A historical map of Utah showing the Public Land Survey System (PLSS). The map features a grid of survey lines, including the 1855 Base Line, Salt Lake Meridian, San Bernardino Meridian, Salt River Meridian, and Mexico Principal Meridian. A small inset map in the top right corner shows the location of Utah within the Western United States, labeled 'Wind B.L. 1875'. The text 'Utah and the PLSS' is prominently displayed in the center, with 'Public Lands Survey System' below it. The names of neighboring states, 'NEW MEXICO' and 'WYOMING', are also visible on the map.

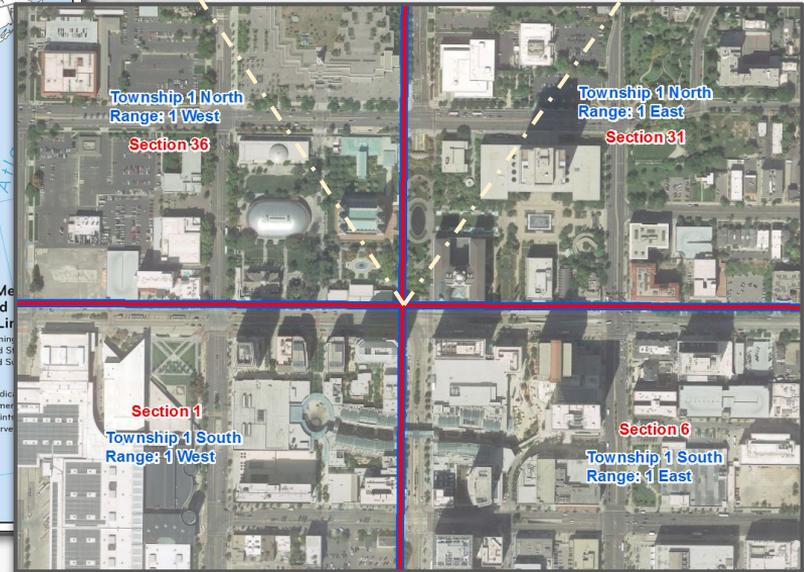
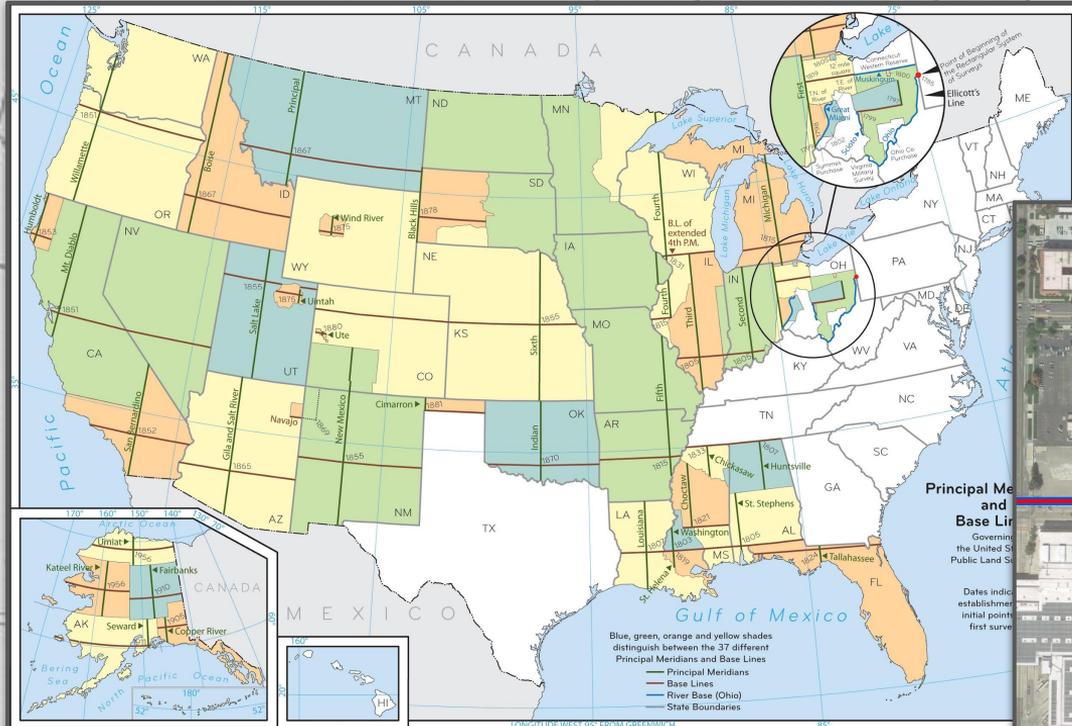
# Utah and the PLSS

