

# MAG's Online Interactive Maps

MAG Planners Stakeholders Group

October 16, 2007





# Goals and Objectives

- **Provide MAG Population and Housing projections and 2000 Census data to the public**
  - Generate custom maps
  - Generate reports
  
- **Provide regional context for projected growth**
  - Provide for mapping of contextual variables (freeways, MPAs, employers)

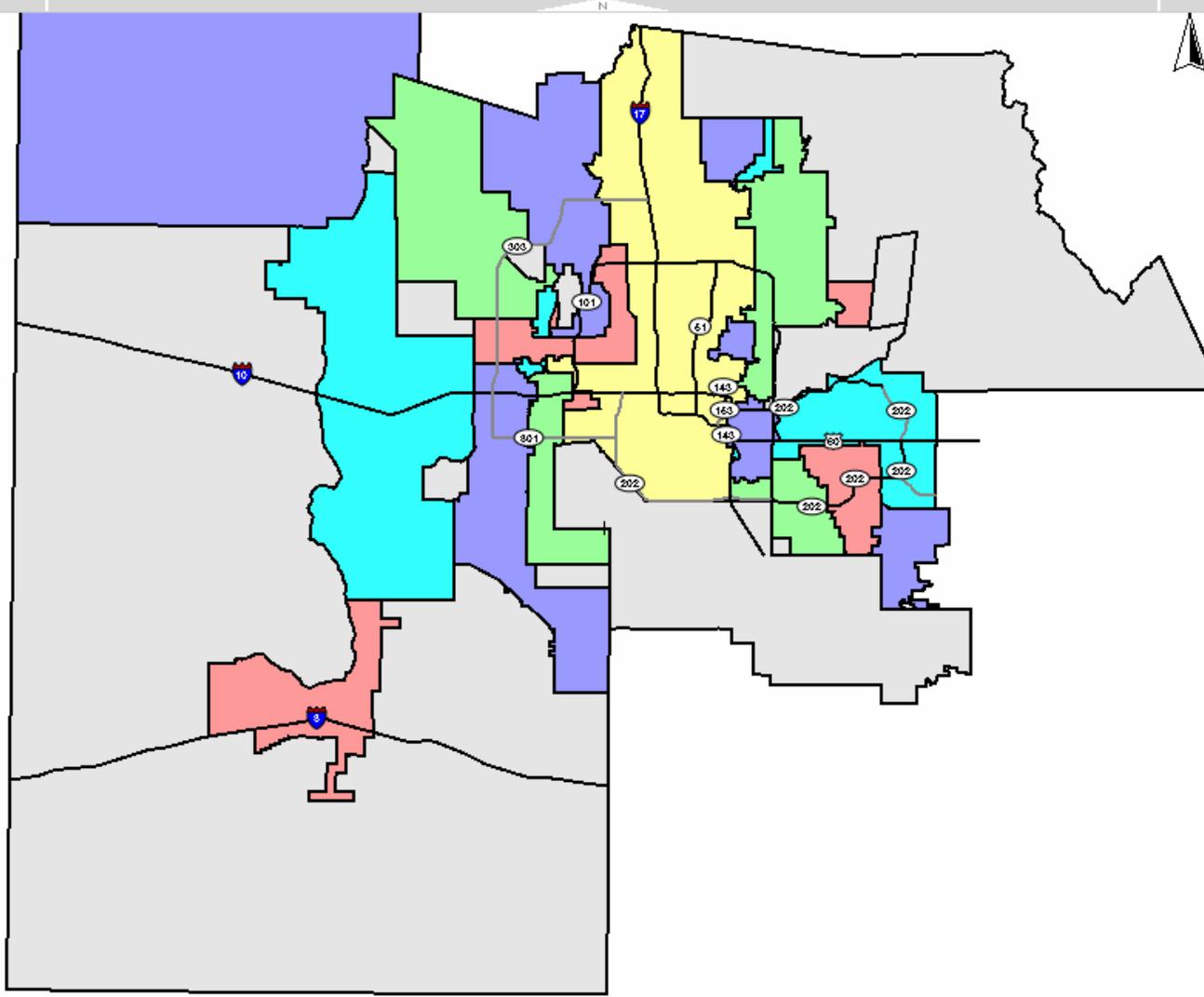


# Goals and Objectives

- **Facilitate the discovery of geographically specific socioeconomic information**
  - Zoom in to a specific area
  - Search for a particular RAZ
  - Generate report about an area based on a group of RAZs or Census Tracts



# Offline Demo



### Map Layers

- Roads
  - Freeways
  - Local Roads
  - Major Roads
- Census Boundaries
  - Census Tracts
- MAG Boundaries
  - Municipal Planning Areas - MPA
  - RAZ Boundaries
- Employment
  - Employment

Automatically Refresh Map

**Notes:**  
Please refer to the following for descriptions of the functions of the controls in the layer list above.

- Click folder to show or hide contents.
- Click to turn off all layers in the associated folder.
- Click the check box to turn layer on and off.
- If the check box is grayed out, the layer is not available at the current scale.
- This is the active layer.
- Click to make the layer be the active layer.
- This layer cannot be activated at the current scale.
- Click to zoom in to the closest scale at which this layer is available.

