

# making space:

## AN EQUITY STUDY FOR PARKS AND RECREATION

### City of Tempe Parks and Recreation Equity Maps and Analysis Report



June, 2023

Prepared by: **DESIGNWORKSHOP**

## Introduction

The City of Tempe's parks and recreation system has a historic legacy that begins with the construction of Tempe Beach Park in 1923, the City's first "public" swimming pool ("public" was the phrase used to describe the pool at the time, though Mexican and Black community members were not allowed).<sup>1</sup> Although the area known as the City of Tempe today has roots tied to the Hohokam people (300 B.C. to 1450 A.D.) and Mexican families that began arriving in the 1860s, the City of Tempe developed as a segregated community in line with the 1912 Arizona State Constitution.

The City established a Parks and Recreation Department in 1958 in response to rapid growth between 1949 and 1975. As Tempe's residential areas grew outward, planners sought to provide one park in each square mile of the city and paired parks with elementary schools.<sup>2</sup> This placed parks at the core of each neighborhood, creating a framework centered on providing equal access to park spaces. Today 70 percent of Tempe residents can access a park or recreation center within a half mile walk (see Chapter 3 of this report). Access is one important measure of how well a parks and recreation system serves its community.

As the City of Tempe continues to grow and evolve, the Parks and Recreation Department seeks to ensure that actions for providing the community with opportunities for recreation and access to green space are centered around equity. Equity in parks is the inherent philosophy that public parks and recreation are for everyone, regardless of skin color, sexual orientation, ability, gender, income, age or ethnicity.<sup>3</sup> It ensures that all communities have access to the benefits of quality parks, recreational spaces, facilities and programs.

The heart of the San Pablo neighborhood, an area that hosted a large number of Mexican and Mexican American families in Tempe, was Dewar and Center Streets. These two roads remained unpaved into the 1950s despite the Tempe News reporting that Tempe had "more miles of paved streets than any other city of its class in the Southwest" in 1923.<sup>1</sup> This history highlights the effect that segregation had on unequal public investments in Tempe. Historic policies that are underpinned by values related to race provide valuable insight into understanding modern day challenges related to justice and equity.

<sup>1</sup> Sweeney, Jennifer. "From 'Open Country' to 'Open Space': Park Planning, Rapid Growth and Community Identity in Tempe, Arizona, 1949-1975." Arizona State University, 2019

<sup>1</sup> Martin, Sara. "A Community Center - Tempe Beach & Playground." Arizona State University, 2002.

<sup>2</sup> Sweeney, Jennifer. "From 'Open Country' to 'Open Space': Park Planning, Rapid Growth and Community Identity in Tempe, Arizona, 1949-1975." Arizona State University, 2019.

<sup>3</sup> Understanding Equity in Parks and Recreation, NRPA

It is fundamental to ensure that parks, as essential public assets, are spaces for co-existence, fair play and civic engagement. Research shows how "systemic racism, unfair power structure and a lack of cultural competency... affect access to the quality park and recreation spaces and programs."<sup>4</sup>

Creating equity in parks and recreation means strategically investing public funds in ways that consider unfair or unjust outcomes from previous investments and policies that have made disproportionate access to the parks and recreation system and discouraged certain community members from using them.

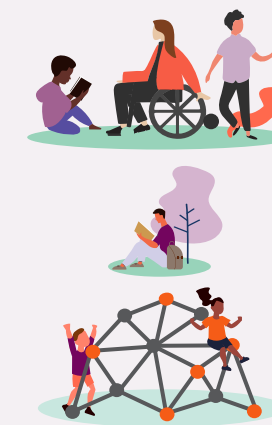
## Definitions

- **DIVERSITY** refers to the presence of differences within a given setting.
- **EQUITY** is the act of ensuring that processes and programs are impartial and fair and provide an opportunity for just outcomes.
- **INCLUSION** is the practice of ensuring that people feel they are welcome and belong. The abbreviation used is DEI.

## About the Making Space Equity Study

The Tempe Parks and Recreation Equity Study aims to conduct a holistic analysis of Tempe's parks and recreation system through a DEI lens and generate an action plan that creates more equitable and inclusive public spaces for all.

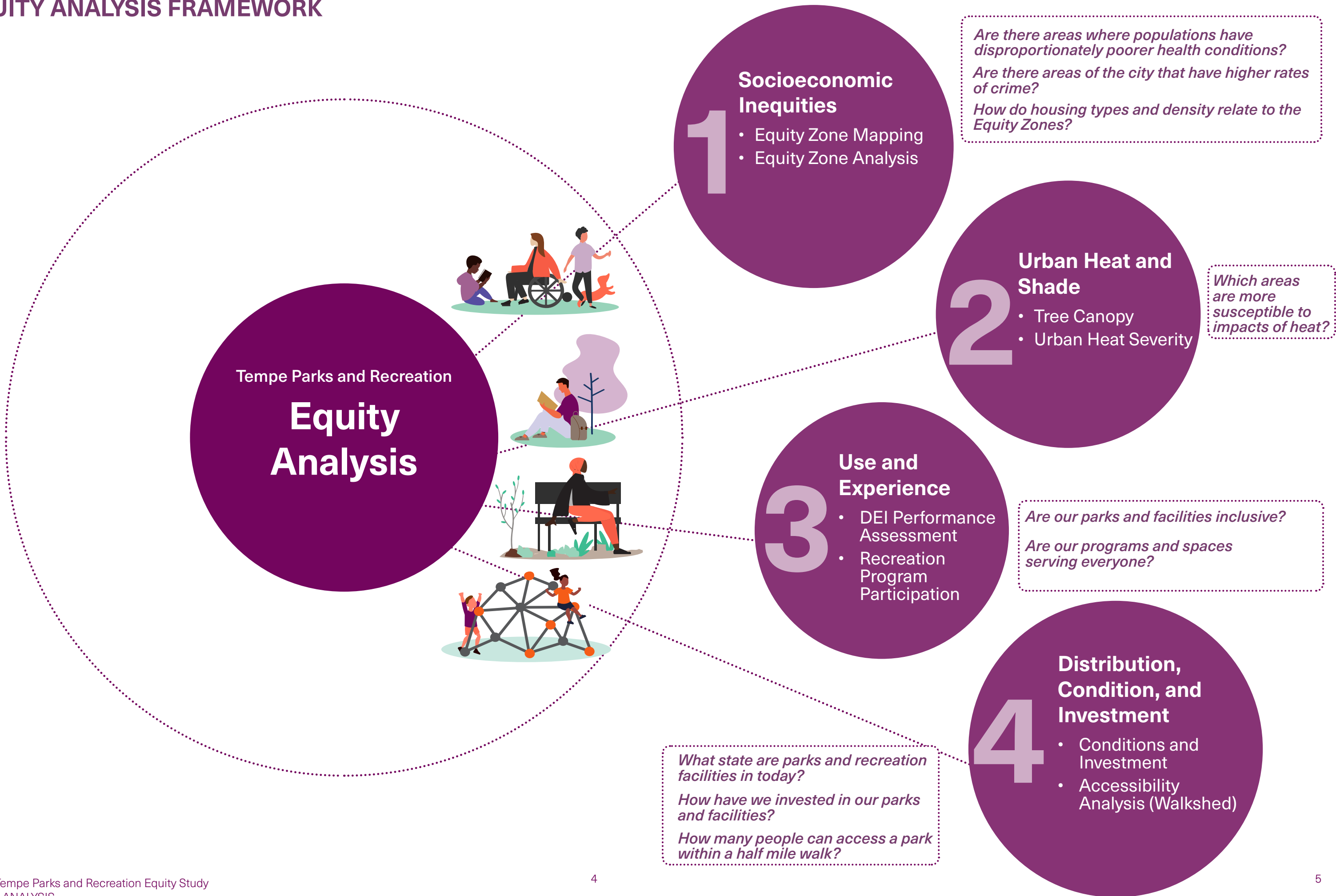
This Parks and Recreation Equity Analysis report summarizes the methodology and data used to conduct several spatial analyses conducted for the Tempe Parks and Recreation Equity Study. These analyses are captured in the following topically based chapters:



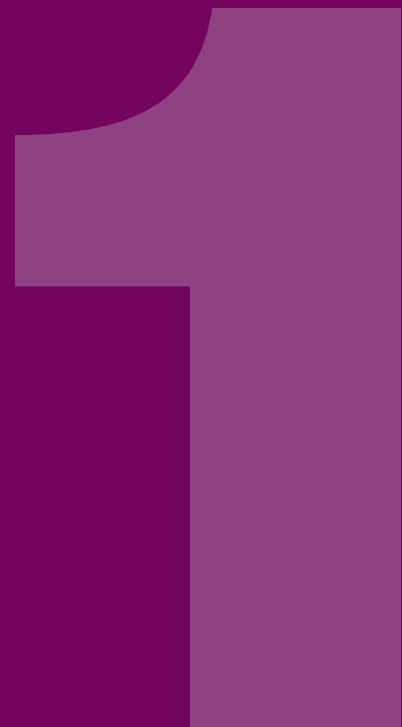
1. Socioeconomic Inequities: Equity Zone Mapping and Analysis (Population Characteristics, Health Equity, Crime, Encampments)
2. Urban Heat and Shade: Tree Canopy and Urban Heat Severity
3. Use and Experience: DEI Performance Assessment and Recreation Program Participation
4. Distribution, Condition, and Investment: Conditions Assessment, Accessibility Analysis (Walkshed), and Capital Investment History

<sup>4</sup> Creating Equity-Based System Master Plans, "System-wide Park Master Plans - Grounded in Equity" <<https://www.nrpa.org/publications-research/best-practice-resources/creating-equity-based-system-master-plans/>>.





# SOCIOECONOMIC INEQUITIES



*Are there areas where populations have disproportionately poorer health conditions?*  
*Are there areas of the city that have higher rates of crime?*  
*How do housing types and density relate to the Equity Zones?*

## Socioeconomic Inequities

- **Equity Zone Mapping**
  - CDC Social Vulnerability
  - Rental Tenure
  - Public Health Data
  - Crime Frequency
  - Informal Housing
  - Encampment Frequency
- **Equity Zone Analysis**
  - Housing Types
  - Crime
  - Encampments



# EQUITY ZONE MAPPING



## Equity Zone Summary

A foundational component of this effort is the identification of “Equity Zones,” or areas of the City of Tempe with above average concentrations and risks of socioeconomic inequity and public health concerns.

Map 1 highlights Equity Zones identified within the City of Tempe. Equity Zones signify areas that may benefit from targeted investments to advance equitable outcomes within Tempe.

The Equity Zones are identified through layering and weighting factors. Multiple considerations helped determine how factors are weighed, including top challenges to equity derived from community perceptions.

Factors in the Equity Zones include Centers for Disease Control (CDC) Social Vulnerability Index (SVI) consisting of 16 socioeconomic factors, the CDC’s Healthy Places data of asthma prevalence, mental health distress and physical inactivity, rental tenure, crime concentrations, and places of informal housing encampments (Table 1). More detailed information on how these factors are represented in the Equity Zones is provided in the following methodology.

The Equity Zones are broken into three categories of "Very High Priority", "High Priority" and "Medium Priority" classification. "Very High Priority" Equity Priority Zones are areas where the highest number of factors overlap. It should be noted that there may be instances where some factors are present in areas highlighted as “Not an Equity Priority Area” on Map 1. However, these are areas where multiple factors are not overlapping.

| Table 1 Equity Zone Factors |                                                                                                                                                        |                                           |                                                                                                                                                                                                                |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| #                           | Equity Priority Factors                                                                                                                                | Priority Factor Input                     | Source                                                                                                                                                                                                         |
| 1                           | CDC Social Vulnerability Index 2020: Socioeconomic Status, Household Characteristics, Racial & Ethnic Minority Status, Housing Type and Transportation | 16 social factors variables               | Centers for Disease Control and Prevention/ Agency for Toxic Substances and Disease Registry/ Geospatial Research, Analysis, and Services Program. CDC/ATSDR Social Vulnerability Index 2020 Database Arizona. |
| 2                           | Rental Tenure                                                                                                                                          | Census tracts with > 50% renters          | Census Data: (ACS) 2017-2021 5-year estimates                                                                                                                                                                  |
| 3                           | CDC Places Health Data 2022                                                                                                                            | Asthma health prevalence                  | Division of Population Health, National Center for Chronic Disease Prevention and Health Promotion                                                                                                             |
|                             |                                                                                                                                                        | Mental health distress                    |                                                                                                                                                                                                                |
|                             |                                                                                                                                                        | Physical inactivity                       |                                                                                                                                                                                                                |
| 4                           | Crime Concentrations                                                                                                                                   | Serious crimes                            | City of Tempe 2019 - 2022                                                                                                                                                                                      |
| 5                           | Places of Informal Housing Encampments                                                                                                                 | Half mile buffer of confirmed encampments | City of Tempe 2022                                                                                                                                                                                             |

### Equity Zones Priority

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

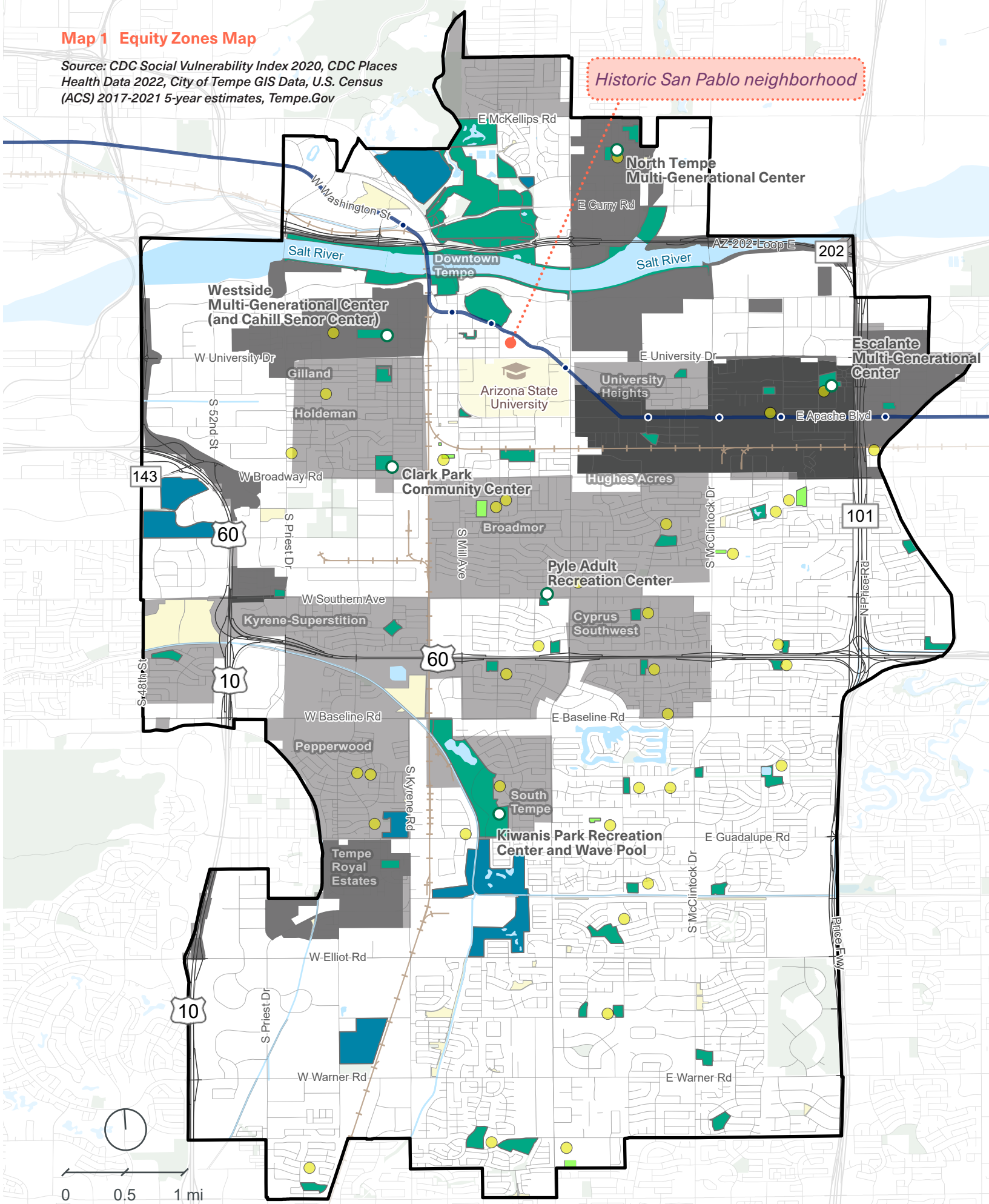
### Legend

- Tempe Parks and Recreation
- Special Use Parks
- SURF Parks
- HOA/Private Parks
- Other County Parks and Open Space
- Recreation Centers
- Public Schools in City of Tempe
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

Equity Zones with "Very High Priority" are located within and around University Heights. "High" and "Medium Priority" Equity Zones also exist mainly in Tempe’s north and central areas.

### Map 1 Equity Zones Map

Source: CDC Social Vulnerability Index 2020, CDC Places Health Data 2022, City of Tempe GIS Data, U.S. Census (ACS) 2017-2021 5-year estimates, Tempe.Gov



Industrial and commercial zoning is overlaid in white as those areas of the census blocks do not contain residences.





Equity Zone Mapping Methodology

Priority Factors

Socioeconomic Inequity and Health Equity Data

The Equity Zones are created by overlaying several factors that serve as proxies for socioeconomic and health inequities. This creates a composite map. The data is available primarily by census block. Census blocks that are above Tempe's median average in the respective category are identified. The density of populations and housing types is accounted for in weighing variables, as described in the concluding analysis. Weighting is not applied to individual variables but to the five groupings of categories, as detailed under each dataset description (pages 10-13).

The Priority factors are stratified on a scale of “Very High,” “High,” and “Medium” concentration of each respective variable. The stratification varies based on the characteristics of the data. Maps showing the individual composite layers (Map 2) are on Page 14.

Datasets Included in Equity Zones

1. CDC SOCIAL VULNERABILITY INDEX 2020

Methodology: Natural breaks for the SVI Overall Ranking

- 16 Variables have equal ratings

About the CDC Social Vulnerability Index

"The CDC/ATSDR SVI uses U.S. Census data to determine the social vulnerability of every census tract. Census tracts are subdivisions of counties for which the Census collects statistical data. The CDC/ATSDR SVI ranks each tract on 16 social factors and groups them into four related themes. Each tract receives a separate ranking for each of the four themes (Socioeconomic Status, Household Characteristics, Racial and Ethnic Minority Status, Housing Type and Transportation), as well as an overall ranking."<sup>1</sup>

Variables included in CDC Social Vulnerability Index 2020 (16 variables)

Socioeconomic Status

1. Below 150% Poverty
2. Unemployed
3. Housing Cost Burden
4. No High School Diploma
5. No Health Insurance

<sup>1</sup> Centers for Disease Control and Prevention/ Agency for Toxic Substances and Disease Registry/ Geospatial Research, Analysis, and Services Program. CDC/ATSDR Social Vulnerability Index 2020 Database Arizona



Household Characteristics

6. Aged 65 & Older
7. Aged 17 & Younger
8. Civilian with a Disability
9. Single-Parent Households
10. English Language Proficiency

Racial and Ethnic Minority Status

11. Race and Ethnicity
  - » Hispanic or Latino (of any race)
  - » Black and African American, Not Hispanic or Latino
  - » American Indian and Alaska Native, Not Hispanic or Latino
  - » Asian, Not Hispanic or Latino
  - » Native Hawaiian and Other Pacific Islander, Not Hispanic or Latino
  - » Two or More Races, Not Hispanic or Latino
  - » Other Races, Not Hispanic or Latino

Housing Type and Transportation

12. Multi-Unit Structures
13. Mobile Homes
14. Crowded Housing
15. No Vehicle
16. Group Quarters

Source: Centers for Disease Control and Prevention/ Agency for Toxic Substances and Disease Registry/ Geospatial Research, Analysis, and Services Program. CDC/ATSDR Social Vulnerability Index 2020 Database Arizona.  
[https://www.atsdr.cdc.gov/placeandhealth/svi/data\\_documentation\\_download.html](https://www.atsdr.cdc.gov/placeandhealth/svi/data_documentation_download.html)

2. RENTAL TENURE: CENSUS TRACTS WITH > 50% RENTERS

ACS housing unit occupancy variables - boundaries (U.S. Census Bureau’s American Community Survey (ACS) 2017-2021 5-year estimates)

Methodology: Threshold Max Number for the Factor

- Variable has equal rating

About the Rental Tenure

Rental Tenure: Census tracts with > 50% renters is data from the American Community Survey (ACS) 5-year estimates shown by census tracts relating to housing occupancy, tenure, and median rent/housing value. The rental tenure provides an additional understanding of housing characteristics and is incorporated separately from the CDC Social Vulnerability Index.





Rental Tenure Variables (includes 1 variables)

- 1. ACS Housing Units Occupancy Variables Tract: Overall Renter Rate: Percent of Occupied Housing Units that are Renter-Occupied
  - » Percent of Occupied Housing Units that are Renter-Occupied. Data is used to measure the percent of the population that are that are Renter-Occupied.

Source: ACS) 2017-2021 5-year estimates

3. CDC PLACES HEALTH DATA 2022 (Population level analysis and community estimates) (3 variables)

Methodology: Threshold Max Number for the Factor

- 3 Variables have equal ratings

About the CDC Places Health Data

The following text from the CDC Places website provides detailed information regarding the health data methodology. "CDC PLACES provides health data for small areas across the country. This allows local health departments and jurisdictions, regardless of population size and rurality, to better understand the burden and geographic distribution of health measures in their areas and assist them in planning public health interventions."

CDC Places incorporates health population estimates to help indicate where health equity occurs. The three census tract CDC Places variables include Asthma health prevalence, Mental health distress and Physical inactivity for Adults aged 18 years or older. Other health variables are available within the CDC Places Health Data. This study highlights asthma health prevalence, mental health distress and physical inactivity as important signifier of equity relating to parks and recreation. Areas with higher concentrations of these public health variables could benefit from green space improvements and investments.

Variables included in CDC Places Health Data (3 variables)

- 1. Asthma health prevalence
  - » Weighted number of respondents aged ≥18 who answer “yes” both to both of the following questions: “Have you ever been told by a doctor, nurse, or other health professional that you have asthma?” and the question “Do you still have asthma?”
- 2. Mental health distress
  - » Respondents aged ≥18 years who report 14 or more days during the past 30 days during which their mental health was not good.
- 3. Physical inactivity
  - » Respondents aged ≥18 years who report 14 or more days during the past 30 days during which their physical health was not good.

Source: Division of Population Health, National Center for Chronic Disease Prevention and Health Promotion  
<https://www.cdc.gov/places/index.html>

4. CRIME CONCENTRATIONS 2019 - 2022  
Serious Crime Count: Census Tracts

2 Division of Population Health, National Center for Chronic Disease Prevention and Health Promotion  
<https://www.cdc.gov/places/index.html>



Methodology: Threshold Max Number for the Factor

- Variable has equal rating

About the Serious Crime Count

The Crime Concentrations data is part of the City of Tempe’s General Offense Crime Report Dataset. This dataset aggregates crime data to the associated census tract for a "Total Count" of crimes in the area. Crime considerations are incorporated into the equity zone factors to help understand areas that may require greater intervention in creating safe park settings. The crime data are a compilation of three years, recorded from 11/6/2019 at 12 AM through 11/5/2022 at 11:59 PM.

Serious crimes are filtered to include:

- Kidnapping
- Homicide
- Statutory Rape
- Sexual Conduct with a Minor
- Sexual Exploitation of a Minor

Or include the following words:

- Assault
- Robbery
- Burglary
- Theft (excluding identity theft)
- Sexual Assault
- Sexual Abuse
- Child Abuse
- Shooting

Source: City of Tempe

5. PLACES OF INFORMAL HOUSING ENCAMPMENTS BUFFER 2022  
Places of Informal Housing Encampments Point Data

Methodology: Half mile buffer equal weight

- Variable has equal rating

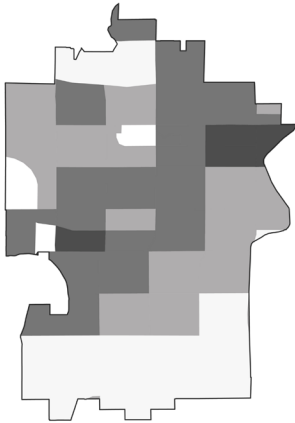
About the Informal Housing Encampments Buffer

The purpose of including this data is to account for locations of people likely to have not been accounted for in the U.S. Census, including transitional housing and managed shelters. The Places of Informal Housing Encampments are point data provided by the City of Tempe, displaying known and newly verified informal housing encampments. A half mile buffer is placed around the point data within the City of Tempe and shown as equal weight.

The Informal Housing Encampments Buffer is part of the consideration for the Equity Zones. However, it is important to note that this data is used with the understanding that not all informal housing encampments are stationary and might not reflect the actual locations of informal housing. Additionally, the Informal Housing Encampments data locations were collected from 2022 self-reported calls.

Source: City of Tempe

# EQUITY ZONE MAPPING



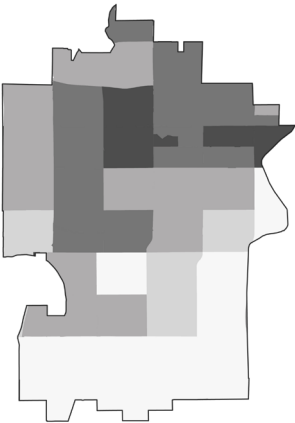
**CDC Social Vulnerability Index:**  
16 variables of Socioeconomic Status, Household Characteristics, Race and Ethnic Minority Status, and Housing Type and Transportation



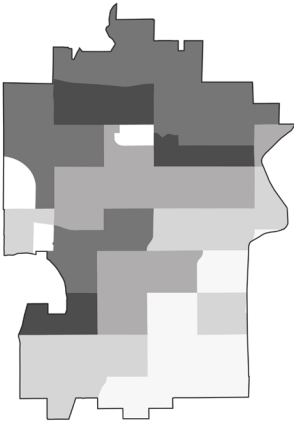
Map 2 Equity Zones Composite Layers

## Equity Zones Composite Layers

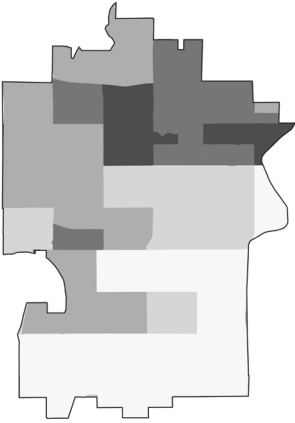
Map 2 displays individual layers included in the Equity Zones composite mapping. Map 3 combines the individual layers to show the final Equity Zones Composite.