## Public Lands Survey System

**Matt Peters & Greg Bunce**  
**Utah Automated Geographic Reference Center**

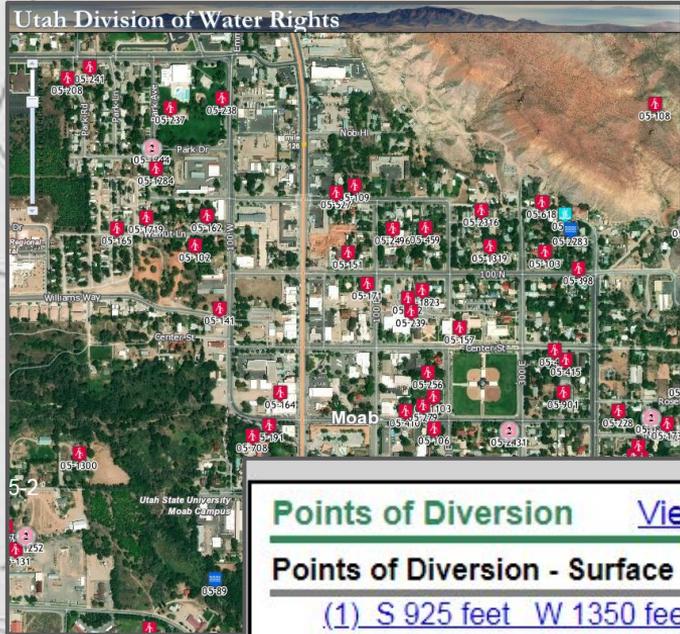
# What is the PLSS?

## Public Lands Survey System



# PLSS Section Corners

## Water Rights



Adjudication



05-2368

**Water Right 05-2368**  
Status: DIL  
Priority: 1903  
Uses: DS  
CFS: 0.011  
Owner: JILL MCKENNIS

**Point of Diversion**  
Type: Surface  
Location: S925 W1350 NE 10 26S 23E SL  
Source: Unnamed Spring  
[Zoom to](#)

[Points of Diversion](#) [View Map](#)

**Points of Diversion - Surface**

(1) S 925 feet W 1350 feet from NE corner, Sec 10 T 26S R 23E SLBM

Diverting Works: Pipeline to stock tanks

Source: Unnamed Spring

Elevation:

UTM: 641761.195, 4269321.276 (NAD83)

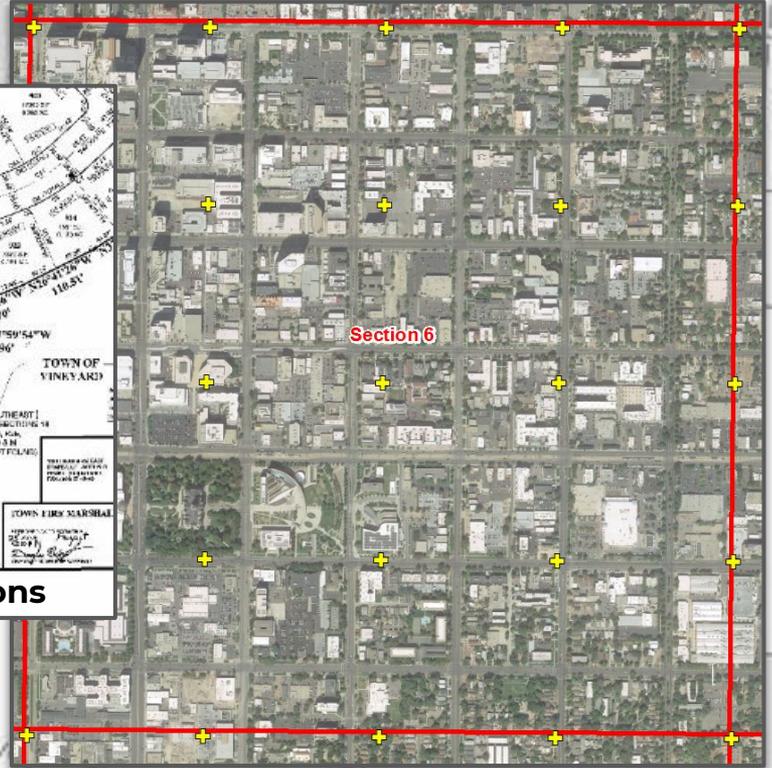
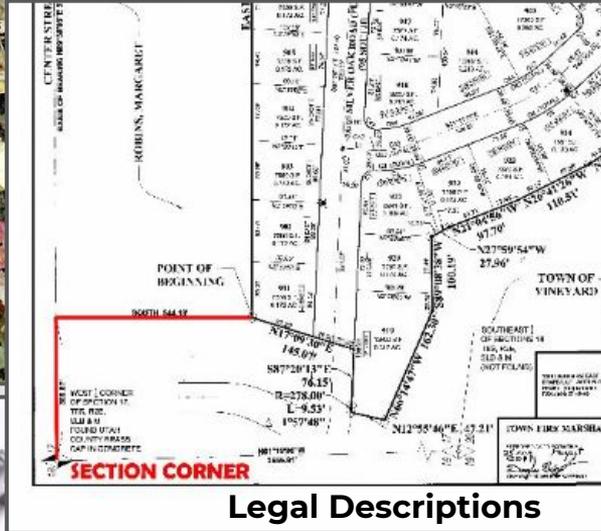
Stream Alteration Required:

