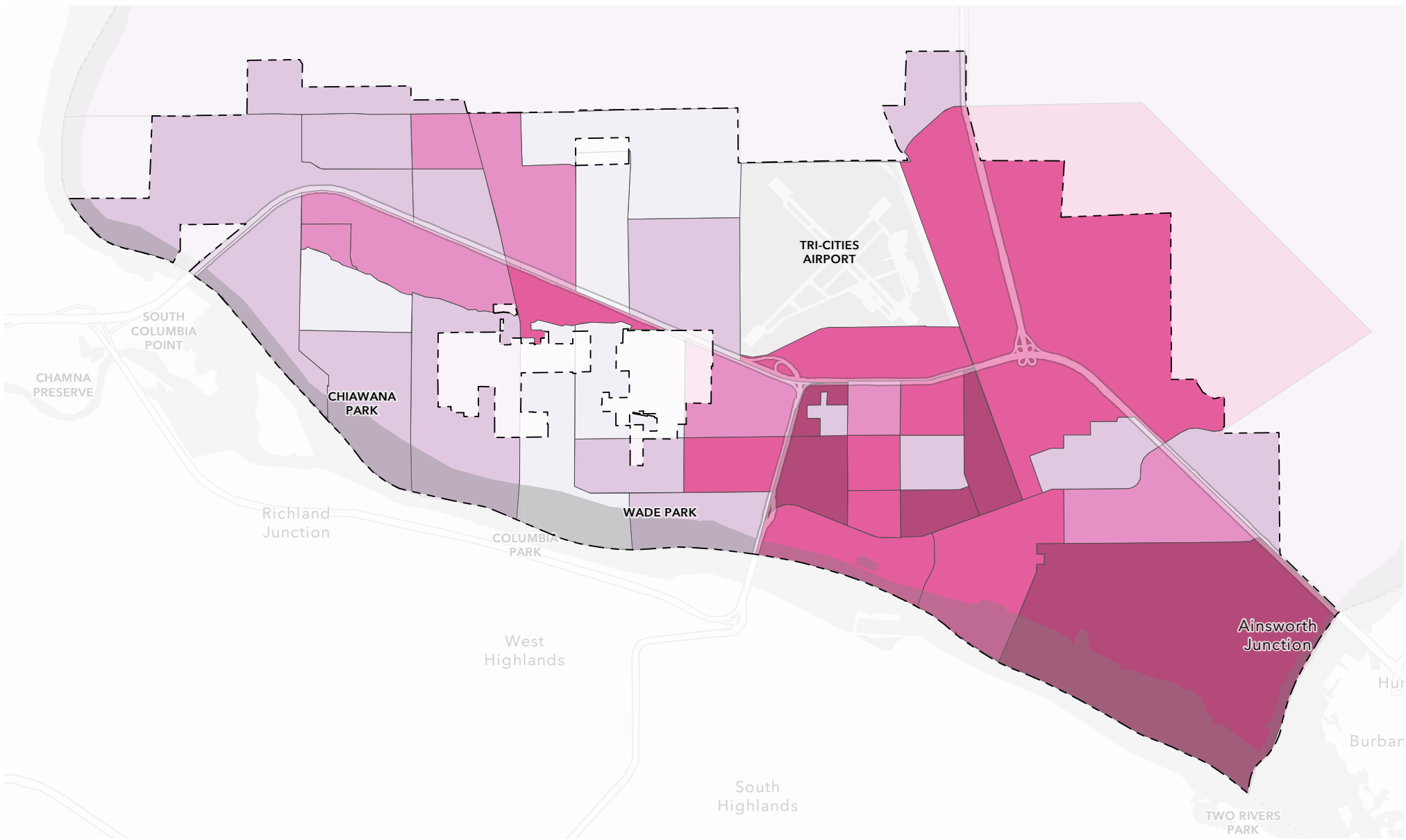
Source: ESRI 2021

Density
Number of Residents per Square Mile

- 0 - 2,066
- 2,067 - 9,645
- 9,646 - 19,440
- 19,441 - 38,126
- 38,127 - 55,874