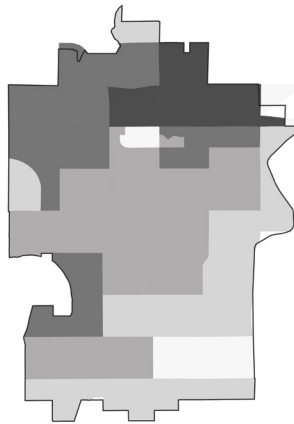
**CDC Places: Asthma Health Prevalence**



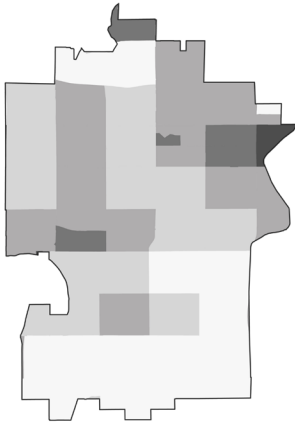
**Rental Tenure:**  
> 50% renters



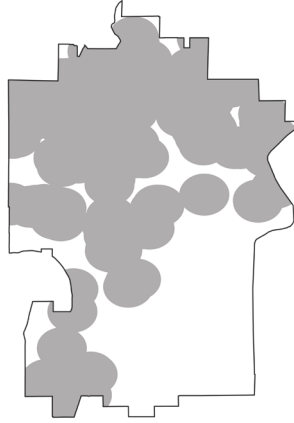
**CDC Places: Mental Health Distress**



**Crime Concentrations**



**CDC Places: Physical Inactivity**

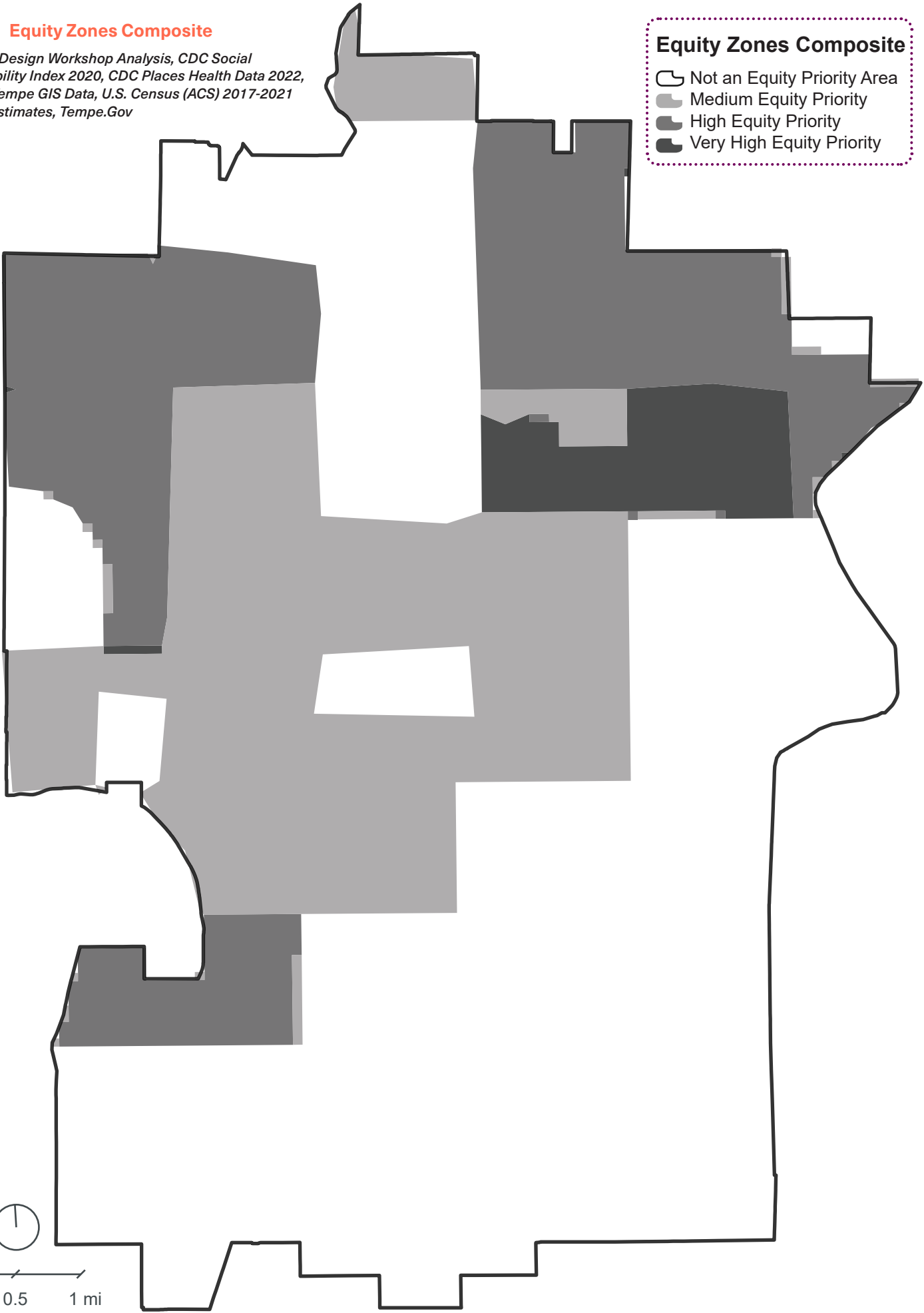


**Places of Informal Housing Encampments Buffer half mile**



Map 3 Equity Zones Composite

Source: Design Workshop Analysis, CDC Social Vulnerability Index 2020, CDC Places Health Data 2022, City of Tempe GIS Data, U.S. Census (ACS) 2017-2021 5-year estimates, Tempe.Gov



### Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority





Housing Types by Equity Zones

Residential Addresses

Population density is not included as a variable since it does not necessarily determine inequities within city services or quality of life. However, it is interesting to find there is a relationship between population density and equity zones (map not included). The housing type data is used for analysis because it provides greater detail to population density.

Map 4, Map 5 and Map 6 display residential address points in the City of Tempe. Examining citywide residential addresses helps communicate Equity Zones' housing density versus areas outside of Equity Zones. The majority of residential addresses within the City of Tempe are single family (Map 4). Most multifamily units, condos, apartments, or trailers are in the central and northern areas of the city (Map 5, Map 6).

Map 7 displays residential address points within an equity zone filtered by building type. Further analysis and breakdown of residential addresses are on Page 18.

Residential Address Points

- SFR (Detached Single-Family Residential)
- MF (Multifamily Unique Address - Townhome)
- MF\_S (Multifamily Unit - Condo, Apartment, Trailer)

Equity Zones Priority

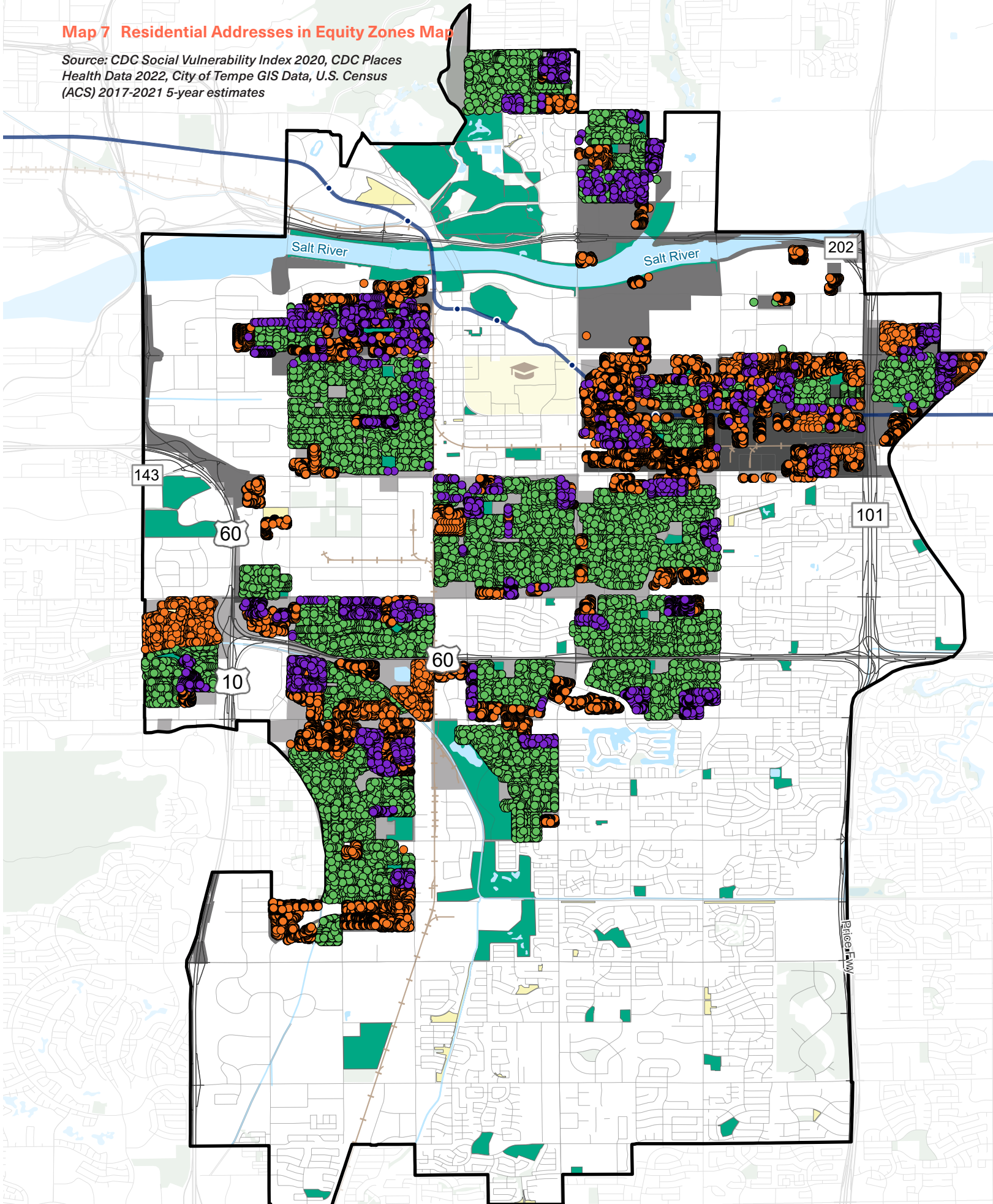
- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

Legend

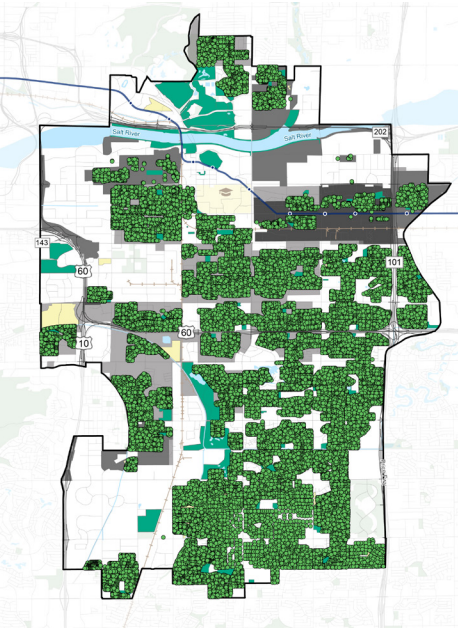
- Tempe Parks and Recreation
- HOA/Private Parks
- Other County Parks and Open Space
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

Map 7 Residential Addresses in Equity Zones Map

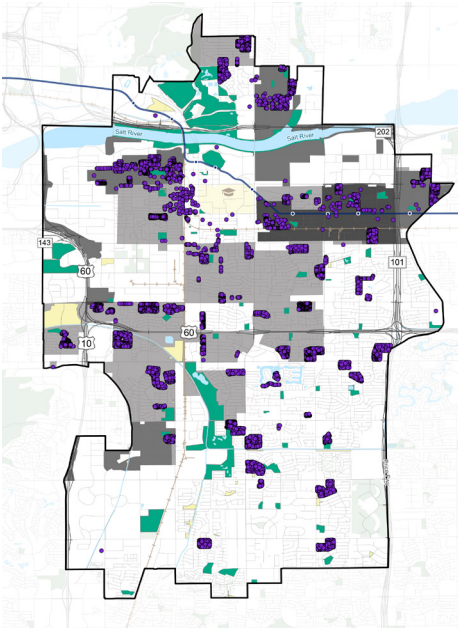
Source: CDC Social Vulnerability Index 2020, CDC Places Health Data 2022, City of Tempe GIS Data, U.S. Census (ACS) 2017-2021 5-year estimates



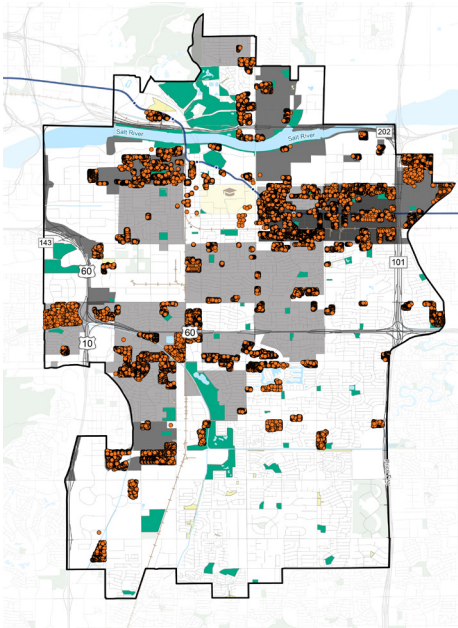
Map 4 SFR (Detached Single-Family Residential)



Map 5 MF (Multifamily Unique Address - Townhome)



Map 6 MF\_S (Multifamily Unit - Condo, Apartment, Trailer)







Residential Addresses in Equity Zones

Residential Addresses distribution

There are 86,623 residential address points in the City of Tempe (Table 2). Thirty-five percent are single family residents, eight percent are town homes (classified as "multifamily" in the data), and 56 percent are condos, apartments, or trailers.

Table 2 shows the breakdown of the following:

- Residential address points Tempe per building type;
- Residential address points within an Equity Zone per building type; and
- Residential address points within an Equity Zone per Equity Priority.

Table 3 shows the building type per equity priority for Very High Priority, High Priority and Medium Priority. The total percent highlights the proportion of residential addresses per building type that are within an equity zone compared to total residential address points in Tempe.

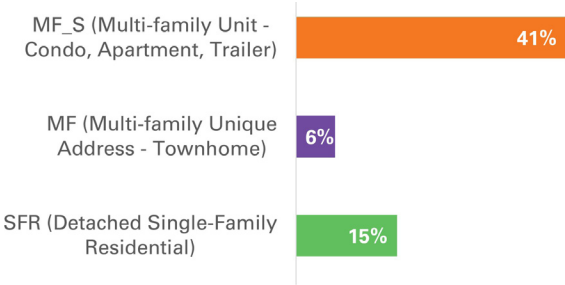
Over half of Tempe residential addresses are within an Equity Zone (62%).

Almost half of all housing in the city are multifamily units, condos, apartments, or trailers in an Equity Zone (41%).

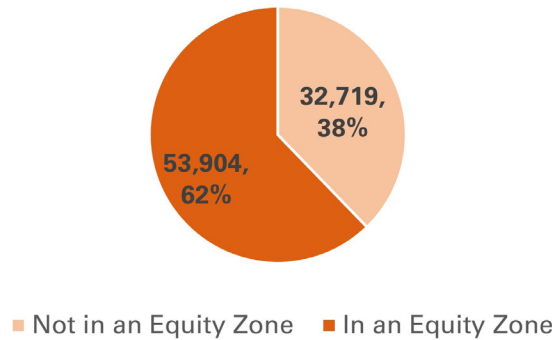
Three-quarters of residential addresses in an Equity Zone are multifamily units, condos, apartments, or trailers (75%). As a point of comparison, 42% of the homes not within an equity zone are multifamily units, condos, apartments, or trailers.

Thirty-one percent of the residential address points within an equity zone are in a medium priority. Thirty-two percent are in a high or very high equity zone.

Residential Addresses within an Equity Zone



All Residential Units



Residential Units in Equity Zones (Very High, High, Medium)

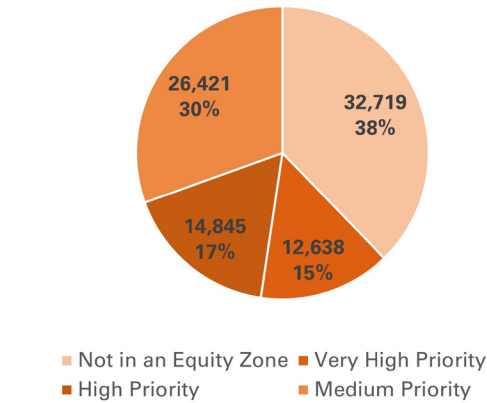


Table 2 Residential Addresses Points within Tempe

| Residential Address Points in Tempe                                 |                          |                              |
|---------------------------------------------------------------------|--------------------------|------------------------------|
| Residential Address Points in Tempe                                 | Number of Address Points | Percentage of Address Points |
| SFR (Detached Single Family Residential)                            | 30,440                   | 35%                          |
| MF (Multifamily Unique Address - Townhome)                          | 7,303                    | 8%                           |
| MF_S (Multifamily Unit - Condo, Apartment, Trailer)                 | 48,880                   | 56%                          |
| Total Residential Address Points                                    | 86,623                   | 100%                         |
| Within an Equity Zone                                               |                          |                              |
| Within an Equity Zone                                               | Number of Address Points | Percentage of Address Points |
| SFR (Detached Single Family Residential)                            | 13,270                   | 15%                          |
| MF (Multifamily Unique Address - Townhome)                          | 5,113                    | 6%                           |
| MF_S (Multifamily Unit - Condo, Apartment, Trailer)                 | 35,521                   | 41%                          |
| Total Residential Address Points within an Equity Zone              | 53,904                   | 62%                          |
| Within an Equity Zone per Equity Priority                           |                          |                              |
| Within an Equity Zone per Equity Priority                           | Number of Address Points | Percentage of Address Points |
| Residential Addresses within a Medium Priority                      | 26,421                   | 31%                          |
| Residential Addresses within a High Priority                        | 14,845                   | 17%                          |
| Residential Addresses within a Very High Priority                   | 12,638                   | 15%                          |
| Total Residential Address Points Within an Equity Zone per Priority | 53,904                   | 62%                          |

Source: Design Workshop Analysis, Tempe GIS Open Data: [Addresses](#) | [Data Catalog \(tempe.gov\)](#)

Table 3 Residential Addresses Per Building Type per Equity Priority

| Residential Addresses within a Very High Priority   |                          |                              |
|-----------------------------------------------------|--------------------------|------------------------------|
| Residential Addresses within a Very High Priority   | Number of Address Points | Percentage of Address Points |
| SFR (Detached Single Family Residential)            | 645                      | 1%                           |
| MF (Multifamily Unique Address - Townhome)          | 471                      | 1%                           |
| MF_S (Multifamily Unit - Condo, Apartment, Trailer) | 11,522                   | 21%                          |
| Total Residential Address Points                    | 12,638                   | 15%                          |
| Residential Addresses within a High Priority        |                          |                              |
| Residential Addresses within a High Priority        | Number of Address Points | Percentage of Address Points |
| SFR (Detached Single Family Residential)            | 2,208                    | 4%                           |
| MF (Multifamily Unique Address - Townhome)          | 1,390                    | 2%                           |
| MF_S (Multifamily Unit - Condo, Apartment, Trailer) | 11,247                   | 13%                          |
| Total Residential Address Points                    | 14,845                   | 17%                          |
| Residential Addresses within a Medium Priority      |                          |                              |
| Residential Addresses within a Medium Priority      | Number of Address Points | Percentage of Address Points |
| SFR (Detached Single Family Residential)            | 10,417                   | 19%                          |
| MF (Multifamily Unique Address - Townhome)          | 3,252                    | 4%                           |
| MF_S (Multifamily Unit - Condo, Apartment, Trailer) | 12,752                   | 15%                          |
| Total Residential Address Points                    | 26,421                   | 31%                          |

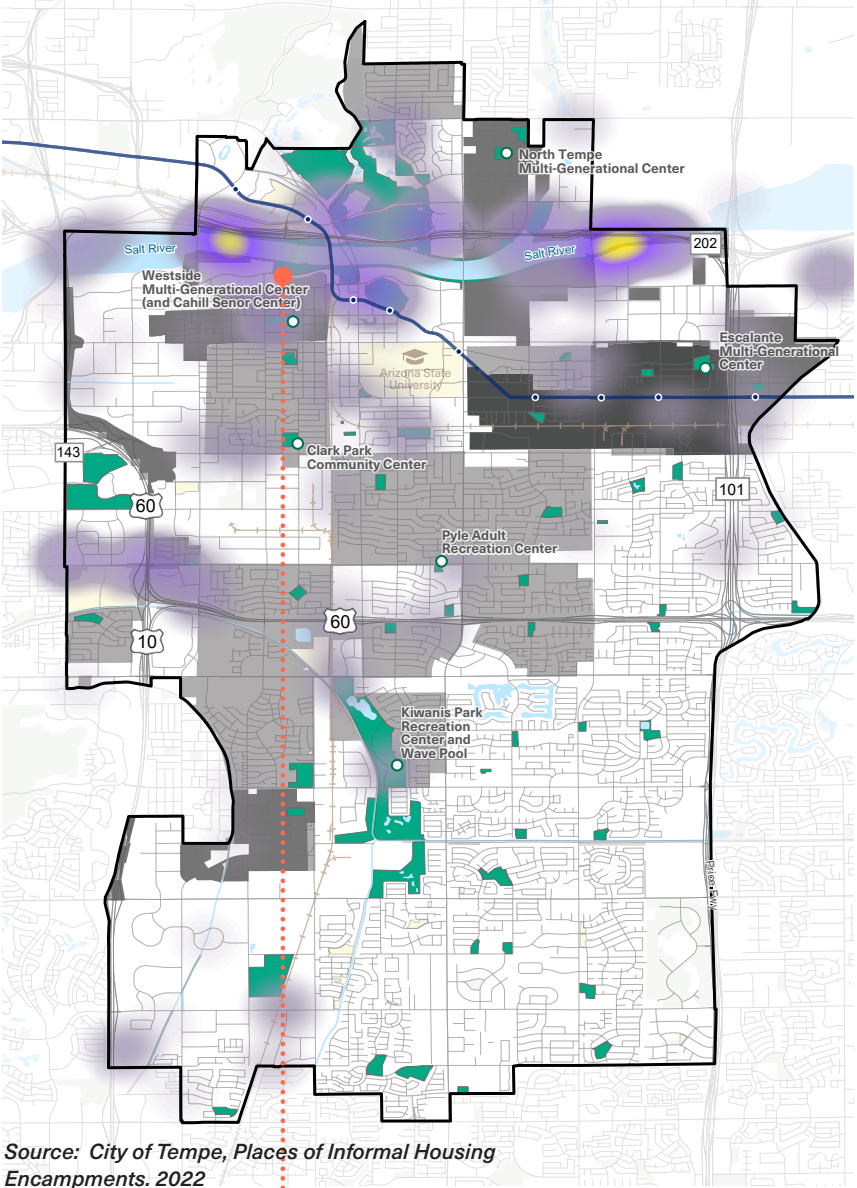
Source: Design Workshop Analysis, Tempe GIS Open Data: [Addresses](#) | [Data Catalog \(tempe.gov\)](#)



Places of Informal Housing in Equity Zones

Places of informal housing in Tempe have been found most prevalently in northern portions of Tempe, with the highest concentration near the Salt River, as seen in Map 8. It should be noted that areas along the western portion of the Salt River are zoned industrial; the Equity Zone map has been amended to not show areas with industrial and commercial activity as Equity Zones, since they do not host formally zoned residences.

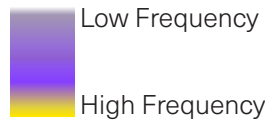
Map 8 Places of Informal Housing Encampments



Source: City of Tempe, Places of Informal Housing Encampments. 2022

Notably, **Rio Arts Park** lies between high concentrations of informal housing encampments and crime. Although the area surrounding Rio Arts Park is not identified as an Equity Zone as it is comprised mostly of commercial and industrial developments, Rio Arts Park has retained its designation as a park that is within an Equity Zone as an outcome of this specific analysis.

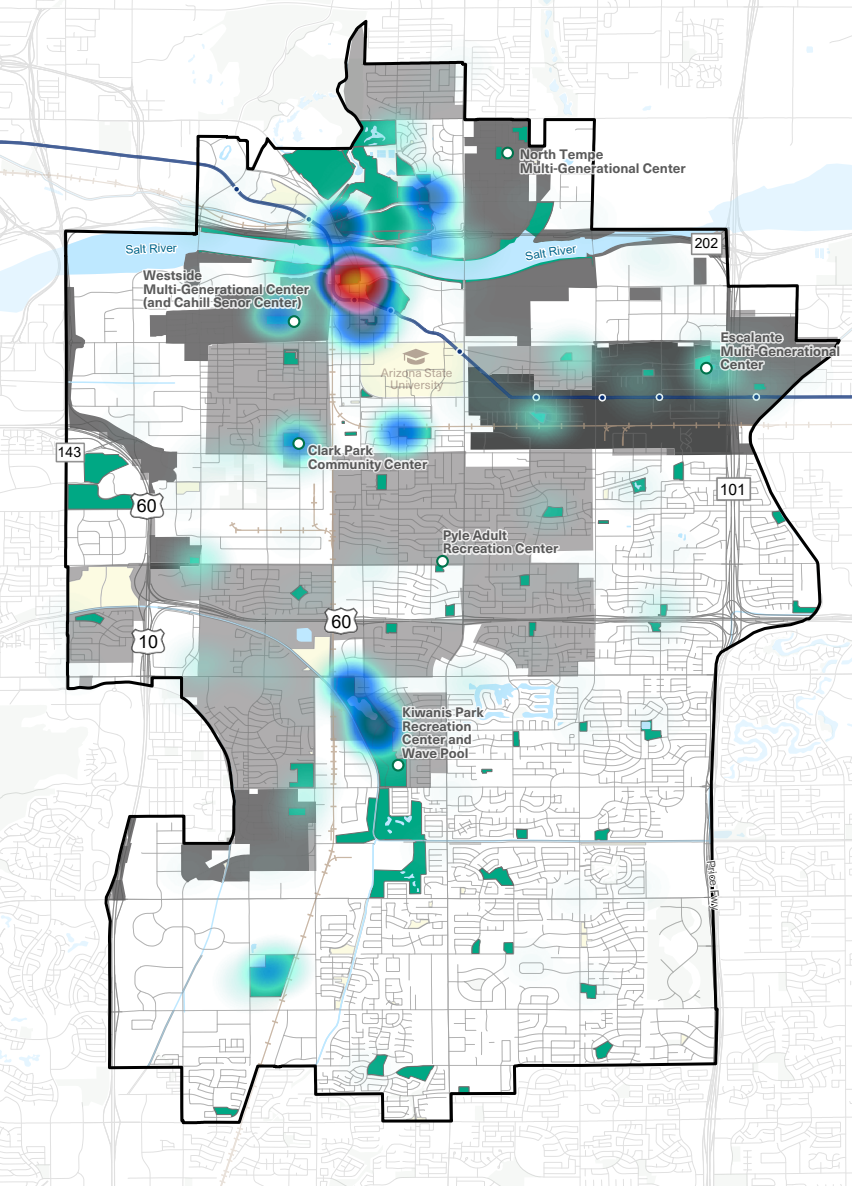
Places of Informal Housing Encampments



Places of High Frequency of Crime in Equity Zones

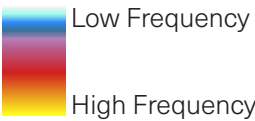
Places that encounter high crime rates are found south of the Salt River and Ash Ave (adjacent to Rio Salado Park and Rio Arts Park) and north of the river near the Desert Botanical Garden. Other areas of high crime are near Kiwanis Park and Recreation Center, south of ASU, and in the highest priority Equity Zone along the Apache Blvd. Corridor. A low frequency of crime occurs near the Tempe Sports Complex. See Map 9

Map 9 Places of High Frequency of Crime



Source: City of Tempe's General Offense Crime Report Dataset. Cumulative crime reports between November 2019 - November 2022. Crime data has been edited to include only those that are most relevant to park spaces.

Places of High Frequency of Crimes





# EQUITY ZONES ANALYSIS



## Parks and Facilities in Equity Zones

The Equity Zones help identify areas where investments could most impactfully enhance equity in park and recreation provisions. Map 10 displays Tempe's park and recreation facilities that are within Equity Zones. Table 4 provides a list of parks by Equity Priority Zone and Table 5 provides the Recreation Centers.

