

# Utah GIS Apps



**Matt Peters, AGRC**  
**Bert Granberg, WERC**

# AGRC Apps: Web Services Status Page (Netlify)



**UTAH AGRC**  
Automated Geographic Reference Center

[News](#) [Data](#) [Developer](#) [About](#) [Status](#)

discover

✓ Up and running

SDE

✓ Up and running

license manager

✓ Up and running

gis.utah.gov

✓ Up and running

web api

✓ Up and running

mapserv

✓ Up and running



16 days since last incident

# AGRC Apps: Geocoding and Spatial Query API



ENDPOINTS

Geocoding

Searching

SGID Information

RESOURCES

Console

Register

HELP

Getting Started Guide

Sample Usage

Report an Issue

Privacy Policy

ABOUT

1.9.3.0

© AGRC 2018



## Geocoding API Methods

API methods for finding a geolocation (x,y) for addresses.

**Important Note:** `matchAddress` returns the name of the address grid system for the address. For example, `"matchAddress": "10420 E Little Cottonwood Canyon, Salt Lake City"` means that the address is part of the **Salt Lake City address grid system**. It is neither within the boundaries of Salt Lake City proper, nor is that the preferred mailing address placename.

We have [compiled a group of samples](#) in various programming languages showing how to use this API. Please look, learn, and contribute new languages if you are able. Also check out the [great writeup](#) of our web api.

Get

/geocode/street/zone

### Street and Zone

Returns the geocoded address location.

Details

implemented

Post

/geocode/multiple

### Multiple Addresses

Returns a list of geocoded address locations.

Details

implemented

# AGRC Apps: PLSS Survey Corner Points

PLSS Corner Manager x

mapserv.utah.gov/plss

PLSS Legend Find Place Tie Sheet Info TRS Find Coordinate Login

| Tie Sheet Document              | Corner Id              | Point Label | PLSS Id                                 |
|---------------------------------|------------------------|-------------|---|
| <a href="#">View tie sheet.</a> | UT260260S0220E0_440500 | 440500      | UT260260S0220E0                         |
| Elevation                       | Error North            | Error East  | Location                                |
| 6000                            | 15                     | 16          | 38° 32' 56.036" N<br>109° 29' 15.834" W |

**GRAND COUNTY SURVEYOR'S SECTION TIES**

|                         |   |               |
|-------------------------|---|---------------|
| TIE DATE: 11-18-80      | DESCRIPTION OF WORKER                             | PAGE NO.      |
| TIED BY: ACR            | BRASS CAP 4" ABOVE GRADE IN EAST-WEST WIRE FENCE. | T 26 S R 22 E |
| DRAWN BY: SJB           |   | 10            |
| STATE PLANE COORDINATES |   | 15            |
| X = 675430567 m         |   | 19L2          |
| Y = 2825907699 m        |   |               |
| ELEVATION = 1444.318 m  |   |               |

NORTH

SECTION LINE

WIRE FENCE LINE

SECTION LINE

RECORDERS SIGNATURE

APPROVED

*Debra M. Dalton*  
Grand County Recorder

COUNTY SURVEYOR

REVISION OF ENTRY NO.

BOOK NO. PAGE NO.

DA 490258 & 743 p 1  
Date: 13-JUN-2003 9:15AM  
File Name:  
FILED BY: PL  
NEALEY ROSSER DALTON, Recorder  
GRAND COUNTY COORDINATION  
CITY: GRAND COUNTY

# AGRC Apps: Statewide Parcel Viewer

## Utah State Parcels

1.3.1



### Find Parcel

#### Choose a county

County

### Find Address

#### Address

#### Zip or City

Find

### Find GNIS Place Name

place name...



