

Seasonal Housing Data Update

Arizona State University Data and Geographic Information Systems Support On-Call

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MAG Task Order NO. GD1307

Task 1. Refine Requirements

- Evaluate the requirements for the task order
 - Clarify uncertainties
 - Summarize perceived requirements
- Meeting with Jason Howard
 - Took possession of existing data
 - Determined the process for data collection, update, and delivery

Task 2. GIS Data Update

- Feature Update
 - Determine completeness of the MAG MH/RV parks shapefile
 - Update with new features as discovered
- Attribute Update
 - Park Spaces
 - Park Occupancy
- Metadata update
 - To reflect data collection methods used as well as any other relevant information

Data Collected

Feature Data

- New or previously undocumented parks to be added to the dataset
- Missing and/or incorrect park names, addresses, and phone numbers

Attribute Data

- Total number of park spaces
 - Number of RV spaces
 - Number of MH spaces
- Total number of spaces occupied on January 1st and July 1st of 2015
 - Number occupied full time
 - Number occupied 2 weeks or less
 - Number occupied for the season

Methodology

Feature Dataset

- Locate and add new or undocumented parks to the dataset
 - Original MAG mobile home and RV parks shapefile
 - Directories
 - Online searches
 - Aerial survey
 - Assessor parcel and park data

Attribute Data

- Surveys
 - Contact each park in the dataset:
 - Phone
 - Fax
 - email
- Field checks
 - Parks that were unreachable via remote means
 - Verify location
 - Conduct survey

Metadata

- Documentation of the data collection process maintained throughout the project
 - Used to update metadata

Compiling the Dataset

Sources

- Original MAG shapefile
- Pinal County mobile home and RV parks parcel shapefile
 - Provided by the Central Arizona Association of Governments (CAAG)
 - Partially out-of-date
- Assessor APN parks excel file
 - Created by the Pinal County Assessor's Office
 - Out-of-date
- ESRI Business Analyst 2014

Process

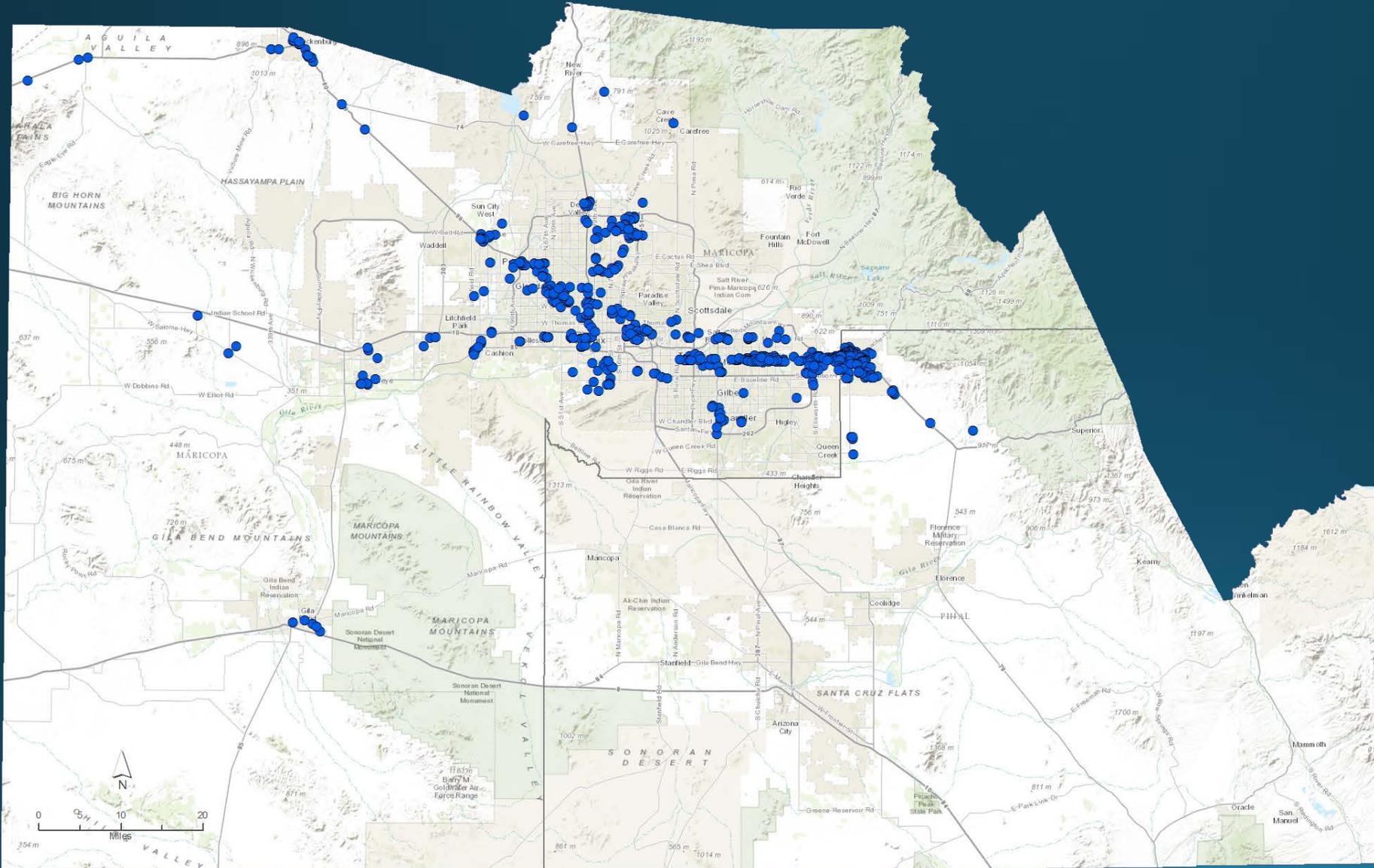
- Determine if parks from these additional sources need to be added to the MAG dataset
 - Dataset comparison
 - Internet searches
 - Phone calls
 - Aerial survey
- Update missing and/or incorrect park names, addresses, and numbers for entire dataset using same sources