Indian Bend Wash Habitat is the only Natural Area (out of five) within an Equity Zone. Most Community Parks are within an Equity Zone. Five out of six Recreation Centers, (all but Pyle Adult Recreation Center) are located within an Equity Zone.

| Table 4 Parks and Recreation within an Equity Zone |                                                                 |              |
|----------------------------------------------------|-----------------------------------------------------------------|--------------|
| #                                                  | Very High Equity Zone                                           | Class        |
| 10                                                 | Escalante Park                                                  | Community    |
| 15                                                 | Parque de Soza*                                                 | Community    |
| 23                                                 | Alegre Park                                                     | Neighborhood |
| #                                                  | High Equity Zone                                                | Class        |
| 6                                                  | Rio Salado Park (Including Tempe Town Lake and non-named areas) | Regional     |
| 11                                                 | Esquer Park                                                     | Community    |
| 16                                                 | Indian Bend Park                                                | Community    |
| 17                                                 | Jaycee Park                                                     | Community    |
| 27                                                 | Celaya Park                                                     | Neighborhood |
| 38                                                 | Peterson Park                                                   | Neighborhood |
| 60                                                 | Victory                                                         | Special Use  |
| 63                                                 | Indian Bend Wash Habitat                                        | Natural Area |
| #                                                  | Medium Equity Zone                                              | Class        |
| 1                                                  | Kiwanis Park                                                    | Regional     |
| 2                                                  | Rio - Arts Park                                                 | Regional     |
| 7                                                  | Clark Park                                                      | Community    |
| 14                                                 | Hollis Park                                                     | Community    |
| 18                                                 | Meyer Park                                                      | Community    |
| 19                                                 | Mitchell Park                                                   | Community    |
| 24                                                 | Arredondo Park                                                  | Neighborhood |
| 30                                                 | Dwight Park                                                     | Neighborhood |
| 37                                                 | Palmer Park                                                     | Neighborhood |
| 43                                                 | Svob Park                                                       | Neighborhood |
| 45                                                 | Creamery Park                                                   | Urban        |
| 51                                                 | McKerny Middle School                                           | SURF         |
| 53                                                 | Benedict Sports Complex                                         | Special Use  |

### Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

### Within Equity Zones

- Tempe Parks and Recreation within Equity Zones

### Legend

- Tempe Parks and Recreation
- Recreation Centers
- HOA/Private Parks
- Other County Parks and Open Space
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

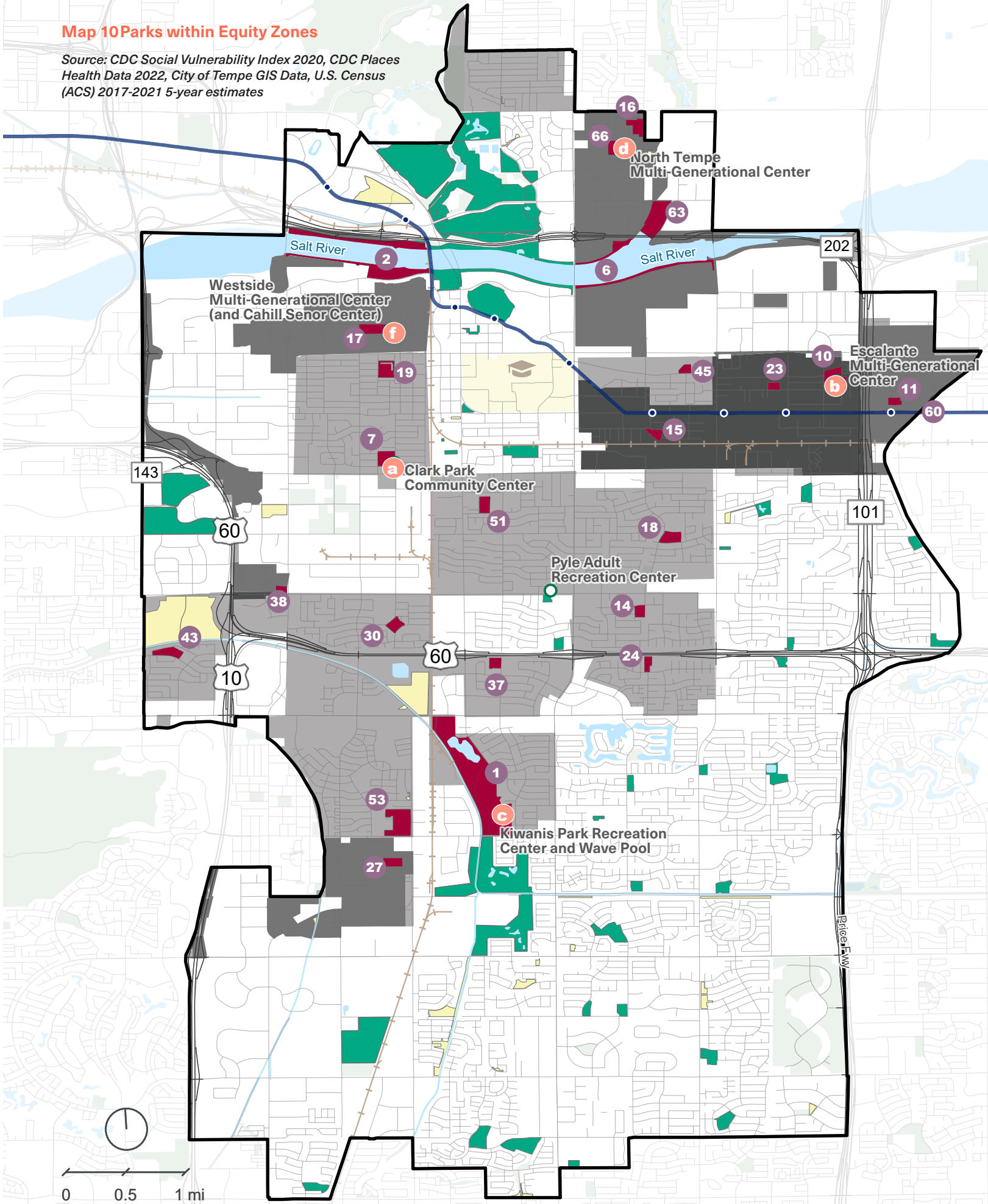
Table 5 Recreation Centers within an Equity Zone

| b | Escalante Multi-Generational Center                           |
|---|---------------------------------------------------------------|
| # | High Equity Zone                                              |
| f | Westside Multi-Generational Center (and Cahill Senior Center) |
| d | North Tempe Multi-Generational Center                         |
| # | Medium Equity Zone                                            |
| a | Clark Park Community Center                                   |
| c | Kiwanis Park Recreation Center and Wave Pool                  |

\*Parque de Soza formerly Hudson Park

### Map 10 Parks within Equity Zones

Source: CDC Social Vulnerability Index 2020, CDC Places Health Data 2022, City of Tempe GIS Data, U.S. Census (ACS) 2017-2021 5-year estimates



# URBAN HEAT AND SHADE



2



*Which areas are more susceptible to impacts of heat and sun?*



# URBAN HEAT AND SHADE

## Tree Canopy Coverage

The Tree Canopy Coverage Map (Map 12) uses census tracts to provide an evaluation of tree and shade coverage in Tempe.<sup>1</sup>

Most of Tempe's tree canopy coverage is between 5 and 13 percent. Areas with a higher percentage of coverage include Arizona State University, the neighborhood north of Scudder Park and southern Tempe.

## Tree Equity Score

The tree equity score (TES) (Map 11) evaluates the tree canopy coverage in the City of Tempe and relates it to community composition factors. The Tree Equity Score was developed from a separate city study and creates a composite map with socioeconomic and demographic data and tree canopy coverage to understand equity in canopy coverage at a neighborhood scale. The TES shows each Census Block Group with a score from 0 to 100. 0 represents the lowest tree equity score and 100 the highest. More information can be found on the [Tree Equity Score methodology page](#).<sup>2</sup>

Most of Tempe has a tree equity score between 40 and 89. The areas surrounding Arizona State University, the neighborhood north of Scudder Park and southern Tempe have the highest tree equity score.



### Tempe Canopy Cover

Percent coverage

- 5 to 9 percent Lowest Canopy Coverage
- 9 to 13 percent
- 13 to 17 percent
- 17 to 20 percent
- 20 to 25 percent Highest Canopy Coverage

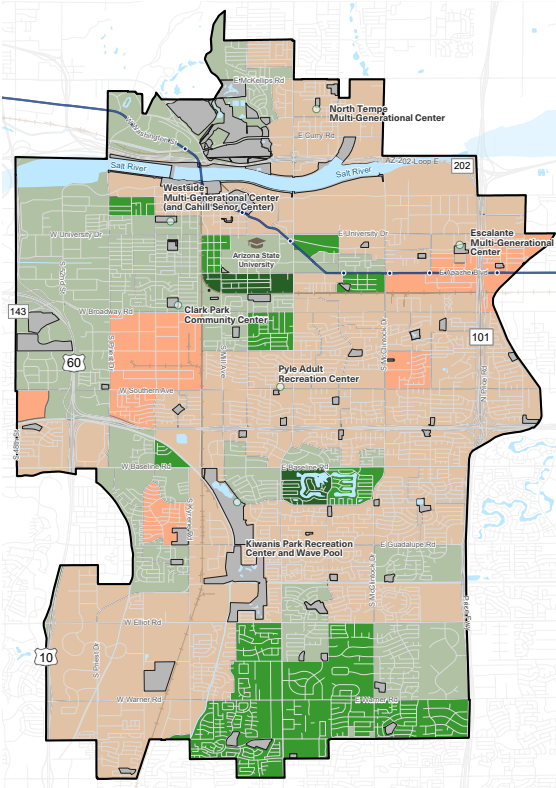
### Legend

- City Tree Inventory\*
- Tempe Parks and Recreation
- Recreation Centers
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

\*Includes city parks, street right-of-ways and municipally owned and managed facilities.

### Map 11 Tree Equity Score Map

Source: Tree Equity Score <https://treeequityscore.org/>, City of Tempe GIS Data

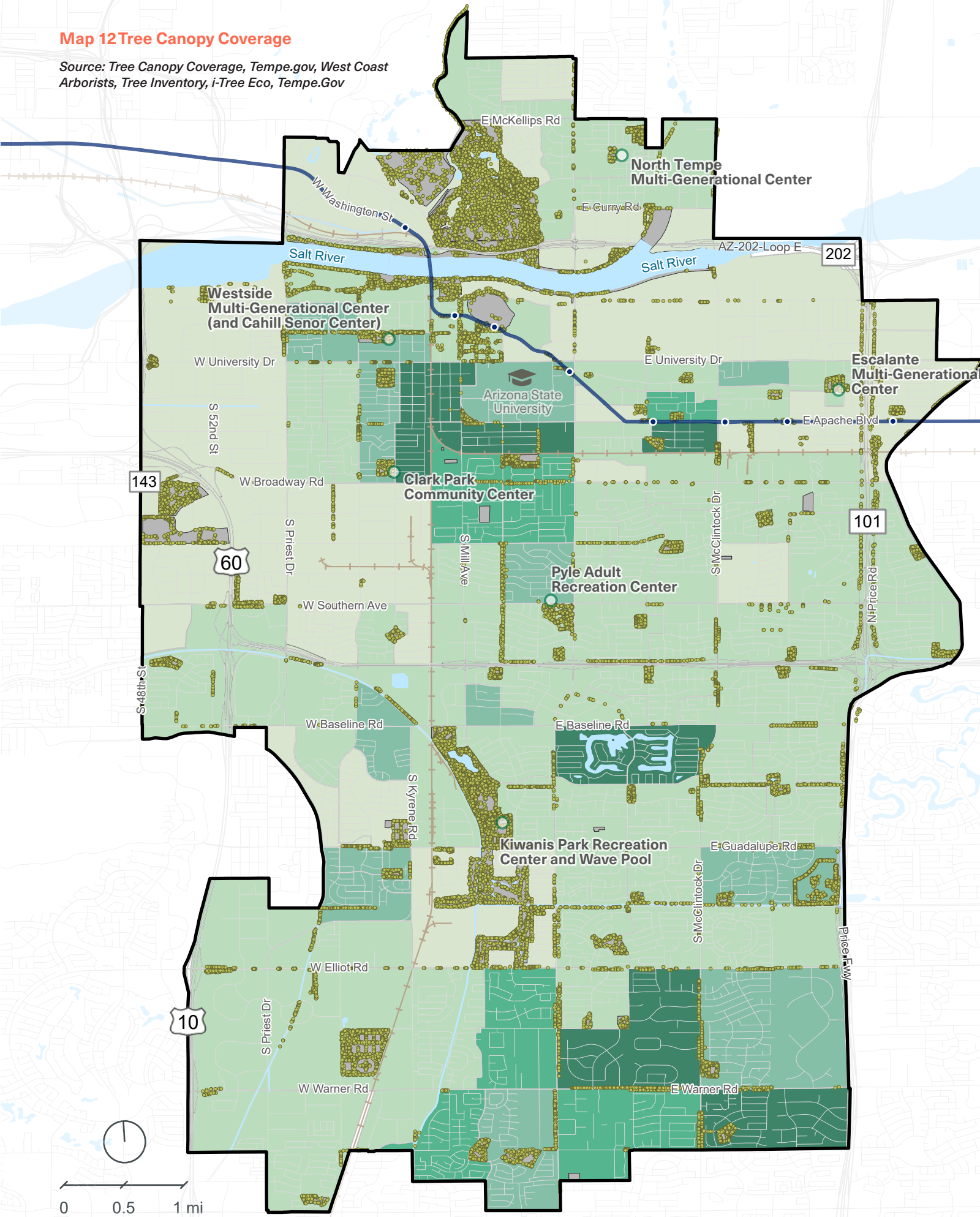


### Tree Equity Score

- 40-63 Lowest tree canopy cover score
- 64-79
- 80-89
- 90-99
- 100 Highest tree canopy cover score

### Map 12 Tree Canopy Coverage

Source: Tree Canopy Coverage, Tempe.gov, West Coast Arborists, Tree Inventory, i-Tree Eco, Tempe.Gov



<sup>1</sup> <https://tempe-urban-forest-tempegov.hub.arcgis.com/>  
<sup>2</sup> <https://treeequityscore.org/>



# URBAN HEAT AND SHADE

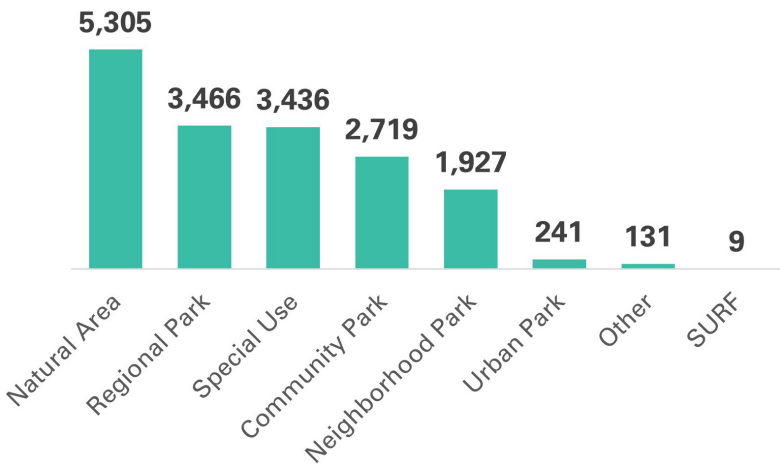


## City Tree Coverage in Equity Zones Analysis

The Tree Coverage in Equity Zones Map (Map 13) looks at the relationship between the tree point data and parks in Equity Zones to determine if there are potential gaps.

The tree coverage in Equity Zones is determined by clipping the tree inventory point data to Tempe parks and recreation spaces. A 150 foot buffer around the parks is used to help capture city trees within parks and adjacent to right-of-ways. There are 26,264 city tree inventory points included in the city tree inventory. There are 17,234 tree inventory points within the 150 foot park buffer of parks (66% of trees within the inventory are within or adjacent to Tempe's parks). Natural areas have the most parks and urban parks the least.

Number of City Tree Inventory Points per Park Classification



## Number of Existing Trees Per Acre

The tree point data is divided by the acres of each park (Table 6) to account for differences in park size. This allows for a more fair comparison of tree coverage.

### Rating scale for Number of Existing Trees Per Acre

Tree Density Per Park Scale:

- No Trees: 0
- Very Low:  $\leq 8$
- Low: 8 to 13
- Medium: 13 to 30
- High: 30 to 100
- Very High:  $\geq 100$

## Map 13 Tree Coverage in Equity Zones

Source: Design Workshop analysis, Tree Canopy Coverage, Tempe.gov, West Coast Arborists, Tree Inventory, i-Tree Eco, Tempe.Gov

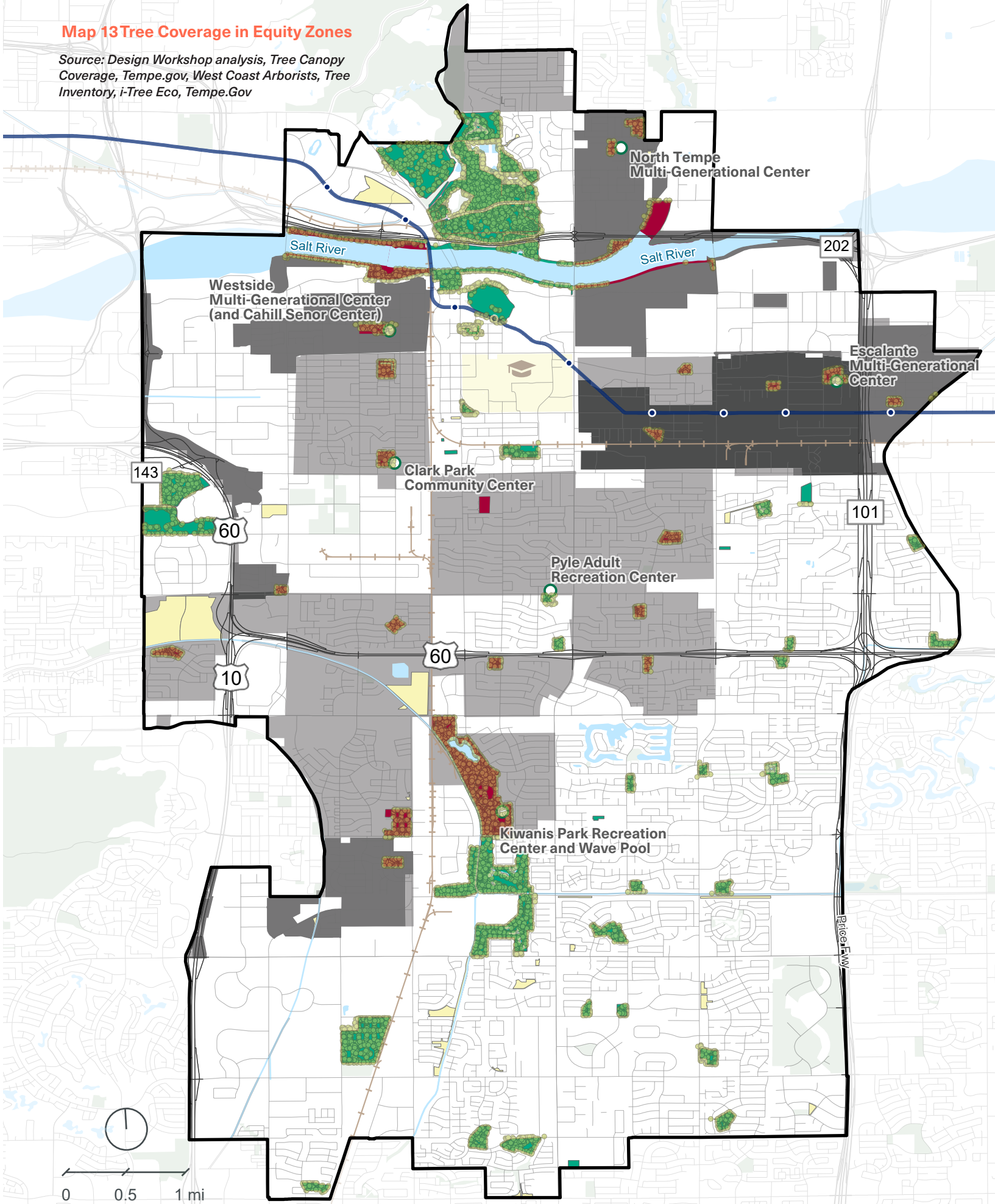






Table 6 Rating scale for Number of Existing Trees Per Acre

| Name                     | Area Acres | Tree Inventory Points | Tree Per Acre | Score    |
|--------------------------|------------|-----------------------|---------------|----------|
| Alegre Park              | 3.16       | 23                    | 7.26          | Very Low |
| Arredondo Park           | 3.53       | 69                    | 19.55         | Medium   |
| Benedict Sports Complex  | 20.31      | 149                   | 7.33          | Very Low |
| Birchett Park            | 1.95       | 100                   | 51.21         | High     |
| Campbell Park            | 6.51       | 81                    | 12.44         | Low      |
| Celaya Park              | 5.73       | 105                   | 18.33         | Medium   |
| Clark Park               | 9.13       | 110                   | 12.05         | Low      |
| Cole Park                | 3.46       | 79                    | 22.82         | Medium   |
| Connolly Middle School   | 6.44       | 9                     | 1.40          | Very Low |
| Corbell Park             | 13.85      | 104                   | 7.51          | Very Low |
| Corona del Sol High      | 2.48       | 0                     | 0.00          | None     |
| Creamery Park            | 3.21       | 39                    | 12.15         | Low      |
| Daley Park               | 14.07      | 290                   | 20.60         | Medium   |
| Daumler Park             | 4.45       | 104                   | 23.36         | Medium   |
| Diablo Stadium Complex   | 58.94      | 216                   | 3.66          | Very Low |
| Double Butte Cemetery    | 38.27      | 654                   | 17.09         | Medium   |
| Dwight Park              | 5.49       | 58                    | 10.56         | Low      |
| Ehrhardt Park            | 6.74       | 132                   | 19.58         | Medium   |
| Escalante Park           | 9.62       | 206                   | 21.41         | Medium   |
| Esquer Park              | 3.29       | 98                    | 29.77         | Medium   |
| Estrada Park             | 7.58       | 185                   | 24.40         | Medium   |
| Evelyn Hallman Park      | 37.09      | 661                   | 17.82         | Medium   |
| Gaicki Park              | 2.87       | 66                    | 23.03         | Medium   |
| Goodwin Park             | 7.68       | 127                   | 16.54         | Medium   |
| Hanger Park              | 15.32      | 148                   | 9.66          | Low      |
| Hayden Butte Preserve    | 42.28      | 156                   | 3.69          | Very Low |
| Hollis Park              | 4.20       | 104                   | 24.77         | Medium   |
| Indian Bend Park         | 7.22       | 184                   | 25.50         | Medium   |
| Indian Bend Wash Habitat | 23.78      | 70                    | 2.94          | Very Low |
| Jaycee Park              | 11.29      | 209                   | 18.50         | Medium   |
| Joyce Park               | 3.99       | 66                    | 16.54         | Medium   |
| Ken McDonald Golf Course | 153.57     | 1152                  | 7.50          | Very Low |
| Kiwanis Park             | 124.61     | 1900                  | 15.01         | Medium   |
| Marcos de Niza High      | 1.40       | 0                     | 0.00          | None     |



| Name                                                            | Area Acres | Tree Inventory Points | Tree Per Acre | Score     |
|-----------------------------------------------------------------|------------|-----------------------|---------------|-----------|
| Mary and Moses Green Park                                       | 11.80      | 129                   | 10.93         | Low       |
| McClintock High School                                          | 1.11       | 0                     | 0.00          | None      |
| McKemy Middle School                                            | 6.11       | 0                     | 0.00          | None      |
| Meyer Park                                                      | 7.54       | 152                   | 20.15         | Medium    |
| Michelle Brooks-Totress Park                                    | 4.05       | 51                    | 12.61         | Low       |
| Mitchell Park                                                   | 8.05       | 159                   | 19.74         | Medium    |
| Moeur Park                                                      | 7.95       | 448                   | 27.49         | Medium    |
| Northside Multi-Gen                                             | 3.36       | 69                    | 20.51         | Medium    |
| Optimist Park                                                   | 10.21      | 109                   | 10.67         | Low       |
| Palmer Park                                                     | 4.33       | 77                    | 17.80         | Medium    |
| Papago Park                                                     | 8.31       | 551                   | 40.06         | High      |
| Papago Preserve                                                 | 1.32       | 3970                  | 16.96         | Medium    |
| Parque de Soza                                                  | 4.35       | 68                    | 15.62         | Medium    |
| Peterson Park                                                   | 2.85       | 73                    | 25.62         | Medium    |
| Plazita de Descanso                                             | 0.15       | 18                    | 116.15        | Very High |
| Pyle Adult Recreation                                           | 2.25       | 62                    | 27.55         | Medium    |
| Ragsdale-MLK Park                                               | 1.76       | 184                   | 104.23        | Very High |
| Rio - Arts Park                                                 | 22.56      | 458                   | 20.30         | Medium    |
| Rio - Giuliano Park                                             | 12.96      | 0                     | 0.00          | None      |
| Rio - Marina                                                    | 15.88      | 97                    | 6.11          | Very Low  |
| Rio - Tempe Beach Park                                          | 18.66      | 223                   | 11.95         | Low       |
| Rio Salado Park (Including Tempe Town Lake and non-named areas) | 10.79      | 788                   | 2.43          | Very Low  |
| Rolling Hills Golf Course                                       | 95.42      | 290                   | 3.04          | Very Low  |
| Rotary Park                                                     | 2.98       | 68                    | 22.82         | Medium    |
| Scudder Park                                                    | 3.66       | 86                    | 23.52         | Medium    |
| Selleh Park                                                     | 6.46       | 114                   | 17.65         | Medium    |
| Stroud Park                                                     | 5.63       | 97                    | 17.22         | Medium    |
| Svob Park                                                       | 7.54       | 171                   | 22.69         | Medium    |
| Tempe High School                                               | 1.54       | 0                     | 0.00          | None      |
| Tempe Sports Complex                                            | 60.16      | 627                   | 10.42         | Low       |
| Tempe Woman's Club Park                                         | 4.50       | 333                   | 73.89         | High      |
| Victory                                                         | 0.11       | 15                    | 133.31        | Very High |
| Waggoner Park                                                   | 3.65       | 93                    | 11.89         | Low       |

# URBAN HEAT AND SHADE

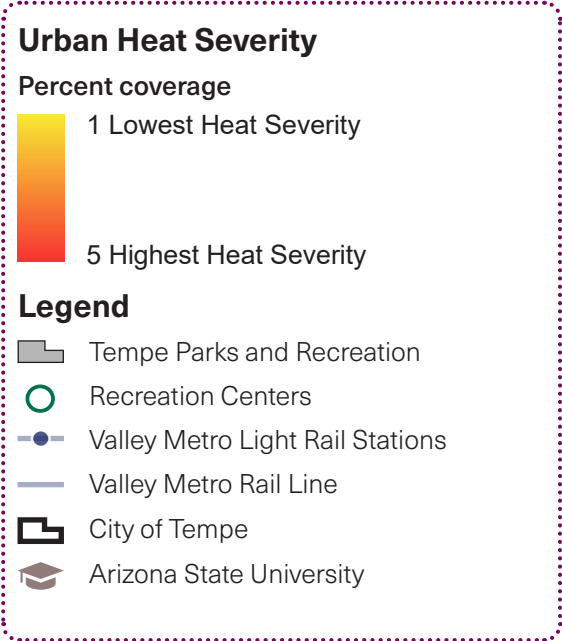
## Urban Heat

### Urban Heat Severity Map

Map 15 identifies the relative heat severity in Tempe to help determine areas of the city with above average temperatures. The data shows heat severity from the summer months of 2019 to 2020 with a scale of lowest heat score (slightly above the mean for the city) and severe heat area (significantly above the mean).<sup>1</sup>

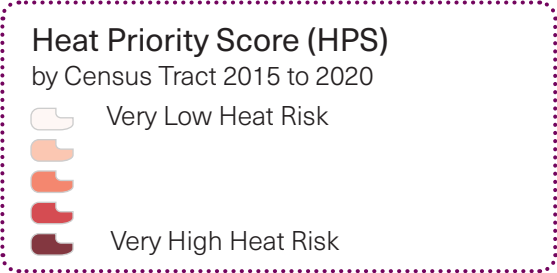
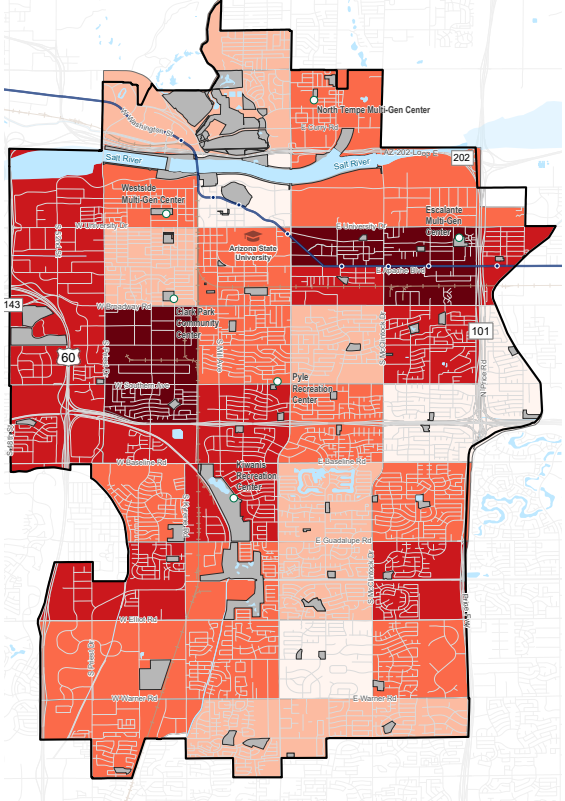
### Heat Priority Score (HPS)

Map 14 displays the Heat Priority Score (HPS) in the City of Tempe. The Heat Priority Score was developed from a separate Arizona State University study<sup>2</sup> that assessed urban heat severity in relationship to areas of high percentages of the population being at most heat-risk (seven socioeconomic and health factors). The map rates census tracts on a scale of 'Very High Heat Risk' to 'Very Low Heat Risk'. The Heat Priority Score map shows almost all of Tempe's western border and the area surrounding ASU as 'High Heat Risk.' The Apache Boulevard corridor and blocks between Broadway Road and Southern Avenue are identified as 'Very High Heat Risk'.

