

# Increasing Collaboration through GIS for Local Governments in Southern California

**SCAG GIS Services**

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# Outline

- SCAG Introduction
- Program Background
- Implementation
- Key findings
- Lessons learned
- Future goals



# SCAG Region Quick Facts

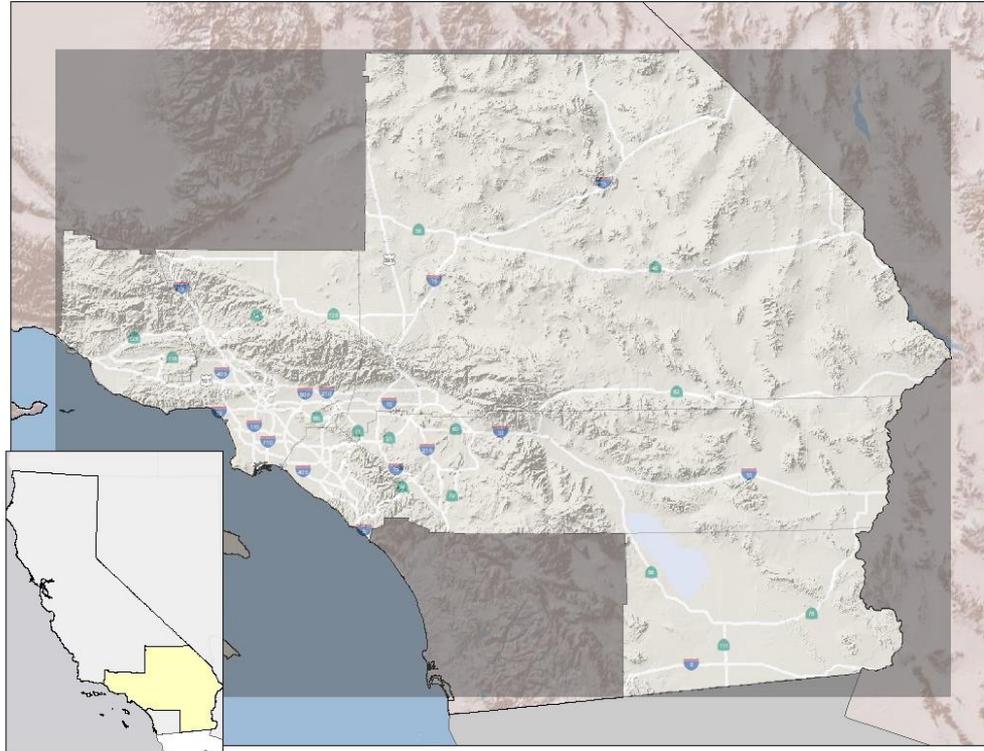
- Nation's largest Metropolitan Planning Organization (MPO) and Council of Governments (COG)
- 6 counties, 191 cities and over 19 million residents
- Governed by a Regional Council of 84 local elected officials
- 15th largest economy in the world
- 10,000 lane miles of freeway
- 4 major airports
- Nation's global gateway for trade
- Over 38,000 square miles