Compiling the Dataset

2013 Parks Dataset

606 Total Parks

- 499 in Maricopa County
- 107 in Pinal County



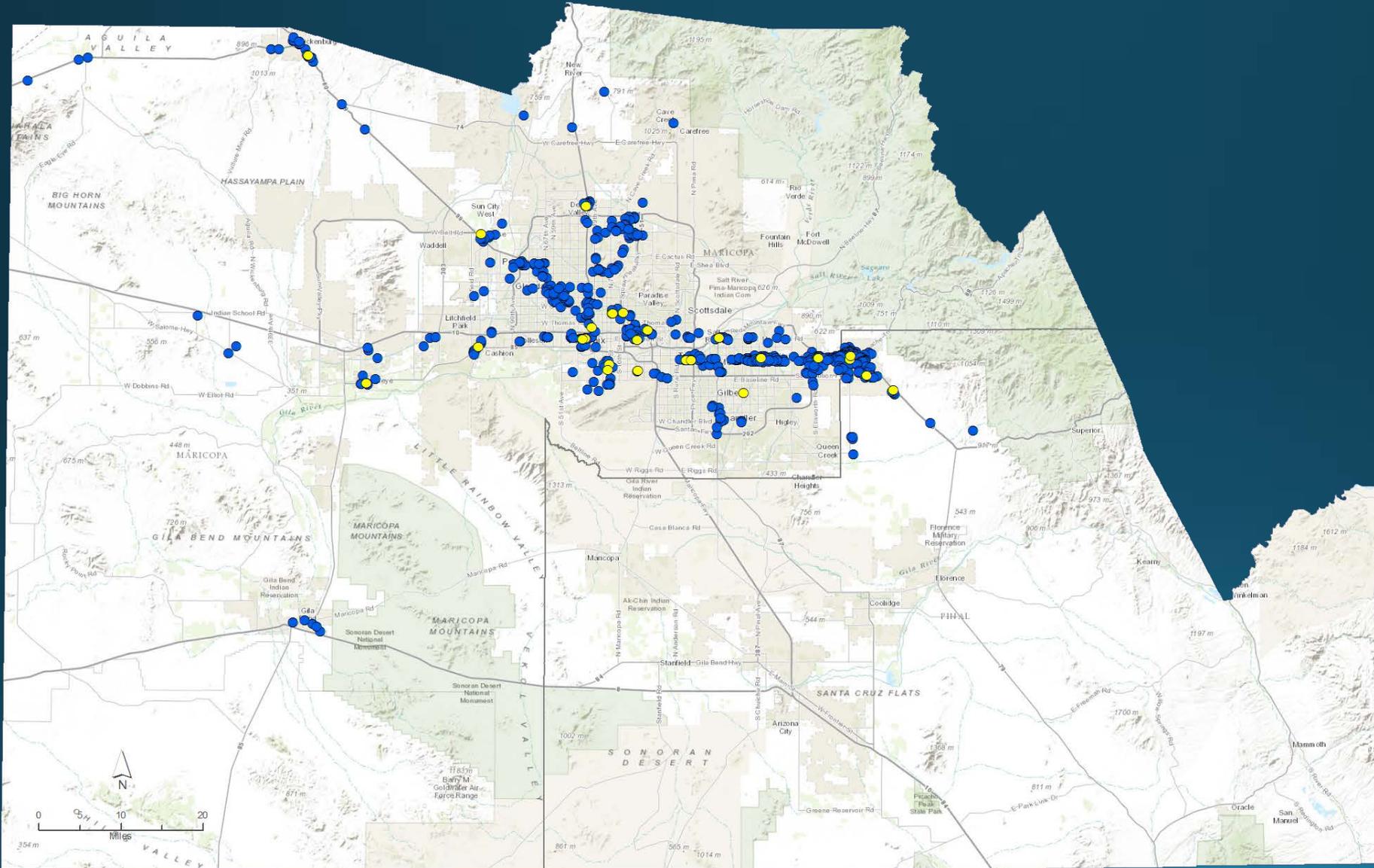
Compiling the Dataset

2013 Parks Dataset
606 Total Parks

- 499 in Maricopa County
- 107 in Pinal County

32 Parks Removed

28 from Maricopa County
4 from Pinal County



Compiling the Dataset

2013 Parks Dataset

606 Total Parks

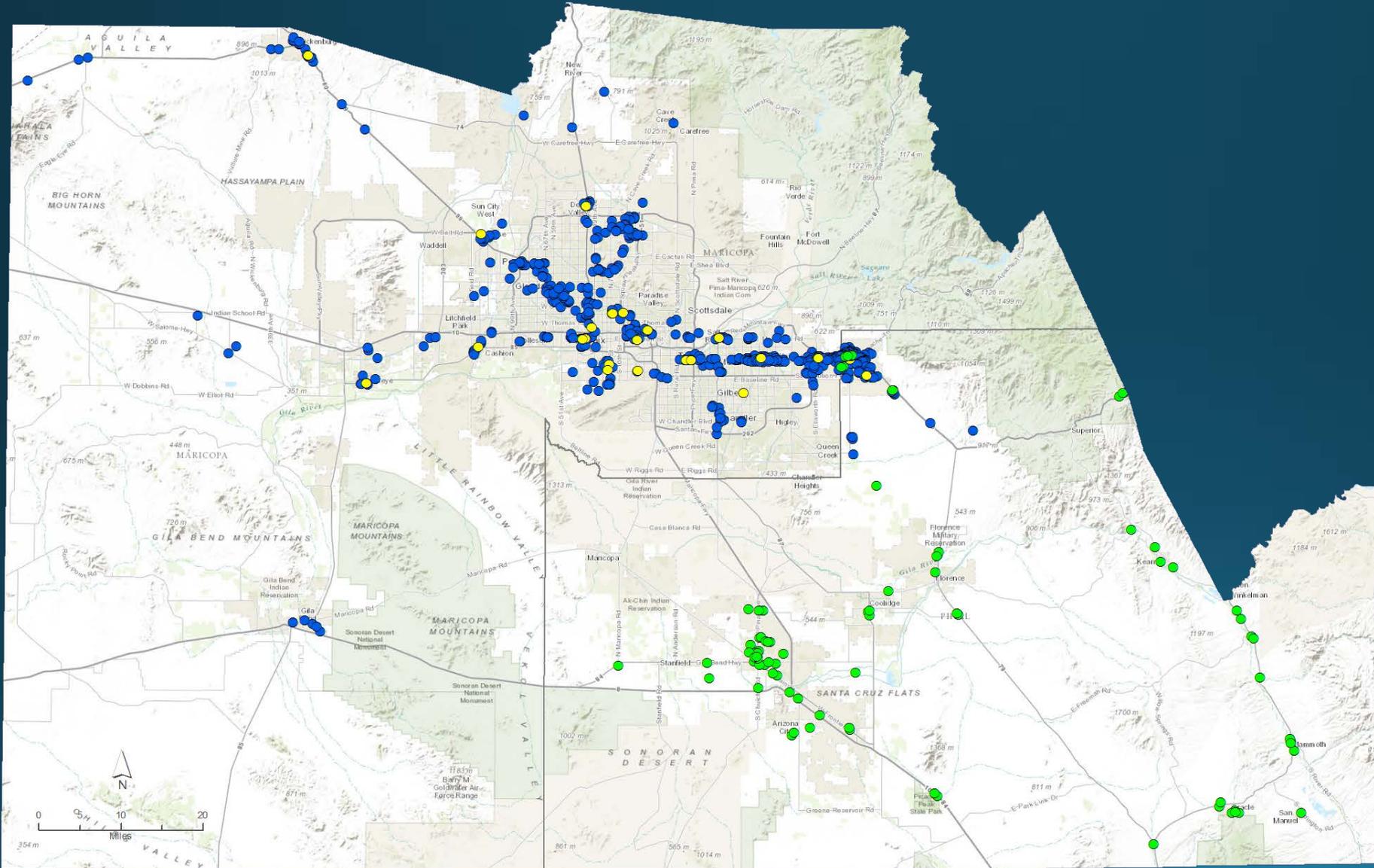
- 499 in Maricopa County
- 107 in Pinal County