### Find City

#### Parcel Id

373060006

#### Address

759 S DAVID CT

#### City

Alpine

#### Zip Code

84004

#### Generalized Ownership Type

Private

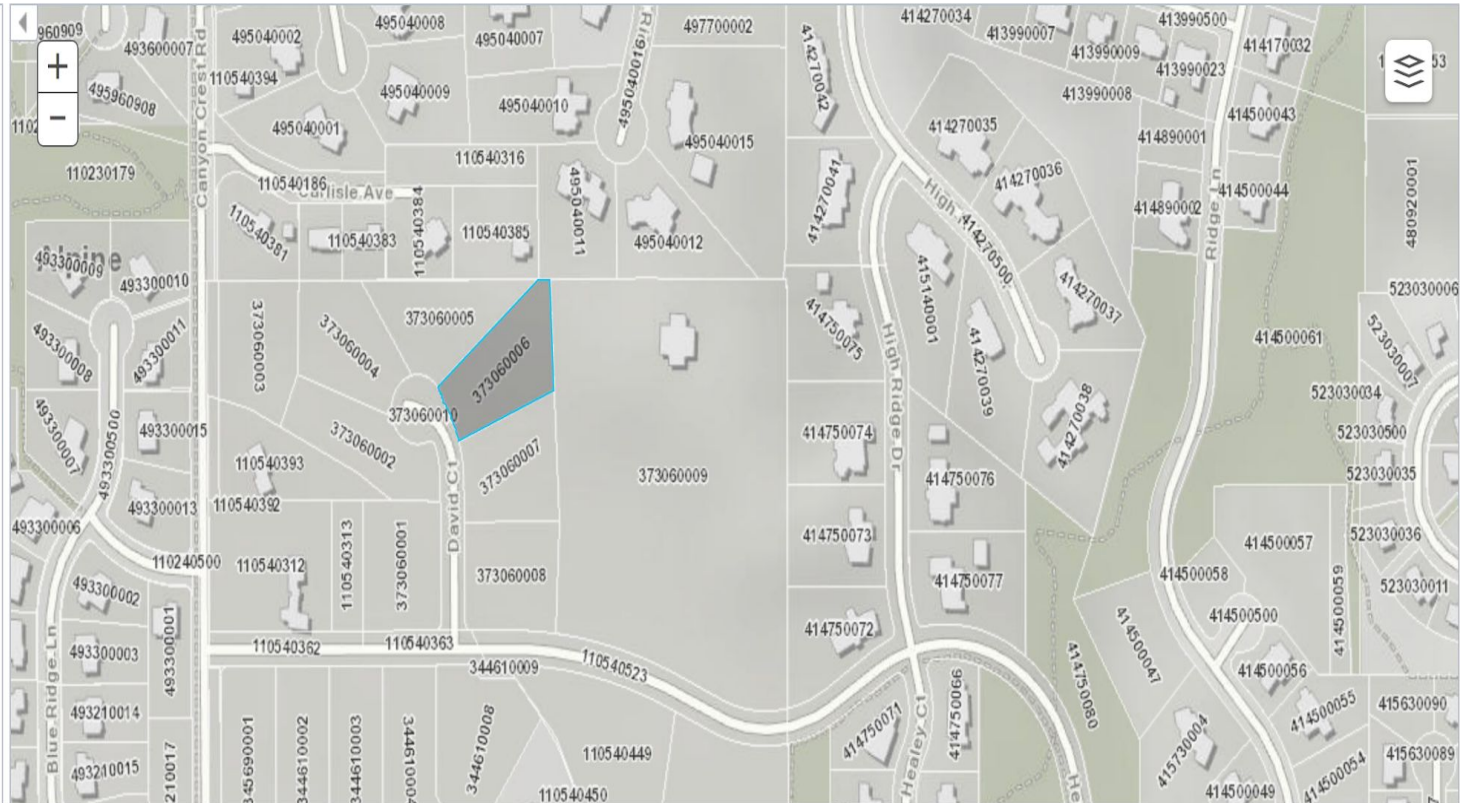
#### Current as of

2/5/18

#### Notes

Dynamic snapshot from county

County Parcel Website



# AGRC Apps: Raster/Lidar Discovery

## AGRC Raster Data Discovery 2.0.6

Step 1 - Select Products

Step 2 - Define Area of Interest

Step 3 - Results

▼ LIDAR

Clear Preview

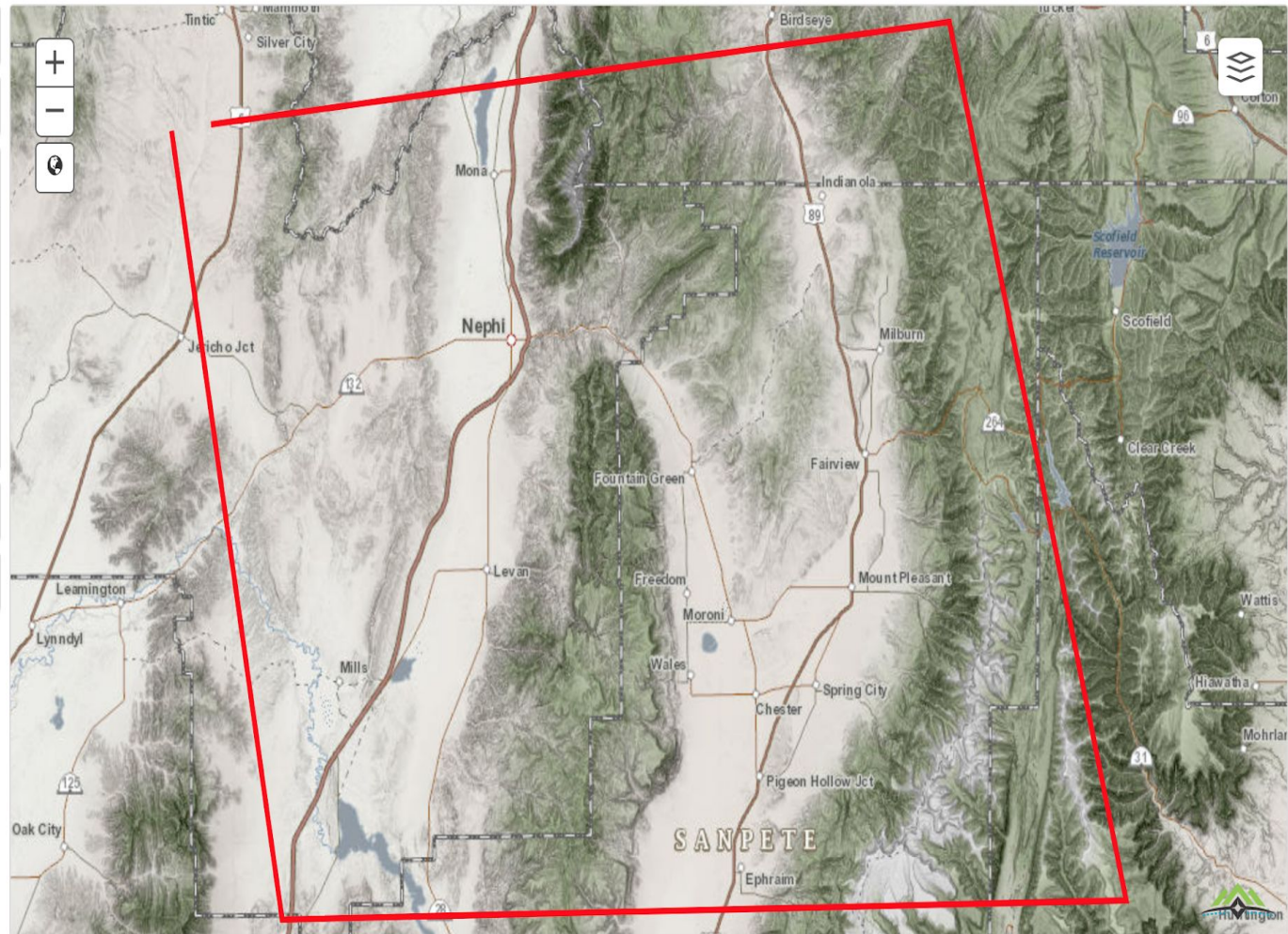
▶ .75 Meter

▶ .5 Meter

▶ 1 Meter

Step 4 - Download Data

Help | AGRC Imagery Services Info



# AGRC Apps: Crash Mapping Data Viewer

crashmapping.utah.gov

Apps Getting Started Imported From Firefox iGoogle Google Calendar Five Best Drink Mixin... 168.179.231.14/ArcGI... 72 Project Managem... Compose Mail - mpe... Other Bookmarks

**Utah Vehicle Collisions** 2.1.0

Data available from 2014-01-01 through 2018-01-31  
[Download Raw Data](#)  
 Source: UDOT (Protected under 23 USC 409)

**Contributing Factors**

|                |                    |
|----------------|--------------------|
| Pedestrian     | Domestic Animal    |
| Wild Animal    | Bicycle            |
| Motorcycle     | Commercial Vehicle |
| DUI/Impaired   | Teenage Driver     |
| Older Driver   | Intersection       |
| Night or Dark  | Speeding           |
| Unrestrained   | Improper Restraint |
| Single Vehicle | Distracted         |
| Drowsy         | Roadway Departure  |

Reset Charts Apply

# AGRC Apps: Statewide EMS Service Areas

## EMS Boundaries 2.1.4



Data and services provided by [Utah AGRC](#)  
Need help? Try reading the [user guide](#).

