



# Landscape Water Best Uses

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Conservation Programs  
Weber Basin Water Conservancy District





# Why the best management of water in landscapes matters



# GREAT SALT LAKE ELEVATION



RECORD HIGH

**4211.65 FEET**

AVERAGE

**4202.2 FEET**

NEW RECORD LOW CURRENT

**4191.3 FEET**

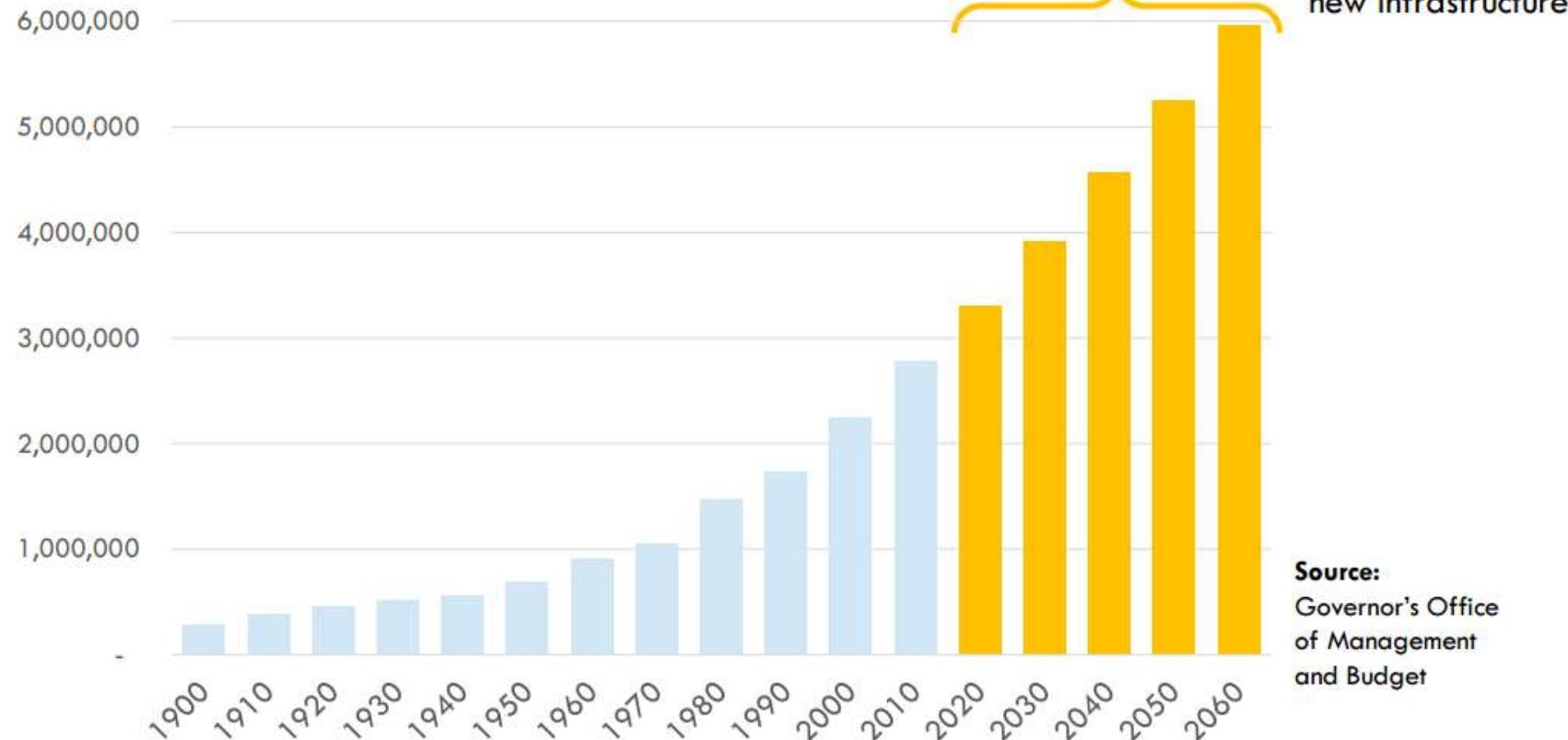
# Weber Basin's Service Area



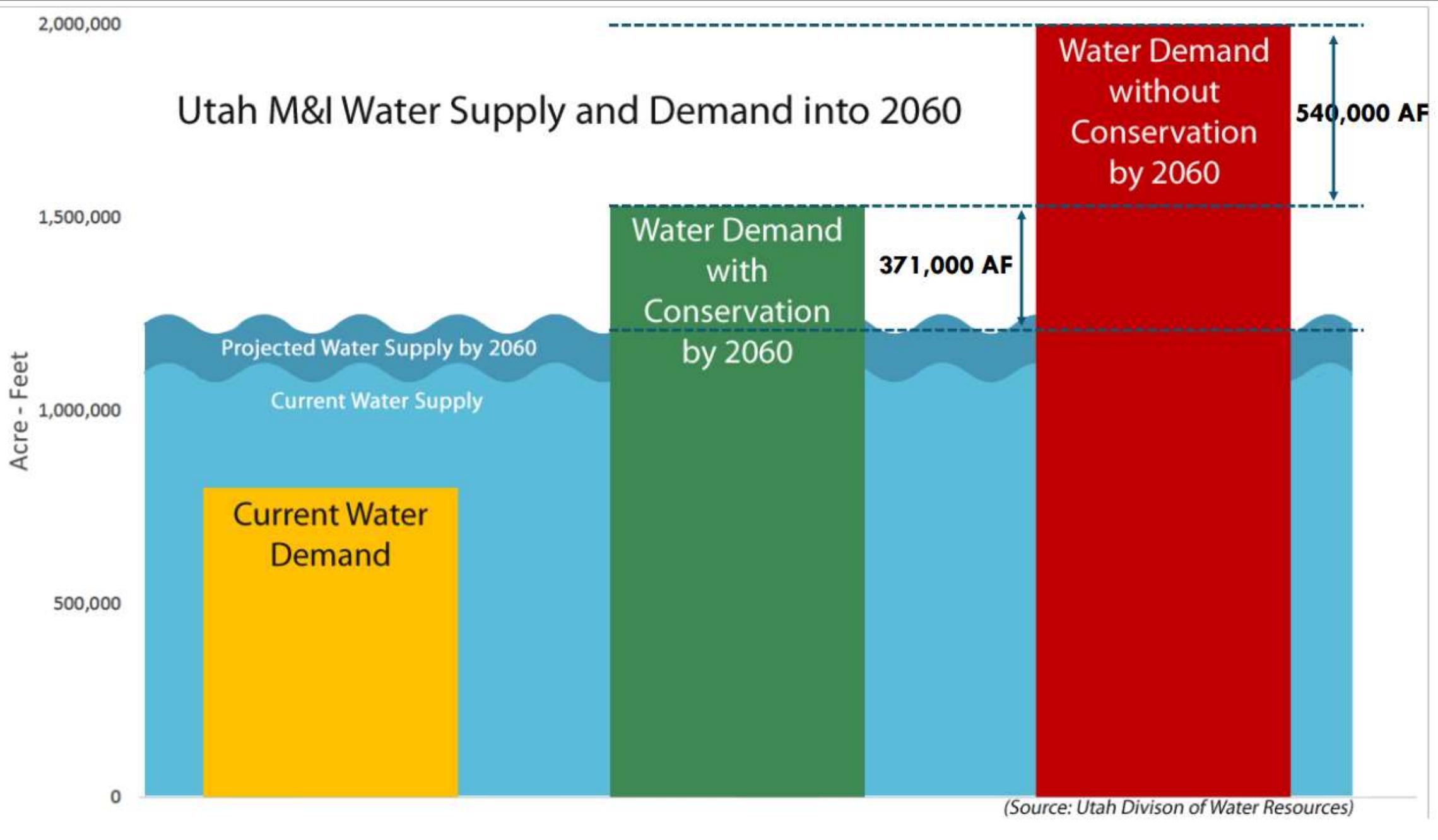
# Why is water conservation/management important?