32 Parks Removed

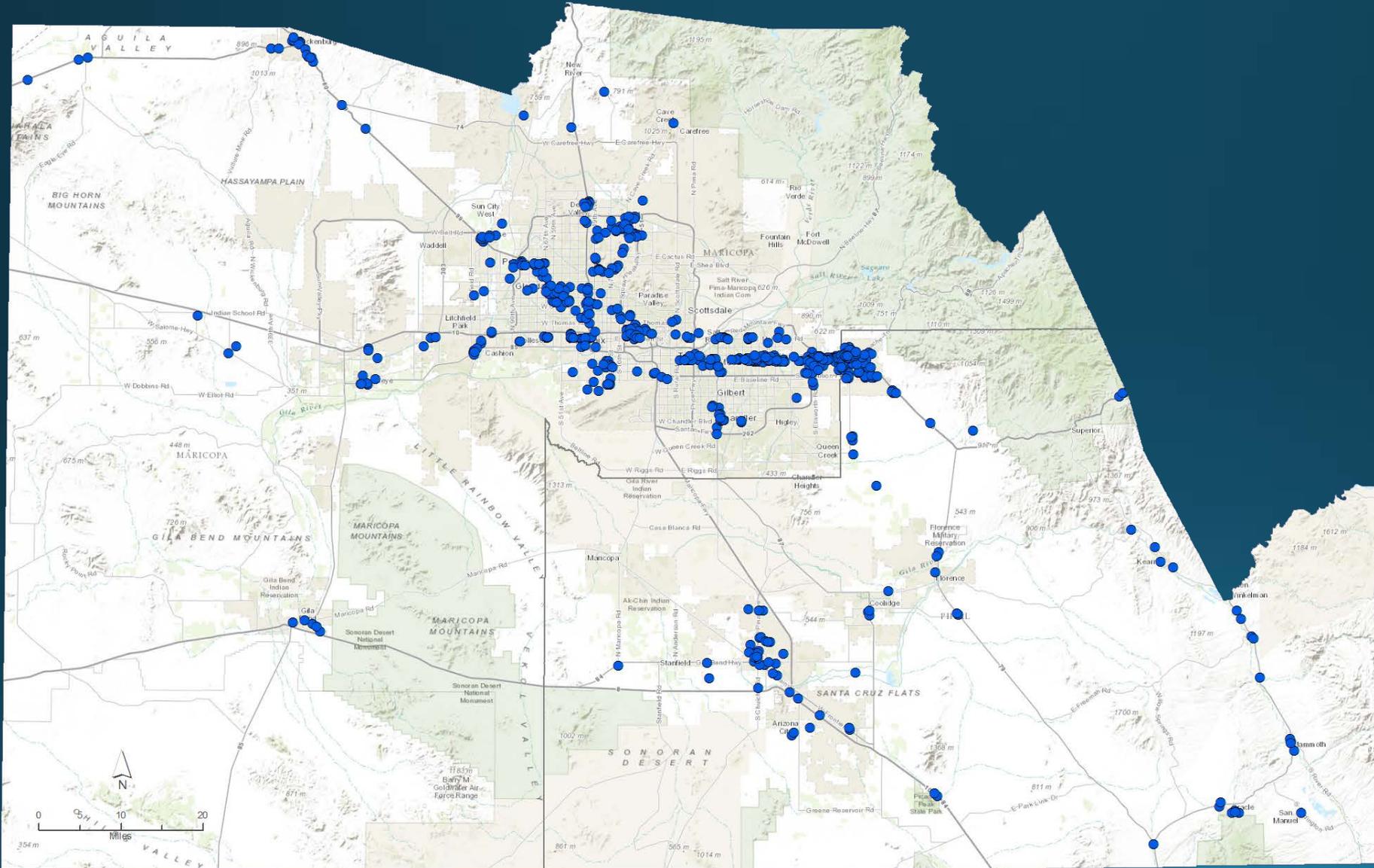
28 from Maricopa County
4 from Pinal County

87 Parks Added

All in Pinal County



Compiling the Dataset



2013 Parks Dataset
606 Total Parks

- 499 in Maricopa County
- 107 in Pinal County

2015 Parks Dataset
661 Total Parks

- 471 in Maricopa County
 - 28 parks removed
 - 0 parks added
- 190 in Pinal County
 - 4 parks removed
 - 87 parks added

The Survey Questions

Arizona RV and Mobile Home Park Survey Form

1. How many total spaces are there in the park?
Of the total spaces:

- How many of them are RV spaces?
- How many of them are mobile home spaces?