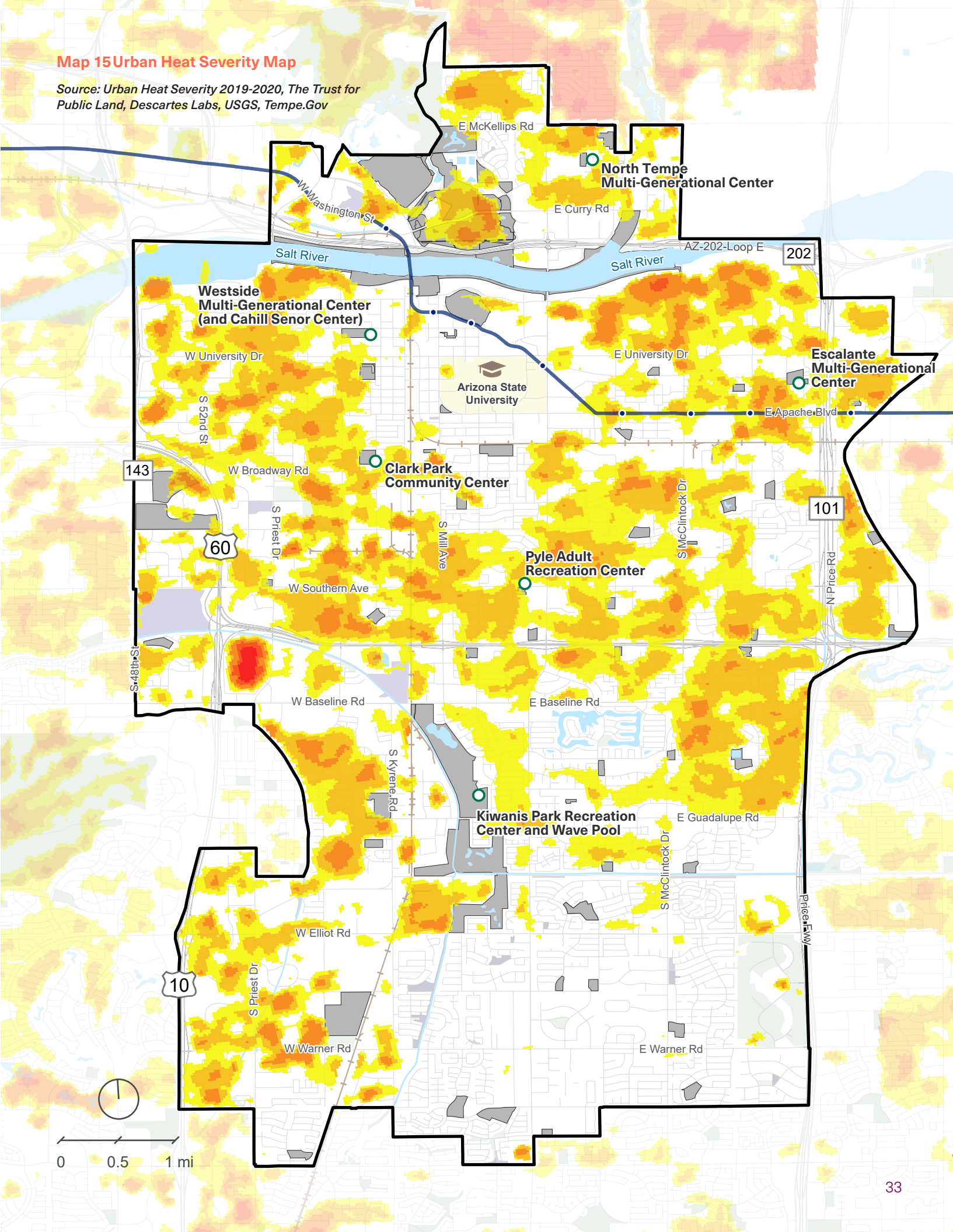


Map 14 Heat Priority Score (HPS)

Source: City of Tempe, ASU Technical Report, Tempe Urban Development II 2020



<sup>1</sup> 2022 Trust for Public Land. [www.tpl.org](http://www.tpl.org)  
<sup>2</sup> ASU Technical Report, Tempe Urban Development II 2020, Establishing an Urban Heat Exposure Severity Score for Infrastructure Prioritization in Tempe, Arizona, Using NASA Earth Observations and LiDAR





# URBAN HEAT AND SHADE

## Urban Heat in Equity Zones Analysis

The Urban Heat in Equity Zones Map (Map 16) examines the relationship between heat severity and Equity Zones to determine which areas are the most susceptible to urban heat.

The urban heat severity aligns closely with areas of the city with Equity Zones, specifically areas surrounding ASU and downtown Tempe. The southeast corner of Tempe does not have high heat severity and is not within an equity zone.

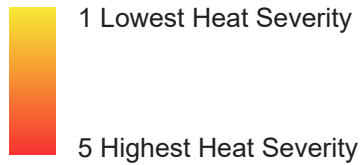


### Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

### Urban Heat Severity

Percent coverage

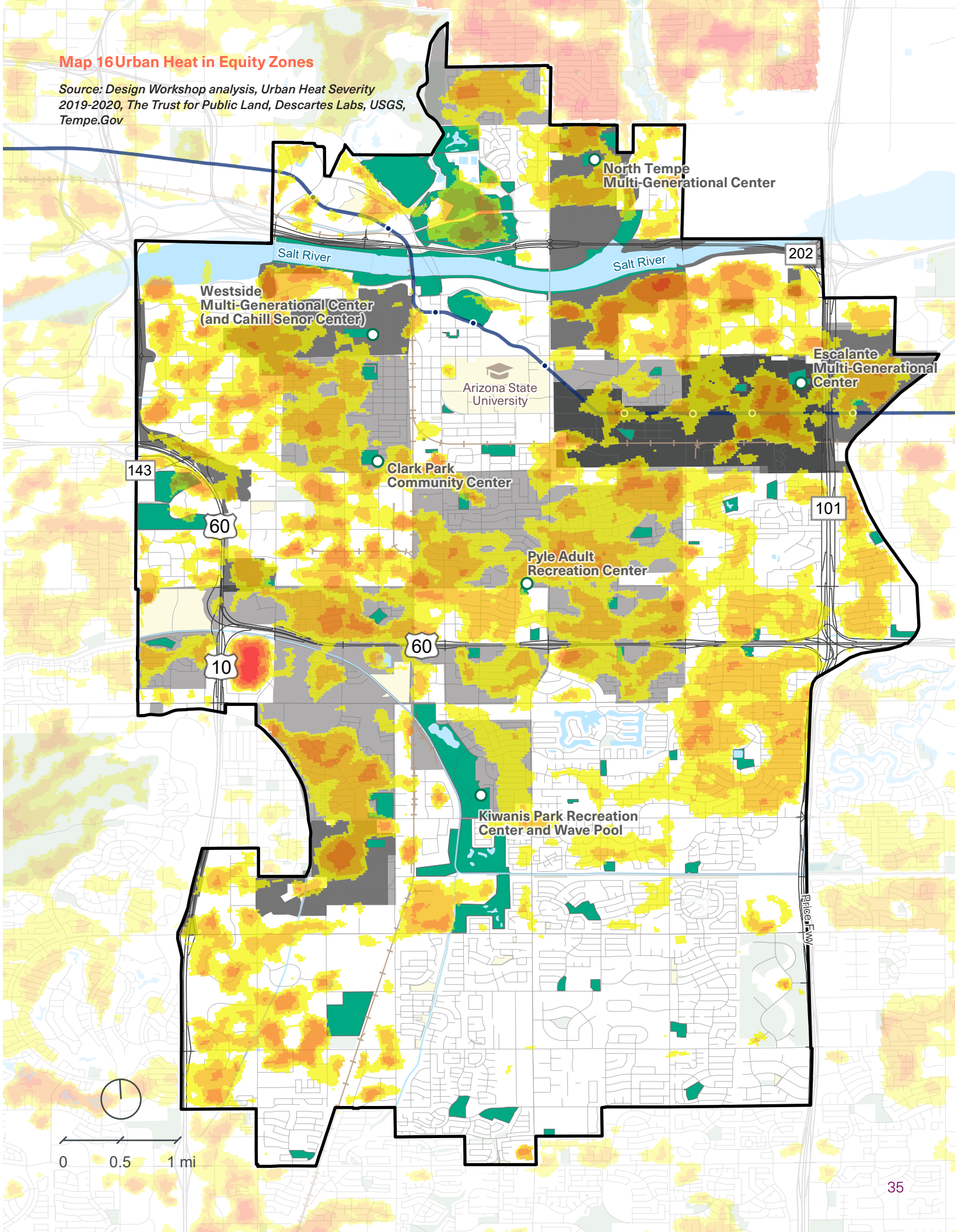


### Legend

- Tempe Parks and Recreation
- HOA/Private Parks
- Other County Parks and Open Space
- Recreation Centers
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

Map 16 Urban Heat in Equity Zones

Source: Design Workshop analysis, Urban Heat Severity 2019-2020, The Trust for Public Land, Descartes Labs, USGS, Tempe.Gov



# USE AND EXPERIENCE



3

## Use and Experience

- DEI Performance Assessment
- Program Participation Assessment



*Are our parks and facilities inclusive?*

*Our our programs and spaces  
serving everyone?*



### DEI Performance Assessment Methodology

The DEI Performance Assessment evaluates the performance of Tempe’s parks and recreation facilities through an equity lens, specifically considering diversity, equity, and inclusion.

This tool captures community members' perceptions and personal feelings about spaces and turns them into a quantitative assessment, something that a traditional technical conditions assessment lacks. The observations and responses guide city park and recreation staff and partners in discovering the performance of these public spaces to identify why some spaces and programs serve our community members better than others.

The DEI Performance Assessment was conducted by diverse Parks and Recreation staff, the consultant team, and primarily Community Navigators. Community Navigators are community members that the City of Tempe hired to help bridge gaps in outreach between the Parks and Recreation Department and the community. Their role in the DEI Park Workbook Assessment was to walk through park and recreation spaces and complete an assessment using the questions contained within the workbook and questions they asked of park and facility users.

Community Navigators are encouraged to use their unique perspectives to help identify challenges based on lived experiences. The evaluations consider personal experiences, backgrounds, knowledge, bias, identity and perceptions that all factor into how locations are scored regarding DEI.

Ten Community Navigators and the City of Tempe staff members completed 332 assessments. They evaluated 42 parks and recreation facilities. It is important to note that 28 parks and recreation facilities were not evaluated. Rio Arts Park, Rio Giuliano Park, and Rio Tempe Beach Park were evaluated and scored as one park, with Rio Arts Park within an equity zone.

The four categories of the assessment include:

- 
  - Social Mixing + Activation (S)
- 
  - Program Diversity (P)
- 
  - Feeling of Safety (F)
- 
  - Access + Amenities (A)

See a description of these categories on Page 43. Each category contains 8-10 criteria (additional questions) that provide the assessor with information on evaluating how the space functions. Each category then has a final overall score determined based on how the space meets the criteria described. The scores for each category were tallied to calculate an overall mean score for each park or recreation center. Full details on the Performance Assessment scoring results are included in Appendix C.

### Overall DEI Scores Findings

Table 7 displays the mean total score of the four categories per park or recreation center. The lowest score possible is 4 (very poor performing), and the highest possible score is 40 (very high performing). The total number of assessments conducted is also listed per park. It should be noted that because this survey is qualitative, there may be a large spread between scores from one assessor to the next.

#### Key Takeaways:

- Of the ten facilities with the highest mean scores, half are indoor centers. Within the top five top scores, four are multi-generational centers.
- Of the five parks with the lowest scores, two are neighborhood parks (Birchett Park and Alegre Park) and two are urban parks (Ragsdale-MLK Park and Tempe Women's Club Park).

| Table 7 DEI Mean Score, Combined 4 Categories |            |                       |
|-----------------------------------------------|------------|-----------------------|
| Facility                                      | Mean Score | Assessments Completed |
| Pyle Adult Recreation                         | 38.68      | 3                     |
| North Tempe Multi-Generational Center         | 36.33      | 4                     |
| Escalante Multi-Generational Center           | 35.63      | 8                     |
| Papago Park (South)                           | 35         | 2                     |
| Westside Multi-Generational Center            | 34.6       | 5                     |
| Mary and Moses Green Park                     | 34.33      | 3                     |
| Kiwanis Park Recreation Center                | 33.43      | 7                     |
| Kiwanis Fiesta                                | 33.34      | 11                    |
| Tempe Sports Complex                          | 32.72      | 7                     |
| Kiwanis North                                 | 32.09      | 13                    |
| Rio - Tempe Beach Park/Arts Park/Giuliano     | 32         | 1                     |
| Indian Bend Park                              | 31.75      | 4                     |
| Jaycee Park                                   | 31.29      | 6                     |

| Facility                             | Mean Score | Assessments Completed |
|--------------------------------------|------------|-----------------------|
| Rio - Marina                         | 30.33      | 3                     |
| Hayden Butte Preserve                | 30         | 1                     |
| Ehrhardt Park                        | 28.45      | 8                     |
| Parque de Soza                       | 28.22      | 17                    |
| Scudder Park                         | 27.22      | 11                    |
| Rotary Park                          | 27         | 5                     |
| Daley Park                           | 26.92      | 14                    |
| Palmer Park                          | 26.6       | 13                    |
| Daumler Park                         | 26.4       | 5                     |
| Evelyn Hallman Park                  | 26.25      | 4                     |
| Campbell Park                        | 25.66      | 3                     |
| Optimist Park                        | 25.6       | 5                     |
| Escalante Park                       | 24.79      | 29                    |
| Esquer Park                          | 24.22      | 10                    |
| Goodwin Park                         | 24.08      | 4                     |
| Celaya Park                          | 23.94      | 9                     |
| Benedict Sports Complex              | 23.6       | 5                     |
| Dwight Park                          | 23.17      | 10                    |
| Arredondo Park                       | 23.14      | 11                    |
| Svob Park                            | 23.04      | 12                    |
| Papago Preserve: North of Curry      | 20.55      | 5                     |
| Papago Preserve: Moeur South/LoPlano | 20.46      | 8                     |
| Joyce Park                           | 19.39      | 11                    |
| Selleh Park                          | 29.5       | 8                     |
| Creamery Park                        | 18.02      | 14                    |
| Tempe Woman's Club Park              | 16.9       | 4                     |
| Ragsdale-MLK Park                    | 15.9       | 5                     |
| Alegre Park                          | 14.47      | 22                    |
| Birchett Park                        | 6.42       | 2                     |

# DEI PERFORMANCE ASSESSMENT



## DEI Performance Within Equity Zones

This summary builds on previous analyses conducted in the Making Space project. Most specifically, parks that fall within areas identified as "Equity Zones" are mapped (Map 17 in gray shades) and analyzed distinctly from those not within Equity Zones. Equity Zones are areas of the city that have been identified as being at risk of socioeconomic and/or health inequities, high crime areas, concentrations of informal housing encampments, and high percentage rental housing. These areas may be seen as areas in which to focus efforts in the future, and therefore understanding the DEI Performance Assessment results of parks within Equity Zones is a helpful tool for identifying needs and opportunities.

Table 8 below displays the parks by their location within Equity Zone (Very High, High and Medium priority) along with their overall DEI Performance Assessment Rating (see colored circle).

Table 8 DEI Assessment Parks within Equity Zones

### Very High Equity Priority Zone

- Alegre Park
- Escalante Park
- Parque de Soza
- Escalante Multi-Generational Center

### High Equity Priority Zone

- Esquer Park
- Celaya Park
- Jaycee Park
- Indian Bend Park
- Rio - Giuliano
- Tempe Beach Arts
- North Tempe Multi-Generational Center
- Westside Multi-Generational Center

### Medium Equity Priority Zone

- Creamery Park
- Arredondo Park
- Dwight Park
- Svob Park
- Benedict Sports Complex
- Palmer Park
- Kiwanis North
- Kiwanis Fiesta
- Kiwanis Park Recreation Center

### Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority
- Legend
- Tempe Parks and Recreation
- HOA/Private Parks
- Other County Parks and Open Space
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

### Park and Recreation Space DEI Performance Assessment

- ≤ 20 Very low performing park
- 20-25 Low performing park
- 25-29 Medium performing park
- 30-34 High performing park
- ≥ 34 Very high performing park
- Not Evaluated

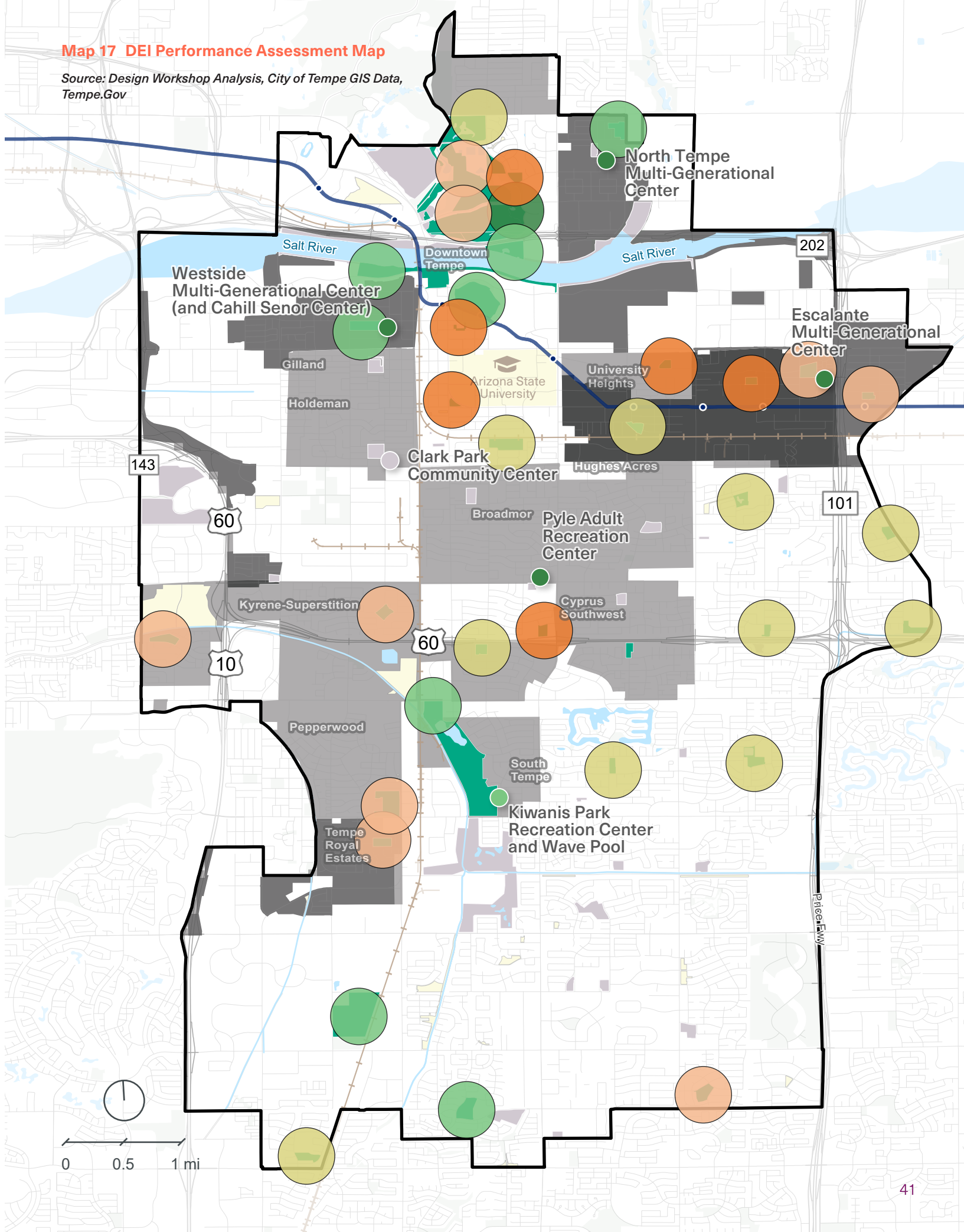
### Recreation Centers DEI Assessment

- Overall Score
- 30 - 34 Very High
- ≥ 34 High
- Not Evaluated

Source: Design Workshop Analysis, City of Tempe GIS Data, Tempe.Gov

Map 17 DEI Performance Assessment Map

Source: Design Workshop Analysis, City of Tempe GIS Data, Tempe.Gov







DEI Performance Within Equity Priority Zones

Key Takeaways:

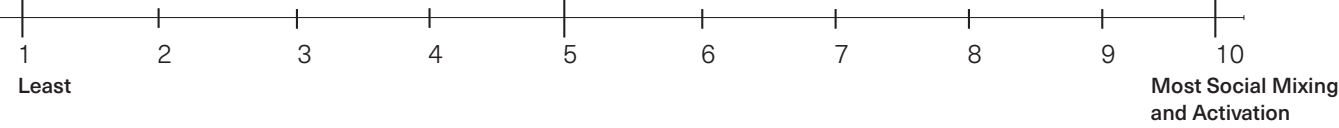
- Of the 42 locations evaluated, 16 parks and 4 recreation centers are in an Equity Zone. There are a total of 24 parks and recreation centers (evaluated and not evaluated) within an Equity Zone.
- Parks that are within the Very High Equity Priority Zones in the University Heights area scored very low or low in DEI performance.
  - » Very Low: Alegre Park and Creamery Park
  - » Low: Escalante Park
  - » Medium: Parque de Soza
- There are no parks that scored Very High that are located within an Equity Zone (Recreation Centers in Equity Zones scored High or Very High).
- Papago Park was the only park (not Recreation Center) to score Very High.
- Escalante Multi-Generational Center scored Very High DEI performing but Escalante Park scored Low.
- While not in an Equity Zone, parks assessed near the University are scored Very Low (Birchett Park and Ragsdale-MLK Park).
- Areas in northern Tempe are not within an Equity Zone but there is a high density of parks scored Very Low to Medium:
  - » Tempe Woman's Club Park
  - » Papago Preserve North and South
  - » Evelyn Hallman Park
- Surprisingly, the average DEI performance total score for parks and recreation facilities within Equity Zones is higher (26) than those places that are outside of Equity Zones (25). Contributing factors to this one point higher average score for Equity Zone areas are:
  - » 4 out of 5 recreation centers are located in Equity Zones. Overall, the centers score high in the DEI Assessment tool and increase the overall average.
  - » 28 parks and recreation facilities were not evaluated, some due to closure for renovations and improvements.
  - » Equity Zones use census blocks as the unit of analysis, which is not a line that reflects a rigid differentiation between conditions in real life. An area that is one city block away from a census block boundary may be similar in conditions to the aforementioned census block, though the data says otherwise because of how it is (not) grouped in with areas that are adjacent it. This is important to consider in this analysis. There are some parks that may be adjacent to an Equity Zone and similar in conditions to the Equity Zone, but because of the census block boundary the area is not reflected as such in this mapping effort. An example might be Joyce Park, which is proximate to an Equity Zone and low performing, but the relationship between the two is not captured due to the park's location outside the Equity Zone.

Description of the Four (4) Categories of the Assessment



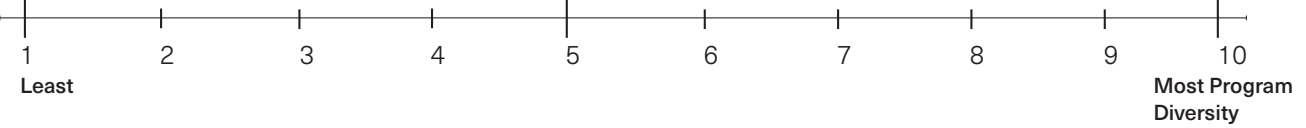
**Social Mixing + Activation (S):** refers to the interaction of park and recreation users and presence of a diverse population. This includes people of different ages, economic backgrounds, abilities, racial and ethnic groups, gender identities and more. The mixing of diverse groups and positive interactions increases one’s tolerance of others, a sense of collective civic identity, and overall cohesion. Activation provides features and activities of interest to entice people to visit, use, socialize, take part in group activities, volunteer, be active or engaged, relax and/or find reasons to linger.

On a scale of 1-10 how would you rate this park or recreation space in terms of SOCIAL MIXING + ACTIVATION?



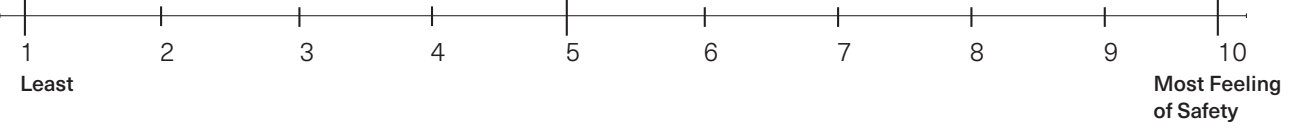
**Program Diversity (P):** refers to the variety of park offerings that cater to many people or the flexible use of space. Parks and recreation features and design that contribute to active use, social gatherings, or opportunities for relaxation (such as playgrounds, sports courts, water bodies, picnic tables, community gardens, ADA pathways, and wildlife viewing) and programs (including events, social gatherings, and sports programs) may vary by park type and in response to local needs and interests. Program diversity attracts a wide variety of people and makes for a more inclusive parks and recreation system.

On a scale of 1-10 how would you rate this park or recreation space in terms of PROGRAM DIVERSITY?



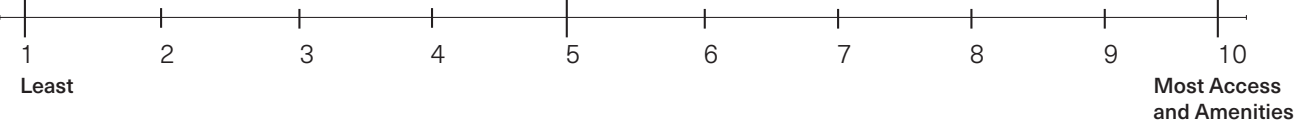
**Feeling of Safety (F):** Unsafe feelings may come from a perception of danger or sense of personal security, unease in situations, threats from disorder, or crime occurrences. There are a variety of factors that cause people to feel unsafe in a public space. They include poor park conditions and/or maintenance issues (such as litter), design that makes users uncomfortable or feel vulnerable (such as lack of lighting), reports of discriminatory experiences, a place’s reputation for occurrences of crime, discomfort in space that may attract or harbor anti-social behavior, or negligent behavior that puts others’ personal safety at risk. People must feel a space is safe before they use it, yet the presence of people in a space is an important indicator of safety. A welcoming environment can aid in overcoming many of this issues.

On a scale of 1-10 how would you rate this park or recreation space in terms of FEELING OF SAFETY?



**Access + Amenities (A):** Access examines how easily people can get to and move around in a park or recreation facility. A highly accessible space considers how easy it is to travel to (safe sidewalks, transit, parking, and more), how easy it is to find, and how welcome or vulnerable people feel to enter it. Amenities, such as park furnishings or services, are contributors to the comfort of using a space or extending visitation.

On a scale of 1-10 how would you rate this park or recreation space in terms of ACCESS + AMENITIES?



