



**JORDAN VALLEY WATER**  
CONSERVANCY DISTRICT

# West General Plan

Water Availability and Water  
Conservation

**Salt Lake County Planning Commission**  
**July 14, 2021**

# Water Conservancy Districts offer 3 key services:

## Delivering Water



## Managing Demand



## Developing Supply

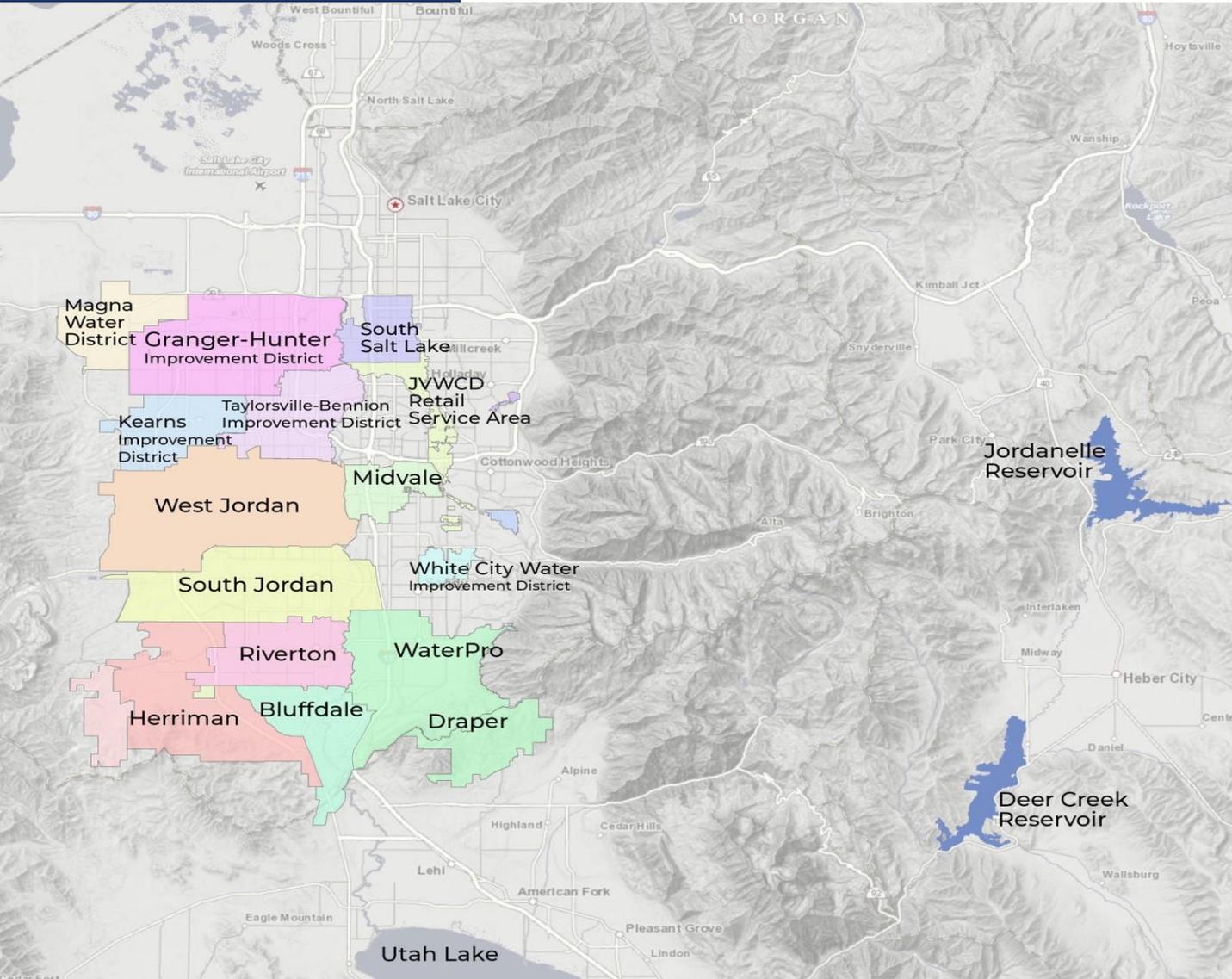


- Manage increasingly complicated water supply
- Treat water to exceed regulatory requirements
- Maintain growing and aging infrastructure

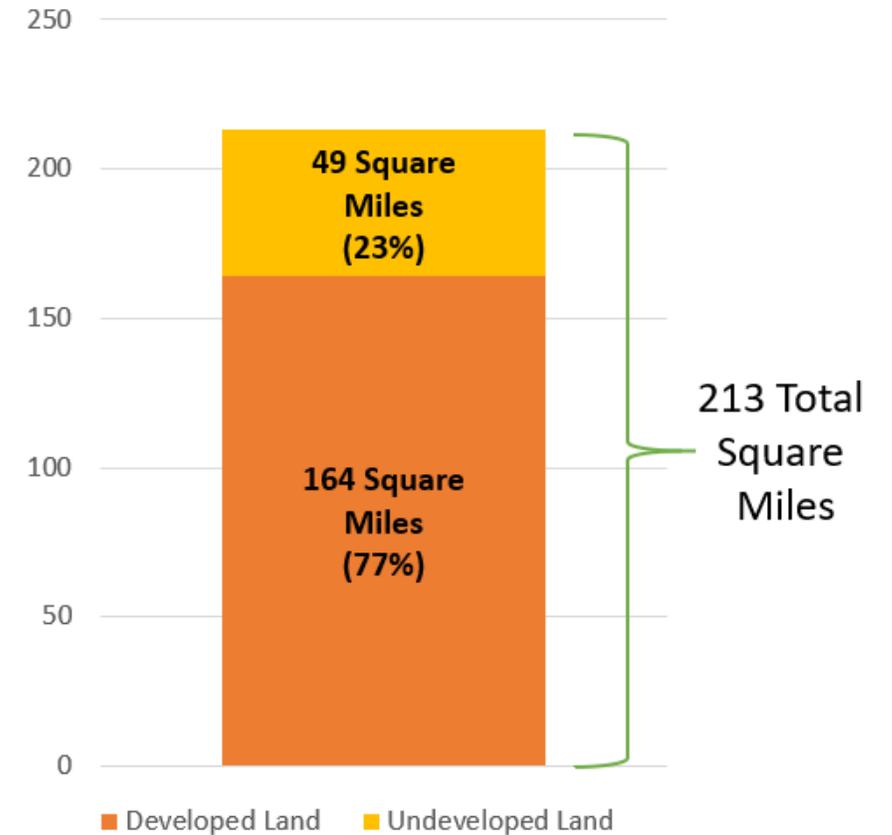
- Promote efficient use of water through incentives, programs, and ordinances
- Encourage landscaping appropriate for Utah
- Develop a water conservation ethic

- Identify most cost-effective water supply alternatives
- Plan and support water projects decades in advance of demand
- Secure funding for long-term water development projects