2. On January 1st, 2015:

How many of the total park spaces were occupied by a resident?

- Of those that were occupied:
 - How many were occupied by Full Time Arizona residents?
 - How many were occupied 2 weeks or less?
 - How many were occupied by seasonal residents?

3. On July 1st, 2015:

How many of the total park spaces were occupied by a resident?

- Of those that were occupied:
 - How many were occupied by Full Time Arizona residents?
 - How many were occupied 2 weeks or less?
 - How many were occupied by seasonal residents?

Done by phone, fax, email, or in person during field checks

Occupancy Data Collection Complications

- Surveys relied on the willingness of the staff and/or management to participate
 - For parks that refused to participate, an attempt was made to use aerial survey to identify the number of spaces
- Some parks were unreachable or unresponsive
 - Field checks
 - If still unreachable, attempts were made to count spaces in the field
 - If unable to count spaces, an attempt was made to use aerial survey to identify the number of spaces
 - Remaining parks were updated with the same space counts as the 2013 data from the original MAG dataset or using 2013 data from CAAG for parks that were not in the original dataset

New Attributes

Status Attribute

- Indicates the amount of information obtained from each park
 - Complete
 - Complete – partial information
 - Complete – not seasonal
 - Not seasonal
 - Not seasonal – partial information
 - Unreachable
 - Refusal