# PLSS Section Corners

Private Property and Public Lands



Monuments



# PLSS Section Corners

## Urban Development

Legal descriptions can be affected in areas that have not been surveyed since the early 1900s



# PLSS Section Corners

## Monument Destruction

**New Road Construction**

**Property Development**

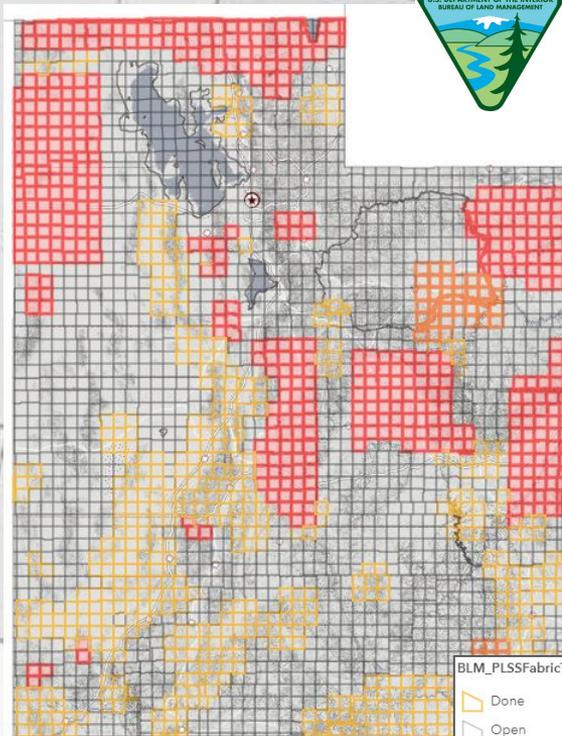
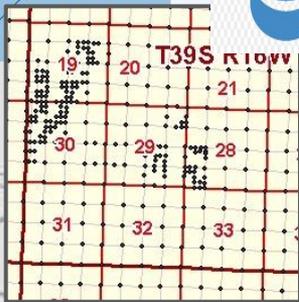
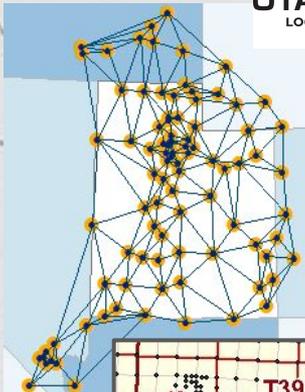
**Conservation projects**