# JVWCD Current Service Area

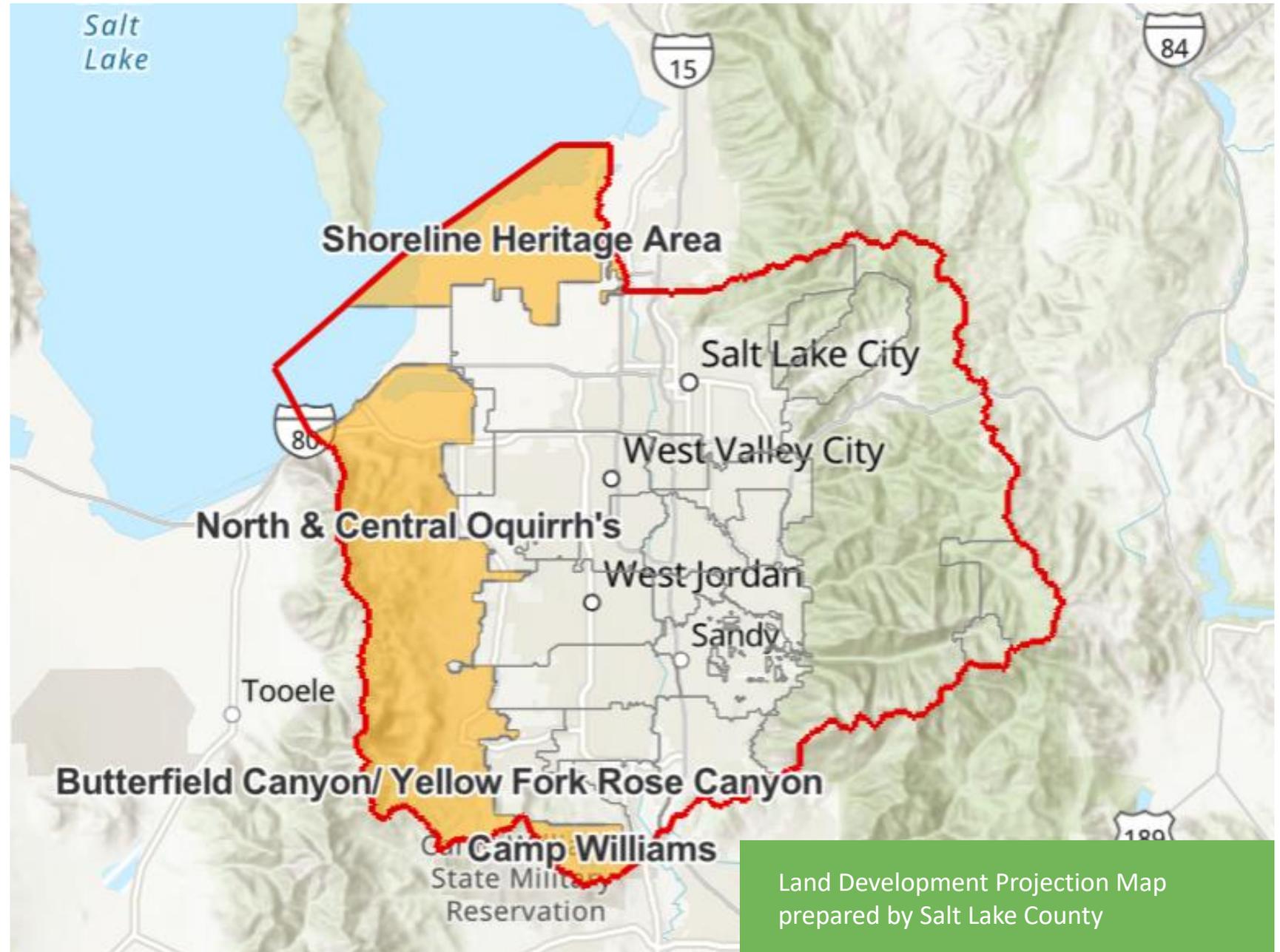


## JVWCD's Service Boundaries (2018)



# Areas for Potential Service Area Expansion

It is anticipated the western portion of this projection plan could be annexed into JWCD's service area.



## JORDAN VALLEY WATER'S 2021 DROUGHT RESPONSE



Extreme drought conditions throughout Utah have prompted Governor Cox to issue multiple executive orders intended to reduce water use this year. It is critical that communities throughout the state respond appropriately to these executive orders to ensure that our water is used as efficiently as possible.

### DROUGHT RESPONSE ACTIONS FOR 2021

- JWCD's planning, infrastructure, and supply sources are intentionally designed to sustain short-term drought conditions and will help us get through this year.
- Though JWCD does not anticipate any water shortages or restrictions to its deliveries for 2021, effective drought responses will improve water availability for coming years.
- JWCD supports and promotes the Governor's recent executive orders that ask for water use reductions, including the following requests:
  - Do not irrigate landscapes between 10 a.m. and 6 p.m.
  - Do not irrigate landscapes when it is windy or raining.
  - Limit irrigations to two times per week.
  - Repair indoor and outdoor leaks.
  - Replace inefficient plumbing fixtures.
  - Make sure equipment, fixtures, appliances, and systems are operating properly and are using water efficiently.
- JWCD recommends that cities consider delaying the requirement for new landscaping to be installed this summer as part of new construction until temperatures decrease.

### PREPARING FOR FUTURE DROUGHTS

SEE HOW PREPARATION IS OUR KEY TO STAYING OUT OF CRISIS

#### ■ LONG-TERM VISION

Our water supply plan extends 50 years into the future. With this long-term approach to planning, Jordan Valley Water can prepare for uncertainties like changing climates, development trends, and drought.

#### ■ DIVERSIFIED SUPPLIES

Diverse water supplies and storage infrastructure allows Jordan Valley Water to store water from year to year and to avoid becoming too reliant on a single water source.

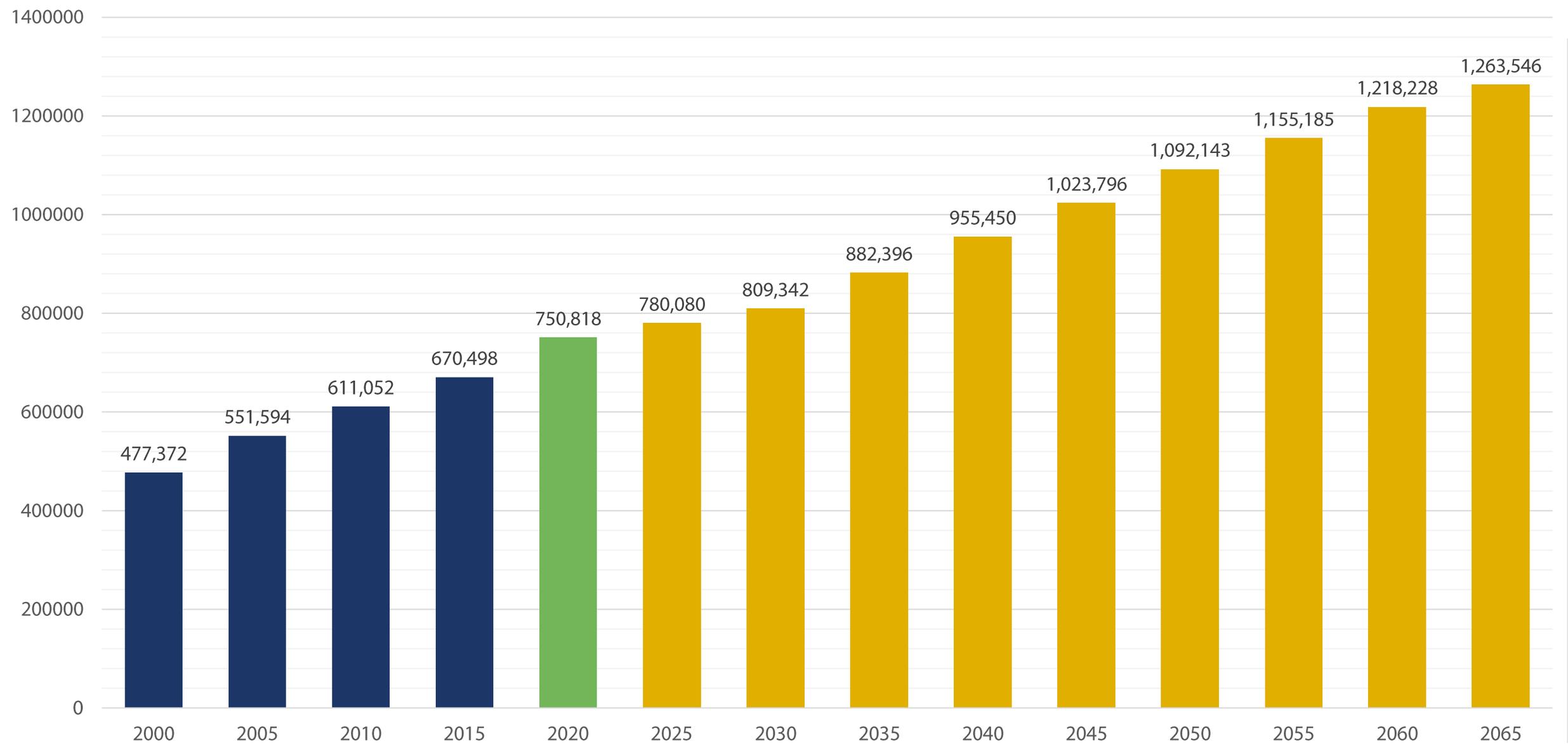
#### ■ MITIGATION PLANNING

Jordan Valley Water has spent more than a year creating a comprehensive drought contingency plan that includes drought mitigation and response actions for each community within its service area.