### Filter Boundaries

### Filter Service Level

### Filter Agency

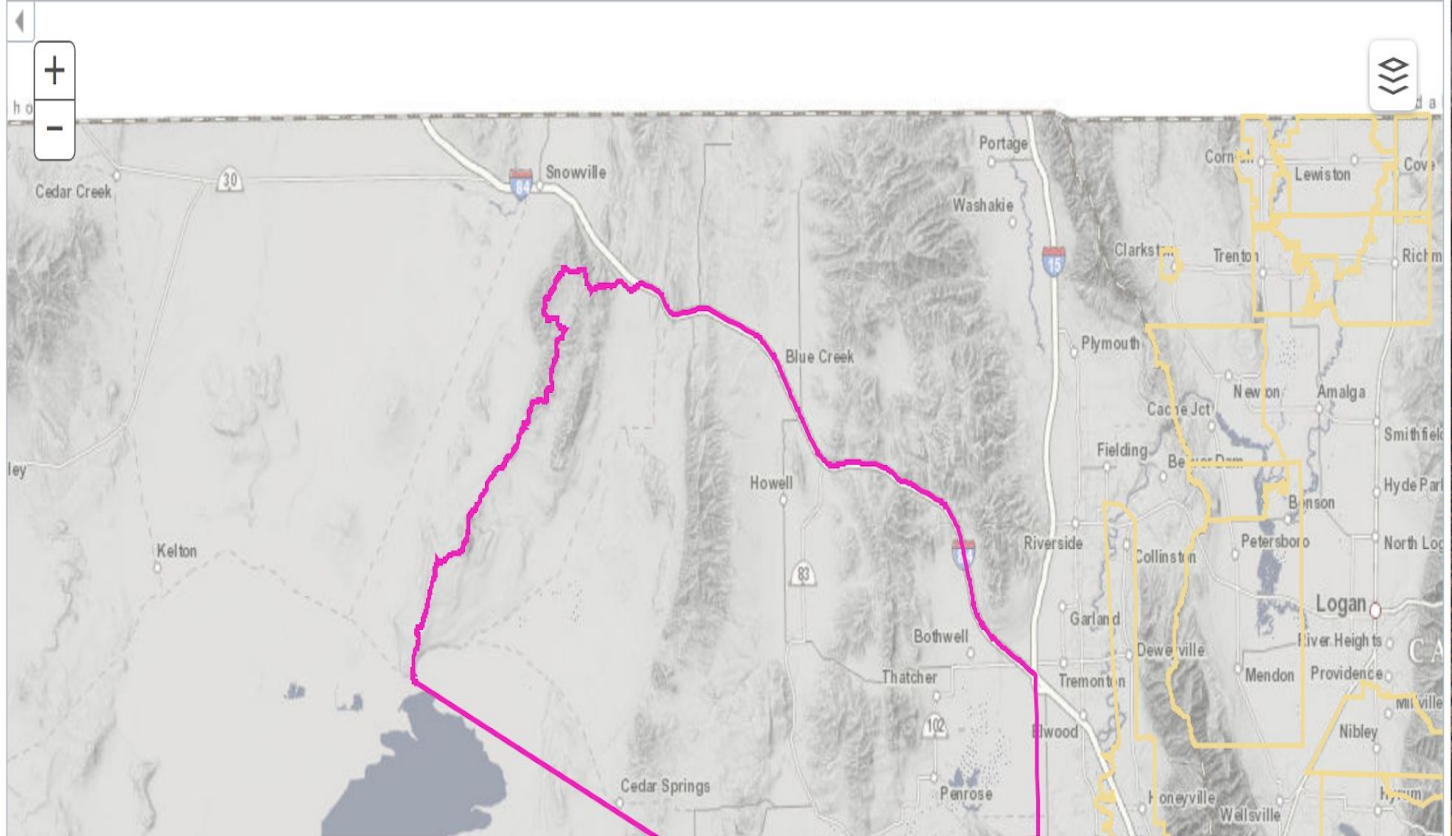
### Filter County

### Find an Address

Address

Zip or City

Find

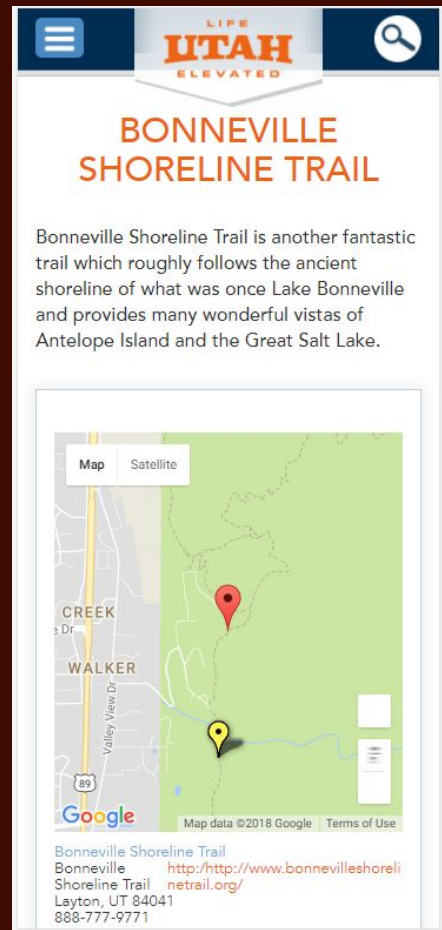
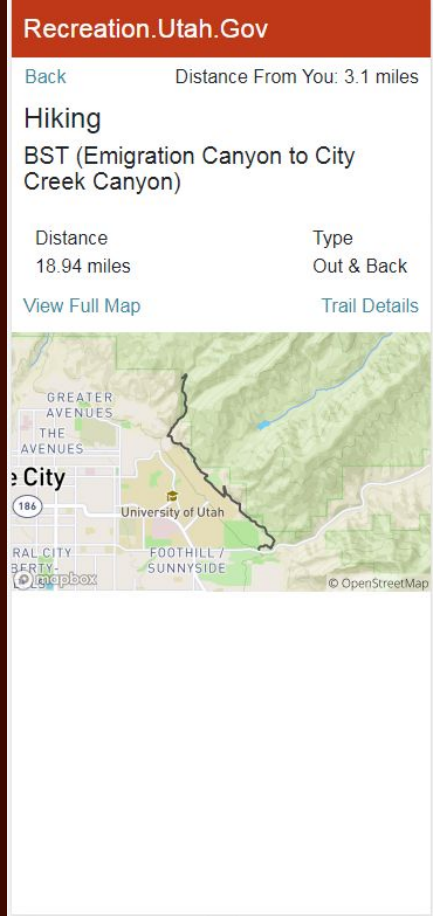
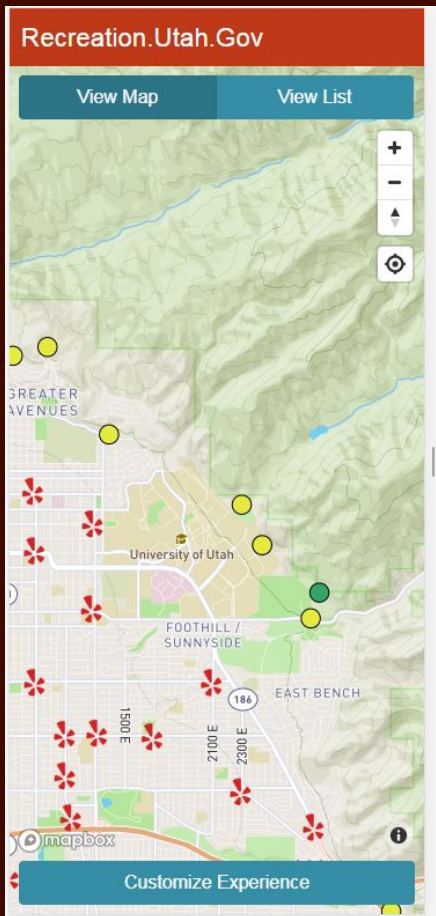
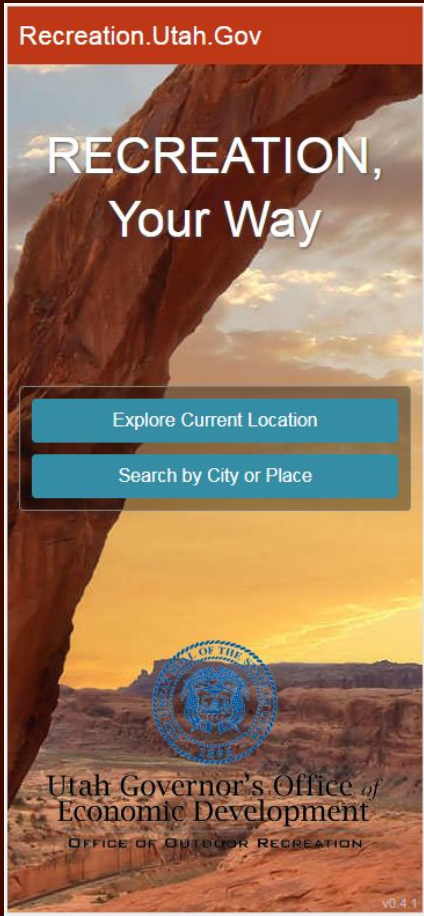