Copyright © 2005 - Maricopa Association of Governments

Map center: 33°14' N, 112°12' W

IMF 5.1 build 003

Scale: 1:1,031,214  Map Tool: Zoom In Active Layer: Census Tracts

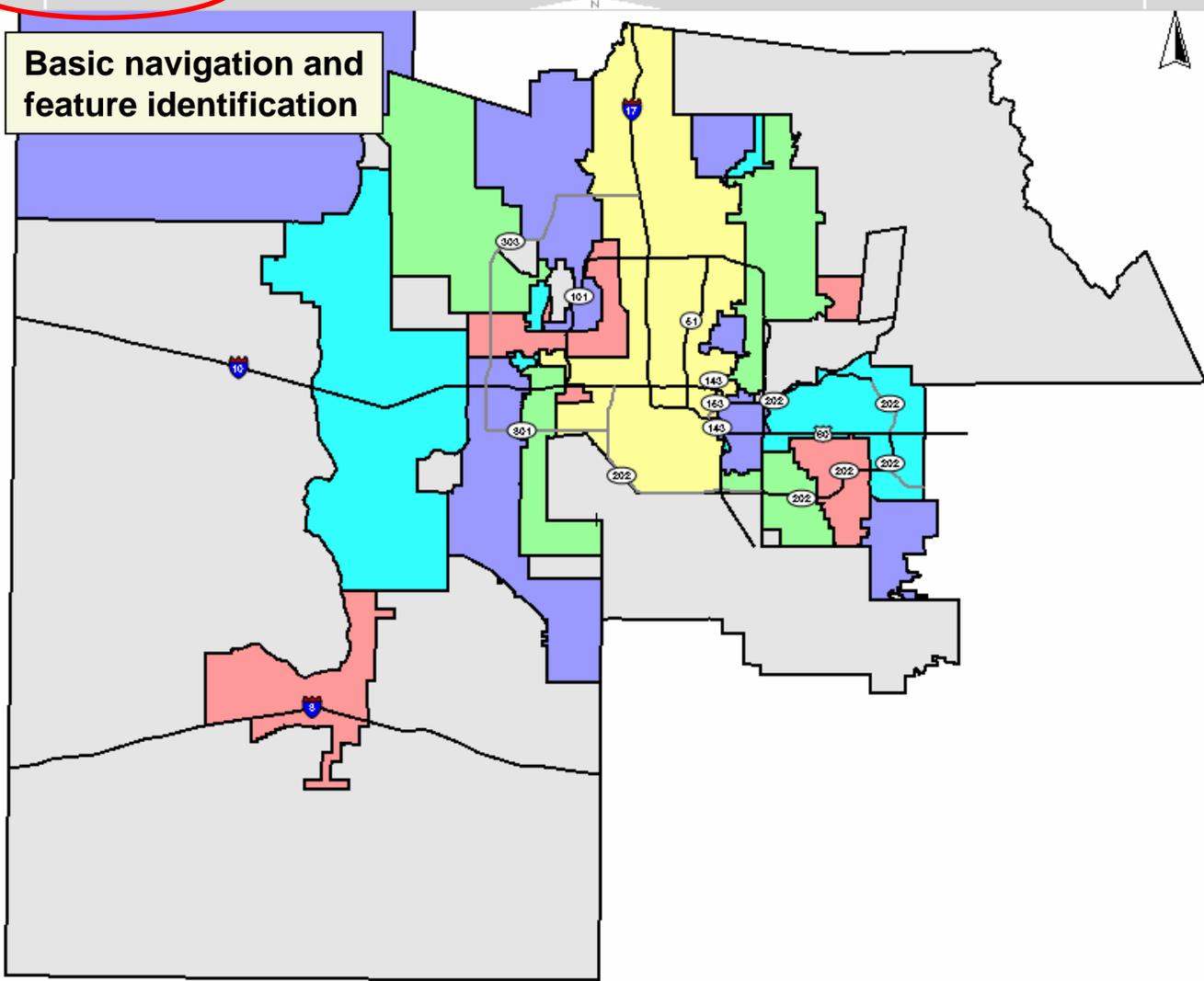
Powered by geocortex

Cursor Location: Transverse Mercator: 834026, 912044 Geographic: 33°30' N, 111°28' W

Internet



Basic navigation and feature identification



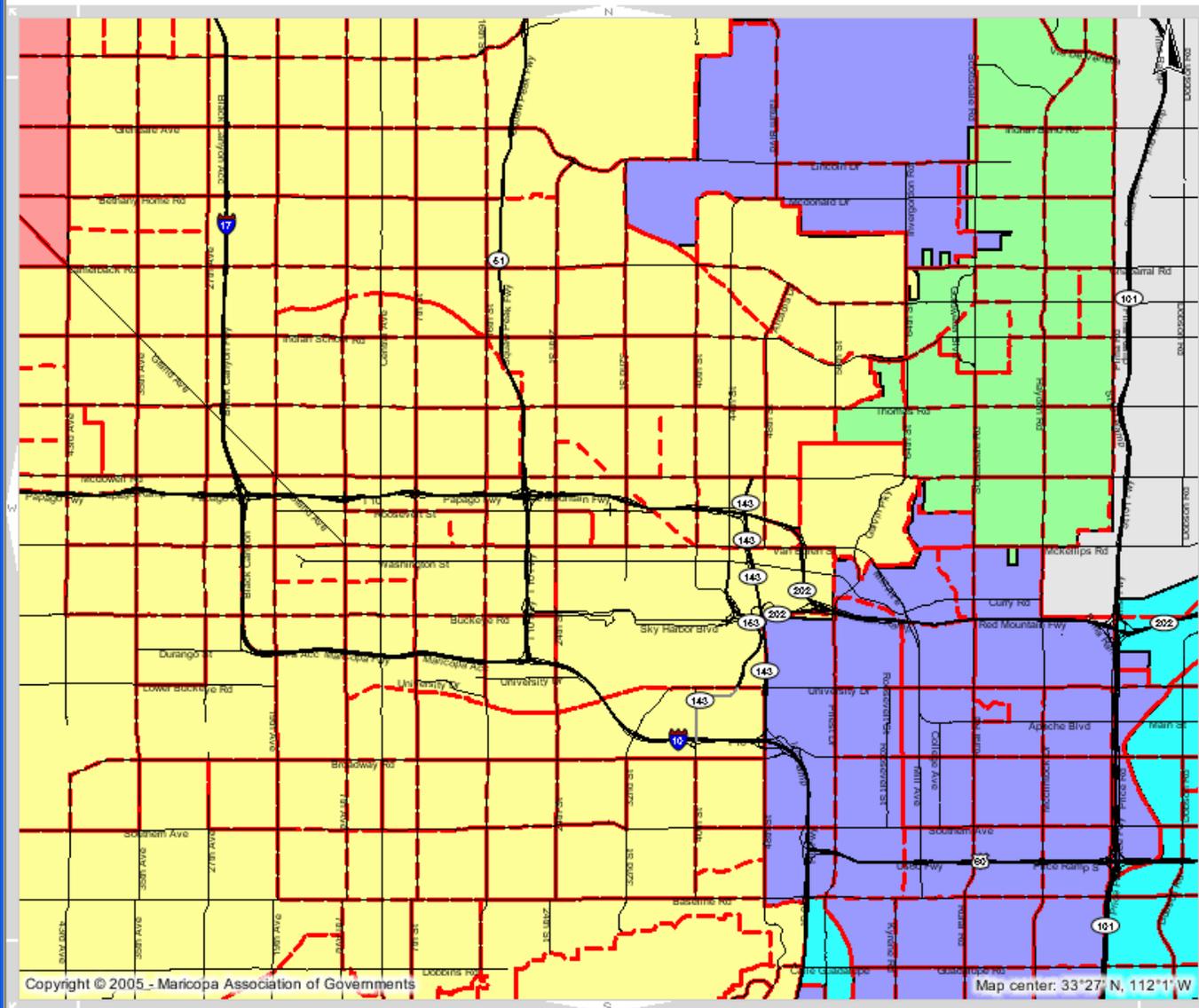
### Map Layers

- Roads
  - i** Freeways
  - i** Local Roads
  - i** Major Roads
- Census Boundaries
  - i** Census Tracts
- MAG Boundaries
  - i** Municipal Planning Areas - MPA
  - i** RAZ Boundaries
- Employment
  - i** Employment

Automatically Refresh Map

**Notes:**  
Please refer to the following for descriptions of the functions of the controls in the layer list above.

- Click folder to show or hide contents.
- Click to turn off all layers in the associated folder.
- Click the check box to turn layer on and off.
- If the check box is grayed out, the layer is not available at the current scale.
- i** This is the active layer.
- i** Click to make the layer be the active layer.
- i** This layer cannot be activated at the current scale.
- i** Click to zoom in to the closest scale at which this layer is available.



### Map Layers

- Roads
  - i** Freeways
  - i** Local Roads
  - i** Major Roads
- Census Boundaries
  - i** Census Tracts
- MAG Boundaries
  - i** Municipal Planning Areas - MPA
  - i** RAZ Boundaries
- Employment
  - i** Employment

Automatically Refresh Map

### Notes:

Please refer to the following for descriptions of the functions of the controls in the layer list above.