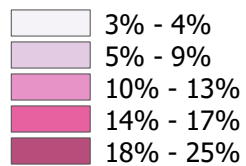
Pasco Park Access Analysis



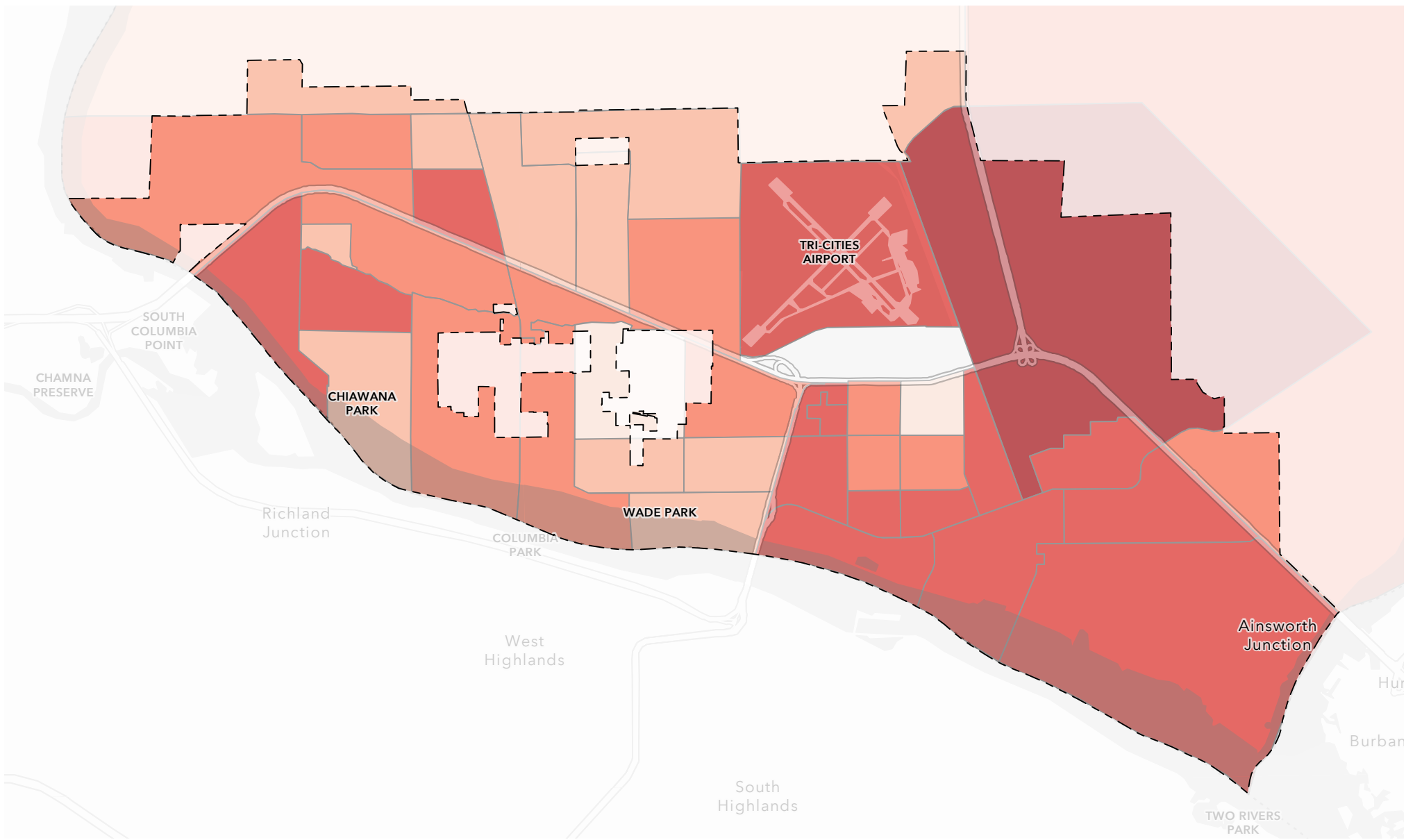
Source: ESRI 2021

Low Income

Percent of Low-Income Population



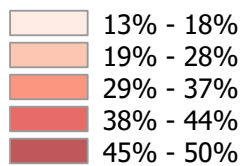