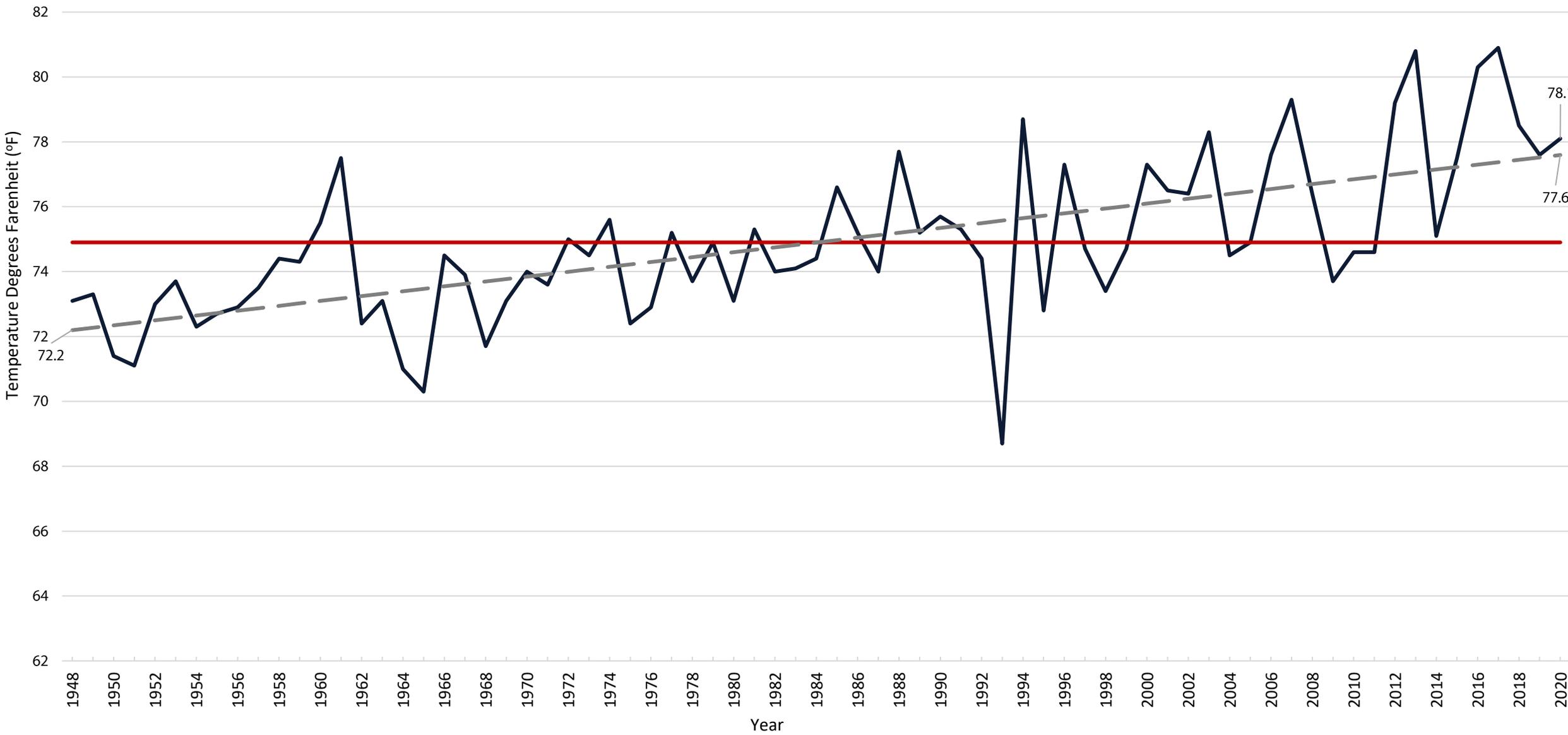
#### ■ CONSERVATION PRIORITY

Reducing water demand helps create drought resiliency. Jordan Valley Water has made water conservation a top priority. Rebates to help residents save water are available at [UtahWaterSavers.com](https://www.UtahWaterSavers.com).

# JVWCD Population History and Projections



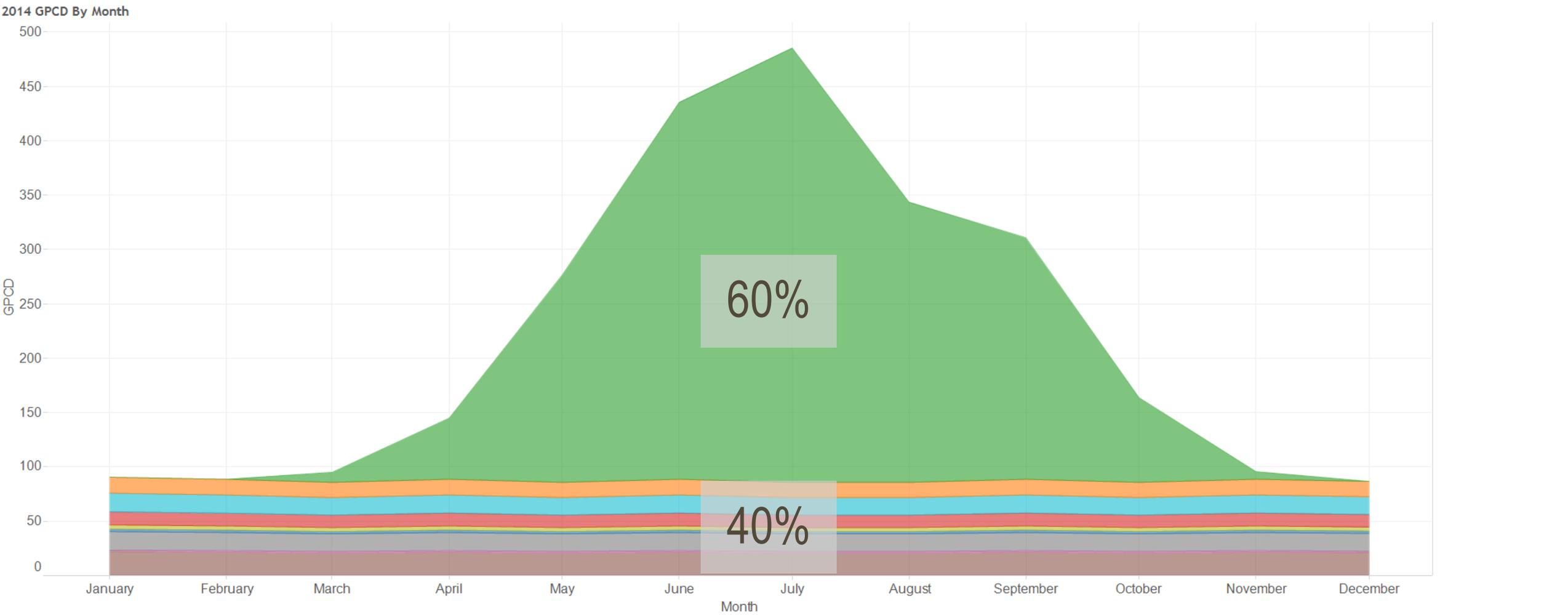
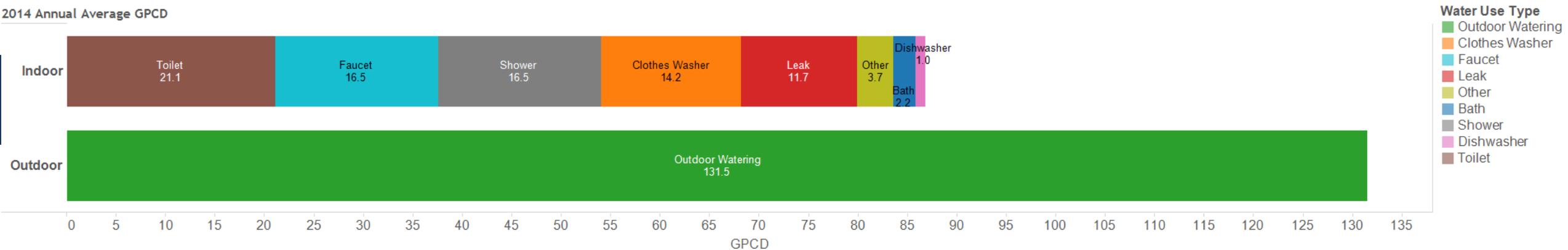
# Salt Lake International Airport Average Temperature (June, July, Aug.)