# DEI PERFORMANCE ASSESSMENT



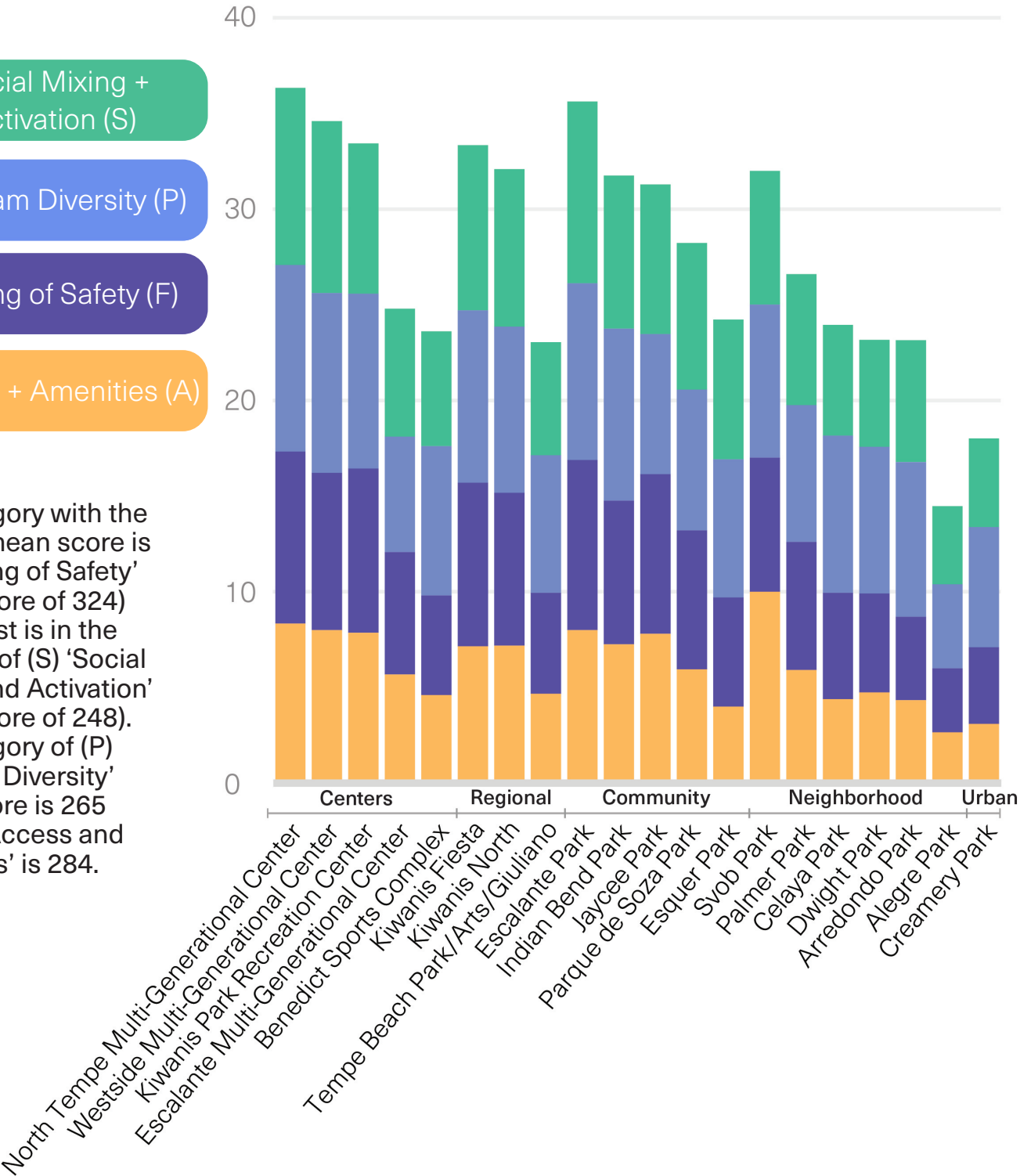
## Comparison of Equity Zones vs. Non Equity Zone Space DEI Performance By Category

Of the 42 locations evaluated, 16 parks and 4 recreation centers are in an Equity Zone. There are a total of 24 parks and recreation centers (evaluated and not evaluated) within an Equity Zone.

### WITHIN AN EQUITY PRIORITY ZONE

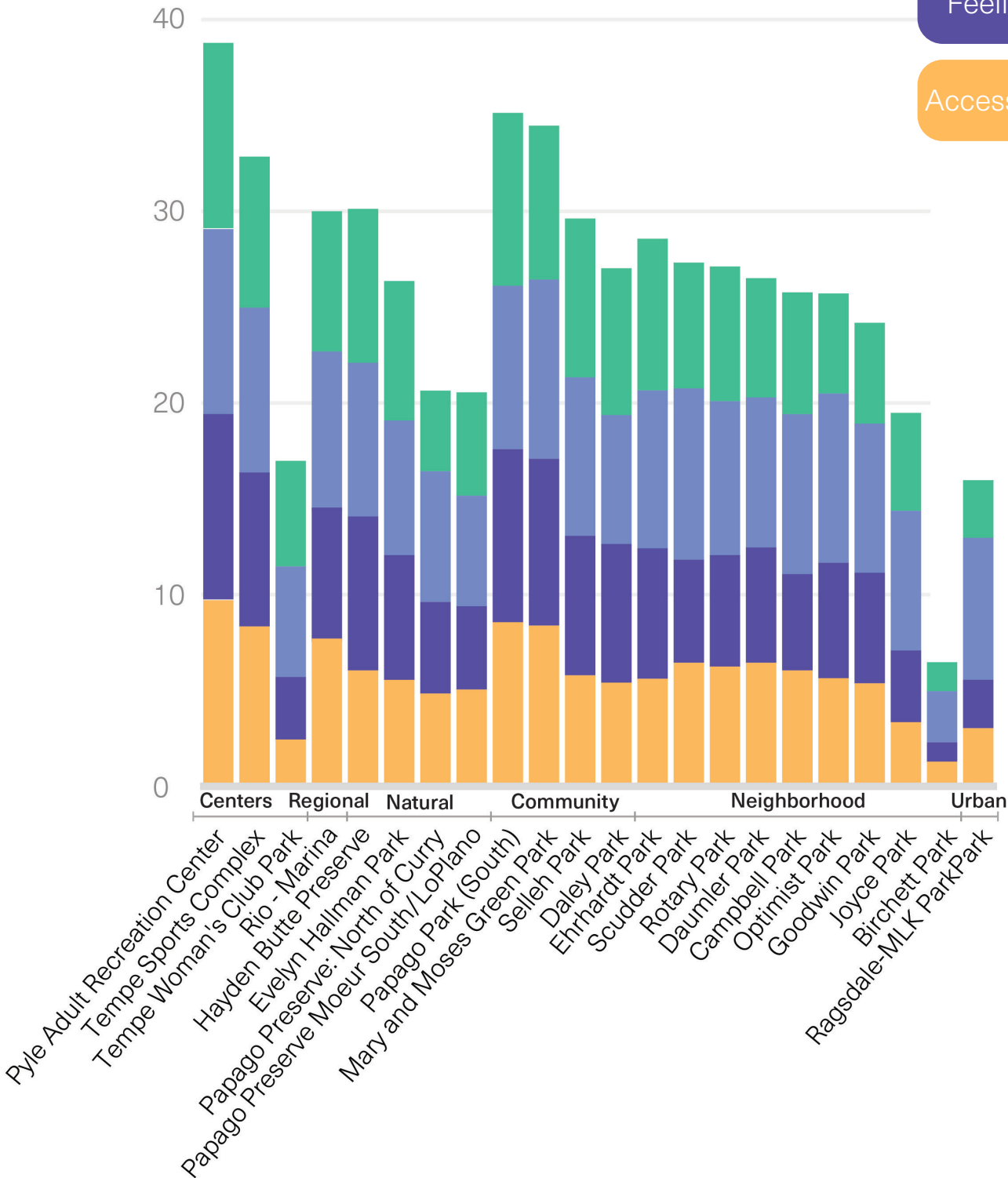
- Social Mixing + Activation (S)
- Program Diversity (P)
- Feeling of Safety (F)
- Access + Amenities (A)

The category with the highest mean score is (F) 'Feeling of Safety' (mean score of 324) and lowest is in the category of (S) 'Social Mixing and Activation' (mean score of 248). The category of (P) 'Program Diversity' mean score is 265 and (A) 'Access and Amenities' is 284.



### NOT WITHIN AN EQUITY PRIORITY ZONE

- Social Mixing + Activation (S)
- Program Diversity (P)
- Feeling of Safety (F)
- Access + Amenities (A)





# DEI PERFORMANCE ASSESSMENT



## Social Mixing + Activation Assessment

Map 18 shows Social Mixing + Activation (S) Assessment average scores. The larger circle symbology is intended to highlight gaps where the parks scored poorly for Social Mixing + Activation.

### Key Takeaways:

- The top factors that contribute to social mixing and interaction is spaces and features that encourage social interaction, group gathering places, and activities and everyday programs.
- For facilities that received high scores in the Social Mixing & Activation category, the most frequent types of visitors observed in the spaces were people of all ages and people with pets.
- For facilities that received low scores in this category, the most frequent types of visitors observed in the space were law enforcement and tourists / city visitors. Assessments also noted a lack of a wide range of ethnically and racially diverse people.
- Many of the low performing spaces are close together within High Priority Equity Zones, in the northern and central parks of the city.
- All recreation centers scored High. Pyle Adult Recreation Center scored Very High.
- Rio - Arts Park was the only park that scored Very High.
- Neighborhood, Urban, and Special Use Parks scored the lowest for Social Mixing + Activation.
- Parks that were perceived as being underused/ vacant with capacity for new or flexible programming include:
  - Birchett Park;
  - Tempe Woman's Club Park;
  - Joyce Park;
  - Creamery Park;
  - Alegre Park; and
  - Esquer Park.



### Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

### Parks & Recreation Centers DEI Assessment

#### Social Mixing + Activation (S)

- ≤ 4 Very Low Performance
- 4 - 5 Low
- 5 - 7 Medium
- 7 - 9 High
- ≥ 9 Very High Performance

Parks Not Evaluated

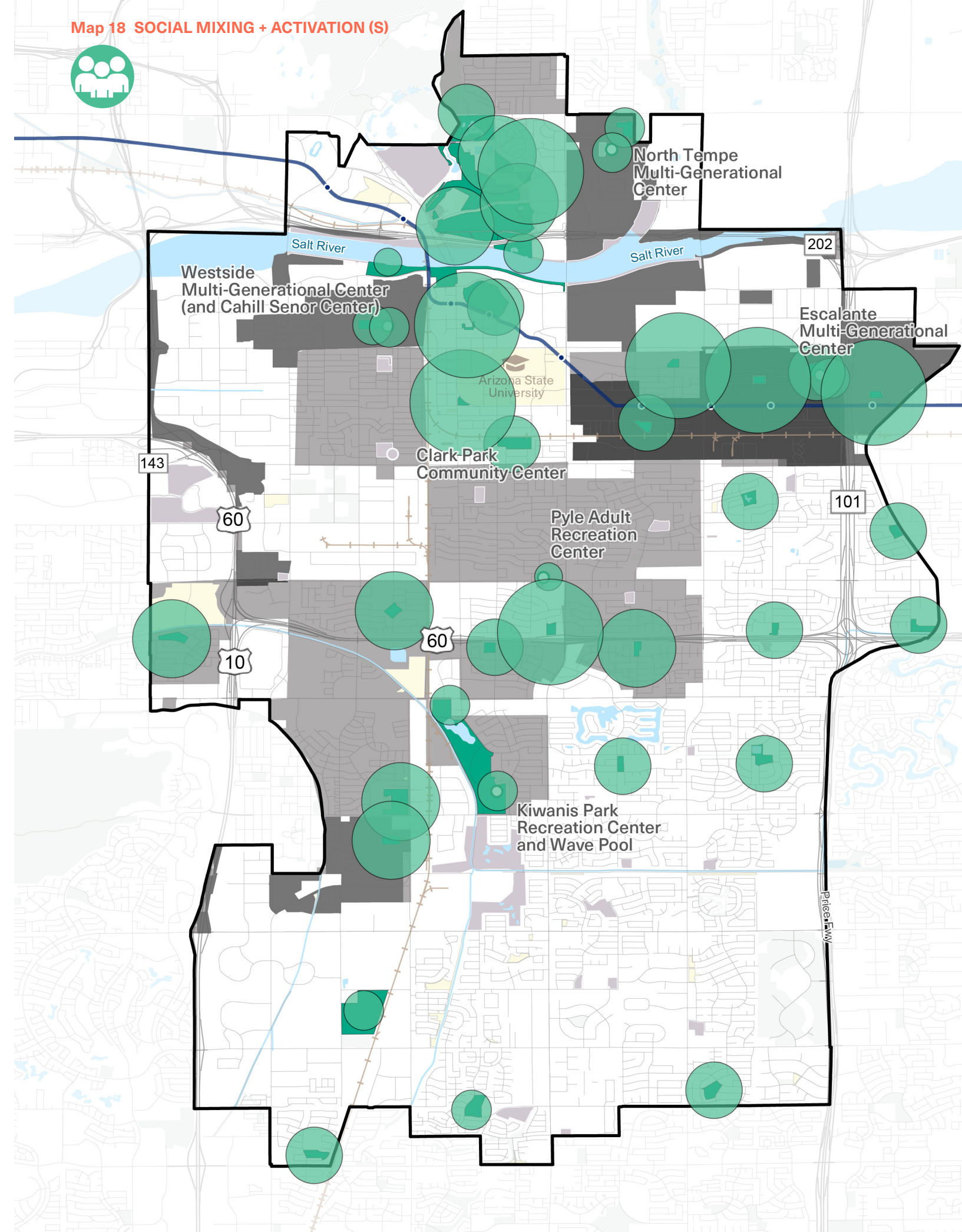
### Legend

- HOA/Private Parks
- Other County Parks and Open Space
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

Source: Design Workshop Analysis, City of Tempe GIS Data, Tempe.Gov

- Parks that were perceived as being more overused or crowded include:
  - Papago Park (South);
  - Rio - Marina;
  - Pyle Adult Recreation; and
  - Rio - Tempe Beach Park/Arts Park/Giuliano.

Map 18 SOCIAL MIXING + ACTIVATION (S)





# DEI PERFORMANCE ASSESSMENT



(S)



(P)



(F)



(A)

## Program Diversity (P) Assessment

Map 19 shows Program Diversity (P) Assessment average scores. The larger circle symbology is intended to highlight gaps where the parks scored poorly for Program Diversity.

### Key Takeaways:

- There were no parks that scored Very High. Most parks scored Medium or High.
- Neighborhood, Urban, and Natural Area Parks scored the lowest for Program Diversity.
- Pyle Adult Recreation Center scored Very High. All other recreation centers scored High.
- The majority of Low and Very Low performing parks are located in the northern portion of the city, many within or adjacent to Equity Zones.
- The most significant activities occurring in the park or recreation facility: (Assessors were invited to select all that apply):
  - Free play – 77%
  - Leisure and relaxation – 65%
  - Organized sports/team play – 40%
  - Cycling or walking/jogging/hiking – 37%
  - Health and wellness activities – 29%
  - Other active recreation – 26%
  - Large group activity or event – 26%
  - Other – 20%. Common responses to “other” include skate park, playground, fishing, dog walking/dog park, and urban camping by people experiencing homelessness.
- In response to the question, “Are there aspects of the park design, offerings, or use that may be a barrier for others to spend time in or participate in this space?” 42% of assessments indicated ‘yes’, while 41% responded ‘no’, and 16% responded, ‘I don’t’ know.’
- Assessors were asked, “Which of the following would you like to see added or improved upon in this facility.” The top responses were (1) murals,

### Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

### Parks & Recreation Center DEI Assessment

#### Program Diversity (P)

- ≤ 4 Very Low Performance
- 4 - 5 Low
- 5 - 7 Medium
- 7 - 9 High
- ≥ 9 Very High Performance

Parks Not Evaluated

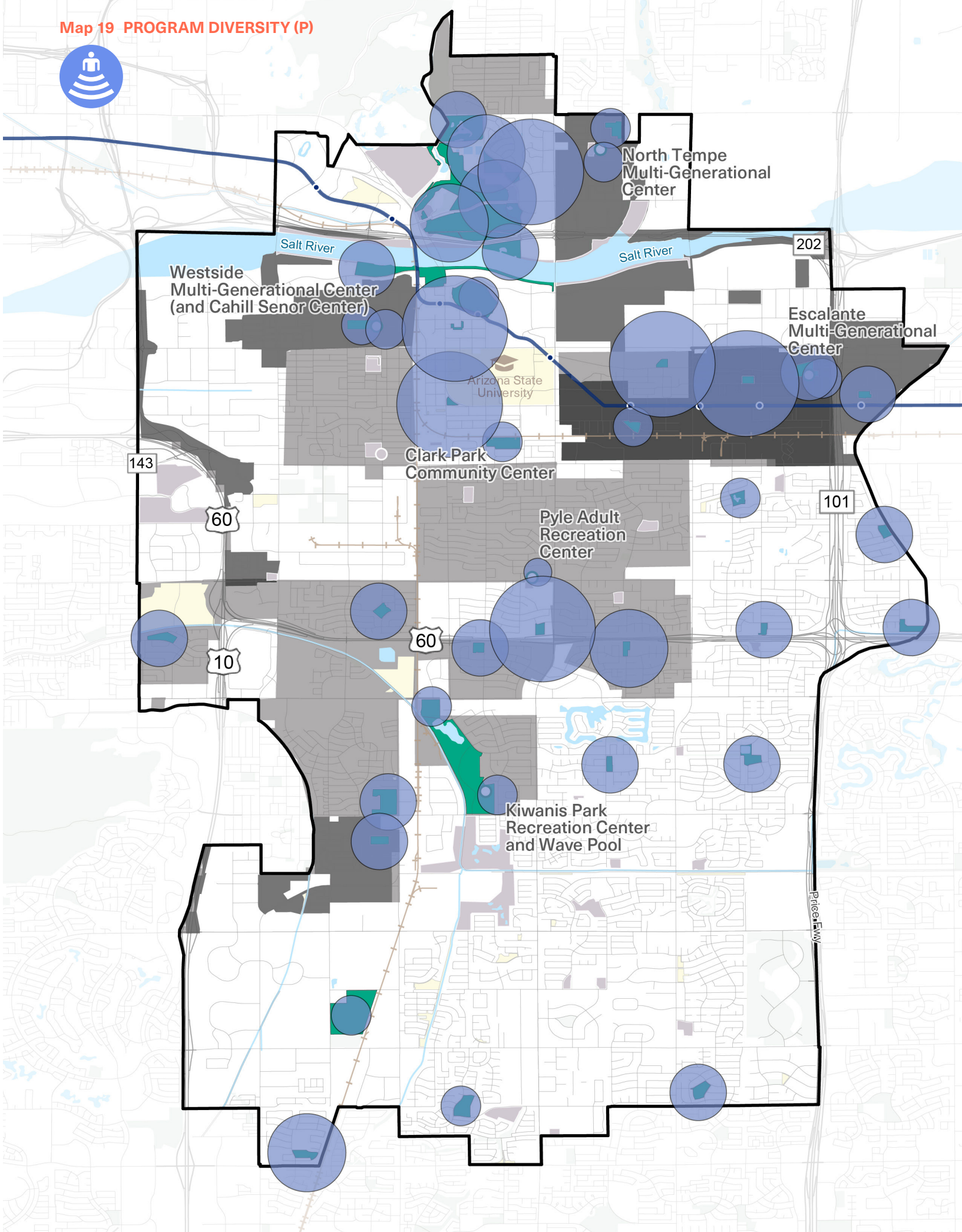
### Legend

- HOA/Private Parks
- Other County Parks and Open Space
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

Source: Design Workshop Analysis, City of Tempe GIS Data, Tempe.Gov

public art, and sculpture gardens, (2) natural or ecological asset, (3) innovative flexible spaces, and (4) community gardens and co-ops. Restrooms, bike racks, shade (structures and trees), dog parks, and space for teens/adults were the most common write-in responses.

Map 19 PROGRAM DIVERSITY (P)





# DEI PERFORMANCE ASSESSMENT



(S)



(P)



(F)



(A)

## Feeling of Safety (F) Assessment

Map 20 shows Feeling of Safety (F) Assessment average scores. The larger circle symbology is intended to highlight where parks felt unsafe.

### Key Takeaways:

- All evaluated recreation centers scored Very High. Much of the high score can be credited to the presence of other people, lighting, and entry requiring visitors to pass through formalized areas.
- The majority of parks scored High.
- Mary and Moses Green Park was the only park that scored Very High.
- Neighborhood Parks scored the lowest for Feeling of Safety.
- Birchett Park was the only park that scored Very Low.
- Alegre Park was the only park that scored Low.
- More parks in the northern part of the city scored Low or Very Low.
- In response to the question, "From your personal experiences, what are the factors that make you feel unsafe in this park," 59% of assessors indicated 'none, I feel safe in this park. One-quarter of assessments indicated that 'lack of emergency or security devices in the park (cameras, signal buttons, call boxes, etc.) made them feel unsafe and 16% of assessments indicated that a lack of people in the park influenced their feelings of safety. Assessors had the option to write-in responses, common responses were off-leash dogs, poor lighting, vandalism, and open drug use.
- The top responses related to the negative reputation of park spaces were "litter or unmanaged belongings" and "residing in park (encampments)."
- In response to the question, "Is there evidence of community ownership/presence, civic pride, and stewardship" 42% of assessments indicated 'no,' 30% indicated, 'yes, but it is minor,' 18% indicated, 'yes, it is strong,' and 8% indicated, 'I don't know.'

### Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

### Parks and Recreation Centers DEI Assessment

#### Feeling of Safety (F)

- ≤ 4 Very Low Performance
- 4 - 5 Low
- 5 - 7 Medium
- 7 - 9 High
- ≥ 9 Very High Performance

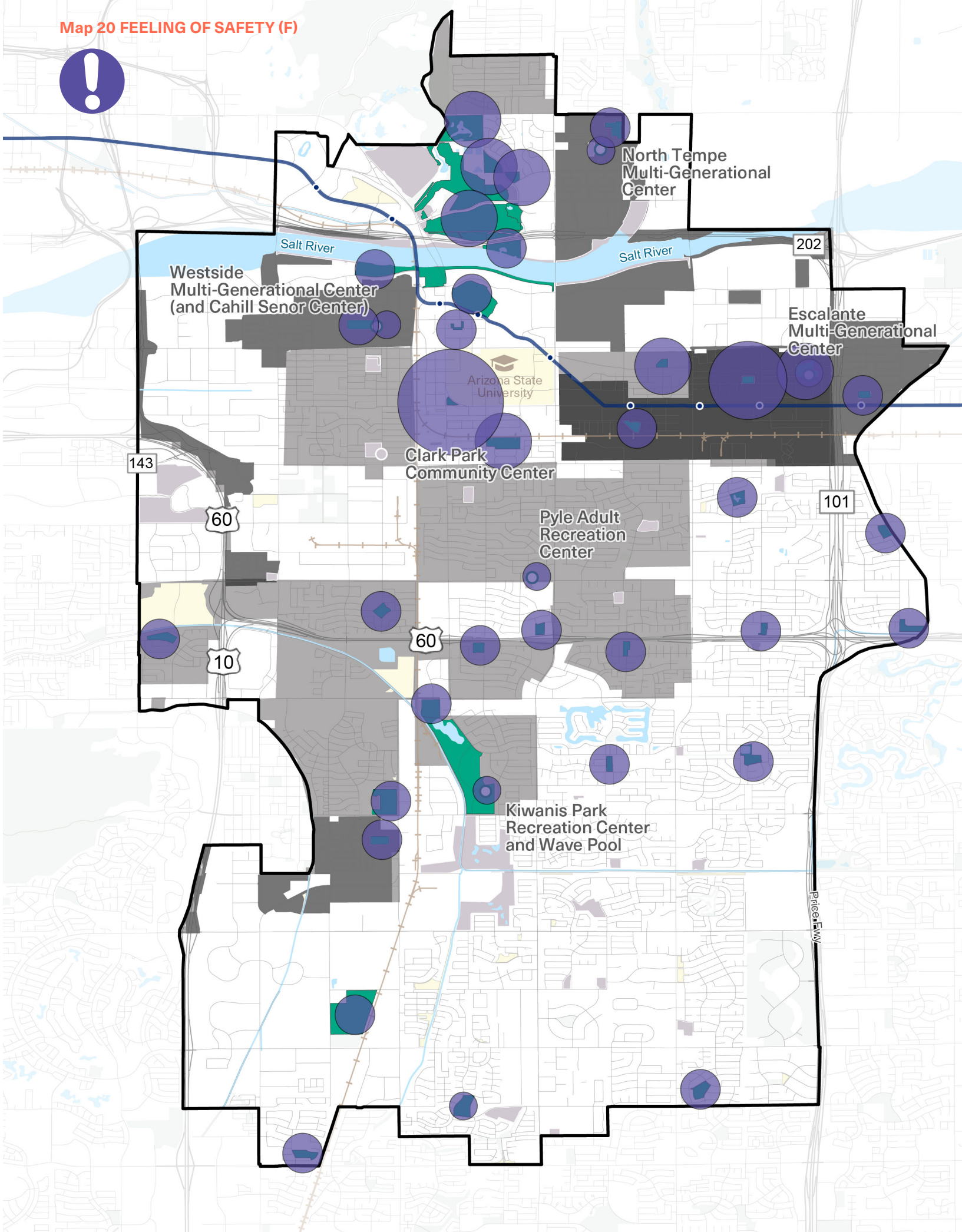
Parks Not Evaluated

### Legend

- HOA/Private Parks
- Other County Parks and Open Space
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

Source: Design Workshop Analysis, City of Tempe GIS Data, Tempe.Gov

Map 20 FEELING OF SAFETY (F)



- The level of cleanliness and maintenance of park or recreation facilities was evaluated, with 1 being 'very poor condition' and 5 being 'well cared for.' The average responses was 4.03



# DEI PERFORMANCE ASSESSMENT



(S)



(P)



(F)



(A)

## Access + Amenities (A) Assessment within Equity Zones

Map 21 shows Access + Amenities (A) Assessment average scores. The larger circle symbology is intended to highlight where parks were evaluated to have poor access and few or poor amenities.

### Key Takeaways:

- All evaluated recreation centers scored Very High.
- There were no parks that scored Very High.
- The majority of parks scored Medium or High.
- The majority of Low or Very Low performing parks are in the northern part of the city.
- Ragsdale-MLK Park and Birchett Park were the only park that scored Very Low.
- Neighborhood and Urban Parks scored the lowest for Access + Amenities.
- In response to the question, “What features of this space make you feel like your needs are met or that make you feel comfortable?” assessors indicated:
  - Seating and tables - 75%
  - Drinking fountain- 66%
  - Trash and dog waste receptacles -65%
  - Shade structures and shade from trees- 64%
  - Parking and paths (ADA accessible)- 50%
  - Public restrooms (that are free, good condition, and cater to many people’s needs) - 28%
  - Bike racks - 28%
  - 24/7 access to a public space and recreation opportunities - 16%
  - Other -11%
  - Public wi-fi - 7%
  - Concessions for food, beverage and other commodities - 5%
  - None of the above - 3%

### Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

### Parks DEI Assessment

#### Access + Amenities (A)

- ≤ 4 Very Low Performance
- 4 - 5 Low
- 5 - 7 Medium
- 7 - 9 High
- ≥ 9 Very High Performance

Parks Not Evaluated

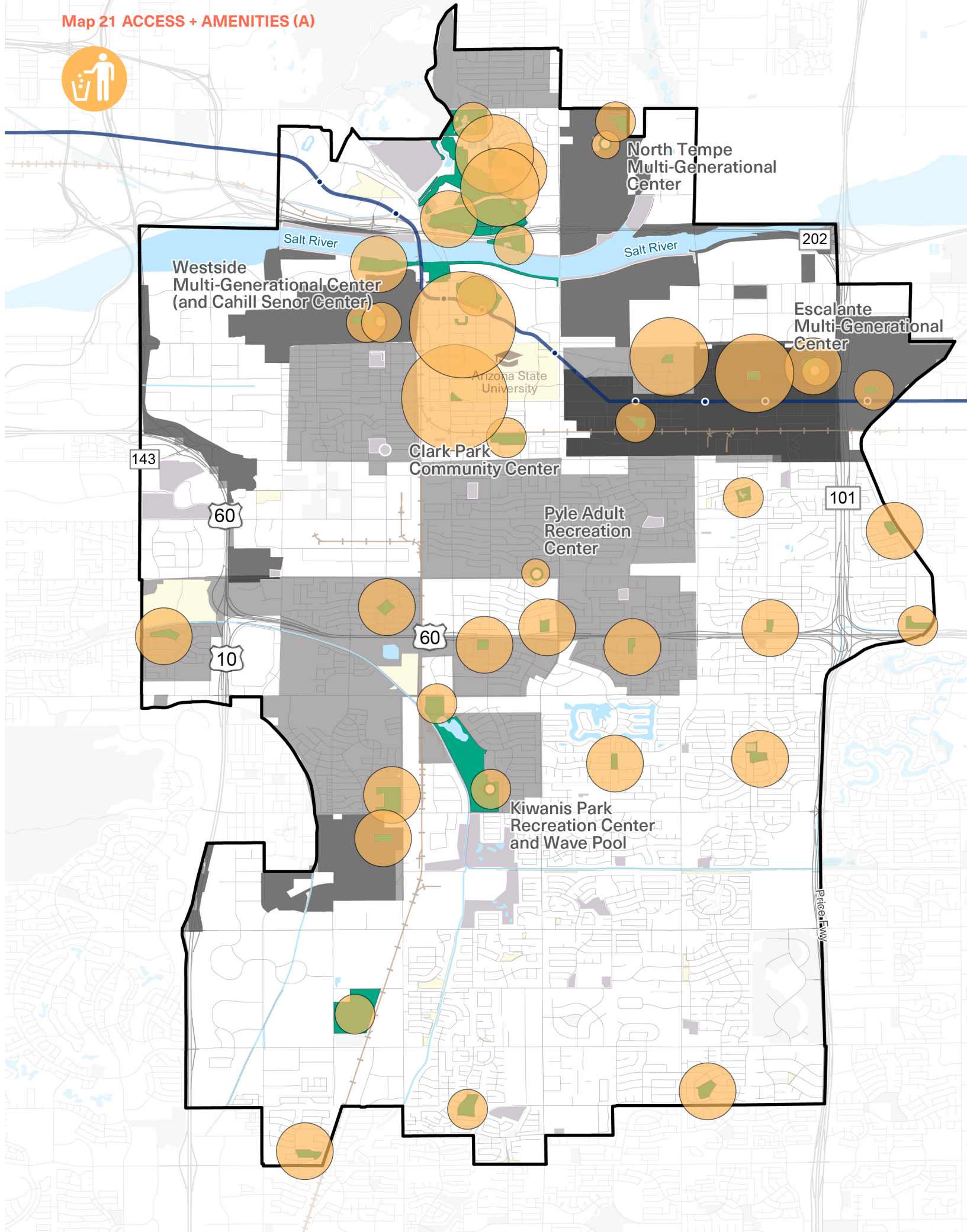
### Legend

- HOA/Private Parks
- Other County Parks and Open Space
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

Source: Design Workshop Analysis, City of Tempe GIS Data, Tempe.Gov

- In response to the question, “Are signage and wayfinding being located at decision points such as the intersection of two major paths or near public facilities?” 47% of assessors indicated yes, 35% indicated ‘opportunities for improvement, and 18% indicated ‘no.’