- Click folder to show or hide contents.
- Click to turn off all layers in the associated folder.
- Click the check box to turn layer on and off.
- If the check box is grayed out, the layer is not available at the current scale.
- i** This is the active layer.
- i** Click to make the layer be the active layer.
- i** This layer cannot be activated at the current scale.
- Click to change this layer's symbols.
- Click to zoom in to the closest scale at which this layer is available.

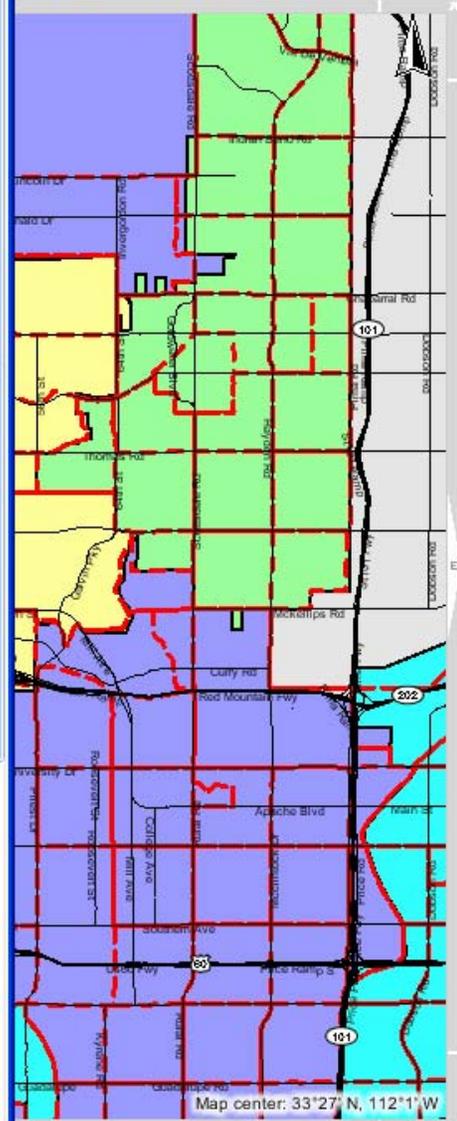
### Identify Results

#### Coordinate Position

Geographic: 33°27' N, 112°4' W

#### Census Tracts

Tract:	113100
Square Miles:	0.5
County:	013
Total Population:	2381
White Population:	1579
African American Population:	251
American Indian Population:	145
Asian Population:	58
Other Population:	348
Hispanic Population:	637
Population Less than 5 Years Old:	83
Population 5 to 9 Years Old:	79
Population 10 to 14 Years Old:	67
Population 15 to 17 Years Old:	54
Population 18 to 20 Years Old:	71
Population 21 to 44 Years Old:	993
Population 45 to 64 Years Old:	593
Population 65 to 74 Years Old:	248
Population 75 to 84 Years Old:	152
Population 85 Years and Over:	41
Median Age:	40.8
Total Housing Units:	1478
Occupied Housing Units:	1275
Vacant Housing Units:	203
Occupancy Rate:	0.86
Single Family Housing Units:	207
Multi-Family Housing Units:	1296
Mobile Home Housing Units:	0
Other Housing Units:	0
Owner Occupied Housing Units:	116
Renter Occupied Housing Units:	1182
Median Housing Unit Value:	98300
Median Gross Rent:	309
Households With No Vehicles:	670
Households With One Vehicle:	460
Households With Two Vehicles:	122
Households With Three Vehicles:	19
Households With Four Vehicles:	19
Households With Five or More Vehicles:	8



### Map Layers

- Roads
  - Freeways
  - Local Roads
  - Major Roads
- Census Boundaries
- Census Tracts
- MAG Boundaries
- Municipal Planning Areas - MPA
- RAZ Boundaries
- Employment

Automatically Refresh Map

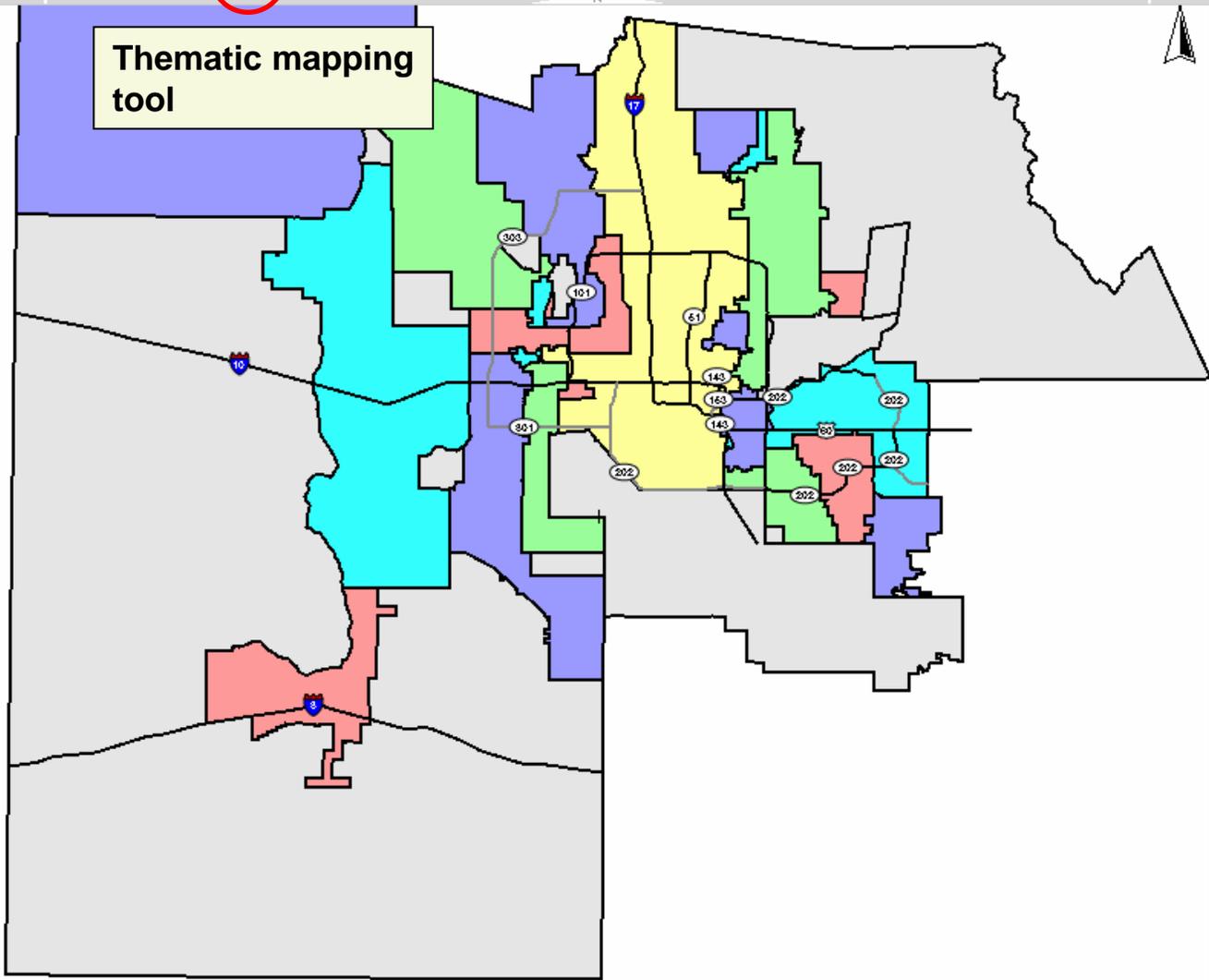
#### Notes:

Please refer to the following for descriptions of the functions of the controls in the layer list above.