# SCAG Region

Most socially  
& culturally  
diverse region  
in the world



19 million people now...  
24 million by 2035



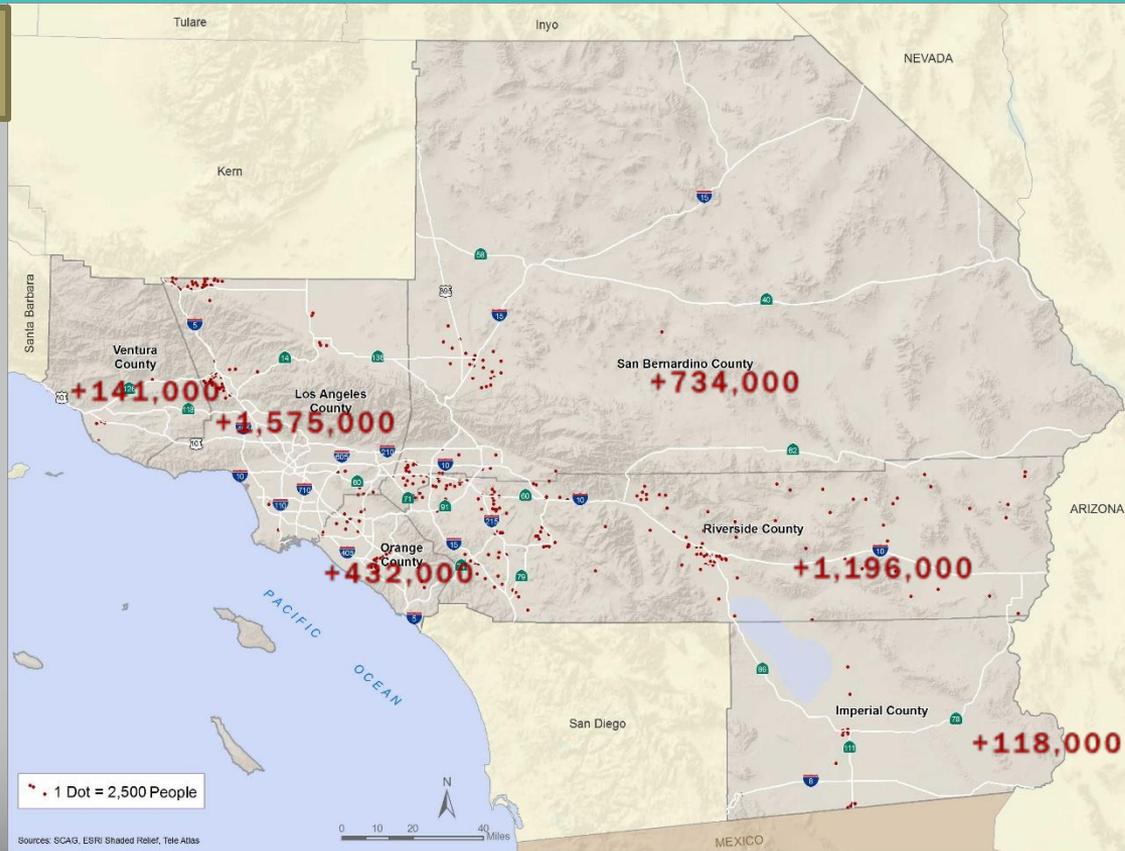
15<sup>th</sup> largest  
economy  
in the world