## UTAH'S POPULATION GROWTH



Source:  
Governor's Office  
of Management  
and Budget



# CONSERVATION GOAL

- 25% per capita reduction by 2025
- 35% per capita reduction by 2050

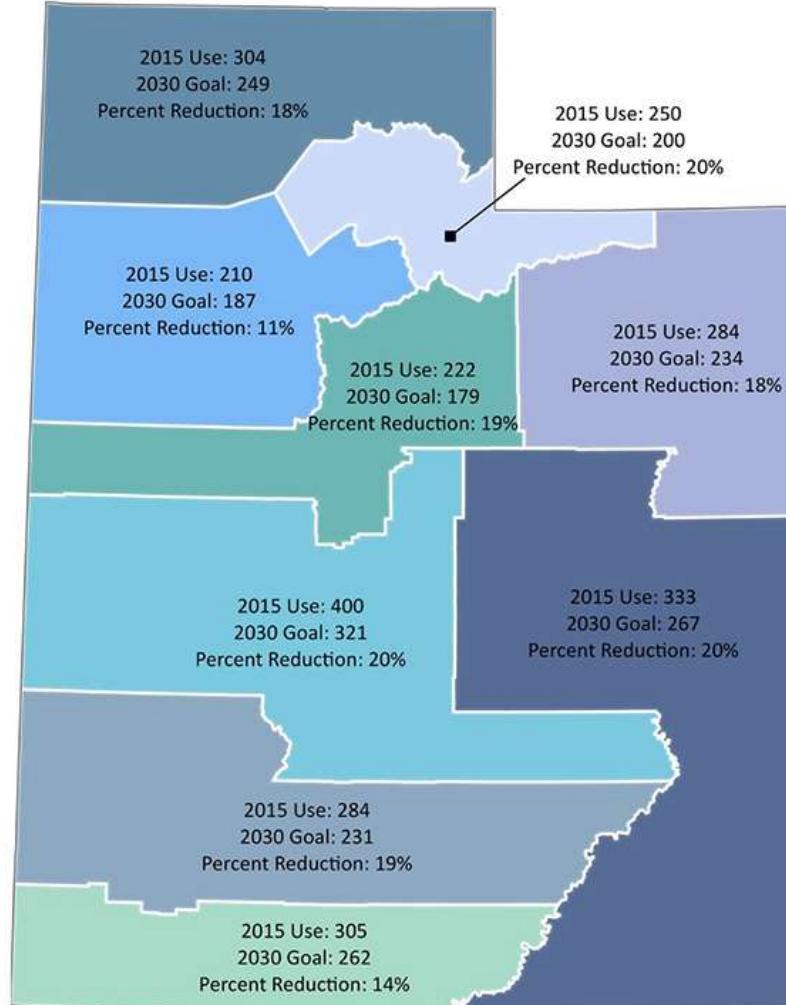
Conservation Inputs	% Reduction Required
Indoor Conservation	10.5%
Potable Outdoor Conservation	21.1%
Secondary Conservation	42.1%