Map 21 ACCESS + AMENITIES (A)







Key Findings Per Category

The category with the highest mean score is (F) ‘Feeling of Safety’ (mean score of 324) and lowest is in the category of (S) ‘Social Mixing and Activation’ (total mean score of 248). The category of (P) ‘Program Diversity’ total mean score is 265 and (A) ‘Access and Amenities’ is 284.

Table 9 presents the ten highest and lowest mean scores, disaggregated by category. Facilities were rated on a scale from 1-10, with 1 being the lowest.

Ten Highest DEI Score Parks and Facilities:

- Common themes among the ten parks and facilities with the highest scores were positive feelings of safety, diverse programming, and noticeable social mixing.
- In the ‘Feelings of Safety’ category, assessors noted factors that made them feel safe, including the presence of other people (especially families) and security patrolling. The facility location also influenced feelings of safety.
- Facilities offering diverse programs and amenities, including volleyball courts, dog runs, sports fields, tennis courts, lighting, and bathrooms, scored highly.
- Diverse programming correlated with ‘Social Mixing’ because the different activities attracted different types of people.
- Clear and highly visible signage correlated with high scores in the ‘Access and Amenities’ categories.

S = Social Mixing + Activation  
P = Program Diversity  
F = Feelings of Safety  
A = Access and Amenities

| Table 9 Ten Highest and Ten Lowest DEI Score Disaggregated by Category |      |      |      |      |
|------------------------------------------------------------------------|------|------|------|------|
| Park or Recreation Facility                                            | S    | P    | F    | A    |
| 1. Pyle Adult Recreation Center                                        | 9.67 | 9.67 | 9.67 | 9.67 |
| 2. North Tempe Multi-Generational Center                               | 8.33 | 9    | 9.75 | 9.25 |
| 3. Escalante Multi-Generational Center                                 | 8    | 8.88 | 9.25 | 9.5  |
| 4. Papago Park (South)                                                 | 8.5  | 9    | 8.5  | 9    |
| 5. Westside Multi-Generational Center                                  | 8    | 8.2  | 9.4  | 9    |
| 6. Mary and Moses Green Park                                           | 8.33 | 8.67 | 9.33 | 8    |
| 7. Kiwanis Recreation Center                                           | 7.86 | 8.57 | 9.14 | 7.86 |
| 8. Kiwanis Fiesta                                                      | 7.15 | 8.55 | 9    | 8.64 |
| 9. Tempe Sports Complex                                                | 8.29 | 8    | 8.57 | 7.86 |
| 10. Kiwanis North                                                      | 7.17 | 8    | 8.69 | 8.23 |
| 10. Arredondo Park                                                     | 4.33 | 4.36 | 8.09 | 6.36 |
| 9. Svob Park                                                           | 4.67 | 5.27 | 7.18 | 5.92 |
| 8. Papago Preserve: North of Curry                                     | 4.8  | 4.75 | 6.8  | 4.2  |
| 7. Papago Preserve: Moeur South/ LoPlano                               | 5    | 4.33 | 5.75 | 5.38 |
| 6. Joyce Park                                                          | 3.3  | 3.73 | 7.27 | 5.09 |
| 5. Creamery Park                                                       | 3.09 | 4    | 6.29 | 4.64 |
| 4. Tempe Woman's Club Park                                             | 2.4  | 3.25 | 5.75 | 5.5  |
| 3. Ragsdale-MLK Park                                                   | 3    | 2.5  | 7.4  | 3    |
| 2. Alegre Park                                                         | 4.09 | 3.35 | 4.38 | 4.09 |
| 1. Birchett Park                                                       | 1.25 | 1    | 2.67 | 1.5  |

Ten Lowest DEI Score Parks:

- Common themes among the ten facilities with the lowest scores were lack of amenities or programming and difficulty accessing the space.
- The specific amenities that assessments noted would add to the park’s rating are sufficient lighting, shade structures, restrooms, and drinking fountains. Lack of care and maintenance, specifically the presence of litter, indicated that the space is not safe.
- Feelings of safety are also affected by the presence of people experiencing homelessness and proximity to high speed or high-volume traffic.
- In response to the ‘Social Mixing’ and ‘Activation’ categories, assessments noted that it was difficult to rate based on the low number of people in the park. In instances where the parks were populated, there was little to no social interaction between disparate individuals and/or groups.
- The facility with the lowest score, Birchett Park (6.42), received low scores due to its isolated location, which is perceived to be unsafe and inaccessible. Assessments indicated that there is no reason for anyone to visit the park. Tempe Woman’s Club Park was closed for construction during the survey period.

Assessment Summary of Opportunities:

- Tempe’s park system is perceived as well maintained and overall relatively safe.
- Most parks that ranked Low or Very Low are in High or Very High priority Equity Zones. This presents a clear opportunity to focus improvements.
- Social mixing and interaction rank lower in DEI scores. Programming and

- activation certainly contributes to this.
- There is opportunity to provide more special branding, signage (in multiple languages), landmarks or public art and sculpture reflective of the local culture, heritage, and Indigenous past to better reflect diversity and identity.
- Seating and tables, drinking fountain, trash and dog waste receptacles, shade, parking, and ADA accessible paths were noted missing amenities. These amenities are perceived as being needed for people to be comfortable spending more time in parks.
- While all recreation centers scored High, some parks associated with the recreation center scored Low. Improvements could be made to provide a similar level of attention and care to the spaces surrounding the centers, including possible opportunities to program the outdoor spaces.
- Unhoused populations are dispersed; awareness of their presence is widespread. Although the issue of homelessness is not one that the Community Development Services Department can solve alone, it is acknowledged that the parks and recreation spaces under the department’s care are some of the most impacted public assets in the community. It is recommended that the City and Department continue to coordinate on this issue and develop messaging and strategies that are centered on a compassionate response.

# RECREATION AND PROGRAMMING PARTICIPATION



*Where and how do people recreate?*



# RECREATION PARTICIPANTS



## Recreation Centers

The following analysis depicts total program participation rates and types of activities offered in Tempe's Recreation Centers. Corresponding maps display the address points of program participants in order to understand where people are traveling from to access the recreation offerings.

### Clark Park Community Center

- 93 participant points
- Highest participation by those under 18

#### Top Activities and Programming

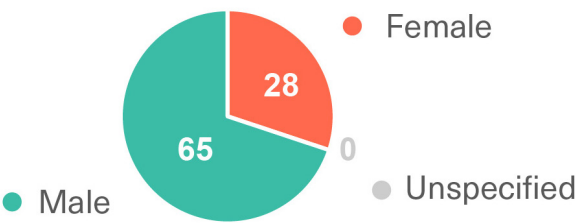
- Martial Arts (93)

Clark Park Community Center originally offered martial arts classes. It is currently under renovations and will provide the following recreation and programming:

- 4 classrooms
- Pool and aquatics
- Adaptive programming
- Public Rental Spaces

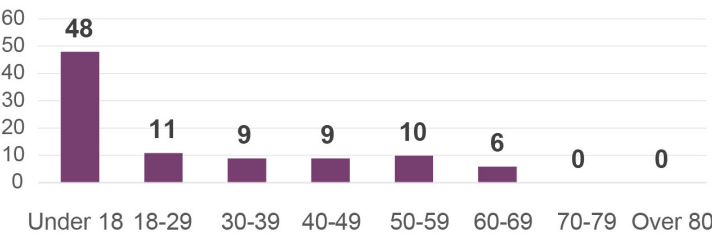
### Clark Park Community Center

Counts By Gender



### Clark Park Community Center

Counts By Age



## Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

## Recreation Participants

- Activity Participation Addresses

## Legend

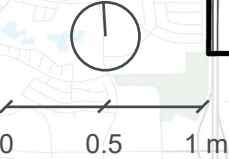
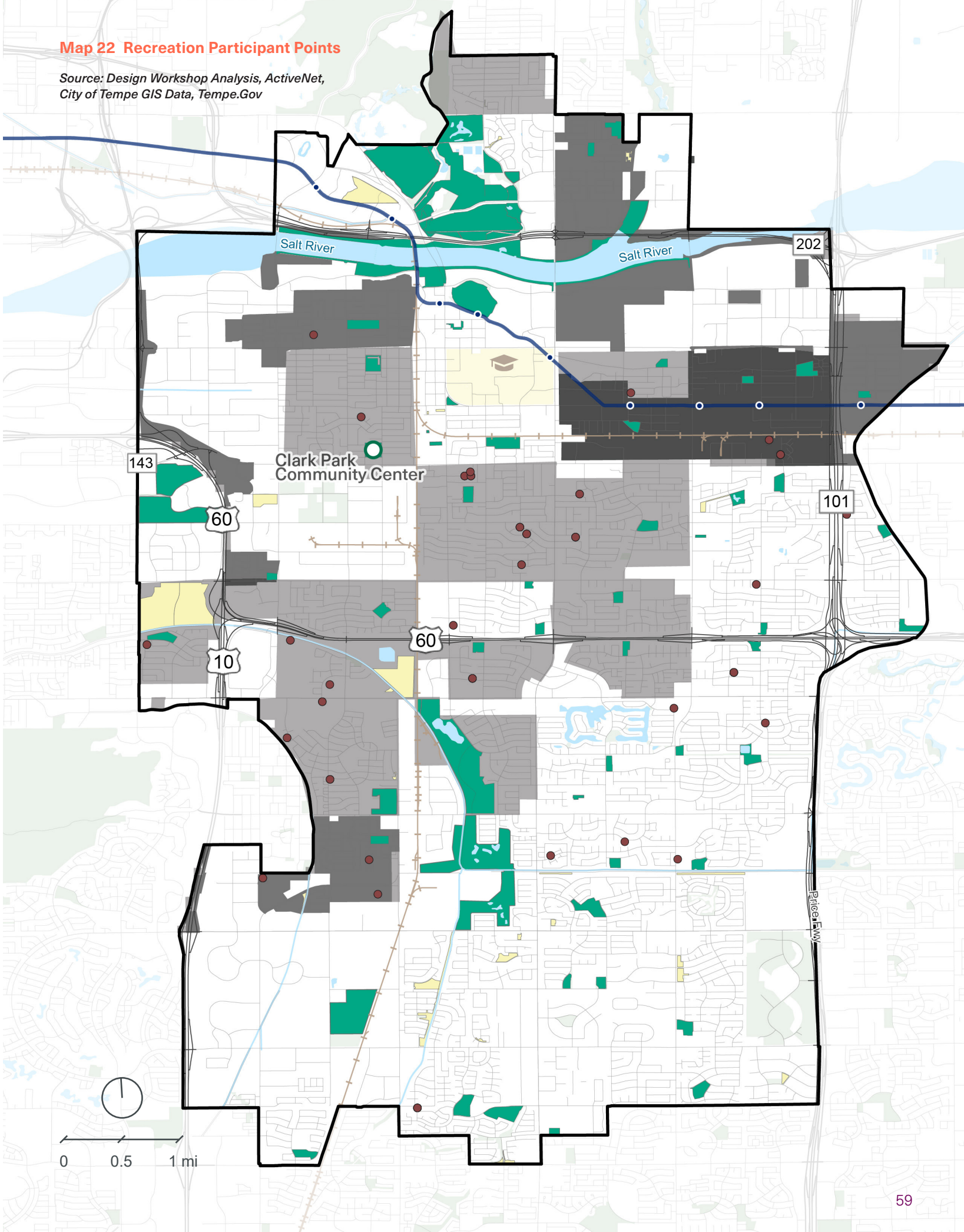
- Tempe Recreation Center
- Tempe Parks and Recreation
- HOA/Private Parks
- Other County Parks and Open Space
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

## Activities & Participant Counts

|                                         |    |
|-----------------------------------------|----|
| Arts                                    | 0  |
| Arts & Crafts                           | 0  |
| Dance, Music & Theater                  | 0  |
| Sports and Activities                   | 93 |
| Sports                                  | 0  |
| Tennis                                  | 0  |
| Aquatics                                | 0  |
| Martial Arts                            | 93 |
| Adaptive Recreation                     | 0  |
| Camps                                   | 0  |
| Exercise & Fitness                      | 0  |
| Social Activities                       | 0  |
| Special Event                           | 0  |
| Special Interest                        | 0  |
| Outdoor                                 | 0  |
| Boating                                 | 0  |
| Education                               | 0  |
| Health & Wellness                       | 0  |
| Books & Reading                         | 0  |
| Language                                | 0  |
| Culinary                                | 0  |
| Pet Education                           | 0  |
| Hobbies & Interests                     | 0  |
| Business, Computers & Technology        | 0  |
| Science, Technology, Engineering & Math | 0  |
| Total Activity Count                    | 93 |

## Map 22 Recreation Participant Points

Source: Design Workshop Analysis, ActiveNet, City of Tempe GIS Data, Tempe.Gov





# RECREATION PARTICIPANTS

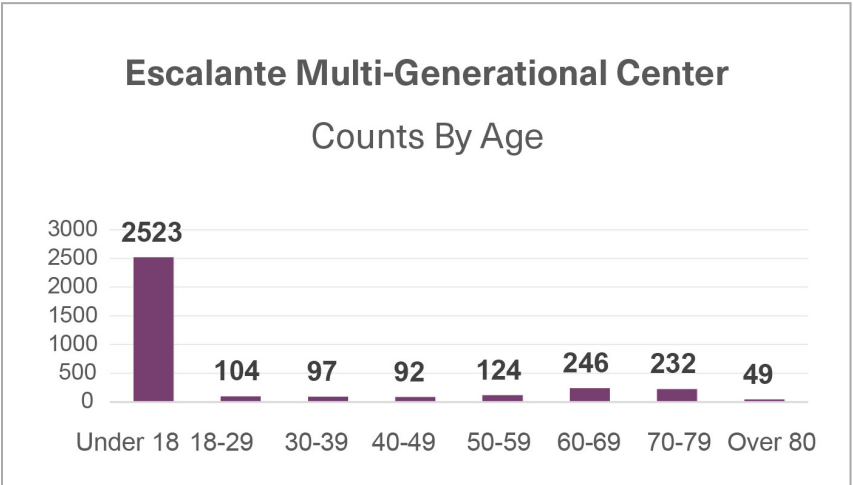
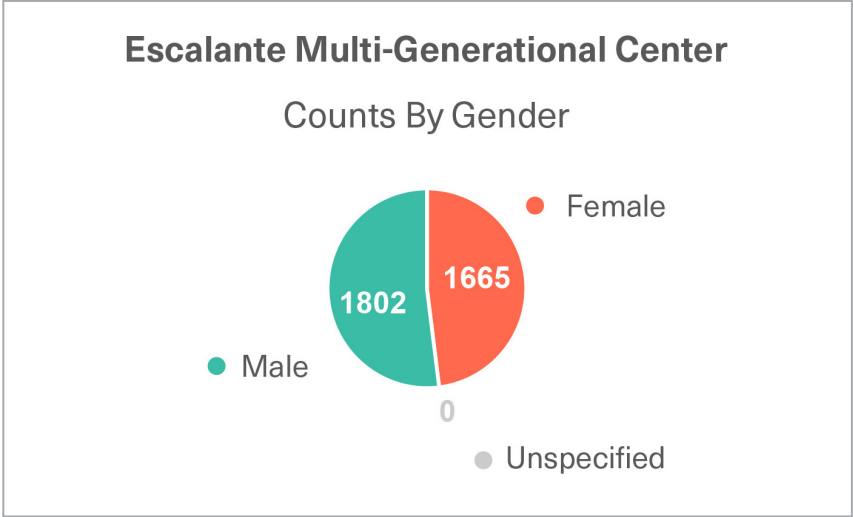


## Escalante Multi-Generational Center

- 3,467 participants
- Highest participation by those under 18

### Top Activities and Programming

1. Special Interest (1,012 participants)
2. Sports (987)
3. Health & Wellness (401)
4. Dance, Music & Theater (259)
5. Exercise & Fitness (255)



### Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

### Recreation Participants

- Activity Participation Addresses

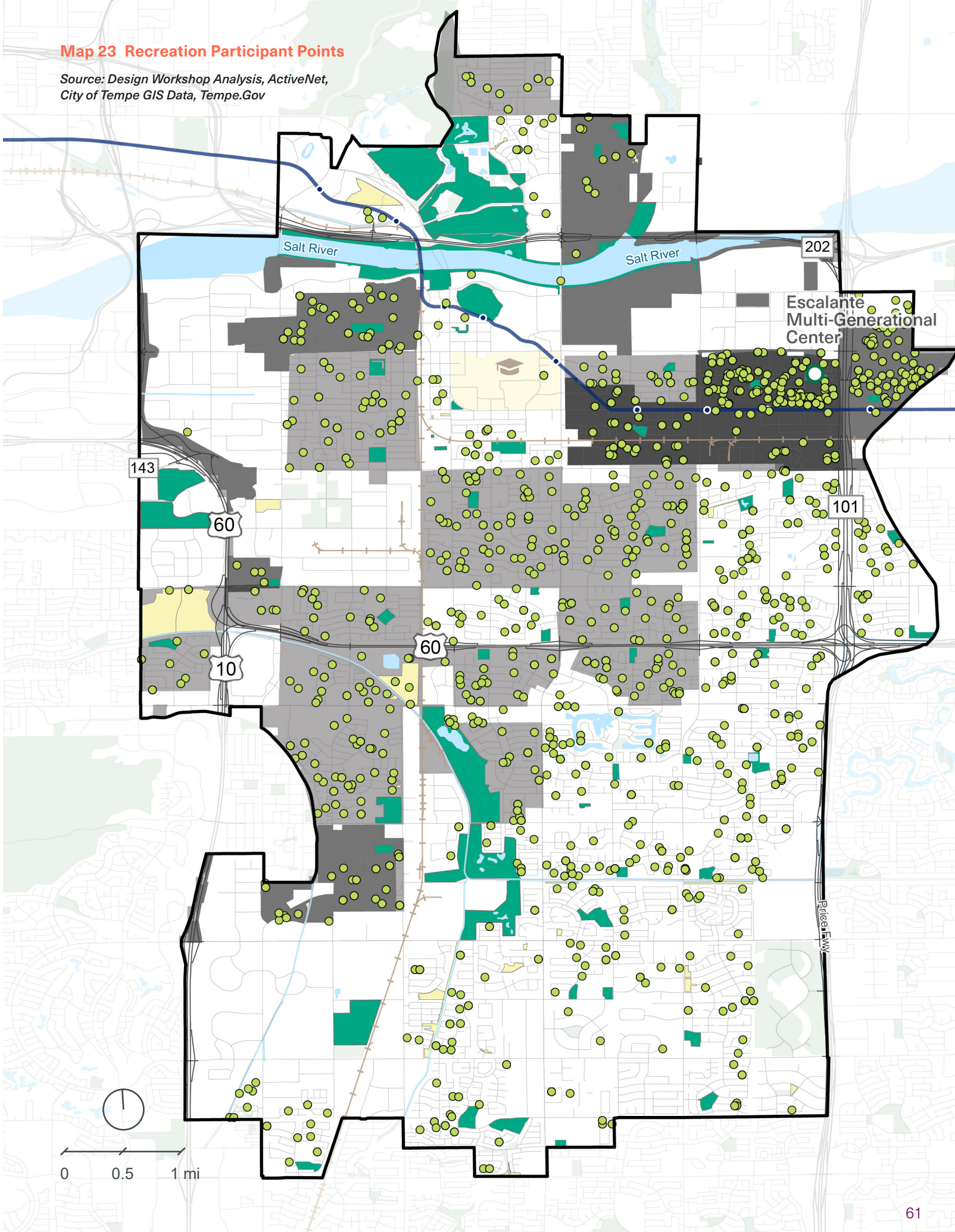
### Legend

- Tempe Recreation Center
- Tempe Parks and Recreation
- HOA/Private Parks
- Other County Parks and Open Space
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

| Activities & Participant Counts         |      |
|-----------------------------------------|------|
| Arts                                    | 343  |
| Arts & Crafts                           | 84   |
| Dance, Music & Theater                  | 259  |
| Sports and Activities                   | 2663 |
| Sports                                  | 987  |
| Tennis                                  | 0    |
| Aquatics                                | 0    |
| Martial Arts                            | 44   |
| Adaptive Recreation                     | 7    |
| Camps                                   | 0    |
| Exercise & Fitness                      | 255  |
| Social Activities                       | 245  |
| Special Event                           | 113  |
| Special Interest                        | 1012 |
| Outdoor                                 | 0    |
| Boating                                 | 0    |
| Education                               | 461  |
| Health & Wellness                       | 401  |
| Books & Reading                         | 0    |
| Language                                | 0    |
| Culinary                                | 0    |
| Pet Education                           | 0    |
| Hobbies & Interests                     | 24   |
| Business, Computers & Technology        | 0    |
| Science, Technology, Engineering & Math | 36   |
| Total Activity Count                    | 3467 |

Map 23 Recreation Participant Points

Source: Design Workshop Analysis, ActiveNet, City of Tempe GIS Data, Tempe.Gov





# RECREATION PARTICIPANTS



## Kiwanis Park Recreation Center and Wave Pool

- 5,576 participants
- Highest participation by those under 18

### Top Activities and Programming

1. Tennis (2,217 participants)
2. Aquatics (1767)
3. Martial Arts (482)
4. Sports (405)
5. Exercise & Fitness (350)

### Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

### Recreation Participants

- Activity Participation Addresses

### Legend

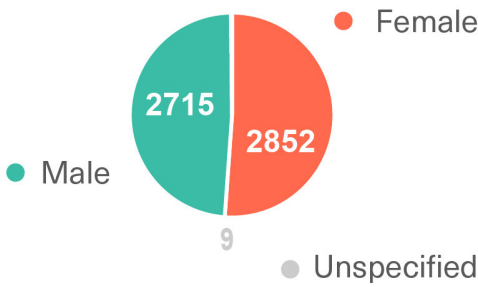
- Tempe Recreation Center
- Tempe Parks and Recreation
- HOA/Private Parks
- Other County Parks and Open Space
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

### Activities & Participant Counts

|                                         |      |
|-----------------------------------------|------|
| Arts                                    | 0    |
| Arts & Crafts                           | 0    |
| Dance, Music & Theater                  | 0    |
| Sports and Activities                   | 5490 |
| Sports                                  | 405  |
| Tennis                                  | 2217 |
| Aquatics                                | 1767 |
| Martial Arts                            | 482  |
| Adaptive Recreation                     | 24   |
| Camps                                   | 229  |
| Exercise & Fitness                      | 350  |
| Social Activities                       | 0    |
| Special Event                           | 0    |
| Special Interest                        | 16   |
| Outdoor                                 | 0    |
| Boating                                 | 0    |
| Education                               | 86   |
| Health & Wellness                       | 73   |
| Books & Reading                         | 0    |
| Language                                | 0    |
| Culinary                                | 0    |
| Pet Education                           | 0    |
| Hobbies & Interests                     | 0    |
| Business, Computers & Technology        | 0    |
| Science, Technology, Engineering & Math | 13   |
| Total Activity Count                    | 5576 |

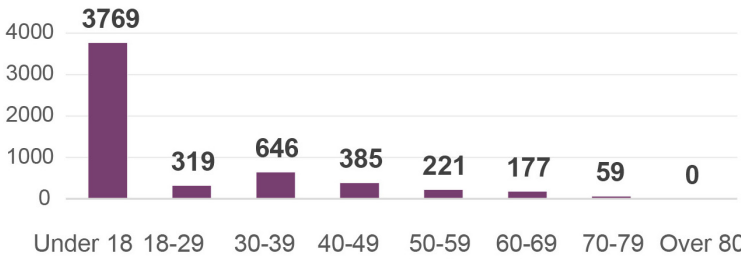
## Kiwanis Park Recreation Center and Wave Pool

### Counts By Gender



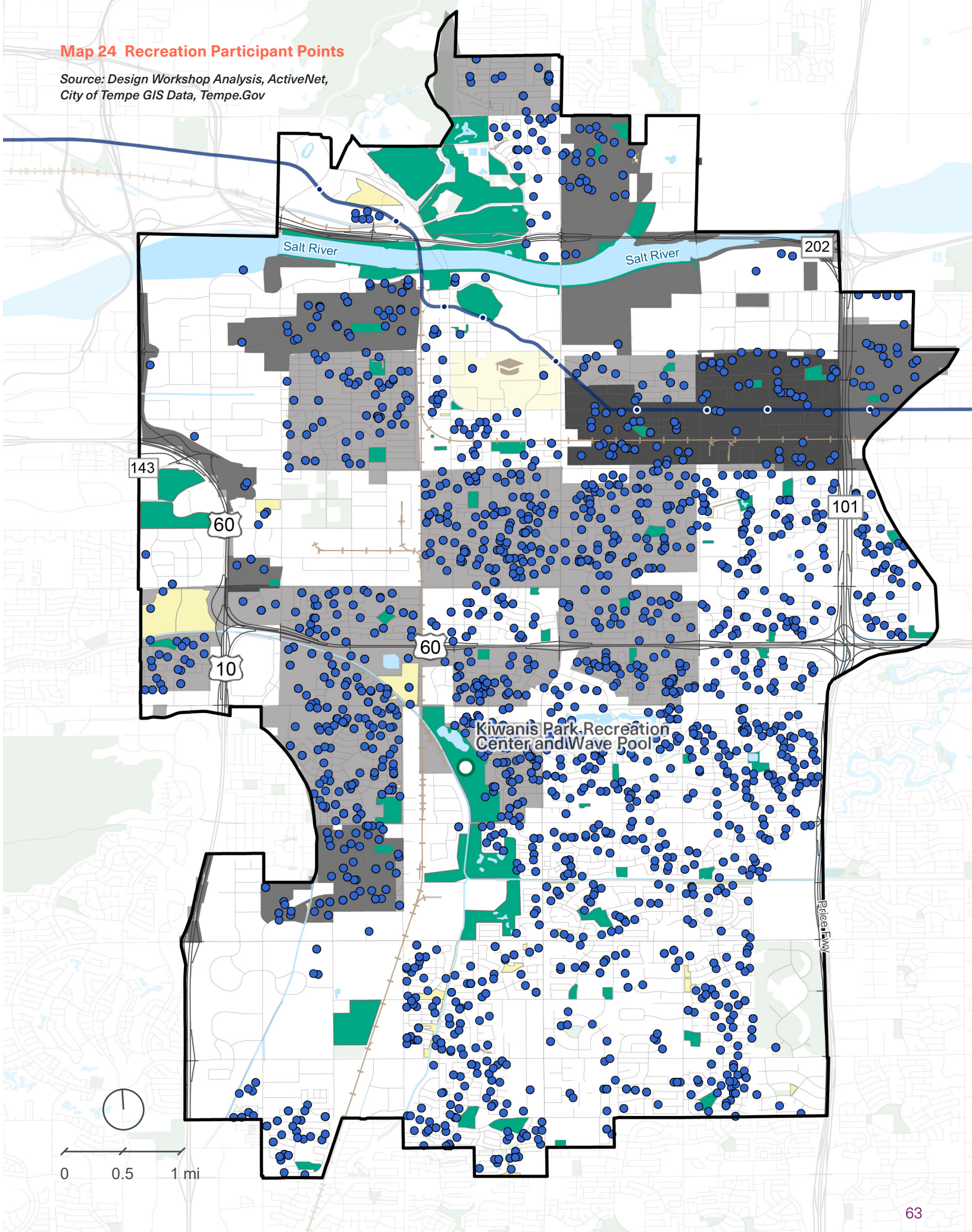
## Kiwanis Park Recreation Center and Wave Pool

### Counts By Age



## Map 24 Recreation Participant Points

Source: Design Workshop Analysis, ActiveNet,  
City of Tempe GIS Data, Tempe.Gov





# RECREATION PARTICIPANTS



## North Tempe Multi-Generational Center

- 687 participants
- Highest participation by those under 18

### Top Activities and Programming

1. Sports (412 participants)
2. Exercise & Fitness (198)
3. Adaptive Recreation (34)
4. Martial Arts (19)
5. Arts & Crafts (14)

### Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

### Recreation Participants

- Activity Participation Addresses

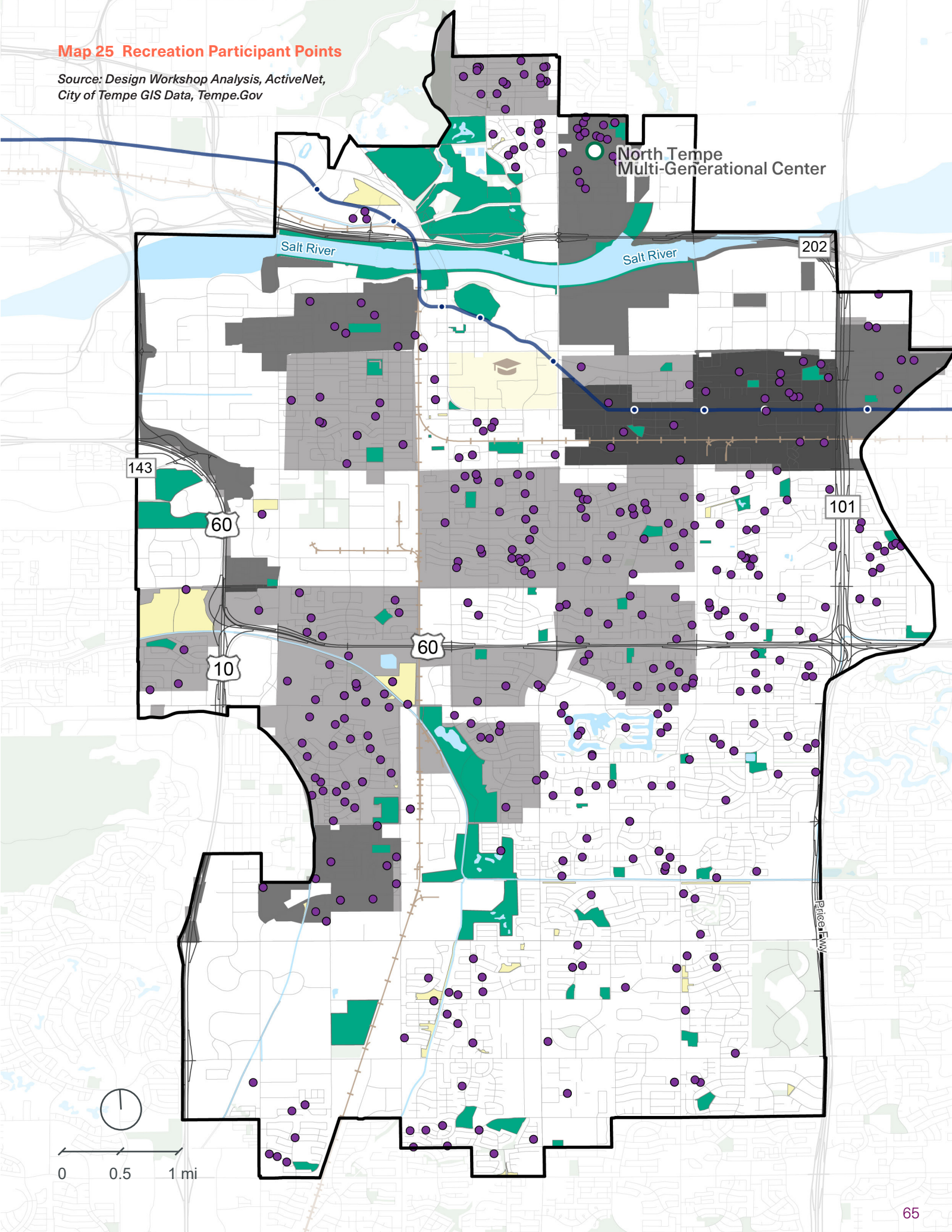
### Legend

- Tempe Recreation Center
- Tempe Parks and Recreation
- HOA/Private Parks
- Other County Parks and Open Space
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

| Activities & Participant Counts         |     |
|-----------------------------------------|-----|
| Arts                                    |     |
| Arts & Crafts                           | 14  |
| Dance, Music & Theater                  | 7   |
| Sports and Activities                   |     |
| Sports                                  | 412 |
| Tennis                                  | 0   |
| Aquatics                                | 0   |
| Martial Arts                            | 19  |
| Adaptive Recreation                     | 34  |
| Camps                                   | 0   |
| Exercise & Fitness                      | 198 |
| Social Activities                       | 0   |
| Special Event                           | 3   |
| Special Interest                        | 0   |
| Outdoor                                 |     |
| Boating                                 | 0   |
| Education                               |     |
| Health & Wellness                       | 0   |
| Books & Reading                         | 0   |
| Language                                | 0   |
| Culinary                                | 0   |
| Pet Education                           | 0   |
| Hobbies & Interests                     | 0   |
| Business, Computers & Technology        | 0   |
| Science, Technology, Engineering & Math | 0   |
| Total Activity Count                    | 687 |

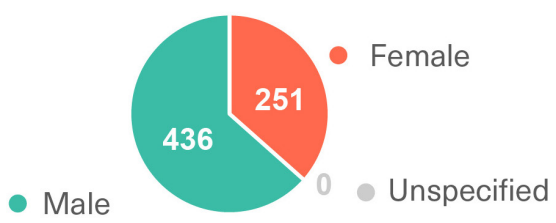
Map 25 Recreation Participant Points

Source: Design Workshop Analysis, ActiveNet, City of Tempe GIS Data, Tempe.Gov



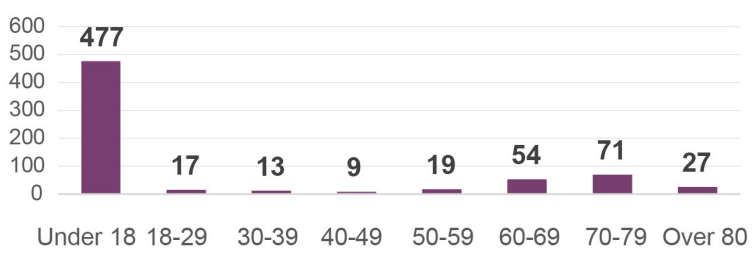
## North Tempe Multi-Generational Center

### Counts By Gender



## North Tempe Multi-Generational Center

### Counts By Age





# RECREATION PARTICIPANTS



## Pyle Adult Recreation Center

- 8,041 participants
- Highest participation by those over 60

### Top Activities and Programming

1. Exercise & Fitness (3,285 participants)
2. Social Activities (3,181)
3. Dance, Music & Theater (442)
4. Arts & Crafts (409)
5. Special Interest (206)

### Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

### Recreation Participants

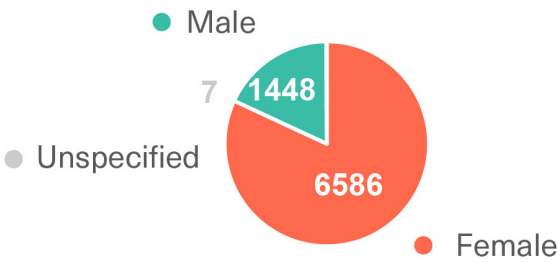
- Activity Participation Addresses

### Legend

- Tempe Recreation Center
- Tempe Parks and Recreation
- HOA/Private Parks
- Other County Parks and Open Space
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

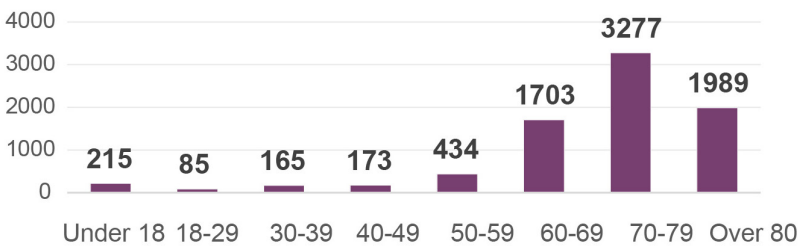
### Pyle Adult Recreation Center

#### Counts By Gender



### Pyle Adult Recreation Center

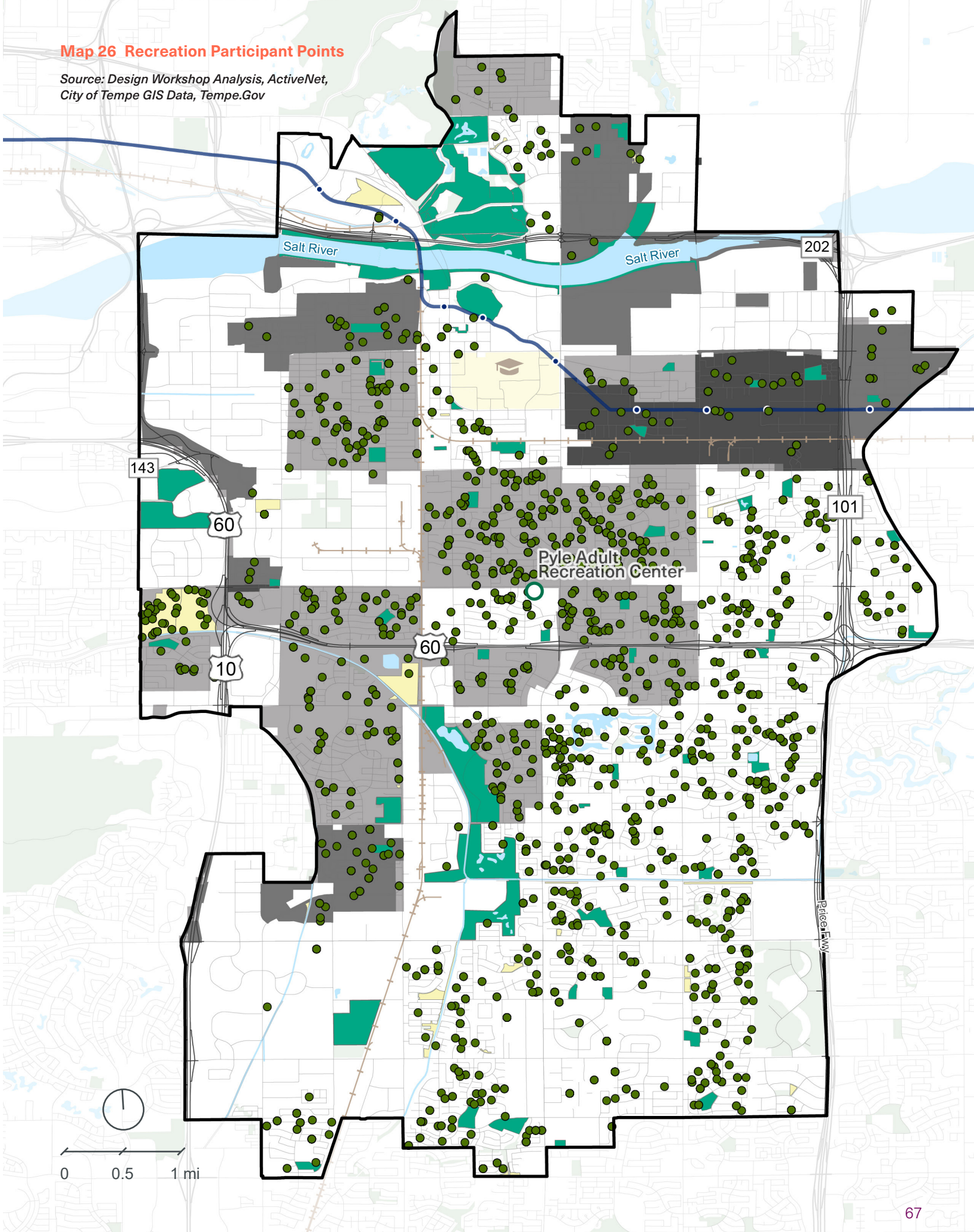
#### Counts By Age



| Activities & Participant Counts         |      |
|-----------------------------------------|------|
| Arts                                    | 851  |
| Arts & Crafts                           | 409  |
| Dance, Music & Theater                  | 442  |
| Sports and Activities                   | 6965 |
| Sports                                  | 4    |
| Tennis                                  | 0    |
| Aquatics                                | 0    |
| Martial Arts                            | 197  |
| Adaptive Recreation                     | 61   |
| Camps                                   | 0    |
| Exercise & Fitness                      | 3285 |
| Social Activities                       | 3181 |
| Special Event                           | 31   |
| Special Interest                        | 206  |
| Outdoor                                 | 0    |
| Boating                                 | 0    |
| Education                               | 225  |
| Health & Wellness                       | 46   |
| Books & Reading                         | 49   |
| Language                                | 19   |
| Culinary                                | 0    |
| Pet Education                           | 0    |
| Hobbies & Interests                     | 37   |
| Business, Computers & Technology        | 68   |
| Science, Technology, Engineering & Math | 6    |
| Total Activity Count                    | 8041 |

### Map 26 Recreation Participant Points

Source: Design Workshop Analysis, ActiveNet, City of Tempe GIS Data, Tempe.Gov





# RECREATION PARTICIPANTS

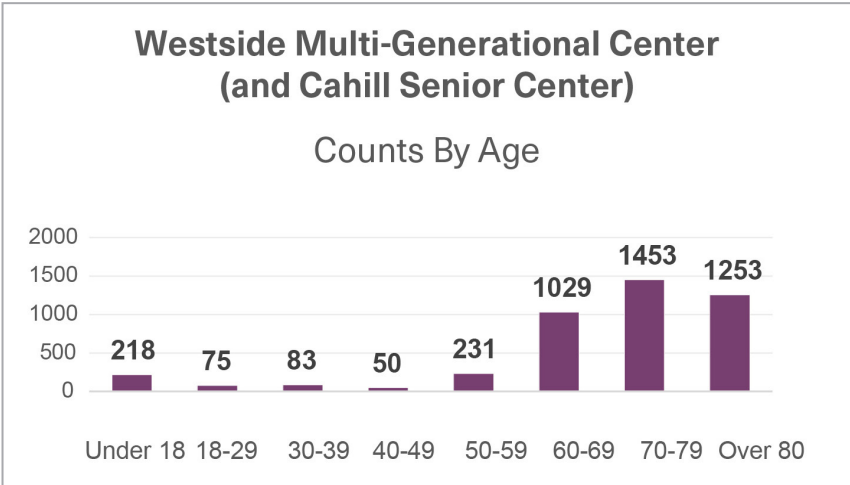
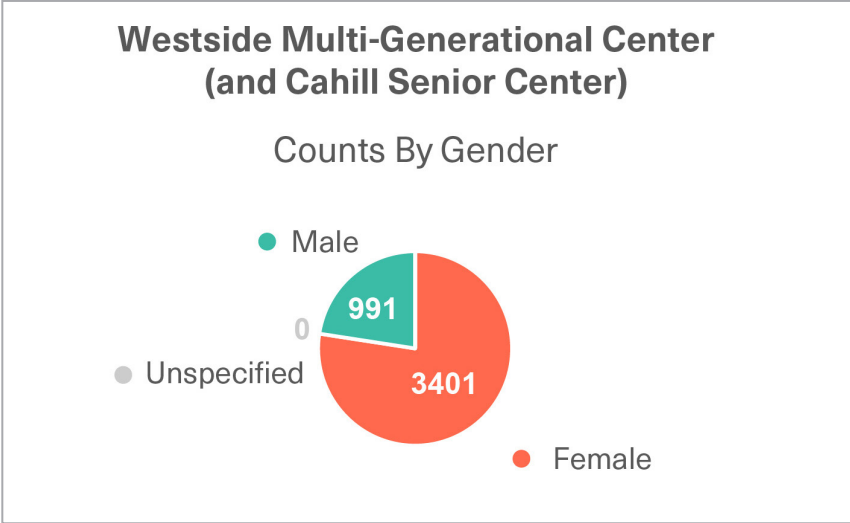


## Westside Multi-Generational Center (and Cahill Senior Center)

- 4392 participants
- Highest participation by those over 60

### Top Activities and Programming

1. Social Activities (3,045 participants)
2. Exercise & Fitness (705)
3. Adaptive Recreation (368)
4. Health & Wellness (91)
5. Sports (86)



### Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

### Recreation Participants

- Activity Participation Addresses

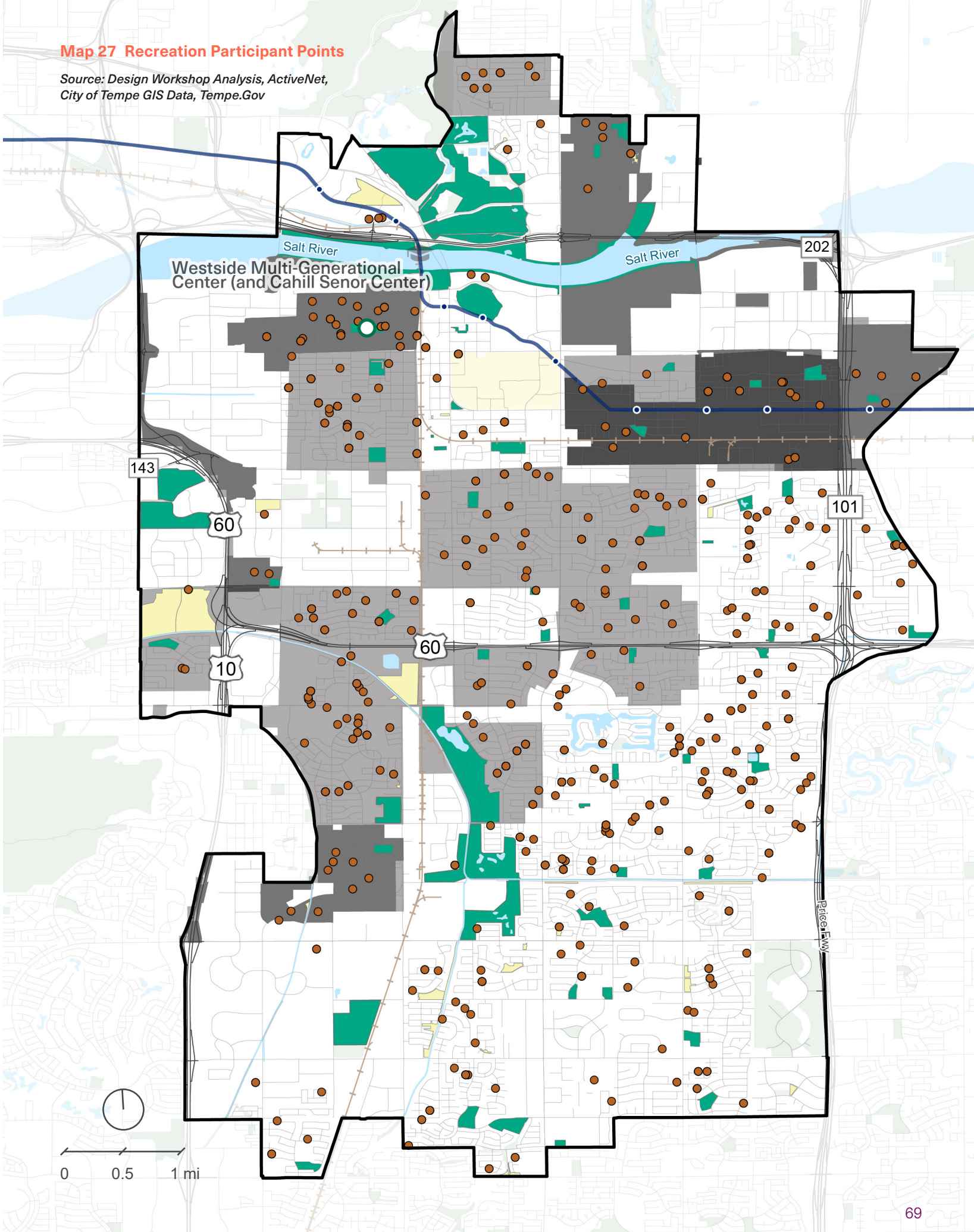
### Legend

- Tempe Recreation Center
- Tempe Parks and Recreation
- HOA/Private Parks
- Other County Parks and Open Space
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

| Activities & Participant Counts         |      |
|-----------------------------------------|------|
| Arts                                    | 6    |
| Arts & Crafts                           | 0    |
| Dance, Music & Theater                  | 6    |
| Sports and Activities                   | 4228 |
| Sports                                  | 86   |
| Tennis                                  | 0    |
| Aquatics                                | 0    |
| Martial Arts                            | 24   |
| Adaptive Recreation                     | 368  |
| Camps                                   | 0    |
| Exercise & Fitness                      | 705  |
| Social Activities                       | 3045 |
| Special Event                           | 0    |
| Special Interest                        | 0    |
| Outdoor                                 | 0    |
| Boating                                 | 0    |
| Education                               | 158  |
| Health & Wellness                       | 91   |
| Books & Reading                         | 0    |
| Language                                | 0    |
| Culinary                                | 53   |
| Pet Education                           | 0    |
| Hobbies & Interests                     | 0    |
| Business, Computers & Technology        | 0    |
| Science, Technology, Engineering & Math | 14   |
| Total Activity Count                    | 4392 |

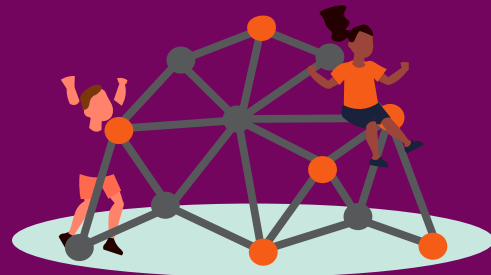
Map 27 Recreation Participant Points

Source: Design Workshop Analysis, ActiveNet, City of Tempe GIS Data, Tempe.Gov





# DISTRIBUTION, CONDITION, AND INVESTMENT



4

## Distribution, Condition, and Investment

- Conditions and Investment
- Accessibility Analysis (Walkshed)

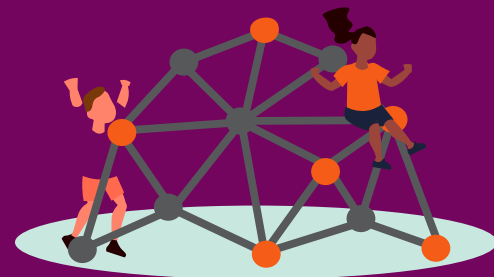


*What state are parks and recreation facilities in today?*

*How have we invested in our parks and facilities?*

*How many people can access a park within a half mile walk?*

# CONDITIONS AND INVESTMENT



## Distribution, Condition, and Investment

- Conditions and Investment

*What state are parks and recreation facilities in today?*

*How have we invested in our parks and facilities?*



# CONDITIONS ASSESSMENT



## Park and Facilities Conditions

The City of Tempe conducted and documented a conditions assessment for Tempe’s parks and recreation system in 2023. The conditions assessment rates parks and recreation centers on a 1 = Great to 5 = Very Poor condition scale\*.

Map 28 displays the park conditions based on the 1 through 4 ratings, with dark orange representing poor park conditions and dark green representing great park conditions.

Considerations for the park conditions rating include an evaluation of the following:

- Landscape
- ADA Access
- Lighting & Electrical
- Usage Impact
- Playground
- Sports Field/Court
- Irrigation (Flood and/or Sprinklers)
- General Condition
- Park Age/Last Improvement

## Park Conditions Rating

Great: System is newly constructed or renovated, highly functional;

Good: System has regular preventative maintenance needed, functional, no visible damage;

Fair: System has minor facility damage, aging facility, visible signs of deferred maintenance;

Poor: System has major facility damage, near failure, component replacement or repair needed;

Very Poor: System is not functional, complete replacement required, failed or missing components (also included undeveloped park lands not in service).

\* Note that no parks were rated as a 5 by park staff

### Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

### Park and Recreation Center Conditions Rating

- Great Conditions
- Good Conditions
- Fair Conditions
- Poor Conditions

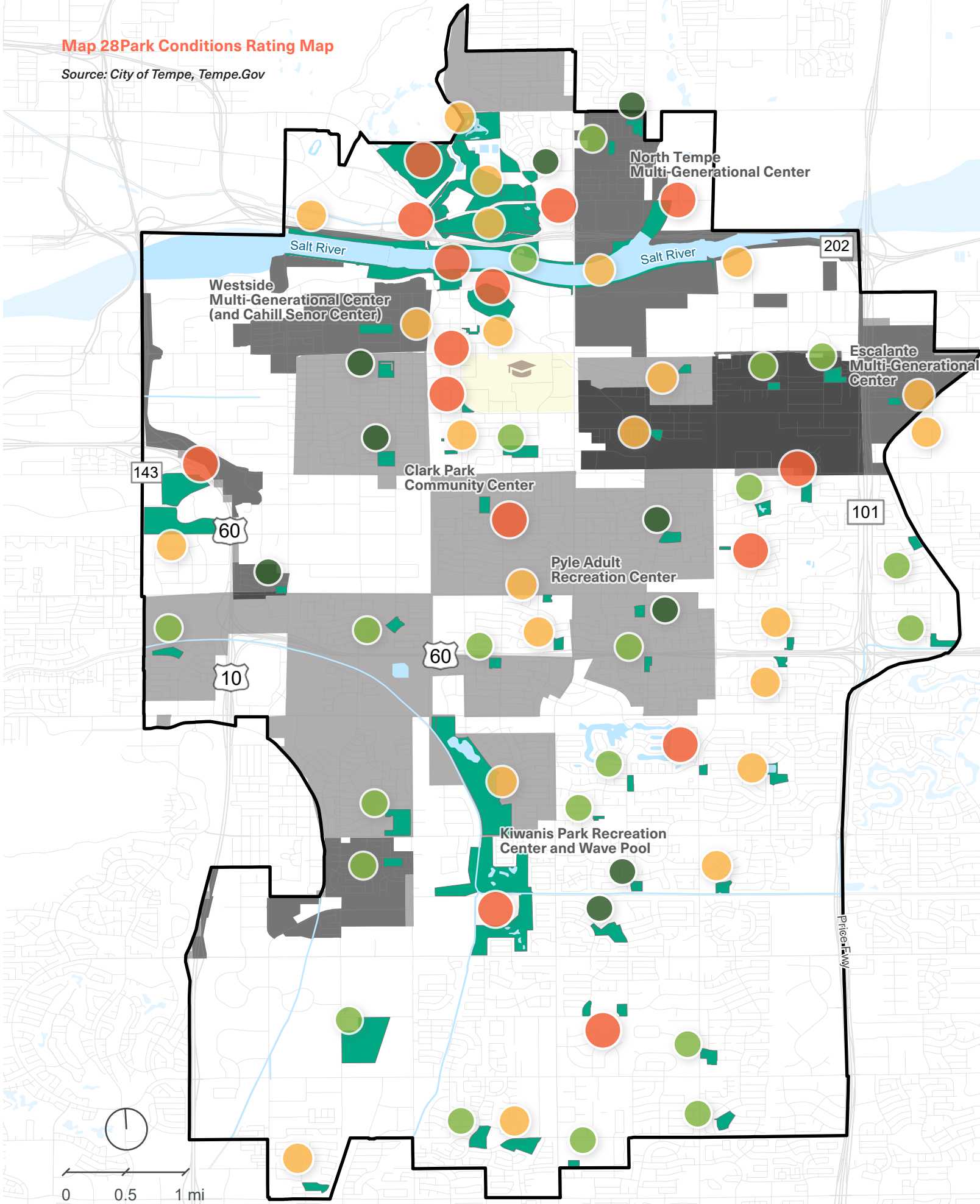
### Legend

- Tempe Parks and Recreation
- HOA/Private Parks
- Other County Parks and Open Space
- Recreation Centers
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

*There is a pattern of parks and recreation facilities rated as poor condition in the northern area of the city along the rail and Mill Ave corridors. Similarly, several parks located along the McClintock Drive corridor are rated poorly. Most parks classified as natural areas are assessed as being in poor condition.*

Map 28Park Conditions Rating Map

Source: City of Tempe, Tempe.Gov





Conditions Rating Analysis

A total of 67 Tempe parks and recreation spaces were evaluated in the condition assessment. Over half (55 percent) of the parks and recreation evaluated are in great or good condition. Thirty three percent are in fair condition and twenty two percent are in poor condition. Table 10 provides the breakdown of the conditions rating per classification. A complete list of the conditions rating per park is listed in Table 11.