- **Forest fire rehabilitation**
- **Habitat remodeling (restoration)**



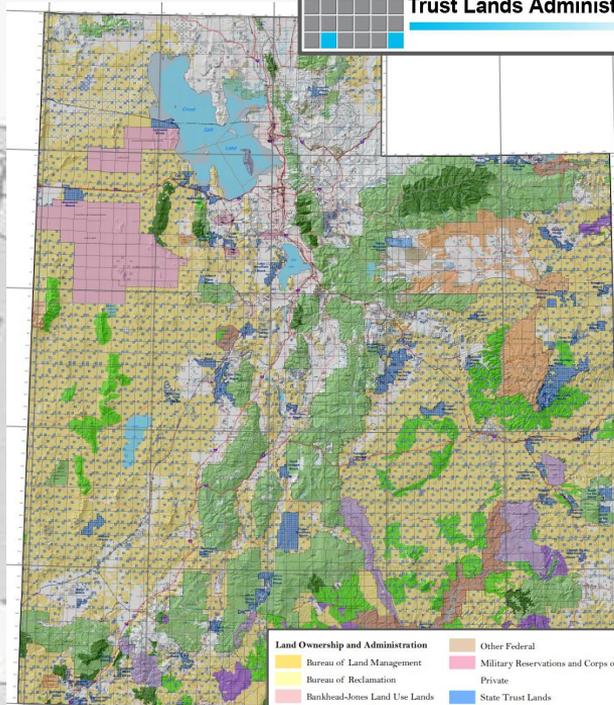
# PLSS Coordination

Federal and State  
2015 MOU



BLM\_PLSSFabricTracker

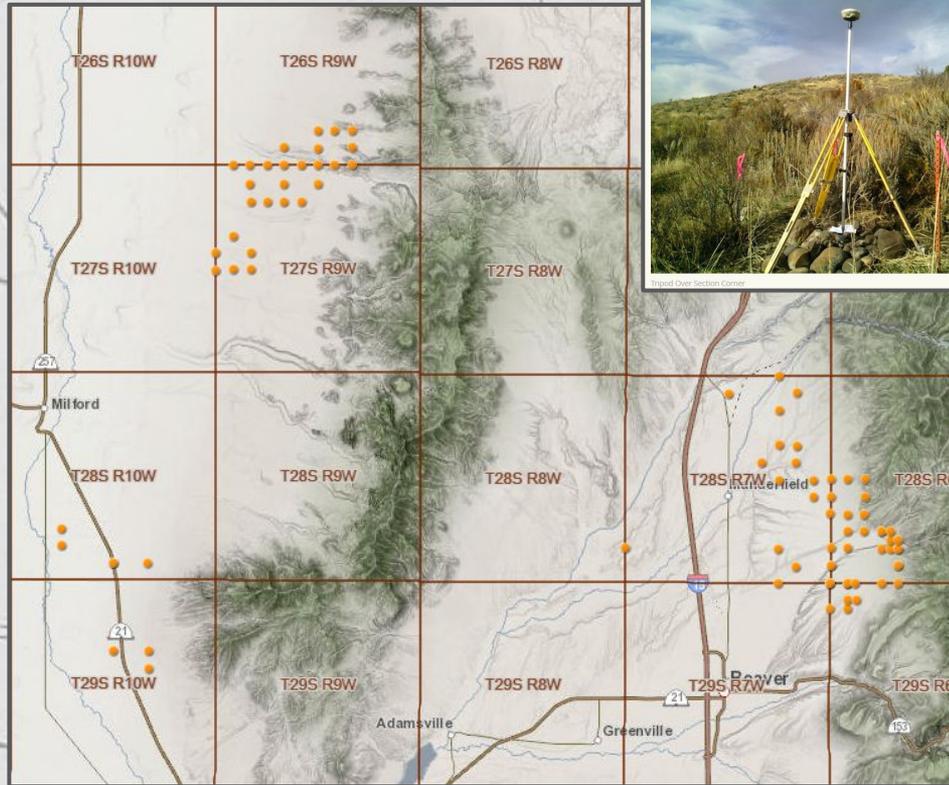
- Done
- Open
- Other
- Planned
- Working



- | Land Ownership and Administration |  |
|-----------------------------------|--|
| Bureau of Land Management         | Other Federal                                |
| Bureau of Reclamation             | Military Reservations and Corps of Engineers |
| Bankhead-Jones Land Use Lands     | Private                                      |
| National Recreation Area          | State Trust Lands                            |
| National Parks & Historic Sites   | State Sovereign Land                         |
| National Monument                 | State Parks and Recreation                   |
| National Forest                   | State Wildlife Reserve/Management Area       |
| National Wilderness Area          | Other State                                  |
| National Wildlife Refuge          | Tribal Lands                                 |