— Average Annual Temperature (June-Aug)

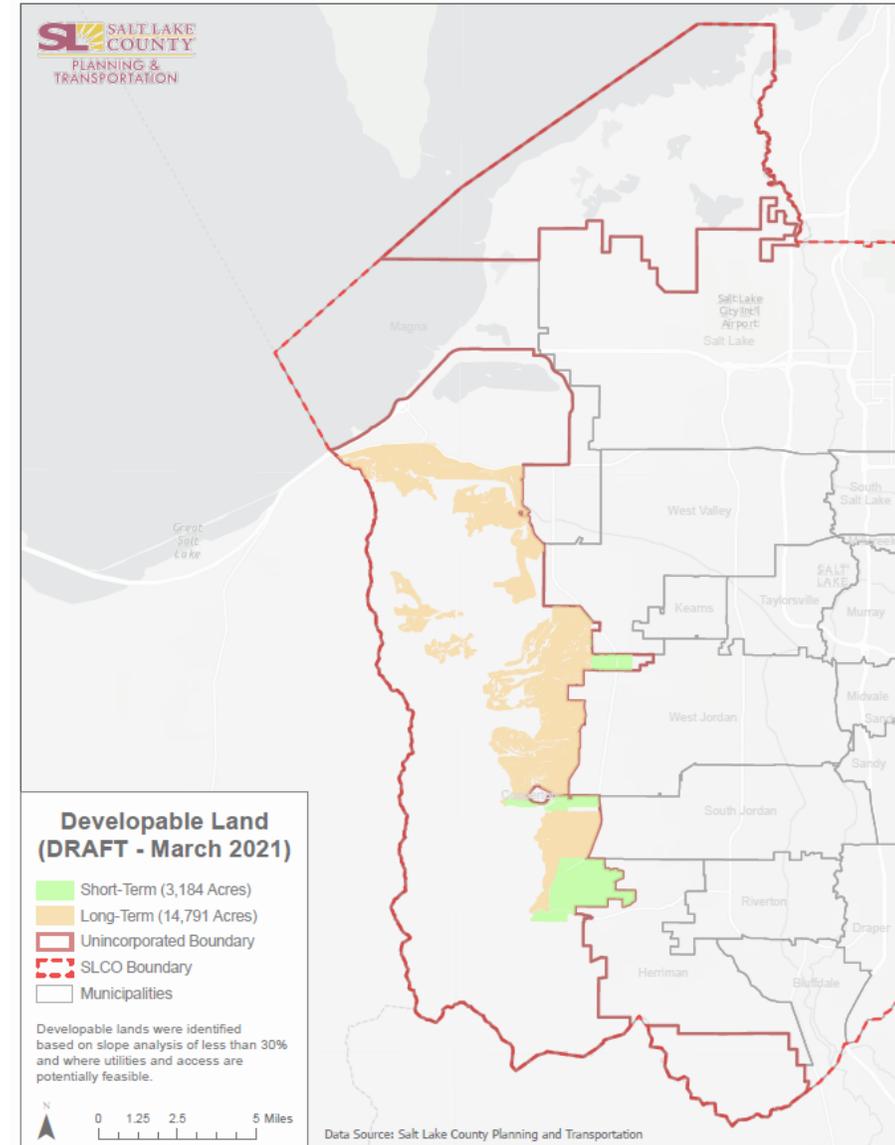
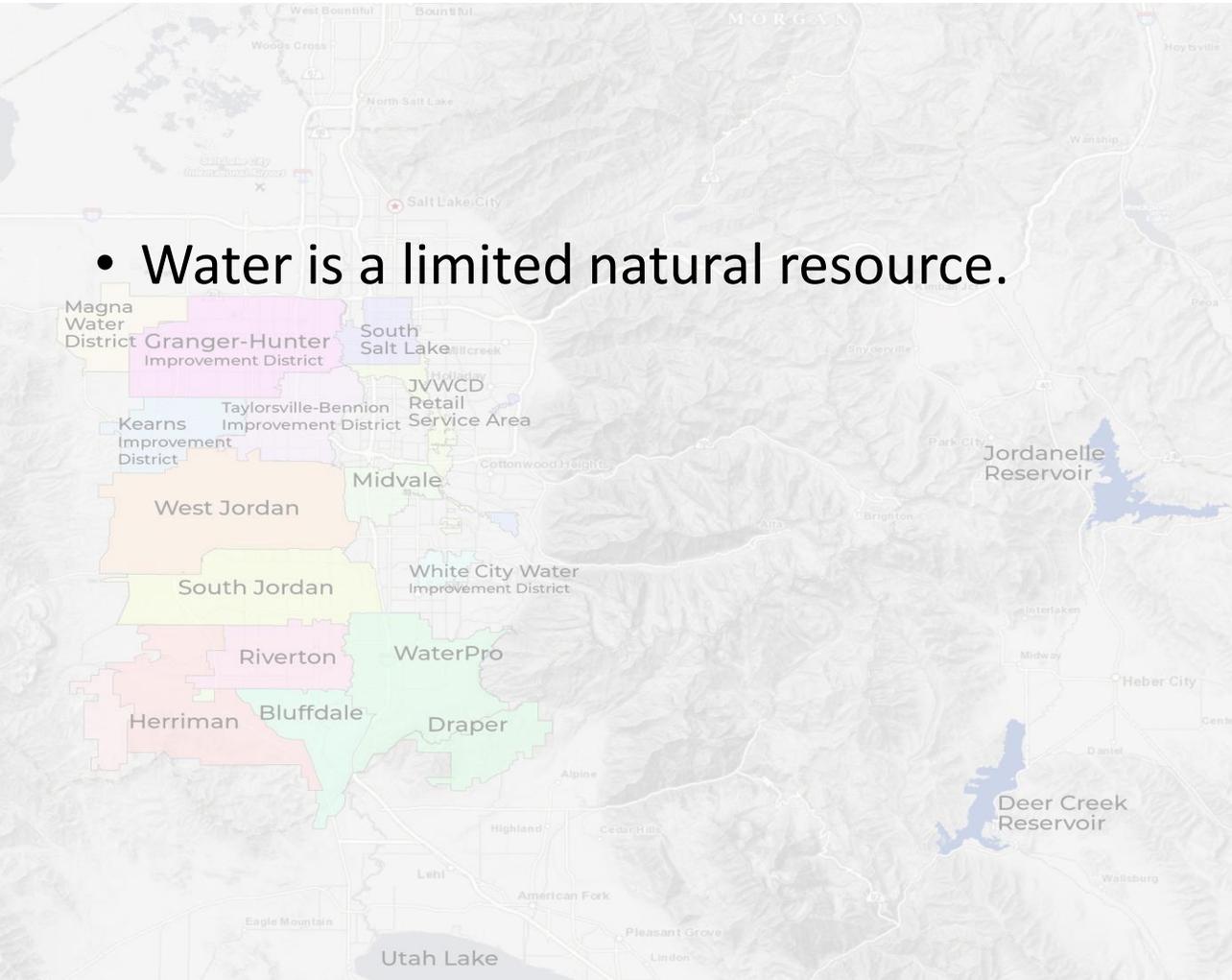
— Average Temperature 1948-2020 (June-Aug)