- Click folder to show or hide contents.
- Click to turn off all layers in the associated folder.
- Click the check box to turn layer on and off.
- If the check box is grayed out, the layer is not available at the current scale.
- This is the active layer.
- Click to make the layer be the active layer.
- This layer cannot be activated at the current scale.
- Click to change this layer's symbols.
- Click to zoom in to the closest scale at which this layer is available.



Thematic mapping tool



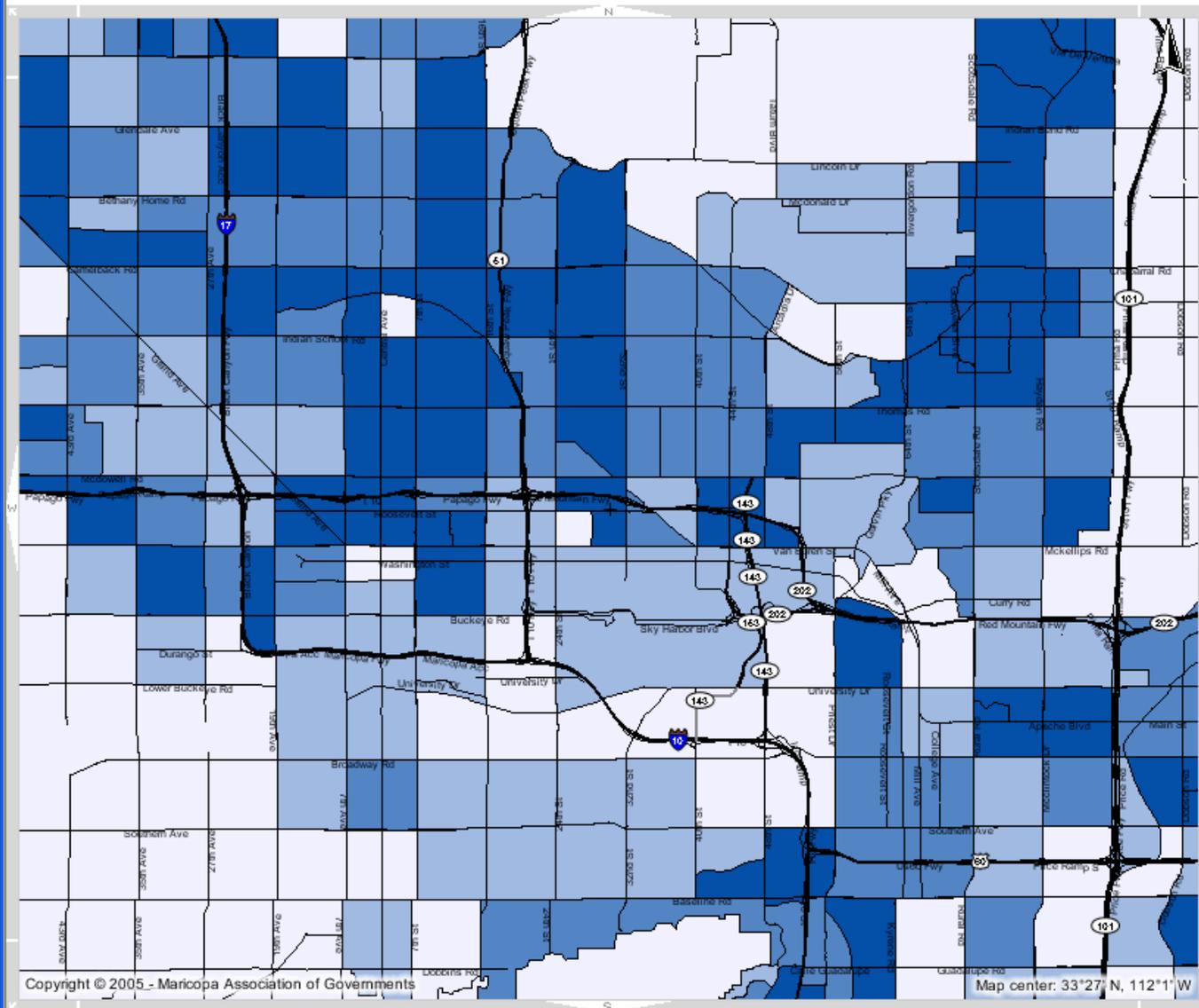
### Map Layers

- Roads
  - Freeways**
  - Local Roads**
  - Major Roads**
- Census Boundaries
  - Census Tracts**
- MAG Boundaries
  - Municipal Planning Areas - MPA**
  - RAZ Boundaries**
- Employment
  - Employment**

Automatically Refresh Map

**Notes:**  
Please refer to the following for descriptions of the functions of the controls in the layer list above.

- Click folder to show or hide contents.
- Click to turn off all layers in the associated folder.
- Click the check box to turn layer on and off.
- If the check box is grayed out, the layer is not available at the current scale.
- i** This is the active layer.
- i** Click to make the layer be the active layer.
- i** This layer cannot be activated at the current scale.
- +** Click to zoom in to the closest scale at which this layer is available.



### Map Legend

[Settings](#)