# Utah's Regional Conservation Goals



## M&I Water Conservation Regions 2015 Use Vs 2030 Goals



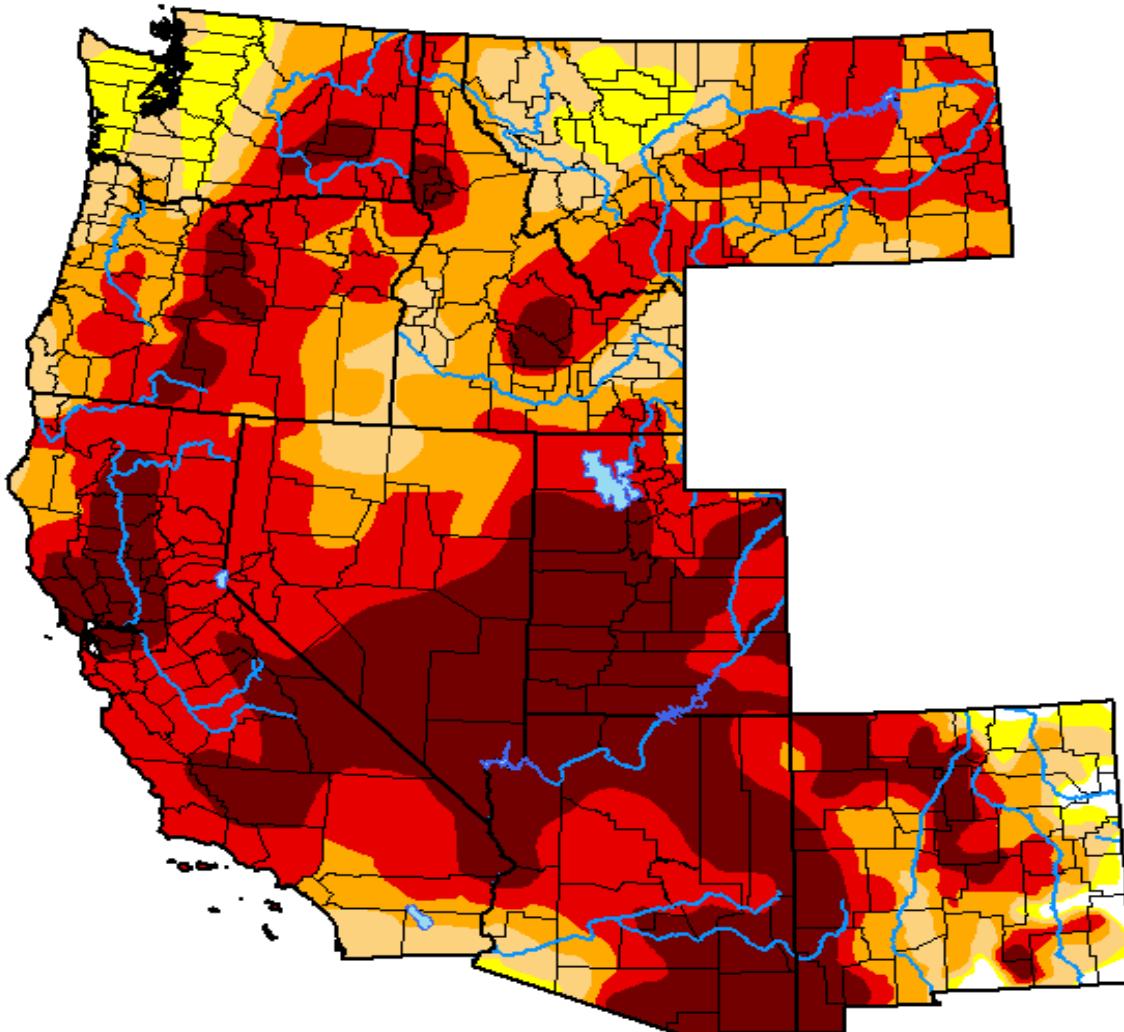
A regional approach allows the goals to be tailored for nine different regions and takes into account climate, elevation, and each region's characteristics. Note: Use is measured in gallons per capita per day.

# U.S. Drought Monitor West

July 13, 2021

(Released Thursday, Jul. 15, 2021)