— • Linear (Average Annual Temperature (June-Aug))



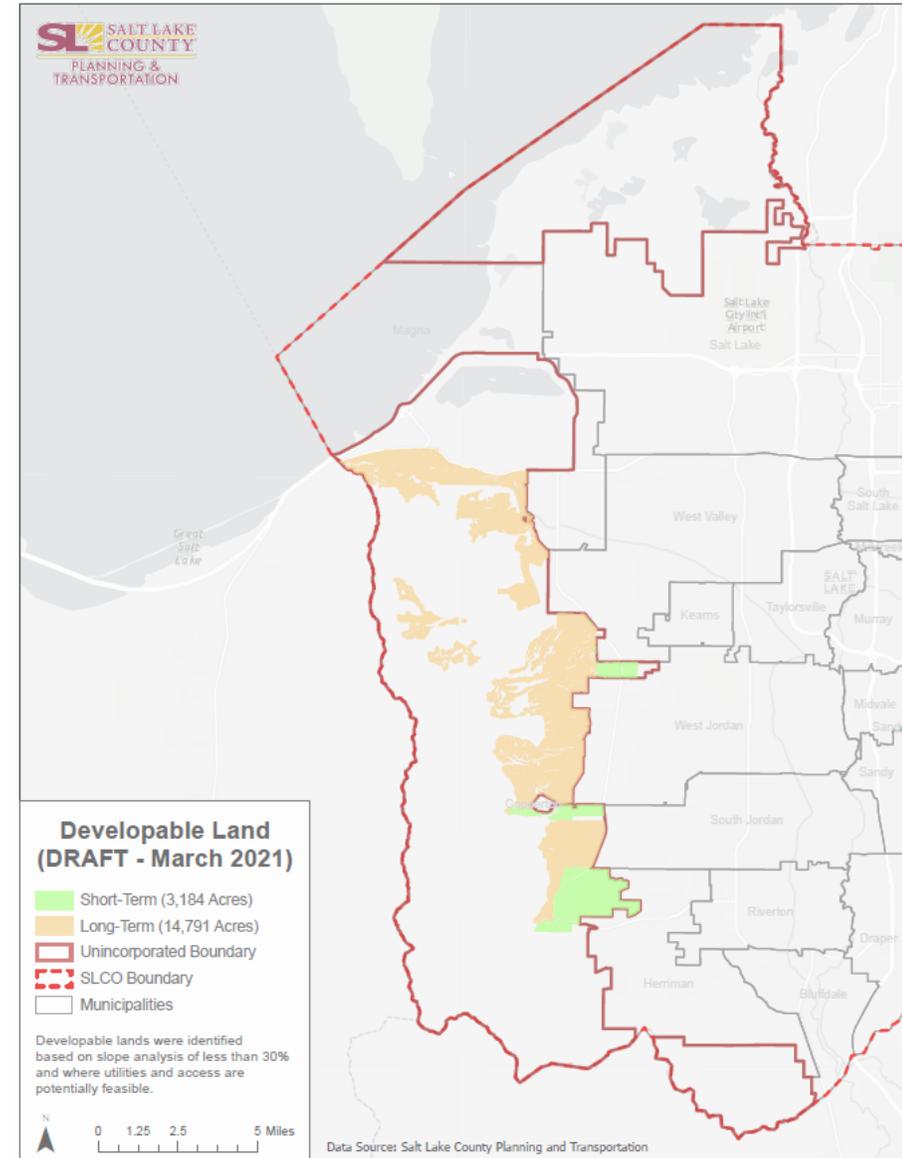
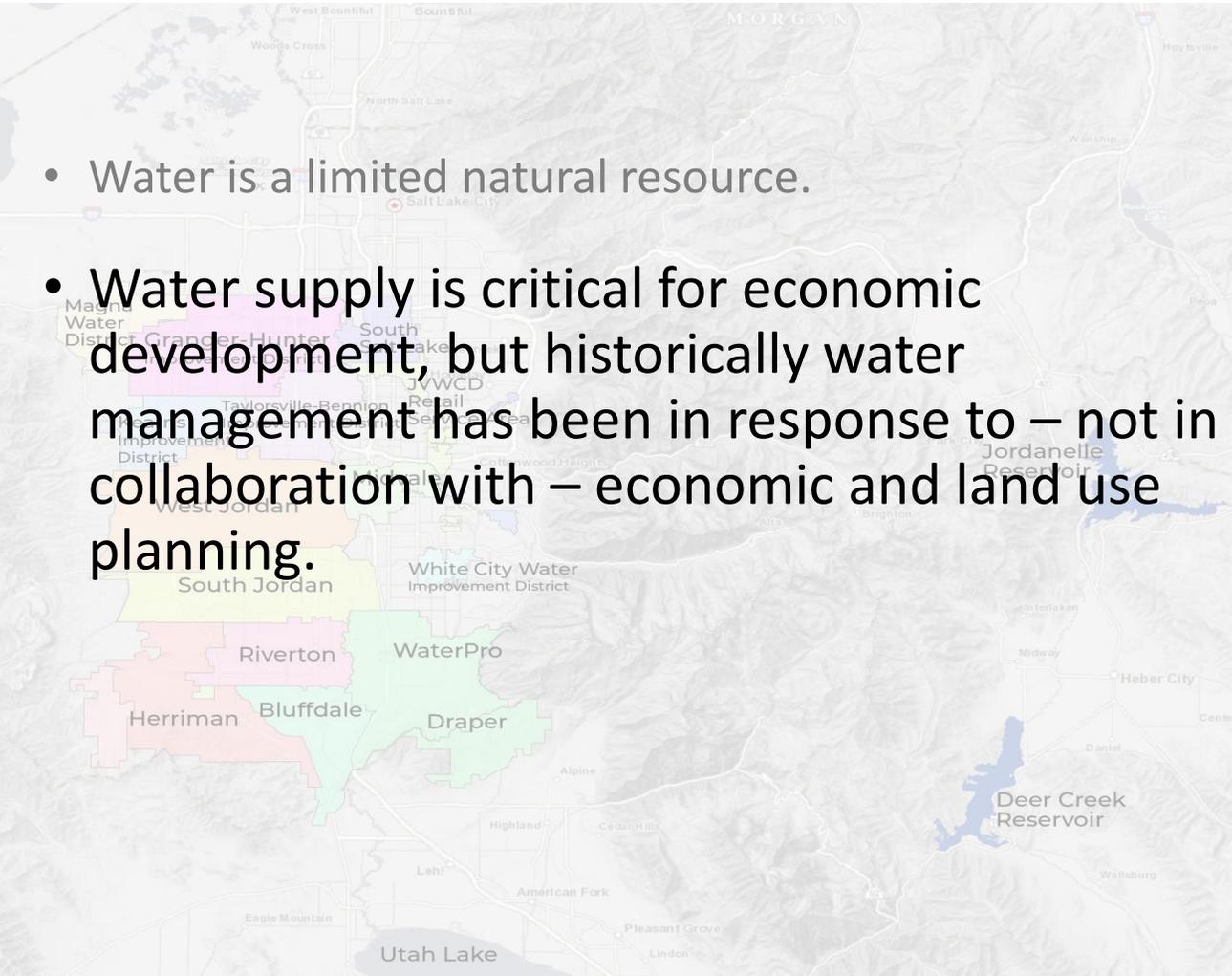
# Future Land Development

- Water is a limited natural resource.