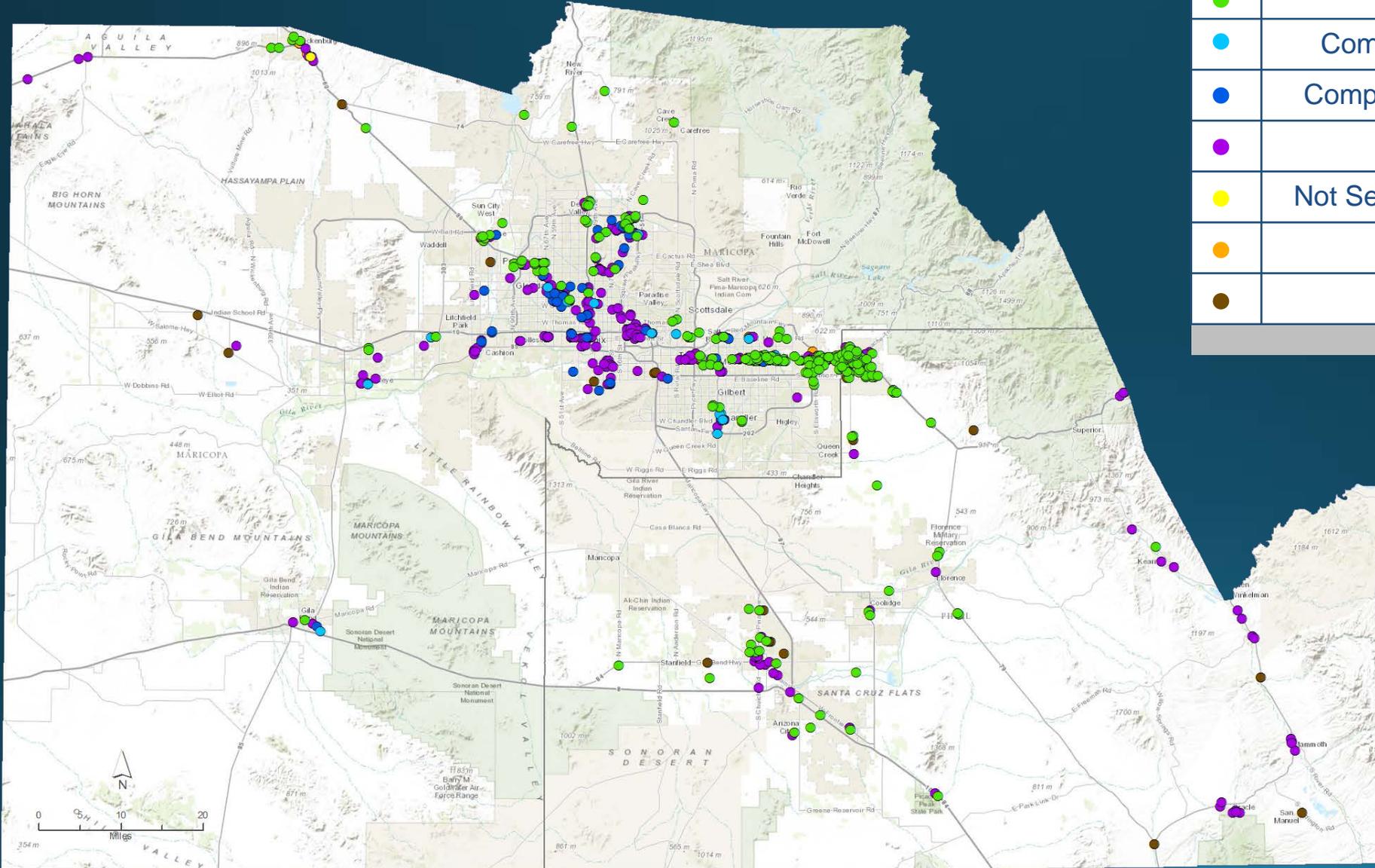
Source Attributes

- Status Source
 - Indicates the source of the information for the parks status
- Spaces Source
 - Indicates the source for the number of parks spaces
 - Park
 - Field check count
 - Aerial survey
 - 2013 Data
 - MAG dataset
 - CAAG 2013 data on parks in Pinal County in 2010

MAG ID Numbers

- Old MAG ID
 - All IDs started with “M”
 - Comments filed indicated a park was in Pinal County