| Boundary Name                    | Type of Service                | Level of Service |
|----------------------------------|--------------------------------|------------------|
| WASHINGTON TERRACE FIRE DEPT     | 911 RESPONSE WITHOUT TRANSPORT | 2009 EMT         |
| THATCHER-PENROSE FIRE DEPARTMENT | 911 RESPONSE WITHOUT TRANSPORT | 2009 EMT         |
| HYRUM FIRST RESPONDERS           | 911 RESPONSE WITHOUT TRANSPORT | 2009 EMT         |
| BRIGHAM YOUNG UNIVERSITY         | 911 RESPONSE WITHOUT TRANSPORT | 2009 EMT         |
| LEWISTON FIRST RESPONDERS        | 911 RESPONSE WITHOUT TRANSPORT | 2009 EMT         |





# AGRC Apps: Statewide Trails



# Utah GIS Apps: Districts, Legislators, Local Elected Officials

UTAH LIEUTENANT GOVERNOR ELECTIONS

Disclaimers: This map took effect on January 1, 2012, for purposes of nominating and electing officials and on January 1, 2013, for all other purposes. [More info](#)

Click on the map to see the political districts for that location.

[Print Current Map To PDF](#)

**Districts**

- US Congress ([PDF Maps](#))
- State Senate ([PDF Maps](#))
- State House ([PDF Maps](#))
- State Board of Edu. ([PDF Maps](#))
- [PDF Maps by County](#)

**Find Location**

Address:

Zip:

[Find](#)

[Download GIS Data](#)

UTAH STATE LEGISLATURE

Legislators Audits Bills Budget Code Committees

Utah State Legislative District Maps

Who represents me? Enter street address in the first field and your zip code in the second field, then click Find. You may also click on the map to determine who the State Senator and House Representative are for that location, or contact your county clerk for official legislative district information.

Street address  Zip code  [Find](#) [Help?](#)

[Use map location](#) [Use physical location](#)

Representative: Mike Winder (R), House District 30

Senator: Karen Mayne (D), Senate District 5

Elected Officials

[Print Page](#) [Close Page](#)

These are your elected officials for your precinct.

| Office              | Name            | District | Address  | Contact Information                                     |
|---------------------|-----------------|----------|--|---|
| US Senate           | Mike Lee        |          | Utah Office Wallace F. Bennett Federal Building 125 South State Street Suite 4225 Salt Lake City, Utah 84138-1158 Washington Office 825 Hart Senate Office Building Washington, D. C. 20510-4403 | (202) 224-5444 (801) 524-5933 mike_lee@lee.senate.gov   |
| US Senate           | Omnin Hatch     |          | Utah Office 8402 Federal Building 125 South State Street Salt Lake City, UT 84138 Washington Office 104 Hart Office Building Washington, D.C. 20510  | (202) 224-5251 senator_hatch@hatch.senate.gov           |
| US House            | Chris Stewart   | 2        | Washington, DC Office 323 Cannon House Office Building Washington, DC 20515  | 202-225-9730 https://stewart.house.gov/contact/email-me |
| Governor            | Gary R. Herbert |          | Utah State Capitol PO Box 142220 Salt Lake City, UT 84114-2220   | (801) 538-1000 gherbert@utah.gov                        |
| Lieutenant Governor | Spencer J. Cox  |          | Utah State Capitol Suite 220 PO Box 142325 Salt Lake City UT 84114   | (801) 538-1041 spencercox@utah.gov                      |
| Attorney General    | Sean D. Reyes   |          | Utah State Capitol Complex 350 N State Street, Suite 210 Salt Lake City, UT 84114  | (801) 538-9600 usag@utah.gov                            |
| State Auditor       | John Dougall    |          | Utah State Capitol Complex East Office Building 350 N State Street, Suite 210 Salt Lake City, UT 84114   | (801) 538-1025  |

# AGRC Apps: WRI Land Restoration Collaborative Projects

The screenshot displays a web browser window with the URL <https://wri.utah.gov/wri/map/map.html#id=4618>. The page header includes the Utah.gov logo and navigation links for 'Services' and 'Agencies'. The main header features the logo for 'UTAH'S WATERSHED RESTORATION INITIATIVE'.