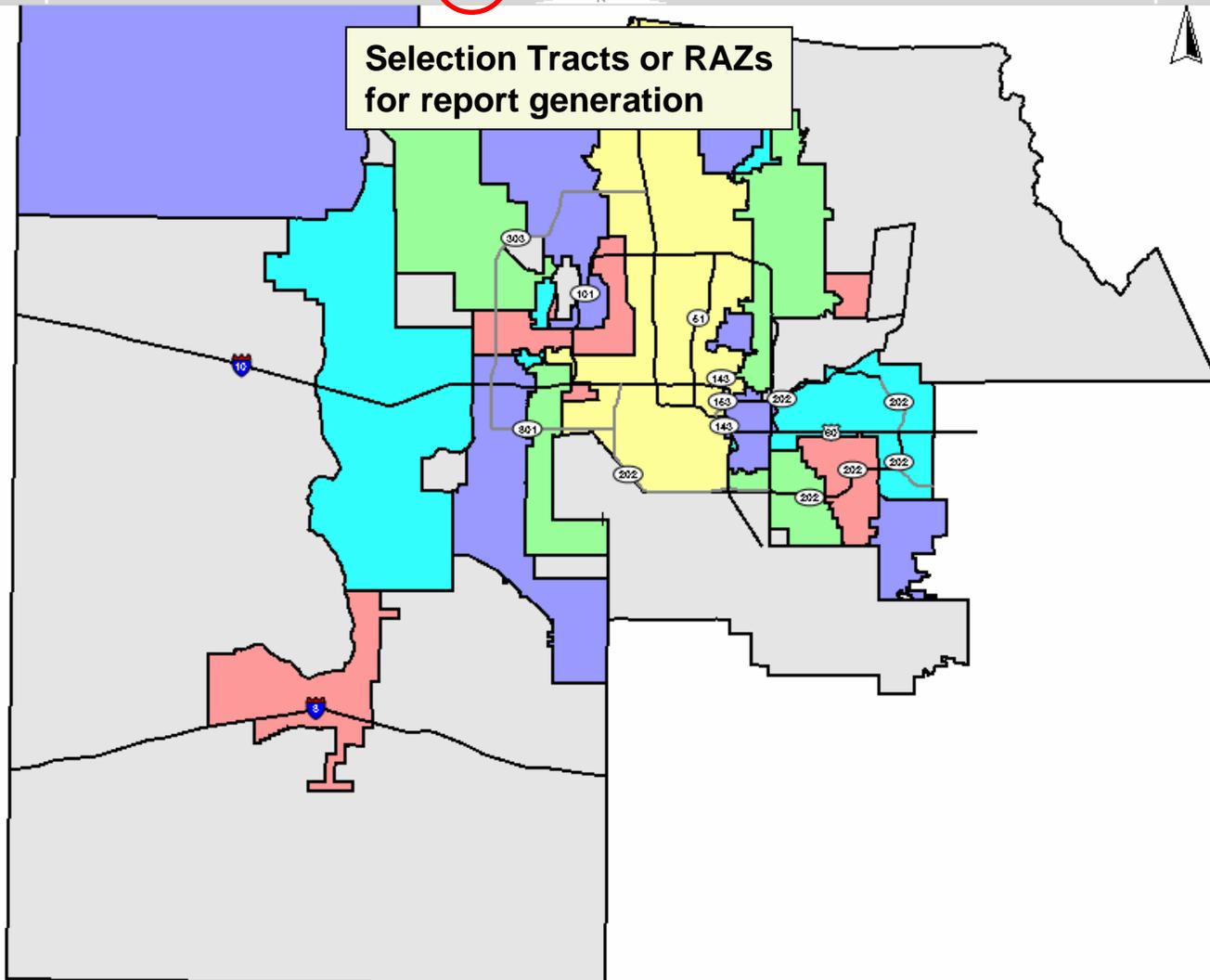
- Freeways**
  - Existing
  - Planned
  - Major Roads
- Census Tracts**
  - .00 - 33.33
  - 33.44 - 76.55
  - 77.00 - 169.00
  - 170.00 - 3071.00
- Municipal Planning Areas - MPA**
  - Gila River Indian Comm, Maricopa Co., Salt River Indian Comm, Tolleson
  - Buckeye, Carefree, El Mirage, Guadalupe, Litchfield Park, Mesa
  - Phoenix
  - Cave Creek, Goodyear, Paradise Valley, Peoria, Queen Creek, Tempe, Wickenburg
  - Avondale, Chandler, Scottsdale, Surprise
  - Fountain Hills, Gila Bend, Gilbert, Glendale, Youngtown

Copyright © 2005 - Maricopa Association of Governments

Map center: 33°27' N, 112°1' W



Selection Tracts or RAZs for report generation



### Map Layers

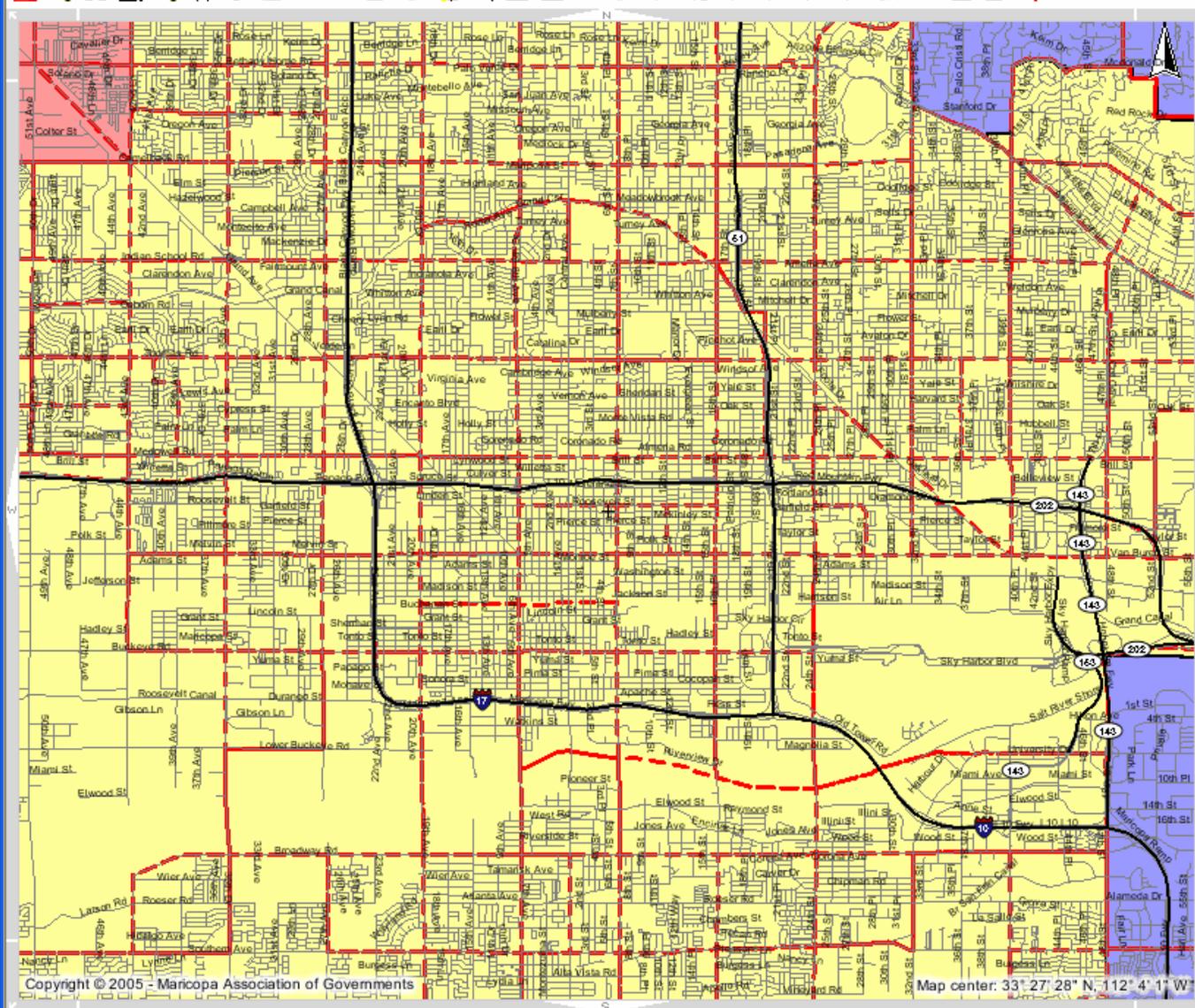
- Roads
  - Freeways
  - Local Roads
  - Major Roads
- Census Boundaries
  - Census Tracts
- MAG Boundaries
  - Municipal Planning Areas - MPA
  - RAZ Boundaries
- Employment
  - Employment