- New MAG ID
 - All Maricopa County parks have a MAG ID that begins with “M”
 - All Pinal County parks have a MAG ID that begins with “P”

Status Attribute



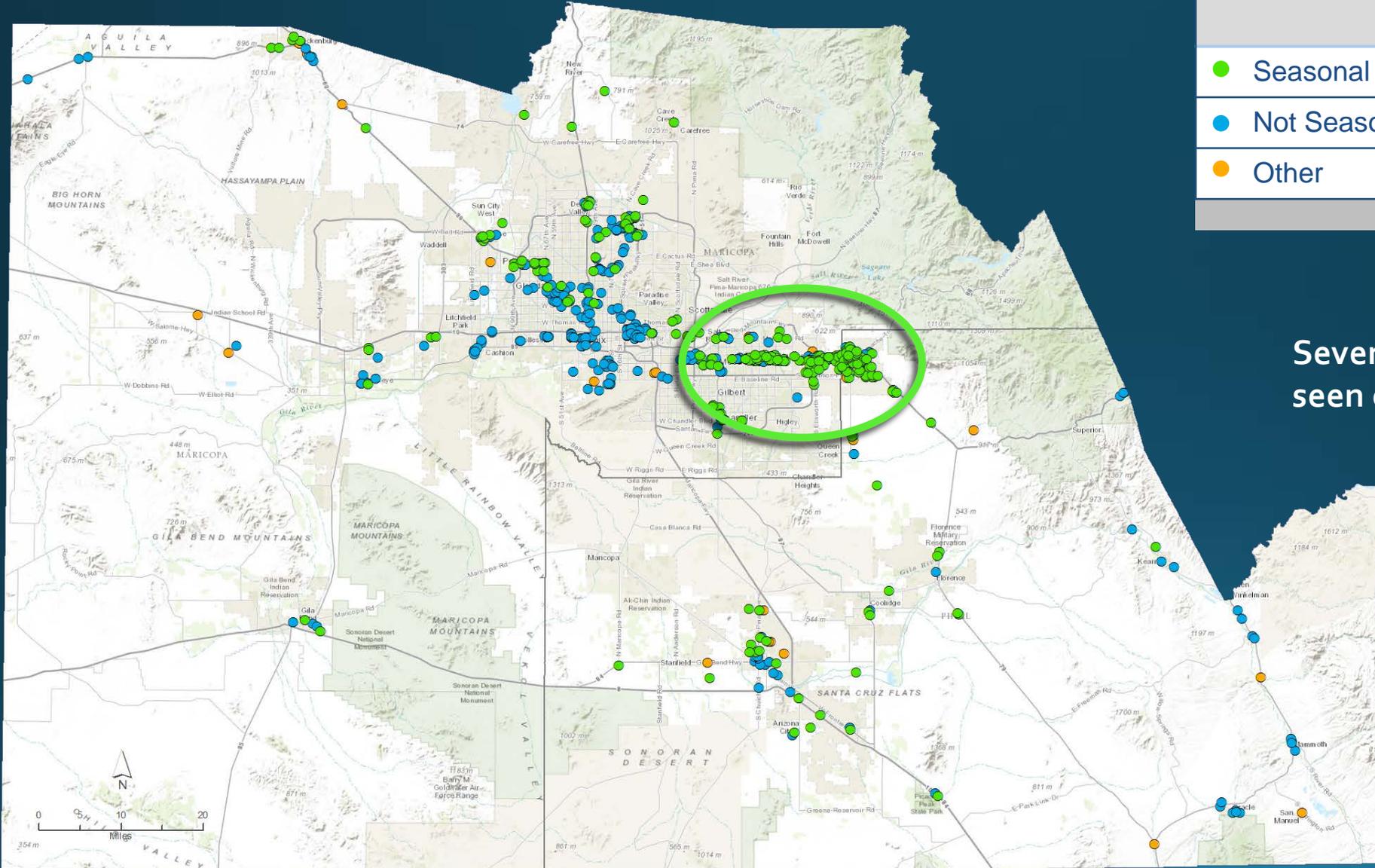
	Status	Number of Parks
●	Complete	245
●	Complete - Partial Info	24
●	Complete - Not Seasonal	42
●	Not Seasonal	305
●	Not Seasonal – Partial Info	1
●	Unreachable	10
●	Refusal	34
Total Parks		661