Shares the  
characteristics of  
many nations

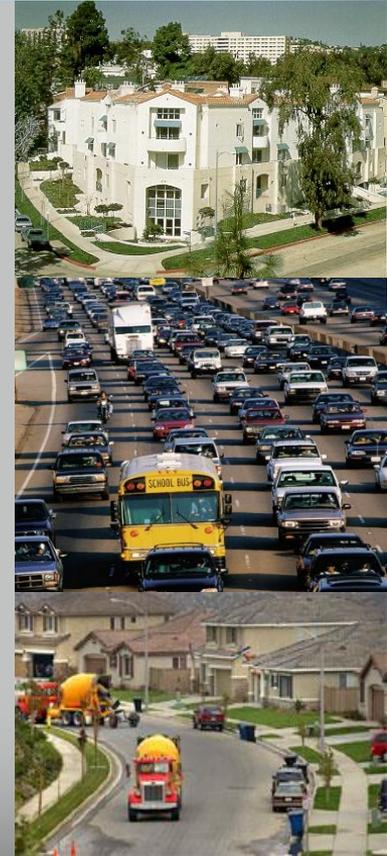
# Population Growth by County

4.2 Million New Residents by 2035



# Program Background

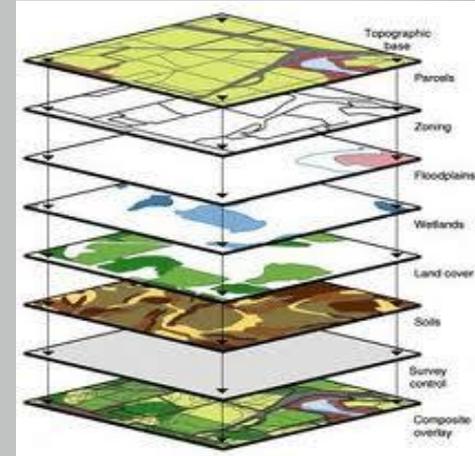
- SB 375
  - Integrate transportation planning with land use
  - Provide the most updated and current land use info to local jurisdictions
- Local Input for the RTP/SCS development
  - Socioeconomic data and forecast info
  - Review and update GIS data on existing land use , general plan, & zoning



# Challenge/Solution

Lack of GIS capability to share information in standardized form

Building GIS capability at local level, to promote communication & collaboration with GIS



# Program Objective

- Collect Land Use information
- Improve local and regional planning processes
- Assist SCAG RTP/SCS local implementation process
- Use GIS technology to promote
  - Data sharing
  - Data updating
  - Data standardization

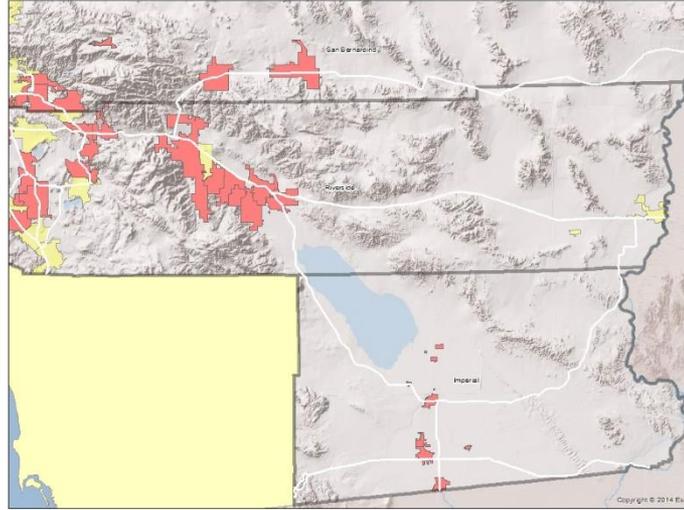
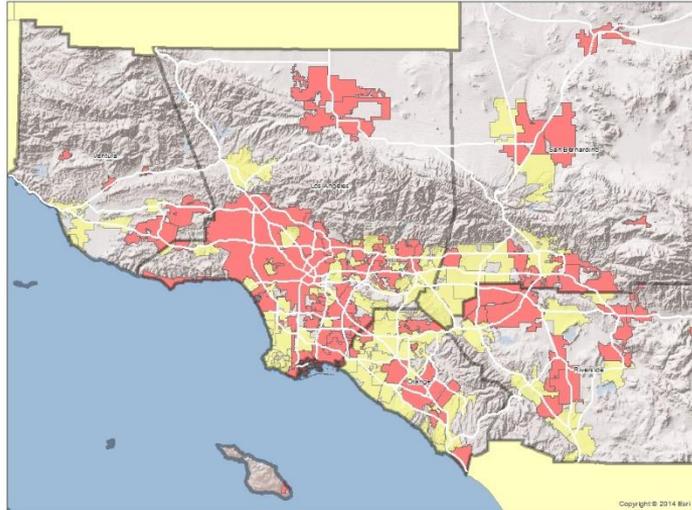


# Participants Goals

- Improve daily planning activities
- Provide visualized tools for better decision-making
- Maintain and update city data/information more effectively
- Reduce city expenses
- Others ...