Automatically Refresh Map

#### Notes:

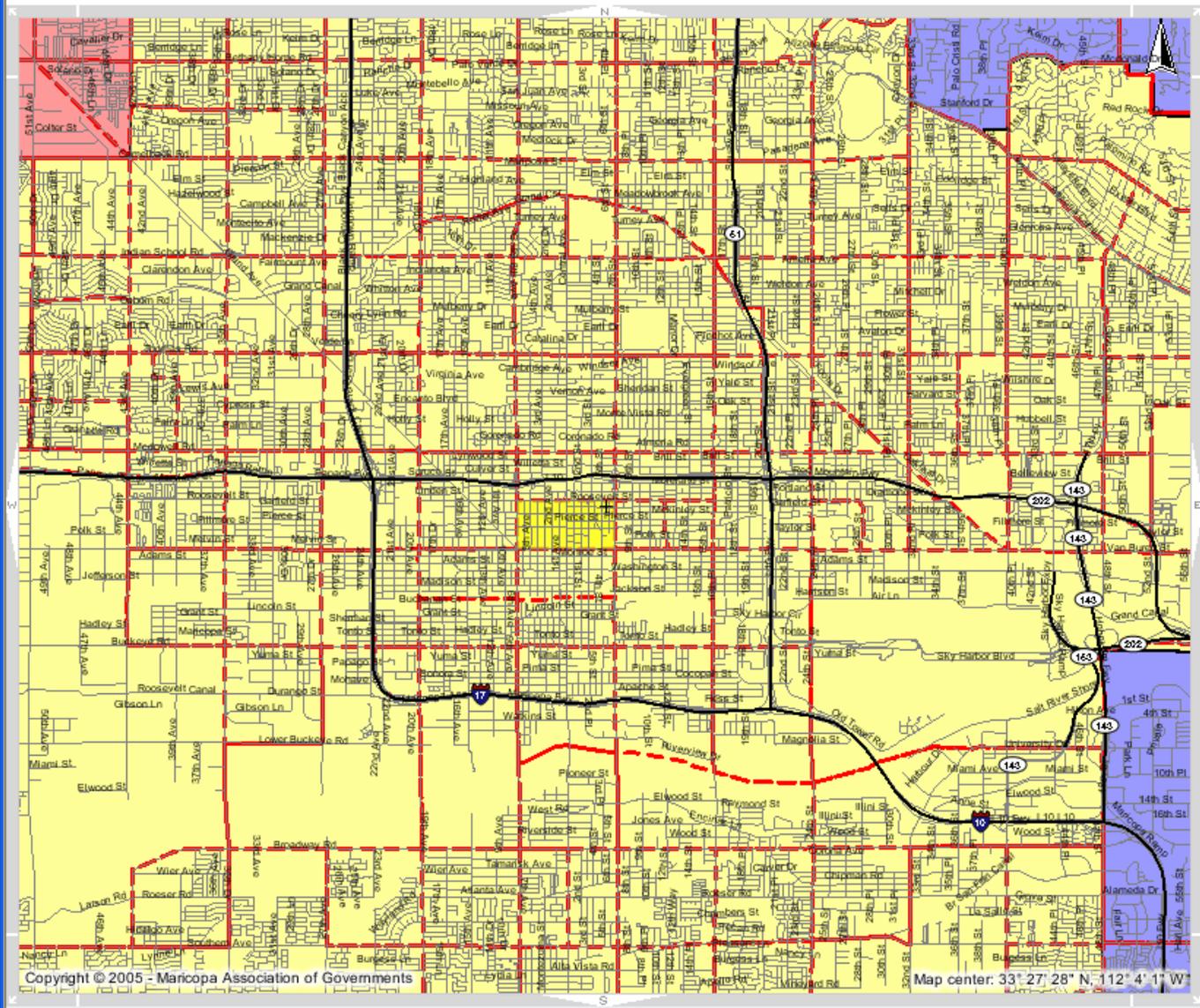
Please refer to the following for descriptions of the functions of the controls in the layer list above.

- Click folder to show or hide contents.
- Click to turn off all layers in the associated folder.
- Click the check box to turn layer on and off.
- If the check box is grayed out, the layer is not available at the current scale.
- This is the active layer.
- Click to make the layer be the active layer.
- This layer cannot be activated at the current scale.
- Click to zoom in to the closest scale at which this layer is available.



Selection Menu

- Select by point
- Select by line
- Select by box
- Select by polygon
- Clear selections



Selection Set HELP

- Layer:** Census Tracts
- Selection:** 1 features selected.
- Options:**
  - Tabular Report** Show a tabular report for the selected features.
  - Report** Show the default report for the selected features
  - Zoom to Extent** Zoom the map to the extent of the selected features.

This layer is defined as a selected set type of layer. You may use the selection tool to refine your selected set so that it contains the desired features before executing the reporting routines.

### Report Wizard

This report wizard will lead you through the steps to create precanned or custom reports.

#### Select a report:

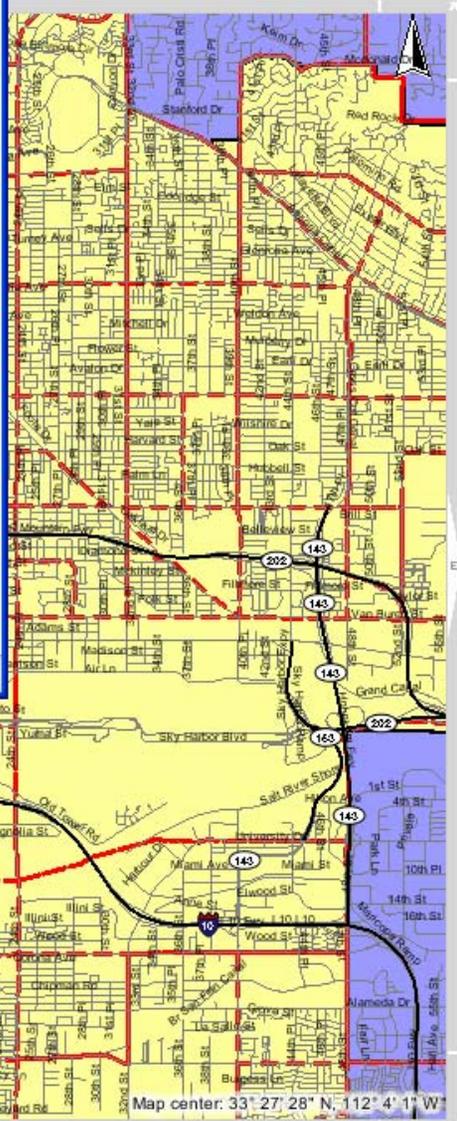
- Census Tracts Population Summary
- Census Tracts Population Summary**
- Census Tracts Housing Summary

State

#### Select a comparison:

ARIZONA

Close Submit



### Selection Set ?HELP

**Layer:**  
Census Tracts

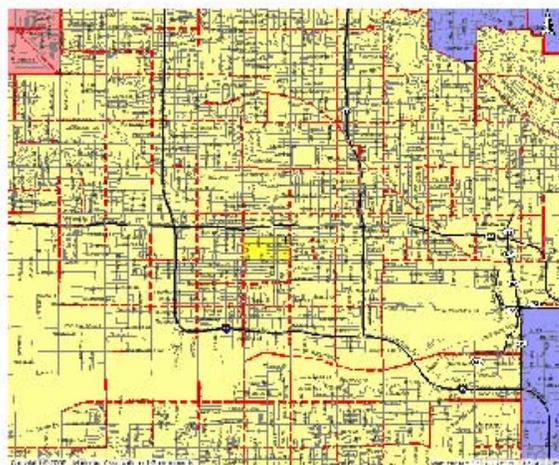
**Selection:**  
1 features selected.