93 % Completed
(or determined not seasonal)

2 % Unreachable

5 % Refused

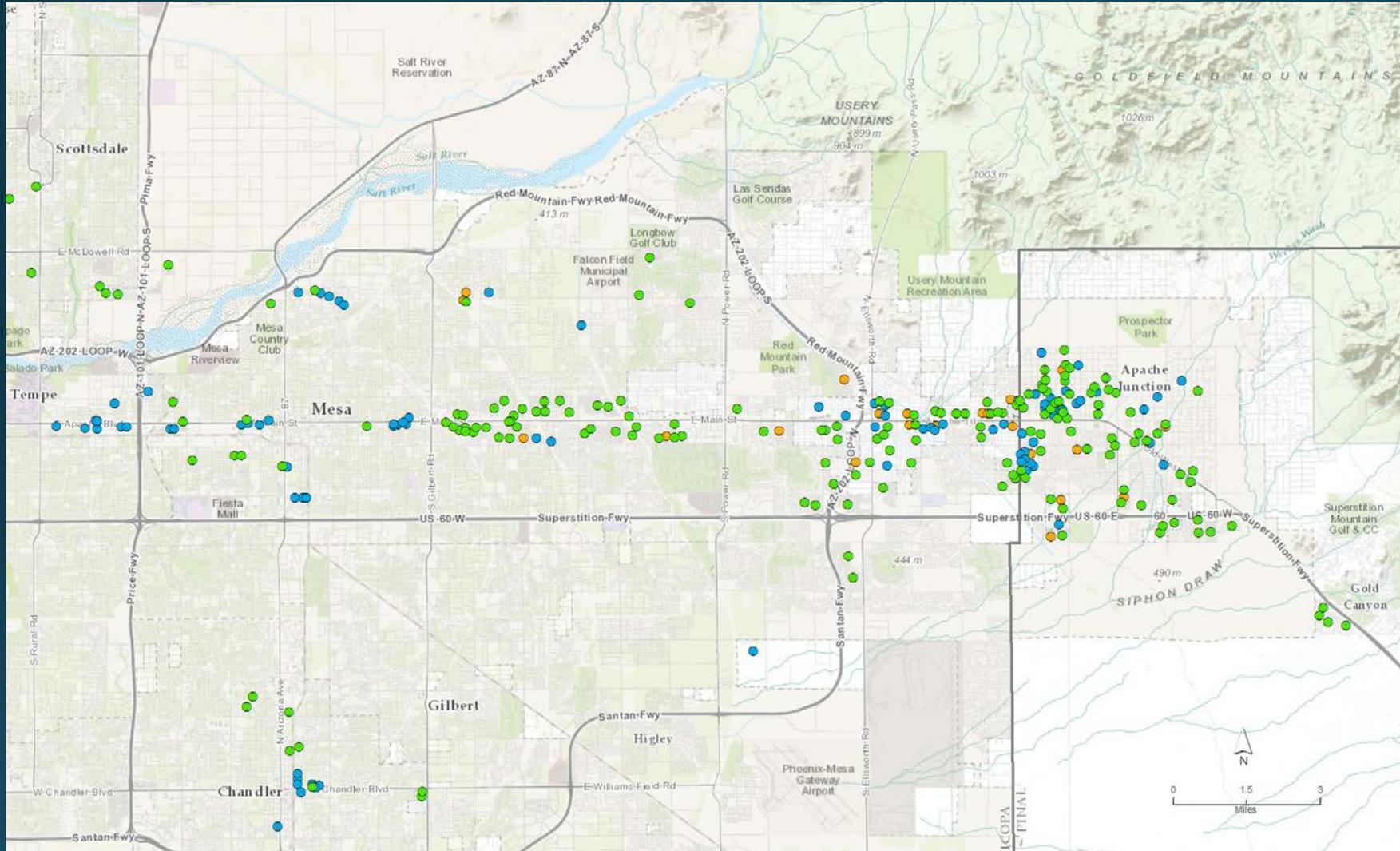
Seasonal Parks



	Number of Parks	% of Total
● Seasonal	269	40.7 %
● Not Seasonal	348	52.6 %
● Other	44	6.7 %
Total	661	100 %