The central part of the page is a satellite map of a mountainous region. A project area is highlighted in black on the map. A sidebar on the left provides details for the selected project:

**Strawberry Sagebrush Pre-treatment (4618)** Proposed

[Adjacent Projects](#) [Project Details](#)

**Details**

**Description**  
Treat Musk Thistle and other weeds in strawberry valley's sagebrush habitat.

**Project Manager:** Robert Edgel

**Lead Agency:** U.S. Forest Service

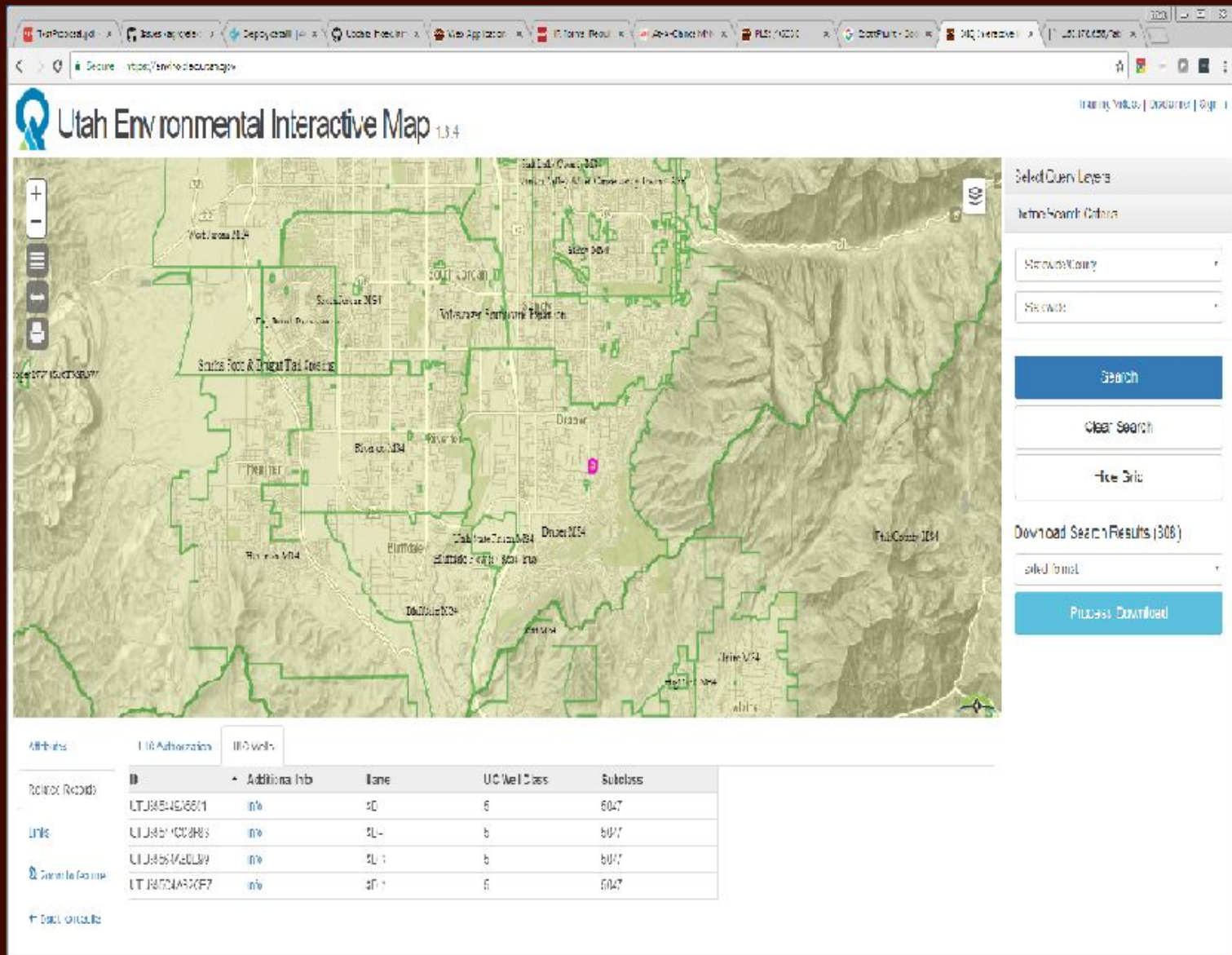
**Region:** Central

**Terrestrial Acres:** 3,544.8124 ac

**Stream Miles:** 21.0935 mi

**County**

# AGRC Apps: Utah Environmental Interactive Map



Utah Environmental Interactive Map 1.3.4

Selected Query Layers

Intersect Query Criteria

Search County

Search

Clear Search

Use Grid

Download Search Results (308)

Selected Format

Process Download

| Records                           | ID           | Additional Info      | Name | UC Well Class | Subclass |
|-----------------------------------|--------------|----------------------|------|---------------|----------|
| <a href="#">Records</a>           | UTJWS4546671 | <a href="#">info</a> | 3D   | 5             | 5047     |
| <a href="#">Links</a>             | UTJWS100385  | <a href="#">info</a> | SL-  | 5             | 5047     |
| <a href="#">Share to Facebook</a> | UTJWS1420139 | <a href="#">info</a> | SL+  | 5             | 5047     |
| <a href="#">Print Results</a>     | UTJWS4546671 | <a href="#">info</a> | 3D+  | 5             | 5047     |

# AGRC Apps: Economic Development Map

The screenshot displays the 'Broadband Economic Development Map' interface. The browser address bar shows the URL: `locate.utah.gov/#x=-12452615&y=4962397&scale=288895&l=30%2C0%7C1%2C12%2C32%2C6%2C17%2C18%2C24%2C23%2C5%2C21%2C8...`

**Filters:**

- Broadband:**
  - Fiber
  - All Non-Mobile Broadband (Includes Fiber, DSL, Cable, and Fixed Wireless)
- Utilities:**
  - Natural Gas Service Areas
  - Electric Utility Territory
  - Local Exchange Areas
  - Culinary Water
  - None
- Economy:**
  - Tax Increment Areas
  - Enterprise Zones
  - Higher Education Schools
  - Workforce Services Centers
  - Business Resource Centers
  - Procurement Technical Assistance Centers
- Transportation:**
  - Freight Rail
  - Commuter Rail
  - Airports