Parks with fair park conditions include:

- Campbell Park
- Cole Park
- Creamery Park
- Diablo Stadium Complex
- Esquer Park
- Evelyn Hallman Park
- Hanger Park
- Jaycee Park
- Joyce Park
- Kiwanis Park
- Optimist Park
- Papago Park - North and South
- Parque de Soza
- Pyle Adult Recreation
- Ragsdale-MLK Park
- Rio - Arts Park
- Rio - Giuliano Park
- Rio Salado Park (Including Tempe Town Lake & non-named areas)
- Rotary Park

• Stroud Park

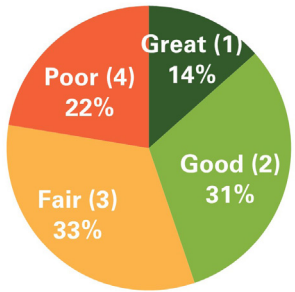
- Tempe High School tennis lights
- Victory

Parks with poor park conditions include:

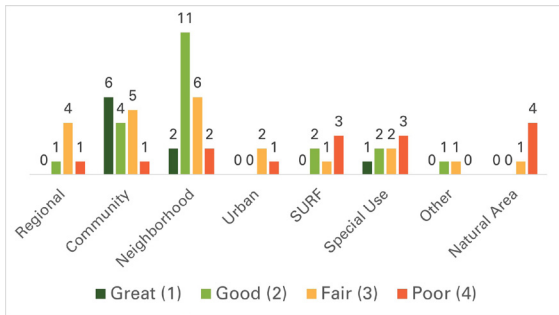
- Birchett Park
- Connolly Middle School
- Double Butte Cemetery
- Gaicki Park
- Hayden Butte Preserve
- Indian Bend Wash Habitat
- Ken McDonald Golf Course
- McClintock High School
- McKemy Middle School
- Moeur Park
- Papago Preserve
- Plazita de Descanso
- Rio -Tempe Beach Park
- Rolling Hills Golf Course
- Waggoner Park

Condition Ratings per Number of Parks

Great (1) Good (2) Fair (3)  
Poor (4) Very Poor (5)



Condition Ratings per Classification



- The majority of regional parks are in fair condition.
- Most community parks are in great or good condition.
- The majority of neighborhood parks are in good condition.
- All natural parks are in poor or fair condition.

| Table 10 Park Conditions Rating Per Park Classification |          |           |              |       |      |             |       |              |       |
|---------------------------------------------------------|----------|-----------|--------------|-------|------|-------------|-------|--------------|-------|
| Rating                                                  | Regional | Community | Neighborhood | Urban | SURF | Special Use | Other | Natural Area | Total |
| Great = 1                                               | 0        | 6         | 2            | 0     | 0    | 1           | 0     | 0            | 9     |
| Good = 2                                                | 1        | 4         | 11           | 0     | 2    | 2           | 1     | 0            | 21    |
| Fair = 3                                                | 4        | 5         | 6            | 2     | 1    | 2           | 1     | 1            | 22    |
| Poor = 4                                                | 1        | 1         | 2            | 1     | 3    | 3           | 0     | 4            | 15    |
| Very Poor = 5                                           | 0        | 0         | 0            | 0     | 0    | 0           | 0     | 0            | 0     |
| Total Parks                                             | 6        | 16        | 21           | 3     | 6    | 8           | 2     | 5            | 67    |



Table 11 Conditions Rating Per Park

| #  | Tempe Parks and Recreation                                    | Class        | Score | Rating |
|----|---------------------------------------------------------------|--------------|-------|--------|
| 1  | Kiwanis Park                                                  | Regional     | 3     | Fair   |
| 2  | Rio - Arts Park                                               | Regional     | 3     | Fair   |
| 3  | Rio - Giuliano Park                                           | Regional     | 3     | Fair   |
| 4  | Rio - Marina                                                  | Regional     | 2     | Good   |
| 5  | Rio - Tempe Beach Park                                        | Regional     | 4     | Poor   |
| 6  | Rio Salado Park (Including Tempe Town Lake & non-named areas) | Regional     | 3     | Fair   |
| 7  | Clark Park                                                    | Community    | 1     | Great  |
| 8  | Corbell Park                                                  | Community    | 1     |        |
| 9  | Daley Park                                                    | Community    | 2     | Good   |
| 10 | Escalante Park                                                | Community    | 2     | Good   |
| 11 | Esquer Park                                                   | Community    | 3     | Fair   |
| 12 | Hanger Park                                                   | Community    | 3     | Fair   |
| 13 | Mary and Moses Green Park*                                    | Community    | 2     | Good   |
| 14 | Hollis Park                                                   | Community    | 1     | Great  |
| 15 | Parque de Soza*                                               | Community    | 3     | Fair   |
| 16 | Indian Bend Park                                              | Community    | 1     | Great  |
| 17 | Jaycee Park                                                   | Community    | 3     | Fair   |
| 18 | Meyer Park                                                    | Community    | 1     | Great  |
| 19 | Mitchell Park                                                 | Community    | 1     | Great  |
| 20 | Papago Park North, Papago Park South                          | Community    | 3     | Fair   |
| 21 | Selleh Park                                                   | Community    | 2     | Good   |
| 22 | Waggoner Park                                                 | Community    | 4     | Poor   |
| 23 | Alegre Park                                                   | Neighborhood | 2     | Good   |
| 24 | Arredondo Park                                                | Neighborhood | 2     | Good   |
| 25 | Birchett Park                                                 | Neighborhood | 4     | Poor   |
| 26 | Campbell Park                                                 | Neighborhood | 3     | Fair   |
| 27 | Celaya Park                                                   | Neighborhood | 2     | Good   |
| 28 | Cole Park                                                     | Neighborhood | 3     | Fair   |
| 29 | Daumler Park                                                  | Neighborhood | 2     | Good   |
| 30 | Dwight Park                                                   | Neighborhood | 2     | Good   |
| 31 | Ehrhardt Park                                                 | Neighborhood | 2     | Good   |
| 32 | Estrada Park                                                  | Neighborhood | 2     | Good   |
| 33 | Gaicki Park                                                   | Neighborhood | 4     | Poor   |
| 34 | Goodwin Park                                                  | Neighborhood | 2     | Good   |
| 35 | Joyce Park                                                    | Neighborhood | 3     | Fair   |
| 36 | Optimist Park                                                 | Neighborhood | 3     | Fair   |
| 37 | Palmer Park                                                   | Neighborhood | 2     | Good   |

\* Name Changes: Redden Park: Michelle Brooks-Totress Park, Harelson Park: Mary and Moses Green Park, Hudson Park: Parque de Soza and 6th Street Park: Ragsdale-MLK Park

| #  | Tempe Parks and Recreation            | Class        | Score | Rating |
|----|---------------------------------------|--------------|-------|--------|
| 38 | Peterson Park                         | Neighborhood | 1     | Great  |
| 39 | Michelle Brooks-Totress Park*         | Neighborhood | 1     | Great  |
| 40 | Rotary Park                           | Neighborhood | 3     | Fair   |
| 41 | Scudder Park                          | Neighborhood | 2     | Good   |
| 42 | Stroud Park                           | Neighborhood | 3     | Fair   |
| 43 | Svob Park                             | Neighborhood | 2     | Good   |
| 44 | Ragsdale-MLK Park*                    | Urban        | 3     | Fair   |
| 45 | Creamery Park                         | Urban        | 3     | Fair   |
| 46 | Plazita de Descanso                   | Urban        | 4     | Poor   |
| 47 | Connolly Middle School                | SURF         | 4     | Poor   |
| 48 | Corona del Sol High                   | SURF         | 2     | Good   |
| 49 | Marcos de Niza High                   | SURF         | 2     | Good   |
| 50 | McClintock High School                | SURF         | 4     | Poor   |
| 51 | McKemy Middle School                  | SURF         | 4     | Poor   |
| 52 | Tempe High School                     | SURF         | 3     | Fair   |
| 53 | Benedict Sports Complex               | Special Use  | 2     | Good   |
| 54 | Diablo Stadium Complex                | Special Use  | 3     | Fair   |
| 55 | Double Butte Cemetery                 | Special Use  | 4     | Poor   |
| 56 | Ken McDonald Golf Course              | Special Use  | 4     | Poor   |
| 57 | Rolling Hills Golf Course             | Special Use  | 4     | Poor   |
| 58 | Tempe Sports Complex                  | Special Use  | 2     | Good   |
| 59 | Tempe Woman's Club Park               | Special Use  | 1     | Great  |
| 60 | Victory                               | Special Use  | 3     | Fair   |
| 61 | Evelyn Hallman Park                   | Natural Area | 3     | Fair   |
| 62 | Hayden Butte Preserve                 | Natural Area | 4     | Poor   |
| 63 | Indian Bend Wash Habitat              | Natural Area | 4     | Poor   |
| 64 | Moeur Park                            | Natural Area | 4     | Poor   |
| 65 | Papago Preserve                       | Natural Area | 4     | Poor   |
| 66 | North Tempe Multi-Generational Center | Other        | 2     | Good   |
| 67 | Pyle Adult Recreation Center          | Other        | 3     | Fair   |



# CAPITAL INVESTMENT HISTORY

## Capital Investment History 2015-2023

Examining the history of investment in parks and facilities informs an understanding of how fair prioritization processes have been and how public investments contribute to equality in access to services. From 2015 to 2019, the City of Tempe retooled the parks Capital Improvement Plan (CIP) process with a focus on managing assets across the park system, particularly neighborhood and community parks.

Map 29 displays the dollar range of investments in improvements to parks and recreation facilities using all funding sources (grants, CIP, and more) from 2015-2023. The goal of upholding basic standards for neighborhood and community parks, such as replacing aged playgrounds, benches and more, is evident as many smaller investments have been distributed widely. Roughly half the total amount of money was spent on parks within Equity Zones than those outside of Equity Zones. This higher level of investment outside of Equity Zones is in part due to some multimillion-dollar investments in regional serving facilities such as the Diablo Stadium Complex and recreation facilities for shared use with schools. Most of the recreation center investments are within Equity Zones and received higher levels of investment.

This view of past investments provides an opportunity to consider how the next decade of investment can be directed for fair and equitable provision.



### Equity Zones Composite

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

### Legend

- Tempe Parks and Recreation
- HOA/Private Parks
- Other County Parks and Open Space
- Recreation Centers
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University

### Recreation Center Investments 2015-2023

- \$444,753 - \$500,000
- \$500,001 - \$1,000,000
- \$1,000,001 - \$3,000,000
- \$3,000,001 - \$6,228,017

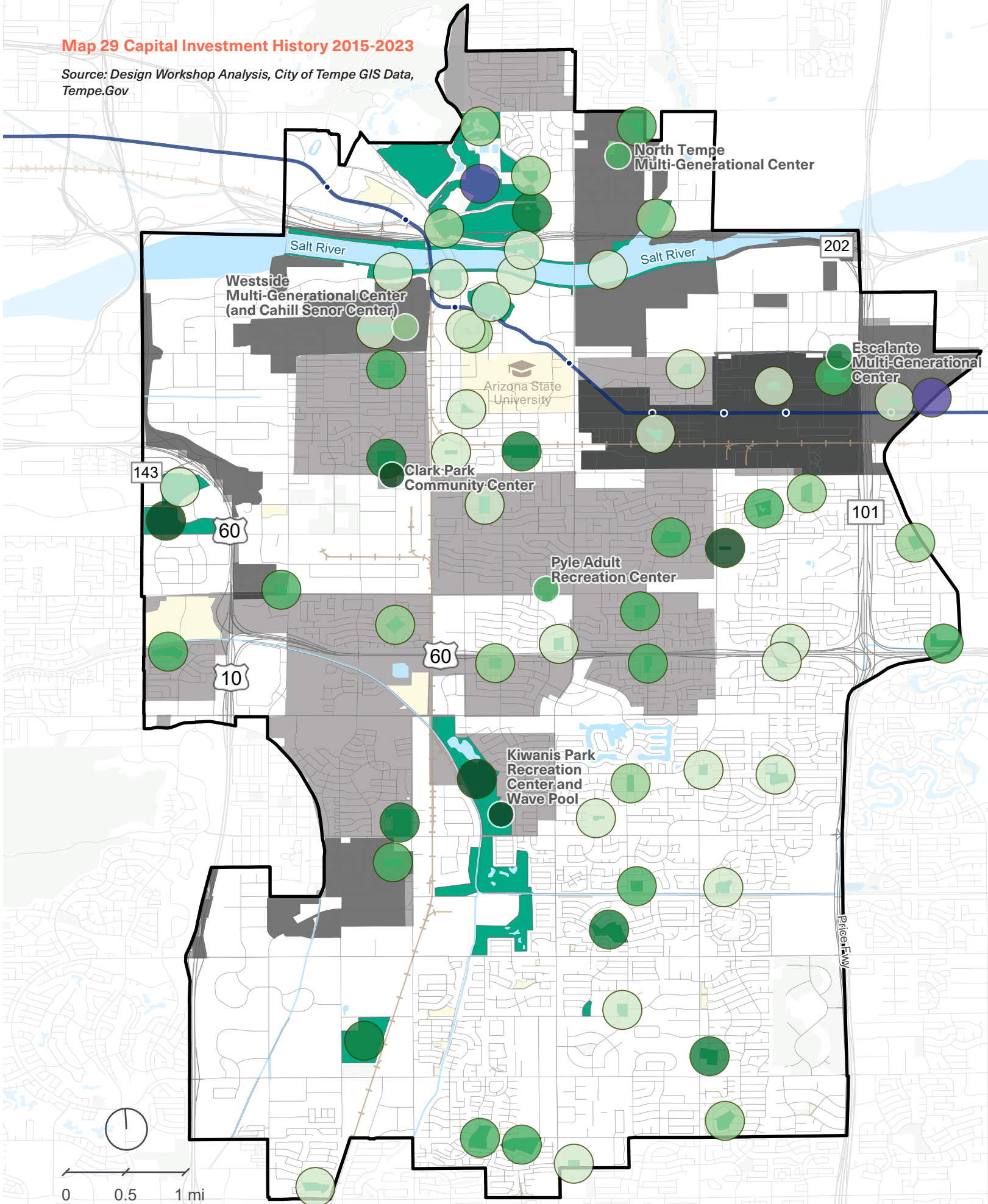
### Park Investments 2015-2023

- \$0 Capital Investments
- \$1 - \$100,000
- \$100,001 - \$500,000
- \$500,001 - \$1,000,000
- \$1,000,001 - \$3,000,000
- \$3,000,001 - \$6,030,565

Source: Design Workshop Analysis, City of Tempe GIS Data, Tempe.Gov

Map 29 Capital Investment History 2015-2023

Source: Design Workshop Analysis, City of Tempe GIS Data, Tempe.Gov



# ACCESSIBILITY ANALYSIS (WALKSHED)



*How many people can access a park within a half mile walk?*



Accessibility Analysis (Walkshed)

Introduction

To better understand the park and recreation accessibility within Tempe’s parks and recreation system, the walkshed investigated a half-mile or ten-minute walk distance between residential addresses and publicly accessible park and recreation properties. Households within the half-mile or ten-minute walk distance are considered to have close proximity or walking distance to a public park or recreation center. The analysis uses the existing transportation system, including pedestrian networks, and considers barriers such as highways, high-speed roads, waterways, and rail that may impede pedestrian access.

Service Areas

The Parks and Recreation Center Access Map (Map 31) highlights the accessibility of park and recreation centers within Tempe within a half-mile or ten-minute walk distance of residential areas. The map defines areas in green as accessible to a park within a half-mile or 10-minute walking distance. Areas not highlighted in green are not within a half-mile or 10-minute walk of Tempe’s parks and recreation system and are considered a park and recreation gap. Homes within the park and recreation gap are highlighted in tan. There are 60,316 homes (70 percent) within a half-mile or 10 minute walk of a park or recreation amenity (Table 12).

Map 30 displays the walkshed analysis with the industrial and commercial zoning to better understand where residential areas are related to nonresidential areas.

Park Accessibility

Accessibility within half mile or 10 minute walking distance

Homes within a half mile or 10 minute park and recreation gap

Industrial and Commercial Zoning

Park Accessibility

Accessibility within half mile or 10 minute walking distance

Homes within a half mile or 10 minute park and recreation gap

Legend

Tempe Parks and Recreation

Special Use Parks

SURF Parks\*

Golf Courses\*

HOA/Private Parks\*

Other County Parks and Open Space\*

Recreation Centers

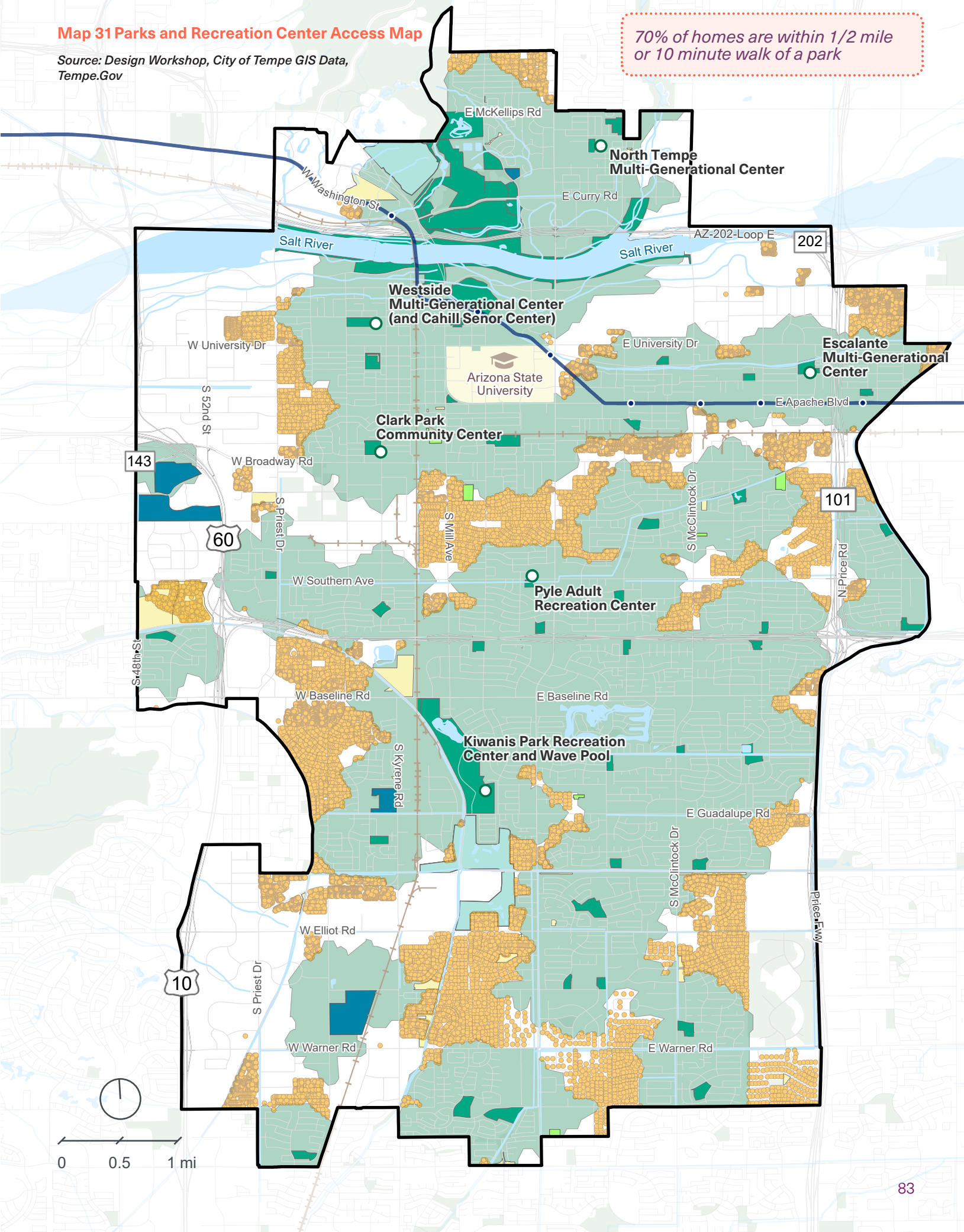
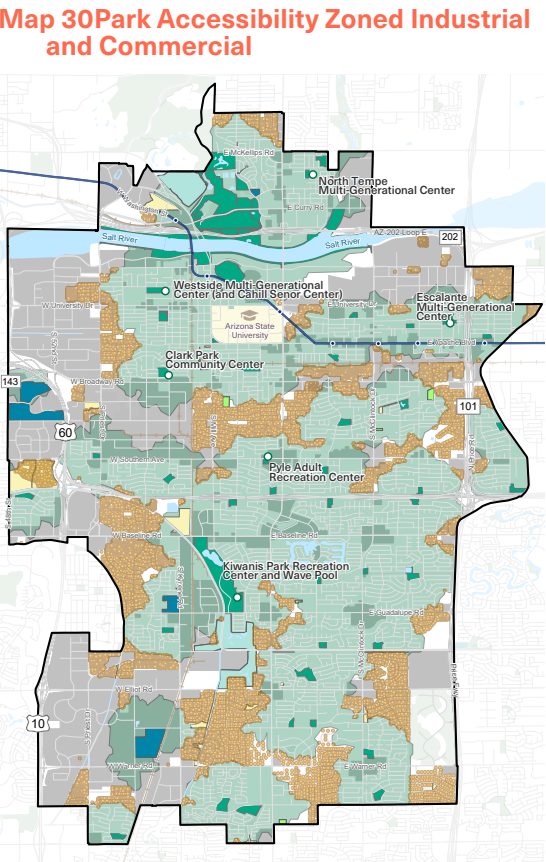
Valley Metro Light Rail Stations

Valley Metro Rail Line

City of Tempe

Arizona State University

\*Not included in the walkshed analysis



### Walkshed Analysis Methodology

#### Parks and Recreation Centers included in the analysis:

A total of 64 parks and recreation centers were included in the walkshed analysis.

Parks included in the walkshed:

- Regional Parks
- Neighborhood Park
- Community Park
- Urban Parks
- Natural Areas
  - » Evelyn Hallman Park
  - » Hayden Butte Preserve
  - » Indian Bend Wash Habitat
  - » Moeur Park
  - » Papago Preserve
- Special Use

#### Recreation Centers included in the analysis:

- Clark Park Community Center
- Escalante Multi-Generational Center
- Kiwanis Park Recreation Center and Wave Pool
- North Tempe Multi-Generational Center
- Pyle Adult Recreation Center
- Westside Multi-Generational Center

SURF Parks, Golf Courses, HOA or Private Parks and Other County Parks and Open Space are not included in the analysis due to the private/fee-based nature of the facility type.

70%  
of homes are within a 1/2 mile walk of a park or recreation center.

### Residential Access to a Public Park

#### Residential Addresses

Layering residential address points over the walkshed indicates specific homes not within a short walk of parks or recreation centers, highlighting the city’s park and recreation access gaps.

Most residents within the City of Tempe (70 percent) are within a half mile or 10 minute walk (Table 12). 30 percent of homes within Tempe do not have access to a park or recreation center within half mile walk. More acutely, 19 percent of homes in Tempe are condos, apartments, or trailers that do not have access to a park or recreation center (Table 13).

| Table 12 Residential Address Points Within a 0.5 mile or 10 minute walk |                          |                              |
|-------------------------------------------------------------------------|--------------------------|------------------------------|
| RESIDENTIAL ADDRESS POINTS<br>Within a 0.5 mile or 10 minute walk       |                          |                              |
| Residential Address Type                                                | Number of Address Points | Percentage of Address Points |
| SFR (Detached Single Family Residential)                                | 22,866                   | 26%                          |
| MF (Multifamily Unique Address - Townhome)                              | 5,461                    | 6%                           |
| MF_S (Multifamily Unit - Condo, Apartment, Trailer)                     | 31,989                   | 37%                          |
| Total                                                                   | 60,316                   | 70%                          |

| Table 13 Residential Address Points Not Within a 0.5 mile or 10 minute walk |                          |                              |
|-----------------------------------------------------------------------------|--------------------------|------------------------------|
| RESIDENTIAL ADDRESS POINTS<br>Not within a 0.5 mile or 10 minute walk       |                          |                              |
| Residential Address Type                                                    | Number of Address Points | Percentage of Address Points |
| SFR (Detached Single Family Residential)                                    | 7,574                    | 9%                           |
| MF (Multifamily Unique Address - Townhome)                                  | 1,842                    | 2%                           |
| MF_S (Multifamily Unit - Condo, Apartment, Trailer)                         | 16,891                   | 19%                          |
| Total                                                                       | 26,307                   | 30%                          |





Walkshed Accessibility in an Equity Zone Analysis

The Park Accessibility in an Equity Zone Map (Map 32) overlays the accessibility of park and recreation centers within a half mile or ten minute walking distance with the Equity Zones.

**Park Accessibility**

- Accessibility within half mile or 10 minute walking distance
- Industrial and Commercial Zoning

**Equity Zones**

- Not an Equity Priority Area
- Medium Equity Priority
- High Equity Priority
- Very High Equity Priority

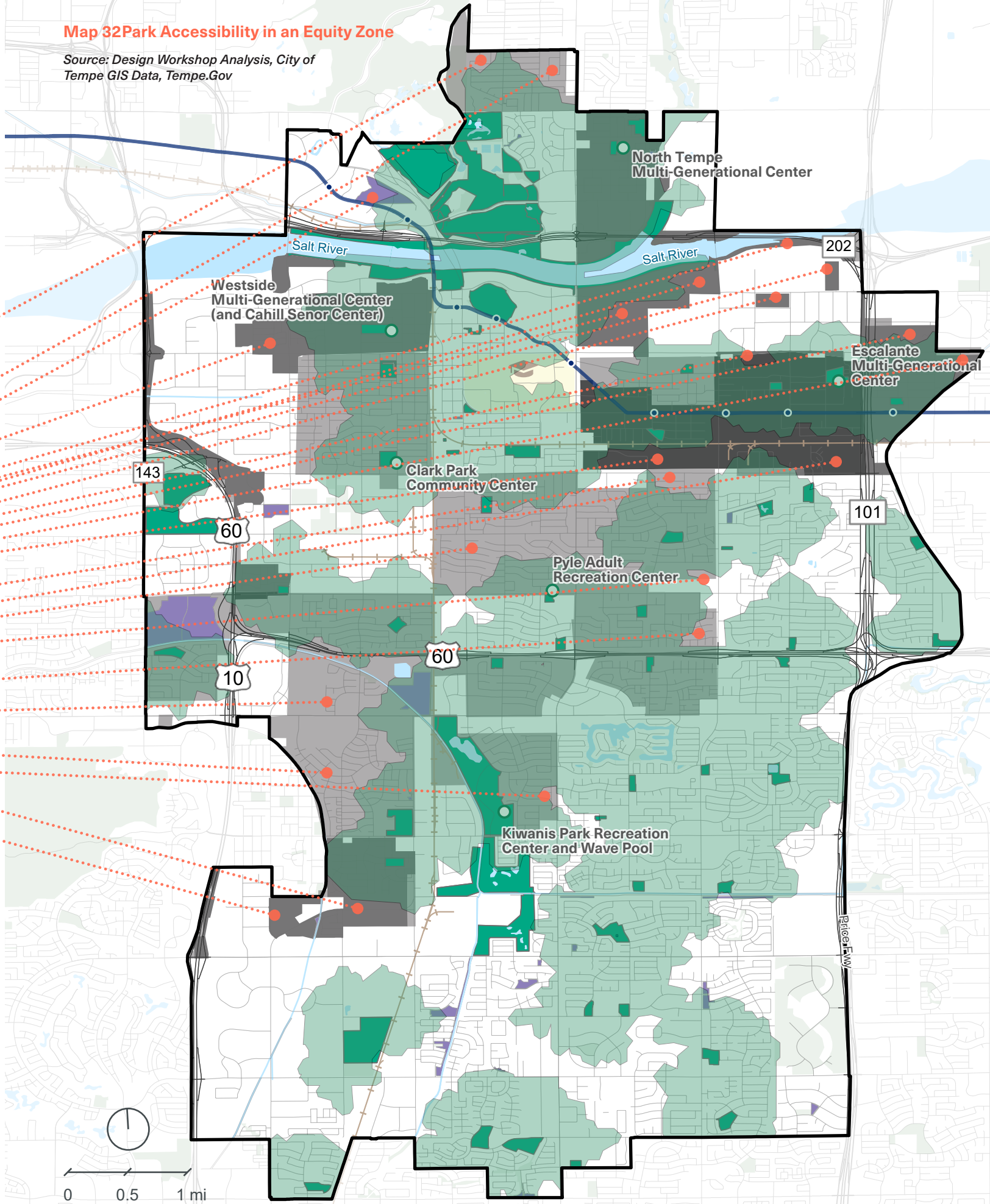
**Legend**

- Tempe Parks and Recreation
- Recreation Centers
- HOA/Private Parks
- Other County Parks and Open Space\*
- Valley Metro Light Rail Stations
- Valley Metro Rail Line
- City of Tempe
- Arizona State University



Map 32Park Accessibility in an Equity Zone

Source: Design Workshop Analysis, City of Tempe GIS Data, Tempe.Gov





# **making space:**

AN EQUITY STUDY FOR  
PARKS AND RECREATION

## **Tempe Parks and Recreation Equity Memo**

Prepared for the City of Tempe, Arizona

Prepared by: **DESIGNWORKSHOP**