# Program Implementation

- The program began in February 2010
- Free to SCAG member agencies
- 106 local jurisdictions are participating



# Program Implementation

- Build on working with jurisdictions closely
- One-on-one meeting with each participant (at their location)
- Provide meeting summaries
- Accomplish through customized work plans
- Continuous communication and site visits as needed

# Where are the participating Jurisdictions

County	Participating Jurisdictions	Total Jurisdictions	Participation % By County	Total %
Imperial	<b>8</b>	8	<b>100%</b>	8%
Los Angeles	<b>47</b>	89	<b>53%</b>	44%
Orange	<b>11</b>	35	<b>31%</b>	10%
Riverside	<b>18</b>	29	<b>62%</b>	17%
San Bernardino	<b>17</b>	25	<b>68%</b>	16%
Ventura	<b>5</b>	11	<b>45%</b>	5%
<b>Total</b>	<b>106</b>	<b>197</b>	<b>54%</b>	<b>100%</b>

# SCAG GIS Services Provided

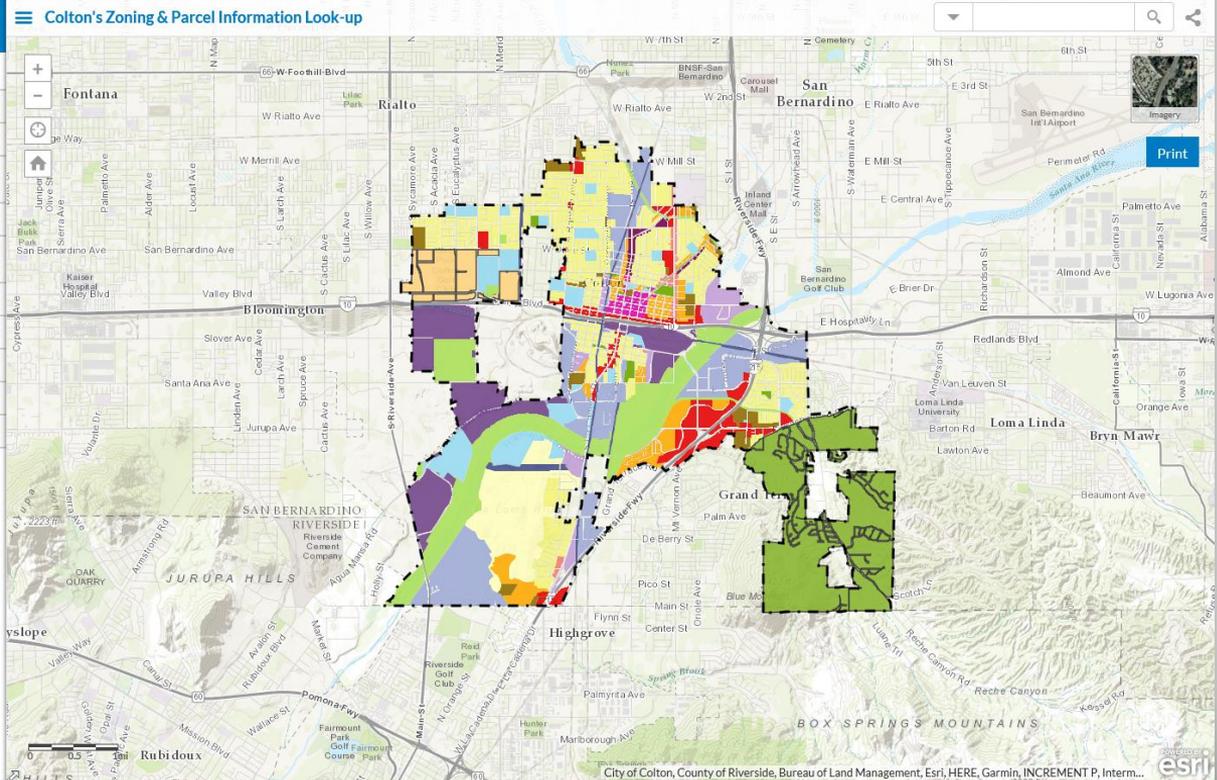
Service Types	Number	Percent
GIS Trainings	127	36%
Data/Map Support	61	17%
Desktop/Web Application	24	7%
On-site visits	98	12%
GIS Rollout	41	28%
<b>Total</b>	<b>351</b>	<b>100%</b>