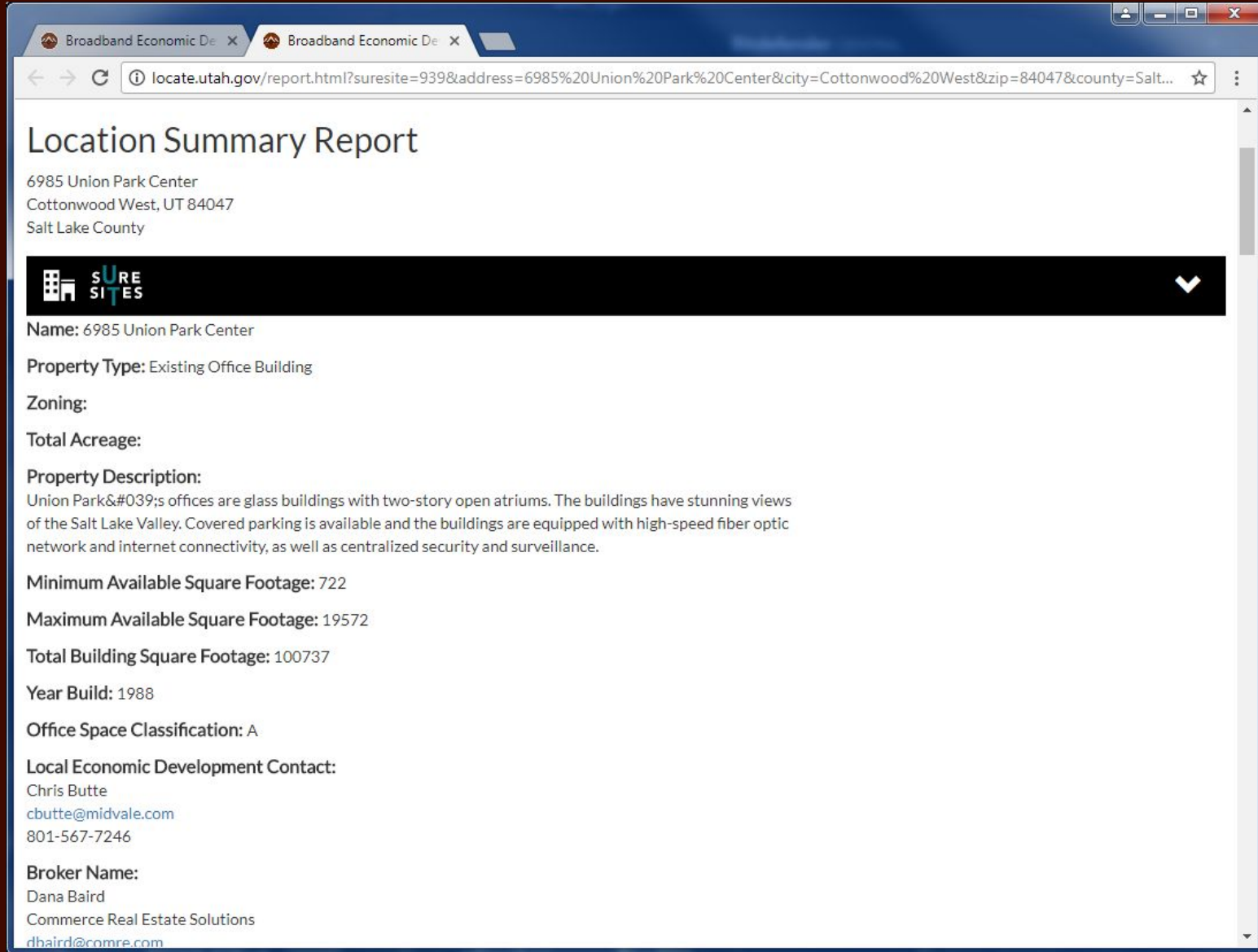
**Map:** The map shows the Salt Lake Valley area with various colored pins representing different economic development features. A popup window is open for a specific property.

**Property Details:**

- Address:** 6985 Union Park Center, Cottonwood West, Utah 84047
- [Google Street View](#)
- Property Type:** Existing Office Building
- Zoning:**
- Acreage:**
- Square Footage:**
- [Summary Report](#)

**Footer:** AGRC | The Federal Aviation Administration (FAA) develop...

# AGRC Apps: Economic Development Map





Broadband Economic De x Broadband Economic De x

locate.utah.gov/report.html?suresite=939&address=6985%20Union%20Park%20Center&city=Cottonwood%20West&zip=84047&county=Salt... ☆

## Location Summary Report

6985 Union Park Center  
Cottonwood West, UT 84047  
Salt Lake County

**Name:** 6985 Union Park Center

**Property Type:** Existing Office Building

**Zoning:**

**Total Acreage:**

**Property Description:**  
Union Park's offices are glass buildings with two-story open atriums. The buildings have stunning views of the Salt Lake Valley. Covered parking is available and the buildings are equipped with high-speed fiber optic network and internet connectivity, as well as centralized security and surveillance.

**Minimum Available Square Footage:** 722

**Maximum Available Square Footage:** 19572

**Total Building Square Footage:** 100737

**Year Build:** 1988

**Office Space Classification:** A

**Local Economic Development Contact:**  
Chris Butte  
[cbutte@midvale.com](mailto:cbutte@midvale.com)  
801-567-7246

**Broker Name:**  
Dana Baird  
Commerce Real Estate Solutions  
[dbaird@comre.com](mailto:dbaird@comre.com)

# AGRC Apps: Economic Development Map

Location Summary Report

6985 Union Park Center  
Cottonwood West, UT 84047  
Salt Lake County

**SURE SITES**

**BROADBAND**

**Fiber Providers**

| Provider         | Web Site   | Phone        | Contact Name    | Contact Email  | Providing Fiber in:        |
|------------------|--|--------------|-----------------|--|----------------------------|
| CenturyLink      | <a href="http://www.centurylink.com">www.centurylink.com</a>         | 801-575-4796 | Flemming Jensen | <a href="mailto:flemming.jensen@centurylink.com">flemming.jensen@centurylink.com</a> | Short term (1-3 month avg) |
| Comcast          | <a href="http://www.comcast.com">www.comcast.com</a>                 | 801-401-3250 | Steve Proper    | <a href="mailto:steve_proper@cable.comcast.com">steve_proper@cable.comcast.com</a>   | Short term (1-3 month avg) |
| Integra Telecom  | <a href="http://www.integratelecom.com">www.integratelecom.com</a>   | 801-499-3889 | Jason Morgan    | <a href="mailto:jason.morgan@integratelecom.com">jason.morgan@integratelecom.com</a> | Short term (1-3 month avg) |
| Level 3          | <a href="http://www.level3.com">www.level3.com</a>                   | 855-381-0410 | Alan Walker     | <a href="mailto:alan.walker@level3.com">alan.walker@level3.com</a>                   | Short term (1-3 month avg) |
| Syringa Networks | <a href="http://www.syringanetworks.net">www.syringanetworks.net</a> | 801-462-0883 | Gabe Gomez      | <a href="mailto:ggomez@syringanetworks.net">ggomez@syringanetworks.net</a>           | Short term (1-3 month avg) |
| UTOPIA           | <a href="http://www.utopianet.org">www.utopianet.org</a>             | 801-613-3855 | Roger Timmerman | <a href="mailto:rtimmerman@utopiafiber.com">rtimmerman@utopiafiber.com</a>           | Short term (1-3 month avg) |
| Zayo             | <a href="http://www.zayo.com">www.zayo.com</a>                       | 720-549-2283 | Marina Goldberg | <a href="mailto:marina.goldberg@zayo.com">marina.goldberg@zayo.com</a>               | Short term (1-3 month avg) |