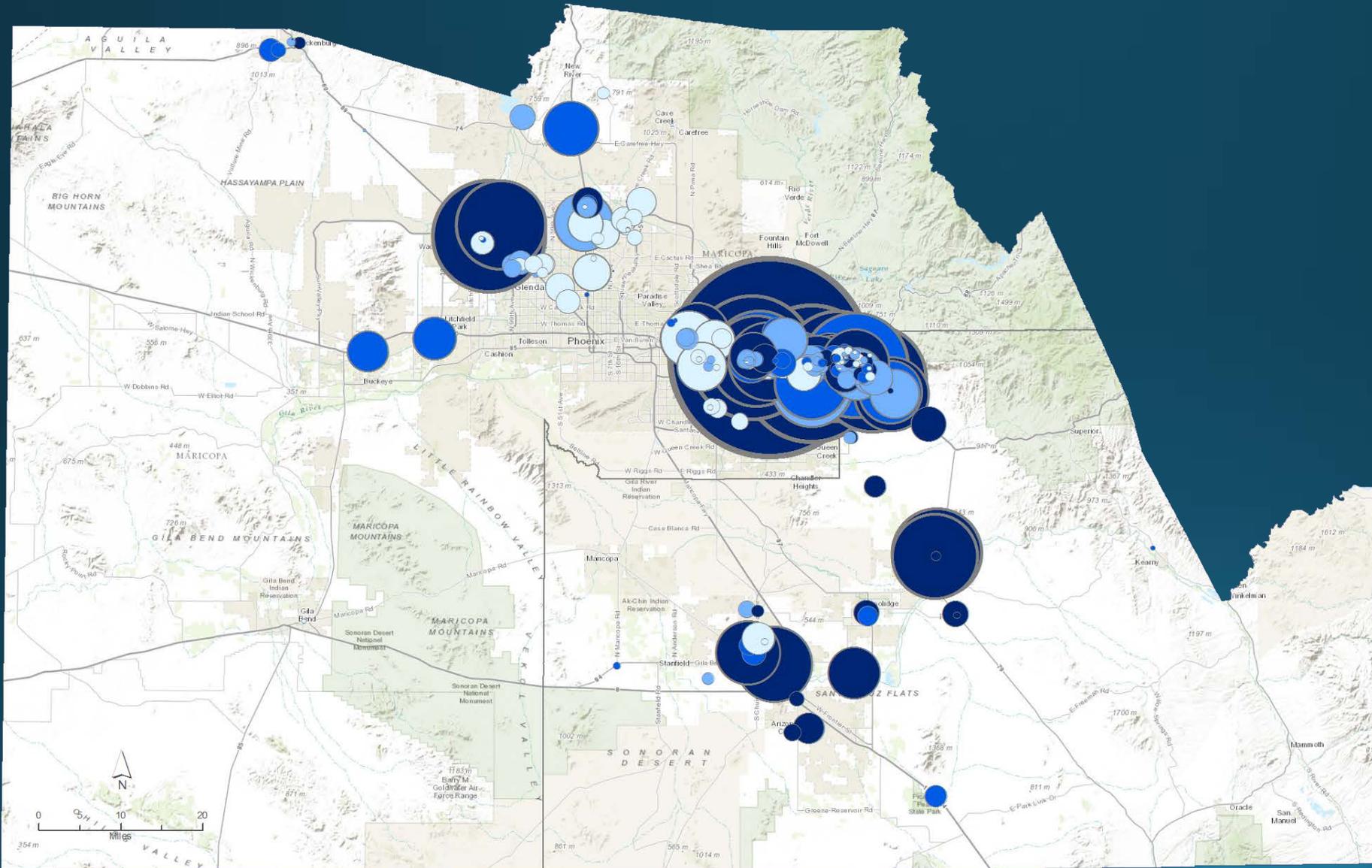
Several seasonal parks can be seen concentrated in this area

Seasonal Parks

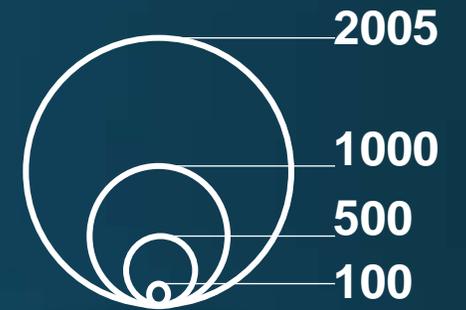


- Seasonal
- Not Seasonal
- Other

Seasonal Occupancy on January 1st, 2015



Total Residents



Seasonal Residents



Thank You

Questions or Comments?

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