# GIS Services Provided

- Provide entry level, intermediate, and advanced GIS training to over 1,000 participants at different local facilities.
- Provide desktop viewers and simple web-based GIS maps
- Convert local data and integrate them into GIS applications
- Provide GIS support as needed (onsite & offsite)
- Assist jurisdictions with purchase of GIS software and hardware



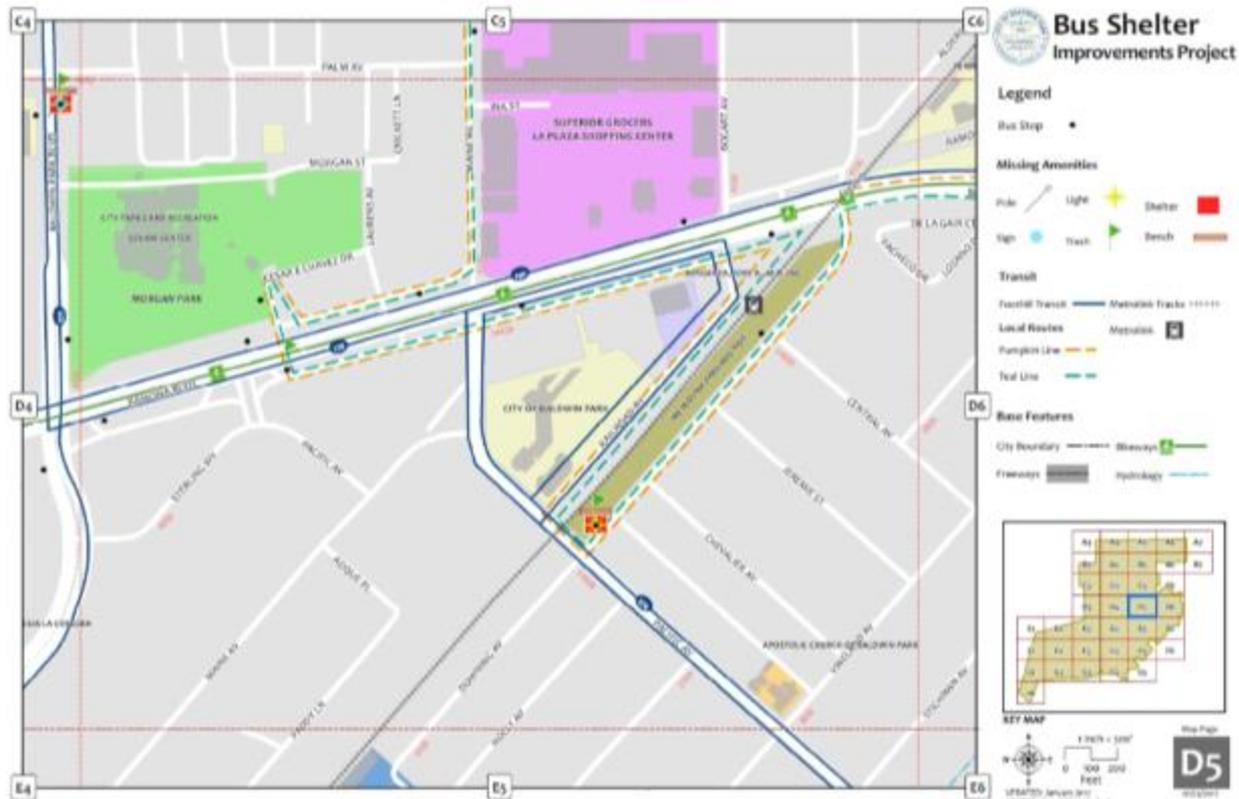
- Layers**
- Reche Canyon Specific Plan Land Use
  - Reche Canyon Specific Plan Boundary
  - Hub City Centre Specific Plan Land Use
  - Hub City Centre Boundary
  - SDA - Sensitive Development Area Overlay
  - R-O - Residential Overlay
  - C-2/D - Downtown Overlay
  - City Boundary
  - Parcels
  - Zoning