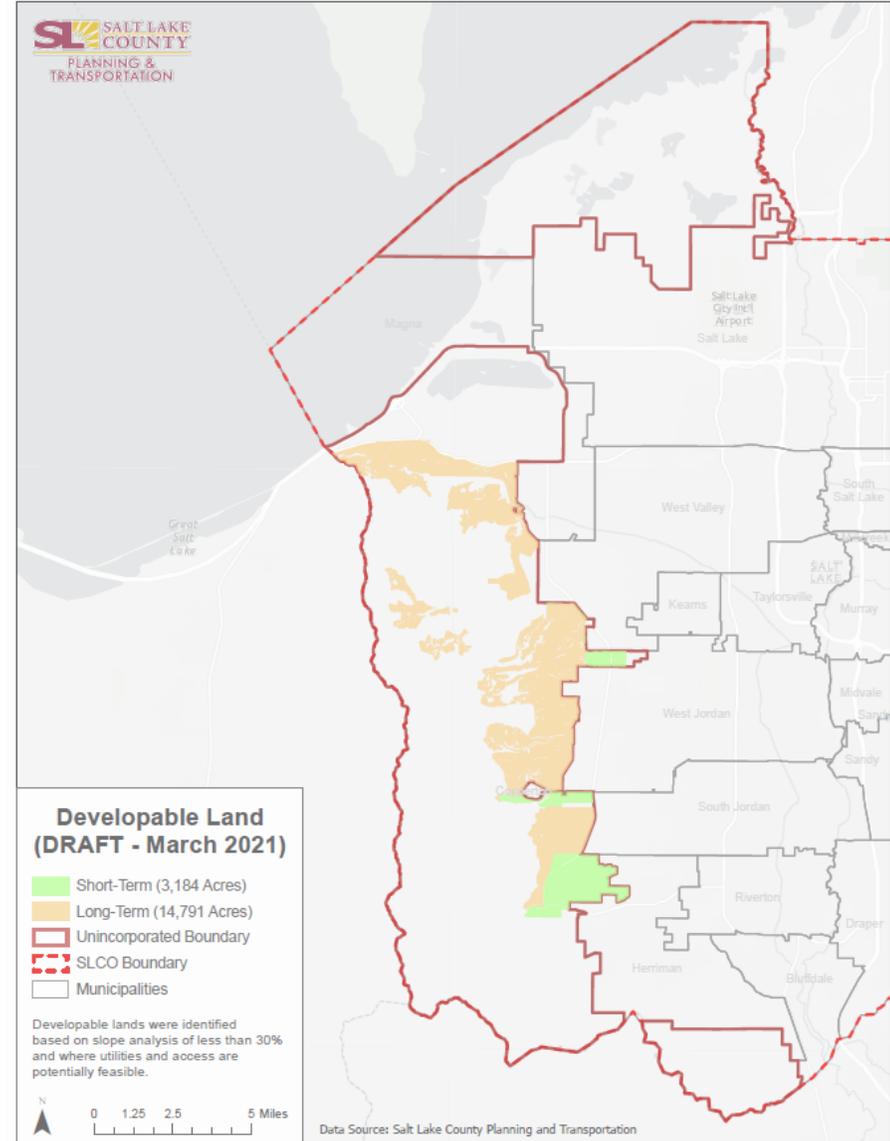
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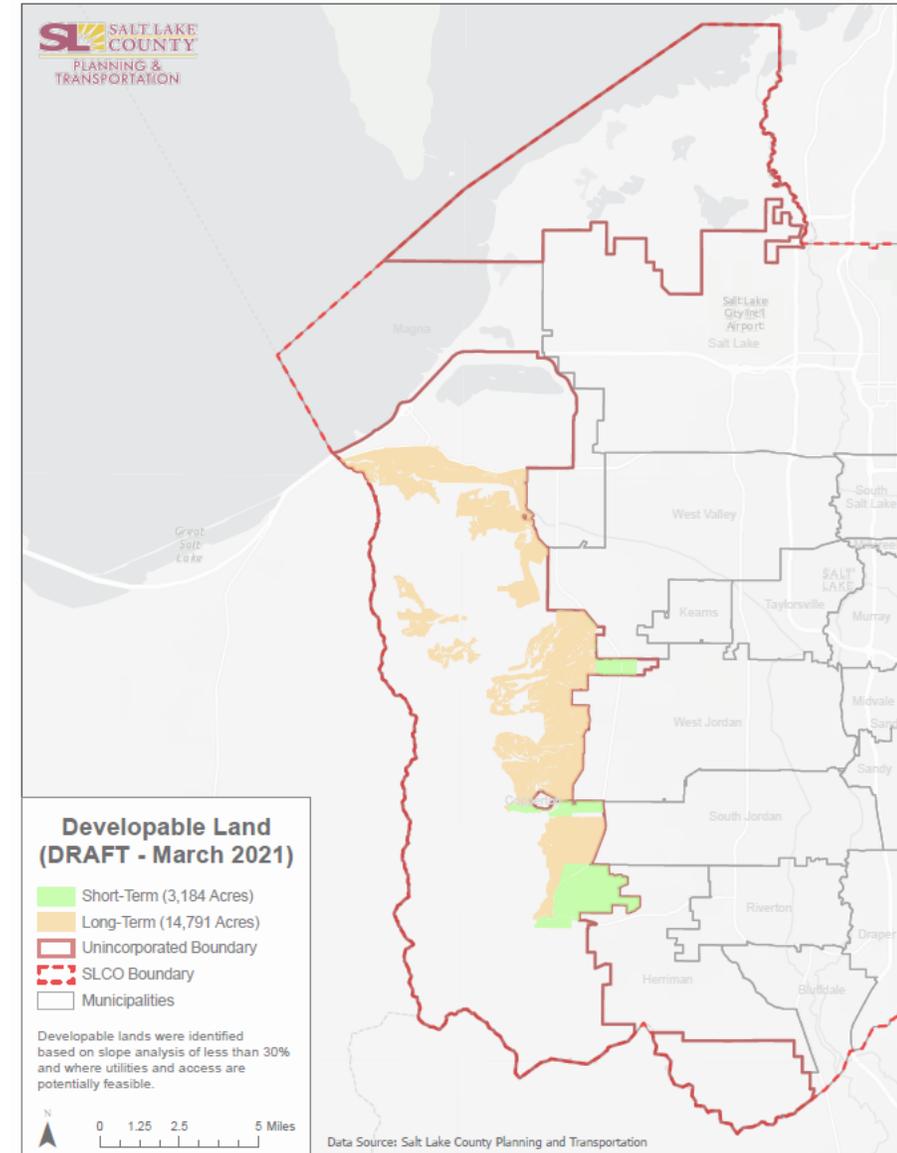
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- The way in which vacant lands are developed, will significantly influence the availability, costs, and resiliency of water supply in the future.