Pasco Park Access Analysis



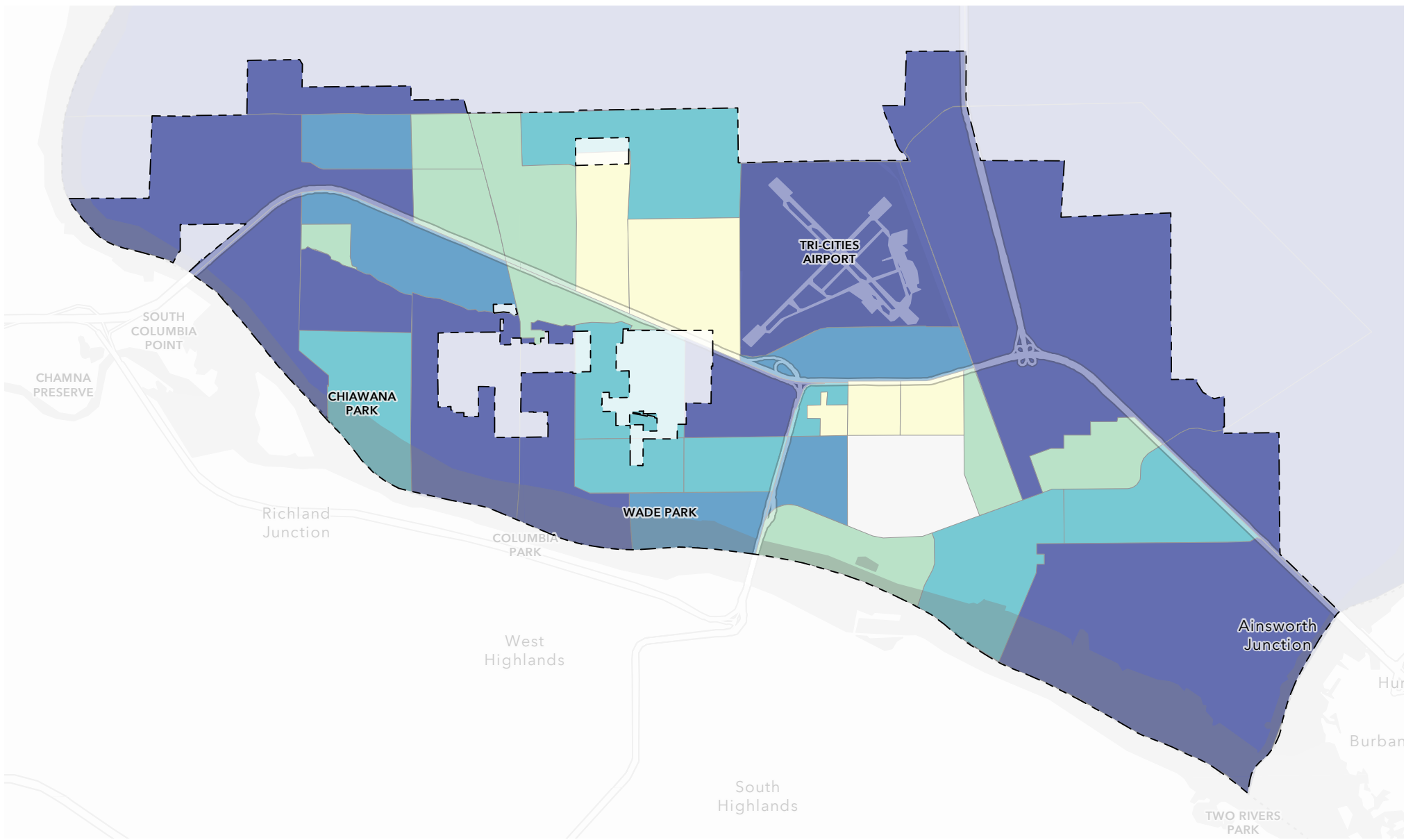
Source: ESRI 2021

Youth

Percent of Population Under 18 Years of Age



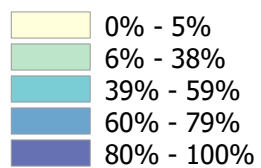
Pasco Park Access Analysis