#### Options:

- Tabular Report** Show a tabular report for the selected features.
- Report** Show the default report for the selected features
- Zoom to Extent** Zoom the map to the extent of the selected features.

This layer is defined as a selected set type of layer. You may use the selection tool to refine your selected set so that it contains the desired features before executing the reporting routines.

Census Tracts Population Summary Data



- Freeways
- Existing
- Planned
- Local Roads
- Census Tracts
- Municipal Planning Areas - MPA
  - Gila River Indian Comm. Maricopa Co., Salt River Indian Comm, Tolson
  - Buckeye, Chandler, El Mirage, Guadalupe, Lindfield Park, Mesa
  - Phoenix
  - Cave Creek, Goodyear, Paradise Valley, Peoria, Queen Creek, Tempe, Wickenburg
  - Avondale, Chandler, Scottsdale, Surprise
  - Fountain Hills, Gila Bend, Gilbert, Glendale, Youngtown

Population Summary

	Selected Area		PHOENIX Place	
	#	%	#	%
Total Population:	2,381		1,321,045	
White Population:	1,579	66.32%	938,853	71.07%
Black Population:	251	10.54%	67,416	5.10%
American Indian Population:	145	6.09%	26,696	2.02%
Asian Population:	58	2.44%	26,449	2.00%
Other Population:	348	14.62%	261,631	19.80%
Hispanic Population:	637	26.75%	449,972	34.06%

Population by Age Groups:

Population Less Than 5 Years Old:	83	3.49%	114,516	8.67%
Population 5 to 9 Years Old:	79	3.32%	111,367	8.43%
Population 10 to 14 Years Old:	67	2.81%	99,471	7.53%
Population 15 to 17 Years Old:	54	2.27%	57,081	4.32%
Population 18 to 20 Years Old:	71	2.98%	61,074	4.62%
Population 21 to 44 Years Old:	993	41.71%	522,066	39.52%
Population 45 to 64 Years Old:	593	24.91%	248,675	18.82%
Population 65 to 74 Years Old:	248	10.42%	58,309	4.41%
Population 75 to 84 Years Old:	152	6.38%	36,879	2.79%
Population 85 Years and Over:	41	1.72%	11,607	0.88%
Median Age:	40.8		30.7	

Household Income

Median Household Income:	\$ 14,938	\$ 41,207
--------------------------	-----------	-----------

Families

Families:	655	207,240
-----------	-----	---------

Selection Set ? HELP

Layer:  
Census Tracts

Selection:  
1 features selected.

Options:

- Tabular Report Show a tabular report for the selected features.
- Report Show the default report for the selected features
- Zoom to Extent Zoom the map to the extent of the selected features.

This layer is defined as a selected set type of layer. You may use the selection tool to refine your selected set so that it contains the desired features before executing the reporting routines.



**Query Builder** Close Window

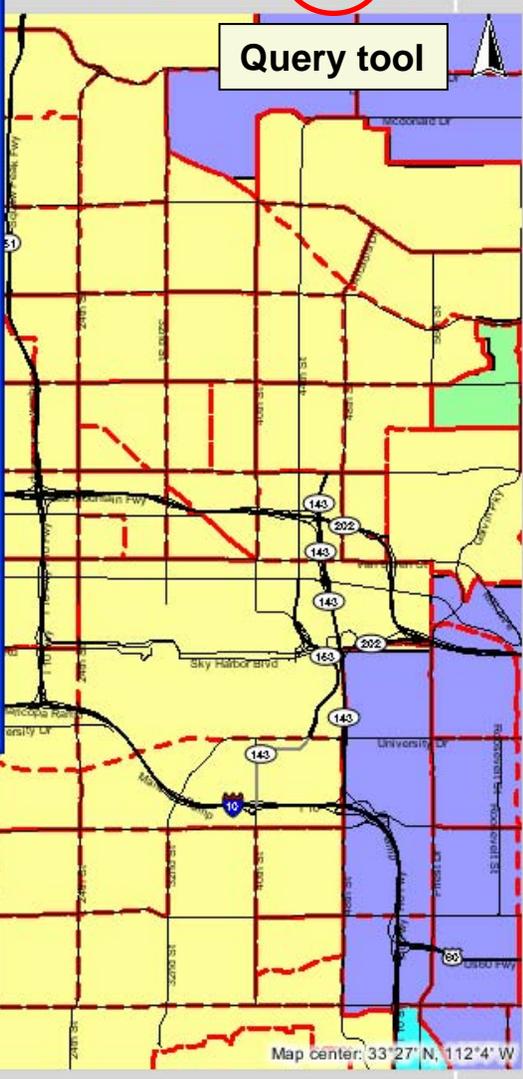
Find features from layer:

Within visible extent:

Having:  
 =

Case sensitive

Query:



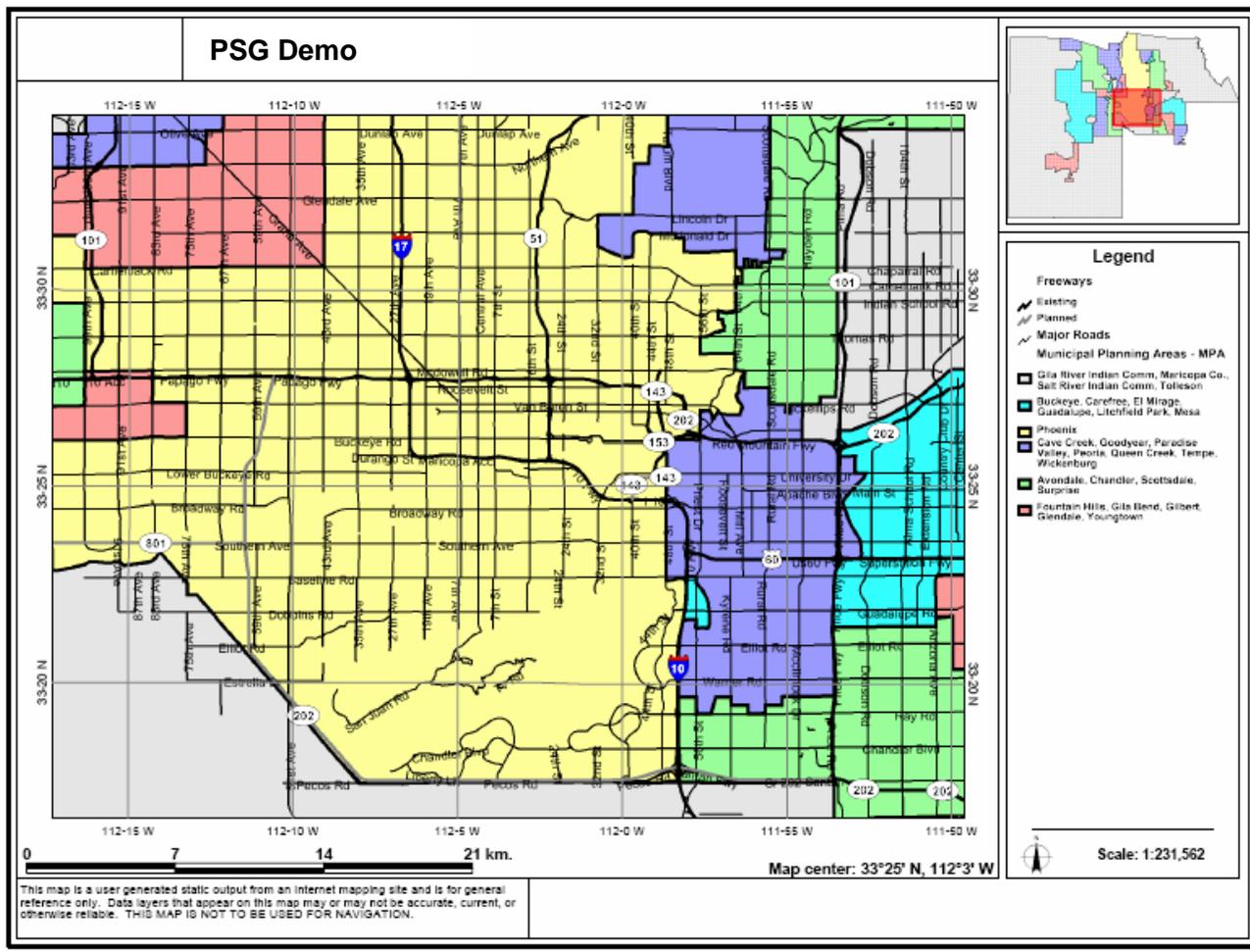
**Map Layers**

- Roads
- Freeways**
- Local Roads**
- Major Roads**
- Census Boundaries
- Census Tracts**
- MAG Boundaries
- Municipal Planning Areas - MPA**
- RAZ Boundaries
- Employment
- Employment

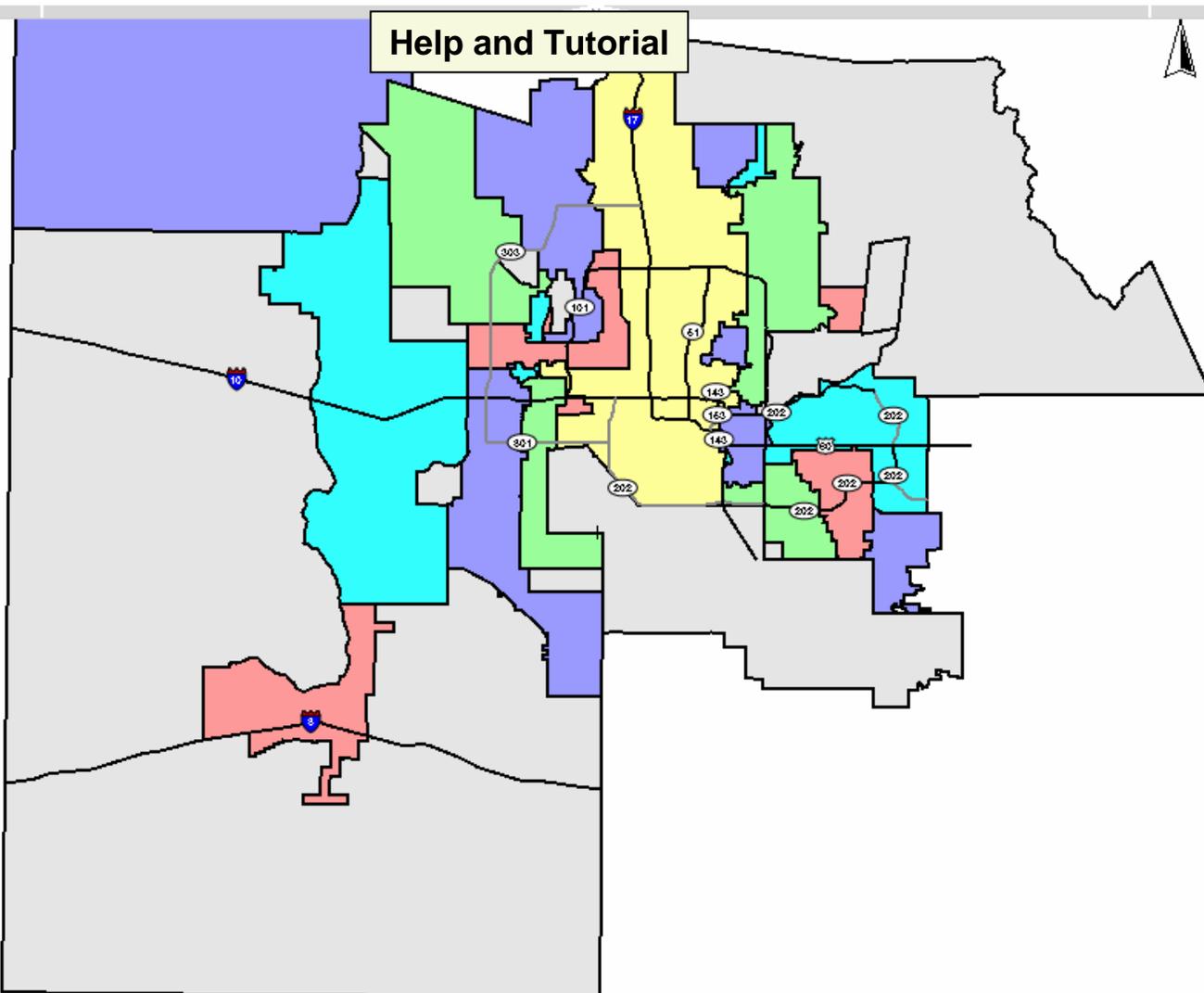
Automatically Refresh Map

- Notes:**
- Please refer to the following for descriptions of the functions of the controls in the layer list above.
  - Click folder to show or hide contents.
  - Click to turn off all layers in the associated folder.
  - Click the check box to turn layer on and off.
  - If the check box is grayed out, the layer is not available at the current scale.
  - This is the active layer.
  - Click to make the layer be the active layer.
  - This layer cannot be activated at the current scale.
  - Click to change this layer's symbols.
  - Click to zoom in to the closest scale at which this layer is available.

Pages



Comments Attachments



### Map Layers

- Roads
  - Freeways
  - Local Roads
  - Major Roads
- Census Boundaries
  - Census Tracts
- MAG Boundaries
  - Municipal Planning Areas - MPA
  - RAZ Boundaries
- Employment
  - Employment

Automatically Refresh Map

**Notes:**  
Please refer to the following for descriptions of the functions of the controls in the layer list above.

- Click folder to show or hide contents.
- Click to turn off all layers in the associated folder.
- Click the check box to turn layer on and off.
- If the check box is grayed out, the layer is not available at the current scale.
- This is the active layer.
- Click to make the layer be the active layer.
- This layer cannot be activated at the current scale.
- Click to zoom in to the closest scale at which this layer is available.





# Thank You

**Website URL:**

**<http://magims.mag.maricopa.gov>**

**Jason Howard**

**(602) 452-5078**

**[jhoward@mag.maricopa.gov](mailto:jhoward@mag.maricopa.gov)**