# PLSS Coordination

## State and Local Utah Monument Preservation Program

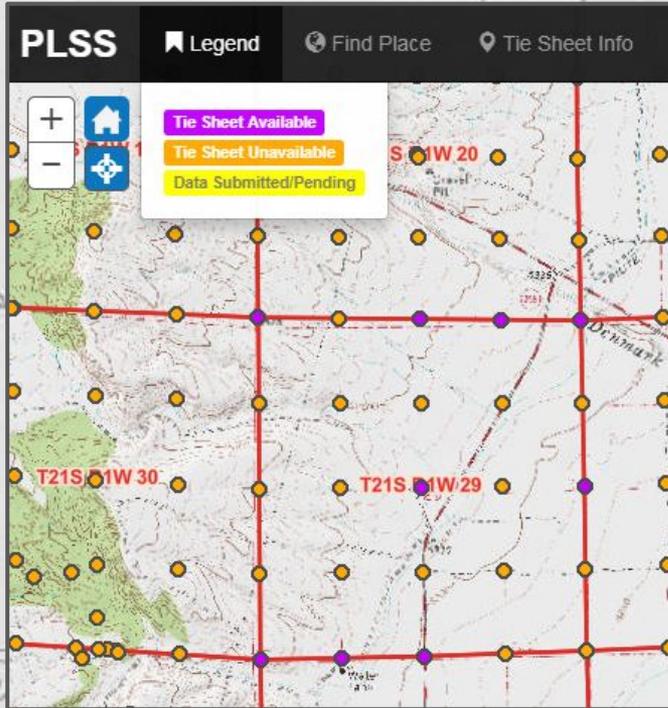


Tripped Over Section Corner

STATE OF UTAH MONUMENT RECORD SHEET			
BLM Point Name UT7604050020W0_260K00	Contact Name Douglas Greenhaw	License Number 174457	Date 7/28/2016
Corner Of Section SW	Map View Photo or Sketch		
Township Range Section T28S R9W Sec20			
Range and Meridian			
Salt Lake			
State Utah	County Garfield		
Geographic Coordinates			
Latitude (DNMS) 37°49'35.1046" North			
Longitude (DNMS) 111°22'2.7687" West			
Ellipsoid Height 2236.822			
Grid Coordinates			
Northing 3128853.203			
Easting 452035.970			
Horizontal Units meters			
Ortho Elevation 2256.218			
Coordinate System		Zone	
NAD83		South Zone	
Datum		NGS Adjustment	
NAD83		NGS 2011	
Vertical Units meters			
Vertical Datum NAVD83			
Monument Status Observed			
Disclaimer <i>The state of Utah makes no guarantees, representations, or warranties of any kind, expressed or implied, as to the content, accuracy, timeliness, or completeness of any of the data. Unless otherwise noted all images are oriented north and are not to scale. The data is provided on an "as is, where is" basis. The State assumes no obligation or liability for its use by any persons.</i>			
Additional Notes Survey Grade (4-10.03m)		Monument Area Photo	Monument Close-up Photo