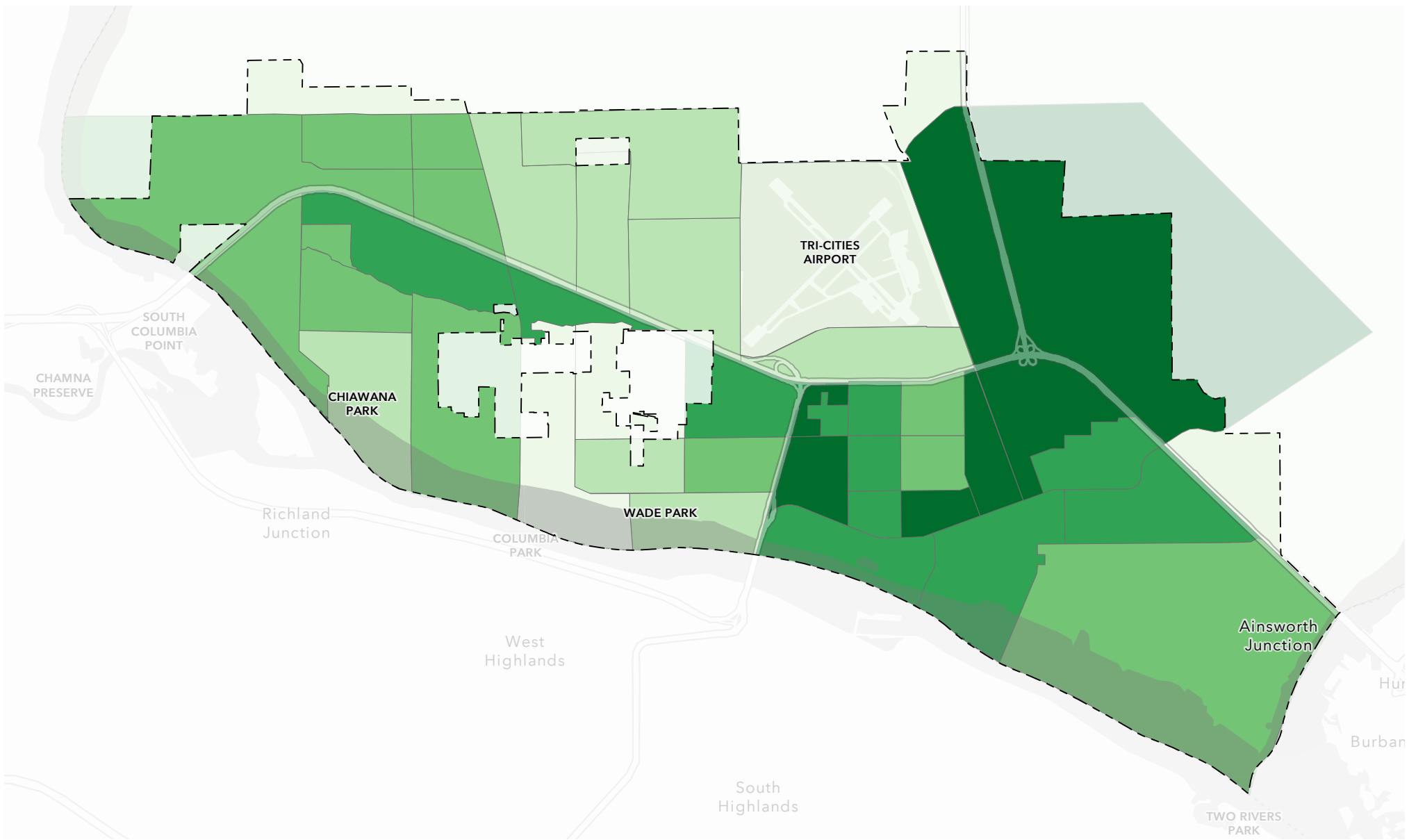
Source: ESRI 2021

Park Access

Percent of Population beyond 10 Minutes of a Park



Pasco Park Access Analysis



Source: ESRI 2021

Parks & Recreation Equity Index