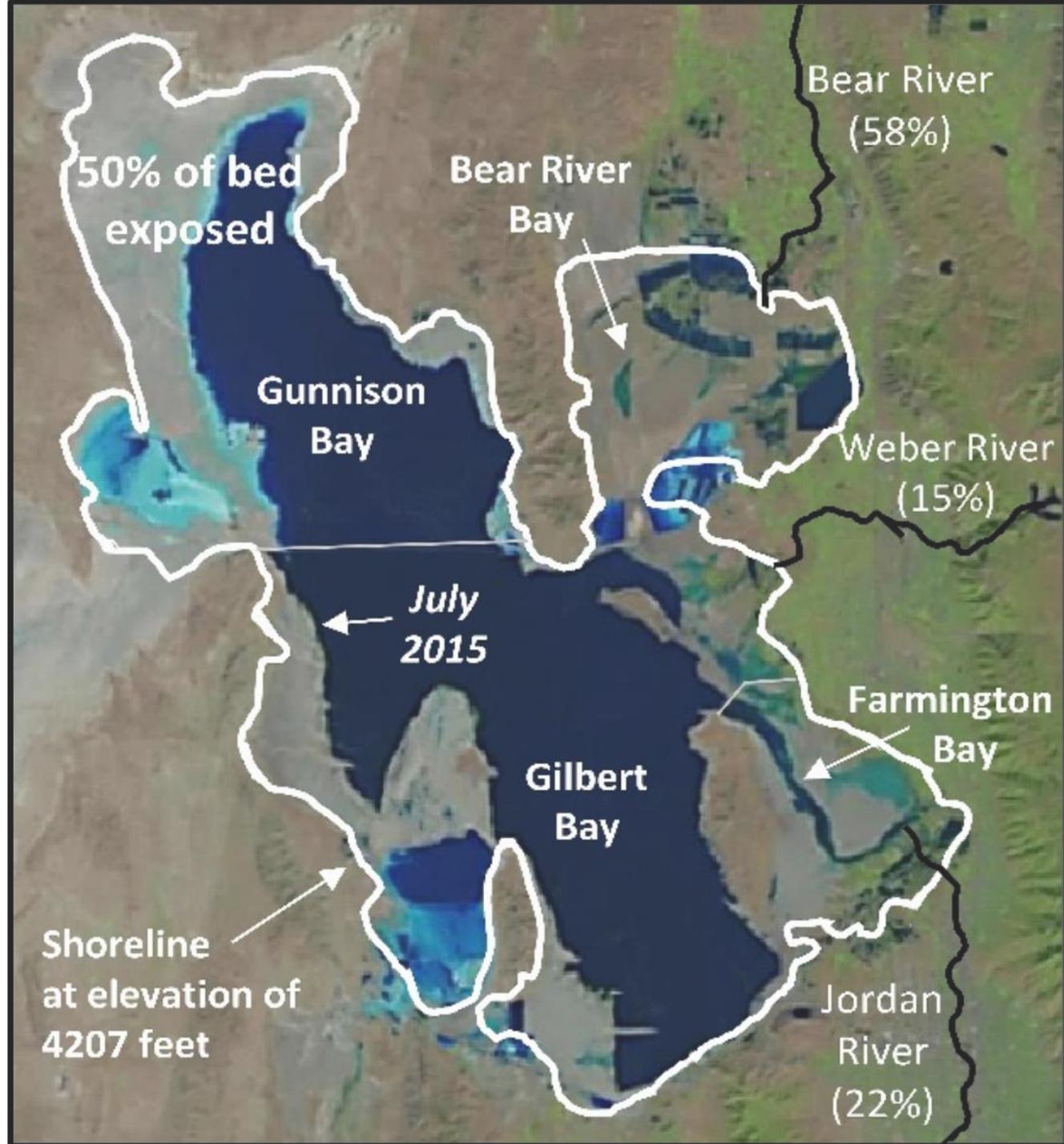


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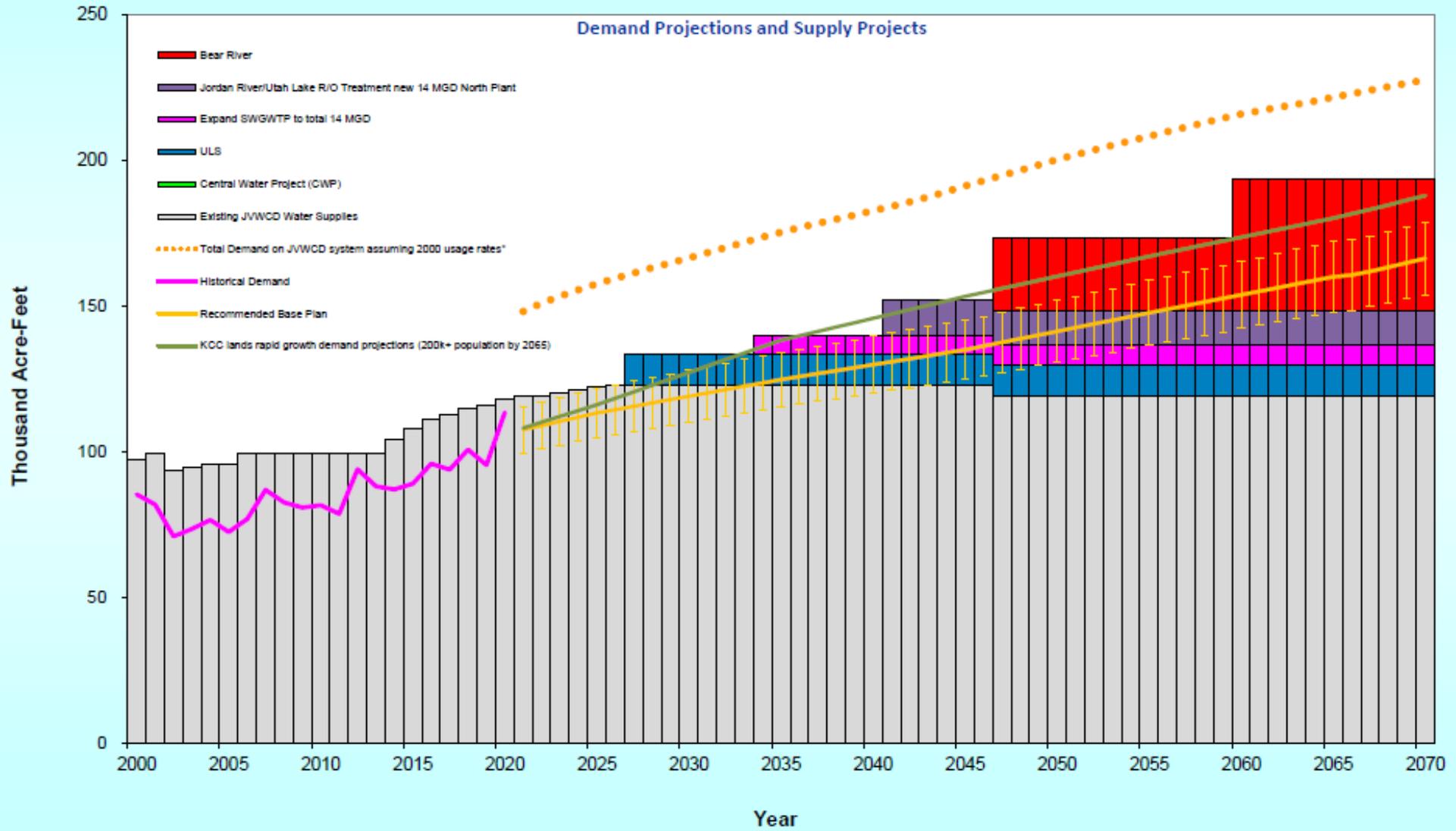
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- The way in which vacant lands are developed, will significantly influence the availability, costs, and resiliency of water supply in the future.
- Collaborating and partnering today will provide a more sustainable water supply to support a rapidly growing population, in spite of increasing temperatures.



The health of the Great Salt Lake ecosystem is a critical issue affecting water supply planning and development in Salt Lake County.