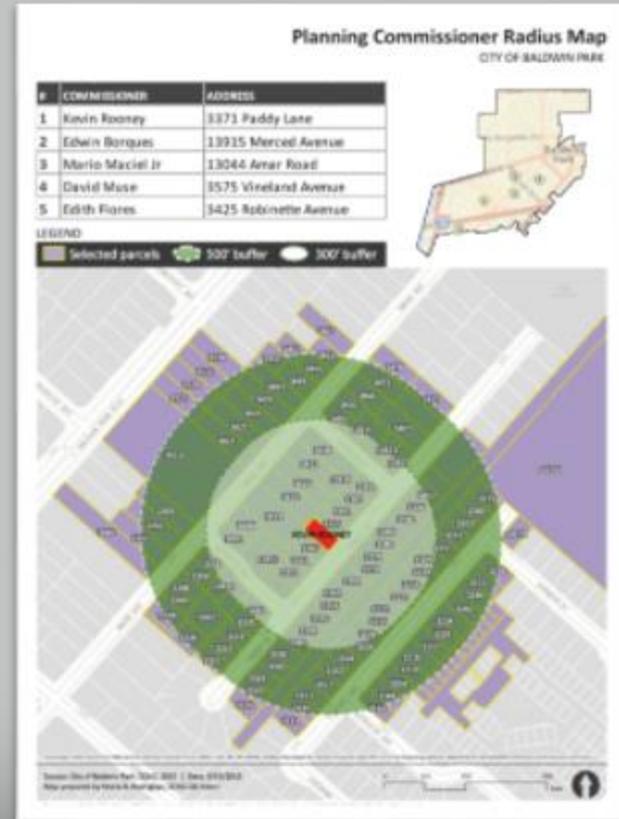
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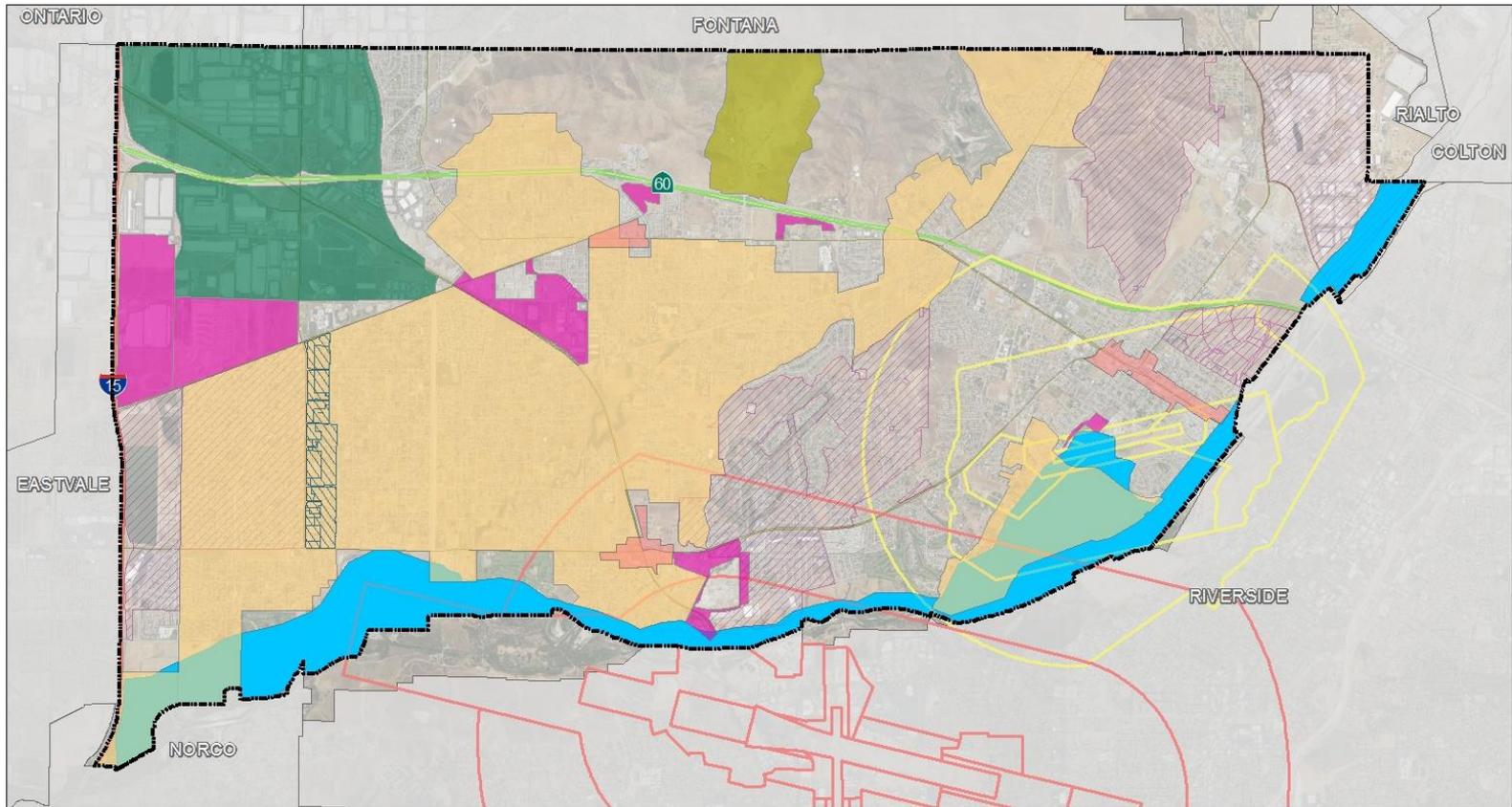
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- Assist the Planning Department with **radius maps**