**Other Fixed Broadband Providers**

| Provider | Web Site | Phone |
|----------|----------|-------|
|----------|----------|-------|

# AGRC Apps: Economic Development Map

Location Summary Report

6985 Union Park Center  
Cottonwood West, UT 84047  
Salt Lake County

**SURE SITES** ▼

**BROADBAND** ▼

**UTILITIES** ▼

**Local Exchange Areas**

| Provider    | Web Site   |
|-------------|--|
| Centurylink | <a href="http://www.centurylink.com">www.centurylink.com</a> |

**Electric Utility Territory**

| Provider             | Web Site   |
|----------------------|--|
| Rocky Mountain Power | <a href="http://www.rockymountainpower.net">www.rockymountainpower.net</a> |

**Natural Gas**

| Provider    | Web Site   |
|-------------|--|
| Questar Gas | <a href="http://www.questargas.com">www.questargas.com</a> |

**ECONOMY** ▼

**Enterprise Zones**

| Name | Expire Year | BOC Name | BOC Phone | BOC Email |
|------|-------------|----------|-----------|-----------|
|------|-------------|----------|-----------|-----------|



# AGRC Apps: Economic Development Map

Location Summary Report

6985 Union Park Center  
Cottonwood West, UT 84047  
Salt Lake County

**SURE SITES** ▼

**BROADBAND** ▼

**UTILITIES** ▼

**ECONOMY** ▼

**TRANSPORTATION** ▼

Major Roads, Freeways, US Highways and State Highways within 1 Mile

| Name          |
|---------------|
| 900 E         |
| HUSKY HWY     |
| I-215E EB FWY |
| I-215E WB FWY |

**Airports - International**

| Name                    | Drive Time |
|-------------------------|------------|
| Salt Lake International | < 30 mins  |

# WFRC Apps: Existing Land Use/Transportation Conditions

## Existing Conditions: Wasatch Front Region

Interactive Map Gallery   

Intro

Land Use

Year Built

Centers

Transit Accessibility

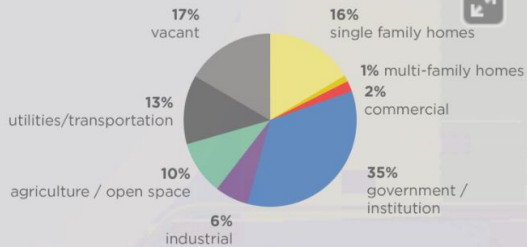
Auto Accessibility

Street Design

Managing Road Congestion



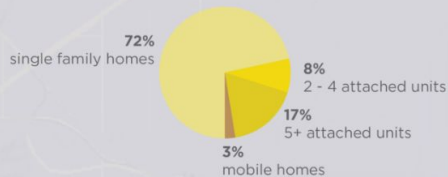
### Existing Land Use Distribution



Graphs and map display how land is currently being used regionally.

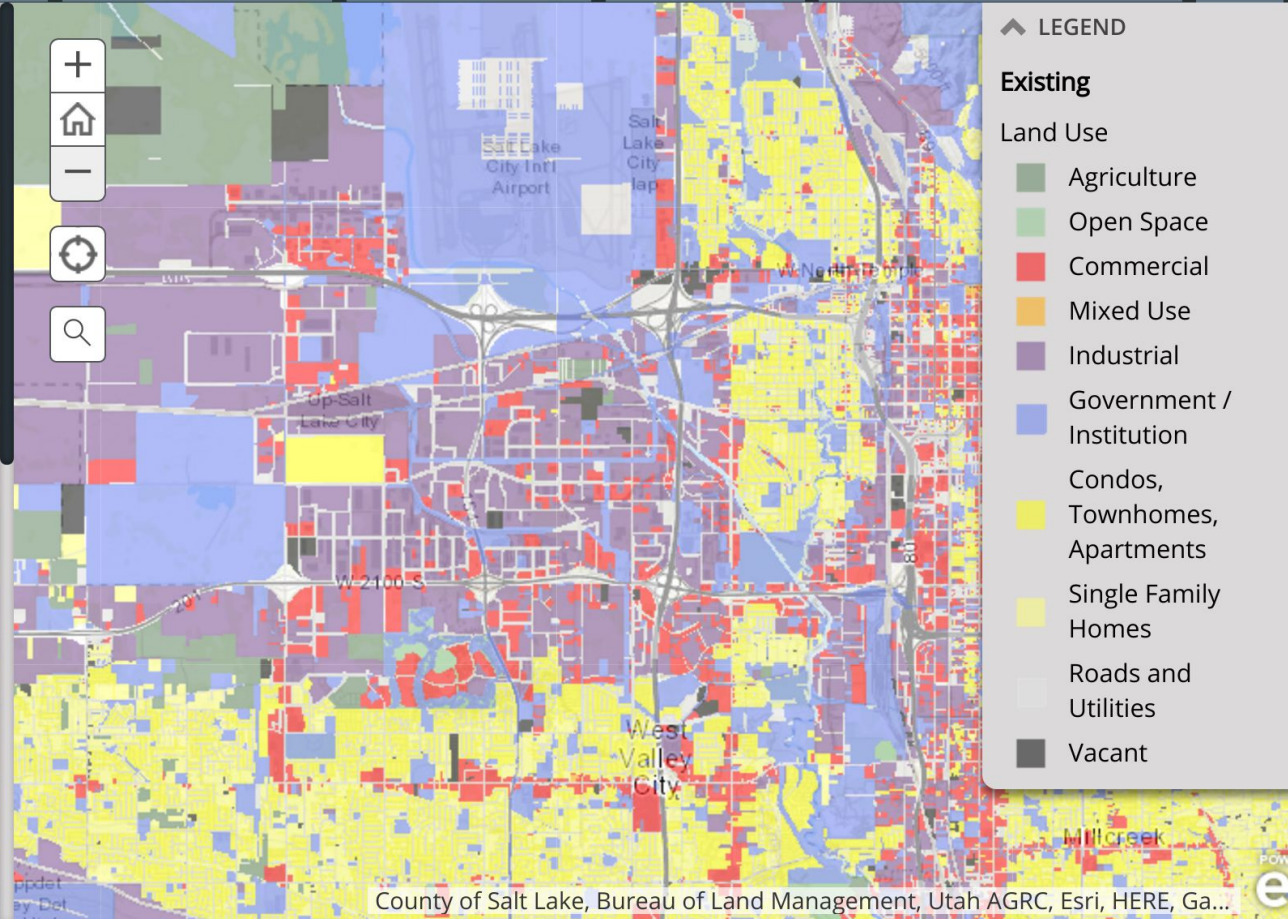
### Housing Mix

The housing mix displays different residential choices available. This measure is a subset of the land distribution measure above.