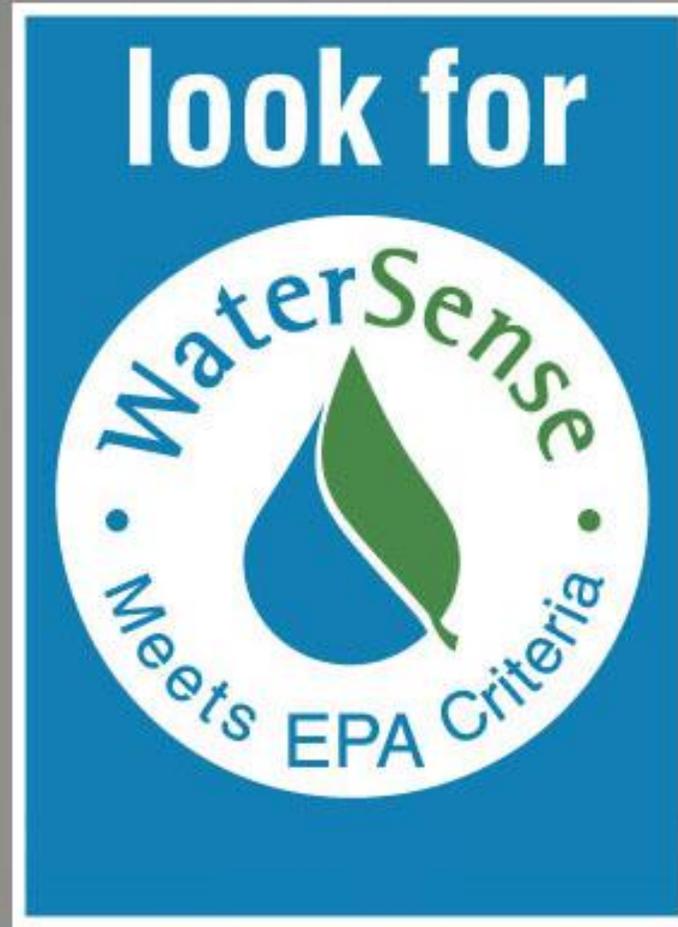
**Jordan Valley Water Conservancy District  
Drought Year Water Supply Plan using Prehistoric Data  
(Updated April 2021)**



# Jordan Valley Water Efficiency Standards

## Indoor Standards

It is recommended but not mandated that all indoor plumbing fixtures be WaterSense labeled (e.g. toilets, urinals, faucets, and showerheads).



# Residential Landscape Standards

- Applicable to front and side yards.
- Lawn is designed as an open space that does not exceed 35% of the total landscaped area.
- lawn is prohibited in park strips and other narrow areas less than 8' wide.
- Drip irrigation is used in planting beds.
- Exceptions to these standards can be made in certain small lot scenarios.



# Commercial Landscape Standards

- Lawn is less than 20% of the landscaped area (except for active recreation zones).
- Lawn is not used in areas narrower than 8 feet (park strips, parking lot islands, etc).
- Lawn is free from obstructions and is not used on steep slopes.
- Drip irrigation is used in planting beds.
- Plant materials create at least 50% living plant cover at maturity (recommended).
- New landscape projects are submitted to the municipality to ensure they meet water conservation requirements.
- Certain special purpose landscape areas may receive variances to the standards based on need (ex. stormwater management areas)



# Status of Adoption of Water Efficiency Standards

JVWCD's Water Efficiency Standards are comprehensive outdoor landscaping requirements intended for all new construction. The cities that have adopted these standards have shown leadership in planning for the future and building drought-resilient communities.

## Adopted:

**Herriman**

- **December 19, 2020**
- Adopted as City ordinance

**South Jordan**

- **May 4, 2021**
- Adopted as City ordinance

**West Jordan**

- **June 9, 2021**
- Adopted as City ordinance

**Retail System**

- **June 9, 2021**
- Adopted as JVWCD policy

## In Progress:

**Olympia Hills**

- Implemented as a development standard by Salt Lake County

**Bluffdale**

- New ordinance to be considered by City Council in July

**Draper**

- Drafting ordinance for consideration later in the year

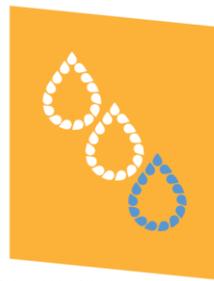


**JORDAN VALLEY WATER**  
CONSERVANCY DISTRICT  
Discussion/Questions



# Utah Water Savers

utahwatersavers.com



Apply today for a  
**FREE consultation or cash rebates!**

(Programs available throughout most of JWCD's service area)



Cash rebates for homeowners who purchase a smart controller for their irrigation system.



Cash rebates for homeowners who replace toilets that were installed before 1994.



Cash rebates for homeowners who convert grass park strips to water-efficient designs.



Free consultations for homeowners wanting to improve the water efficiency of their yard.



Cash rewards and landscape plan reviews for those who complete Localscapes projects.

## how do I APPLY?

Complete the online interest form at  
[JVWCD.ORG/LANDSCAPELEADERSHIPGRANT](http://JVWCD.ORG/LANDSCAPELEADERSHIPGRANT)

Or email the following information to  
[GRANTS@JVWCD.ORG](mailto:GRANTS@JVWCD.ORG):

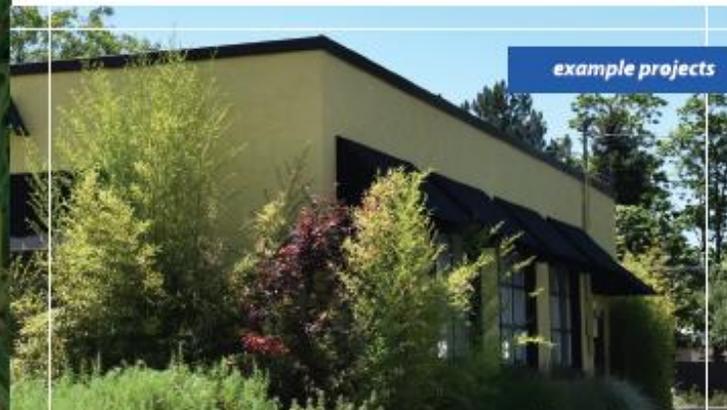
1. Applicant's contact information (name, phone, and email)
2. Project address and description
3. Estimated project start date and cost
4. Concept landscape plan (or detailed construction plans if available)
5. Estimated square footage (include breakdown of turf, planter bed, and hardscape areas)

### APPLICANT REQUIREMENTS:

- Recipient must be a commercial business, builder/developer, institution, or HOA.
- Project must be located within the JWCD service area.
- Project must provide quantifiable water savings.
- Project must have high promotional, marketing, or press appeal.
- Landscape changes must be voluntary and not for the purpose of complying with a governmental code or policy.



**JORDAN VALLEY WATER**  
CONSERVANCY DISTRICT  
8215 South 1300 West - West Jordan, UT 84088  
801-565-4300



example projects

# Landscape LEADERSHIP grants

FOR BUILDERS · DEVELOPERS  
COMMERCIAL BUSINESSES AND INSTITUTIONS  
& HOMEOWNERS ASSOCIATIONS

*Funding for prominent,  
water-efficient landscaping projects.*



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# Strategic WATER MANAGEMENT

Strategic Water Management is a joint effort between JWCD and eligible commercial, industrial, institutional, and multi-family water users to both save water and meet the unique needs of program participants.

The program offers:

- Water use assessments
- Custom incentives



- Irrigation system upgrades (ex. smart central irrigation controllers, drip conversions, zone adjustments)
- Indoor fixture replacement (ex. toilets, urinals, faucets, showerheads)
- Replacement of water-cooled equipment with new air-cooled equipment (ex. ice machines)
- Enhanced or added water reclamation systems
- Elimination of water intensive industrial processes
- Boiler and steam system upgrades
- Air conditioning condensate capture and reuse
- Cooling tower modifications
- Industrial laundry equipment upgrades
- More efficient reverse osmosis units
- Car wash system and equipment upgrades
- Laboratory and medical equipment upgrades

# Conservation Garden Park

(8275 S. 1300 W. West Jordan, UT)



- With more than nine acres of exhibits, pathways and Utah-friendly plants, Conservation Garden Park is Salt Lake County's premier destination for information about water-efficient landscaping. Owned and operated by JVVCD, the Garden is open year-round with free admission to all patrons.
- Classes, tours, educational exhibits, field trips, community events, plant database, and online education.