Jurupa Valley Planning Department

- |  |  |                     |                               |
|--|--|---------------------|-------------------------------|
| Business Park Overlay (BPO)            | Mira Loma Warehousing and Distribution Overlay (MLO) | Flabob              | Specific Plan                 |
| Santa Ana River Corridor Overlay (SAO) | Stringfellow Reclamation Area Overlay (SRO)          | Riverside Municipal | Community Development Overlay |
| Equestrian Lifestyle Overlay (ELO)     | Village Center Overlay (VCO)                         |                     |                               |

SOURCE: Bing Aerial, 2015; Riverside County 7/2015



E:\GIS\mxd\LU\_Overlays\LUO\verjays\_092016\_AN.mxd (1/24/2017)

Jurupa Valley 2017 General Plan  
Figure  
Land Use Overlay



# Enhancing GIS Accessibility for Local Governments in Southern California

## Topics: Key Findings

- Successful beginning
- SCAG acts as a Role of facilitator
- Does the Program take over GIS consultants' jobs?
- Need educational GIS workshop with City experience
- Collaboration:
  - Internal SCAG
  - Internal City
  - Between SCAG and City

# Enhancing GIS Accessibility for Local Governments in Southern California

## Topics: Lessons Learned

- Improve communication channels
  - SCAG vs. Cities
  - City in different departments
- Balance SCAG resources with GIS services committed



# Questions

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