# PLSS Coordination

Surveyors and GPS Enthusiasts



PLSS Corner Management App



AGRC's VRS

TURN (The Utah Reference Network) GPS

# PLSS Achievements

## Data Improvements



County  
Parcels

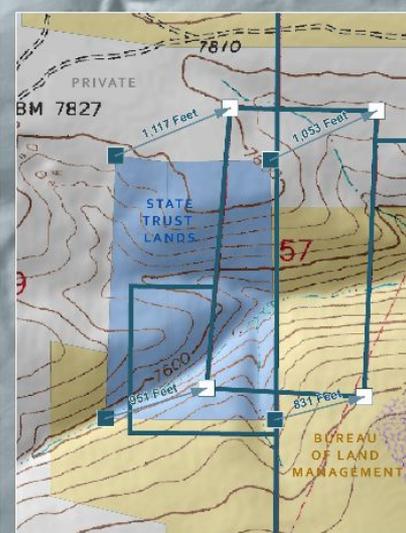


Before



After

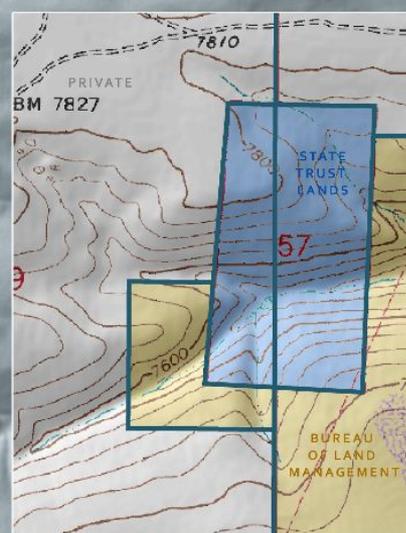
## Land Ownership



Land Ownership aligned to 2006 GCDB

BEFORE

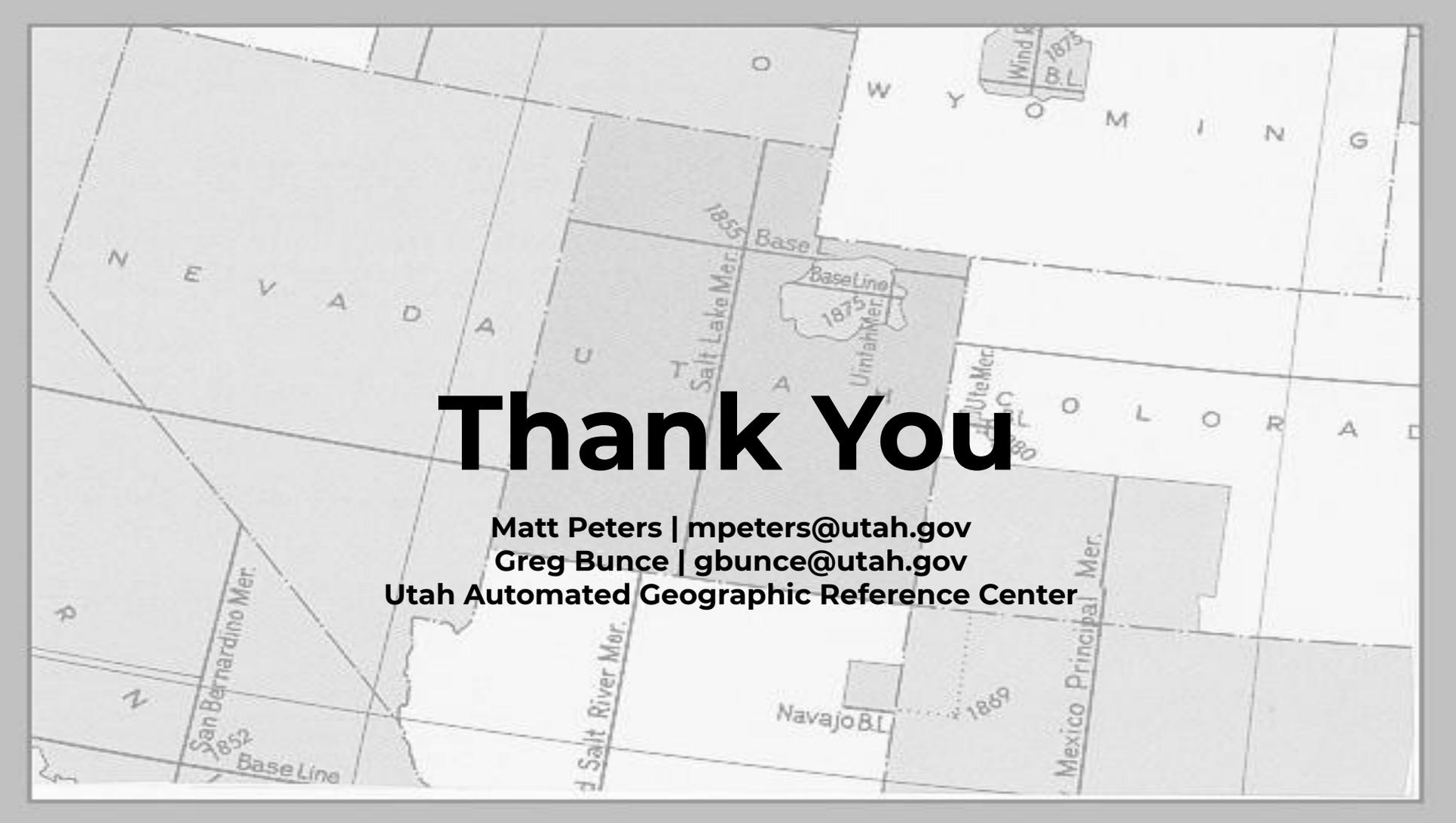
Before



Land Ownership aligned to Utah PLSS Fabric v.1.0

AFTER

After

A historical map of Utah and surrounding regions, including Nevada, Wyoming, and Colorado. The map shows various survey lines and boundaries, such as the 1855 Base Line, Salt Lake Mer., Ute Mer., San Bernardino Mer., Salt River Mer., Navajo B.L., and Mexico Principal Mer. A small inset map in the top right corner shows the Wind River Basin (W.R.B.) and the Base Line (B.L.) in 1875. The word "UTAH" is prominently displayed in the center of the map.

# Thank You

**Matt Peters | [mpeters@utah.gov](mailto:mpeters@utah.gov)**  
**Greg Bunce | [gbunce@utah.gov](mailto:gbunce@utah.gov)**  
**Utah Automated Geographic Reference Center**