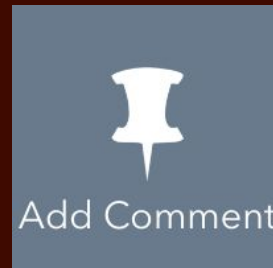
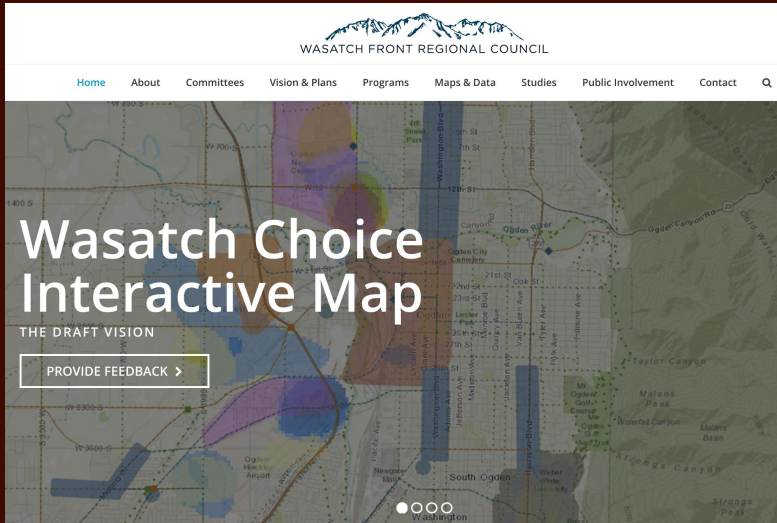


We spend more time in our homes than anywhere else, so housing costs, choices, and accessibility are critical.

How well does each community meet the diverse housing needs now and




# WFRC Apps: Public Comment on Draft 2050 Vision



The legend is titled "Legend" and is located in the top right corner of the map interface. It lists various project types and centers with corresponding symbols and colors:

- Transit Line Projects**
  - Existing
  - Proposed
- Roadway Line Projects**
  - Existing
  - Proposed
- Active Transportation Line Projects**
  - Existing
  - Proposed
- Centers**
  - /// Area of Change
  - Blue square: Boulevard Community
  - Purple square: Industrial Area
  - Red square: Job Area
  - Light blue square: Main Street
  - Pink square: Metropolitan Center
  - Grey square: Special District
  - Red square: Station Community
  - Orange square: Town Center
  - Brown square: Urban Center
  - Light blue square: Village Center

# WFRC Apps: Public Comment on Draft 2050 Vision

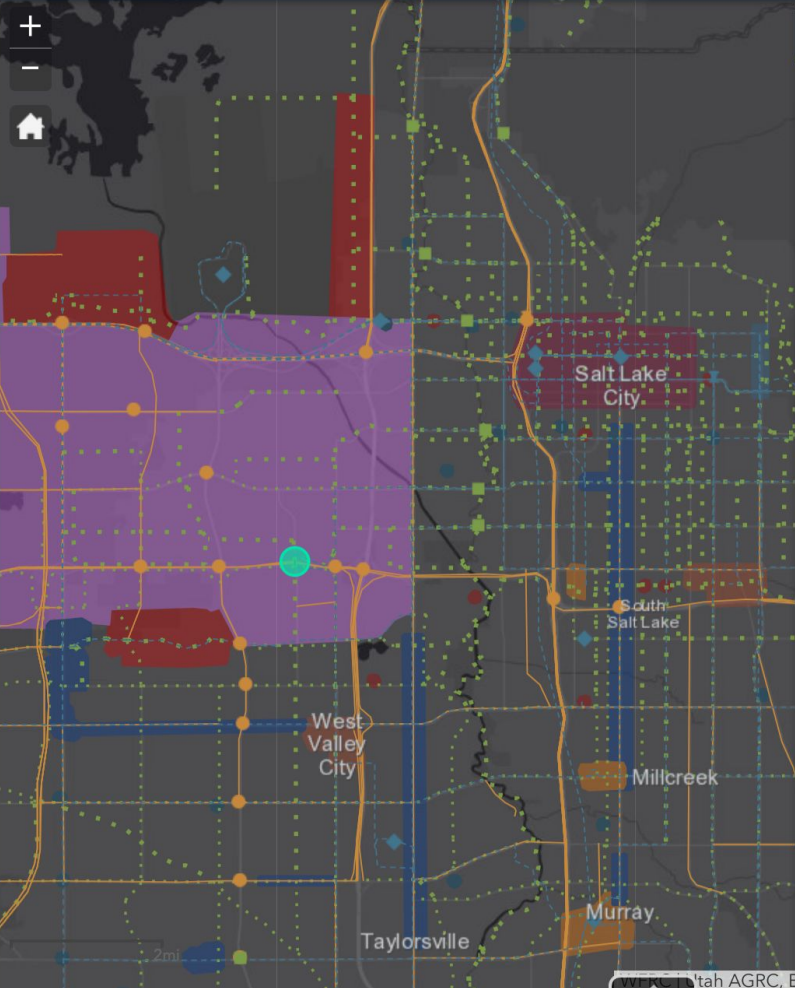


## Wasatch Choice Interactive Map

### Process

**Why are we performing the WC2050 Vision process?**  
The success of WC2050 is dependent on local communities voluntarily doing their part to make the Vision a reality. This locally-driven approach in which cities, counties, community organizations, transportation partners, businesses, the public, and others help to create and implement WC2050 together creates local solutions with regional significance.

**Where are we in the WC2050 Vision process?**  
Three scenarios were developed to show the trade-offs associated with different transportation and land use investments. Select elements were combined into the Draft Vision. The Vision will provide the blueprint for selecting the RTP projects.



Draft Wasatch Choice 2050 Vision

Click the Pushpin to Leave a Comment

### Add Comment

To leave a comment, click a pushpin and place it on the map. - Editor Cache

Category \*

Active Transportation

Comment \*

Bike Crossing may not be appropriate at this hig

Name

Bert Granberg

Organization

AGRC ExPat

Phone/E-mail

bgranberg@utah.gov

Edit Geometry

Back Save

# Possible Future Needs

How to best connect WFRC Stakeholders to:

- Visioning and proposed enhancements in their AOI
- Overall vision and enhancements regionwide
- More than a complex map, possibly a personalized experience to react to?

**That's It. Let's get back to the Important Stuff! - Be Safe or Else!**



# NSGIC! On the slopes!