Valid 8 a.m. EDT



## Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>*

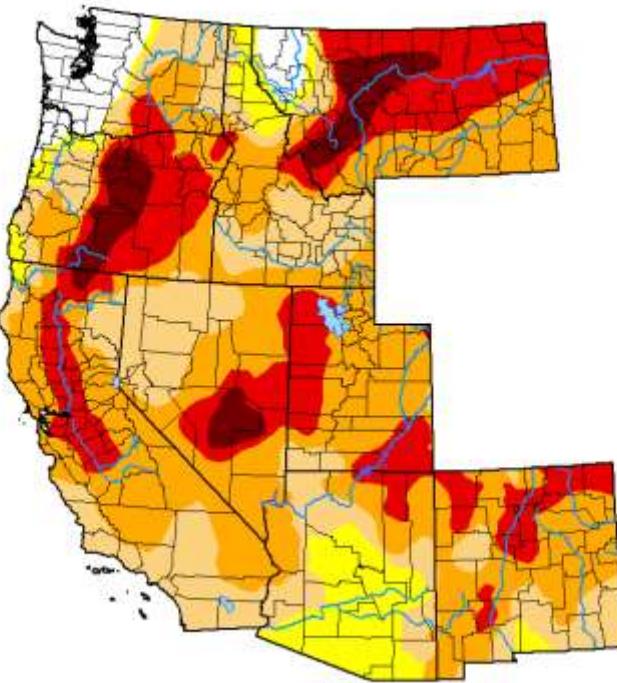
## Author:

Adam Hartman  
NOAA/NWS/NCEP/CPC



**droughtmonitor.unl.edu**

January 4, 2022

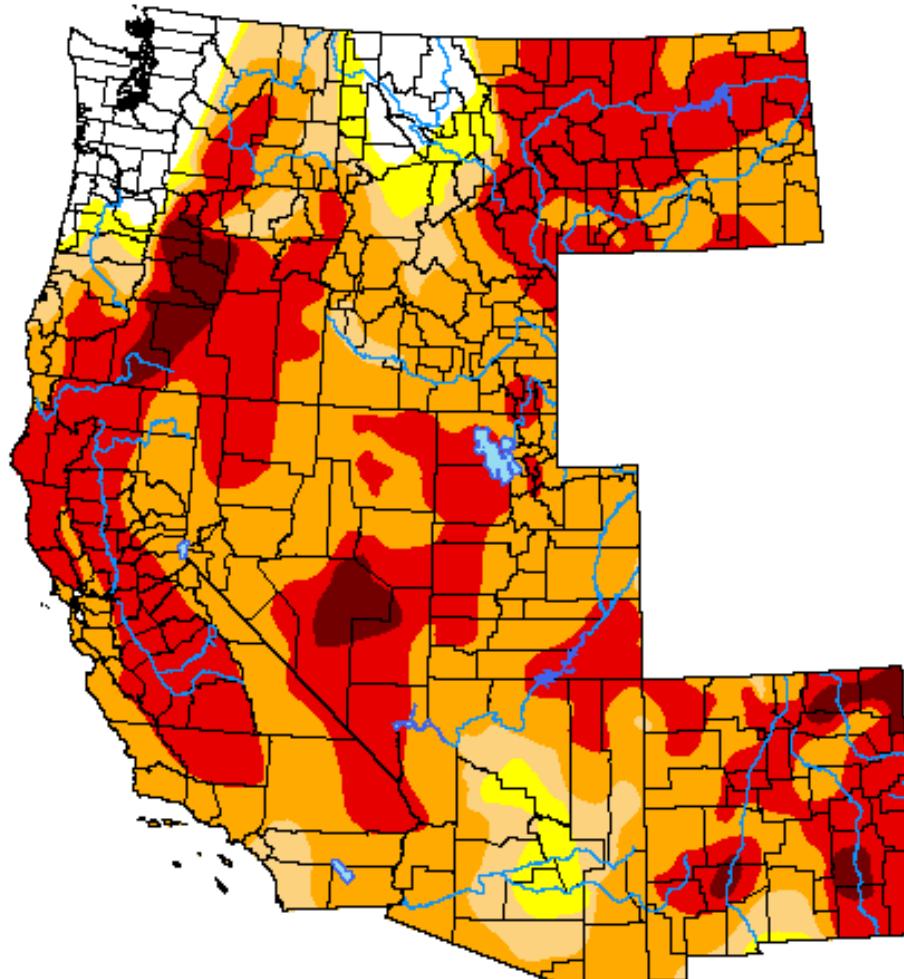


## U.S. Drought Monitor West

April 12, 2022

(Released Thursday, Apr. 14, 2022)

Valid 8 a.m. EDT



### Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

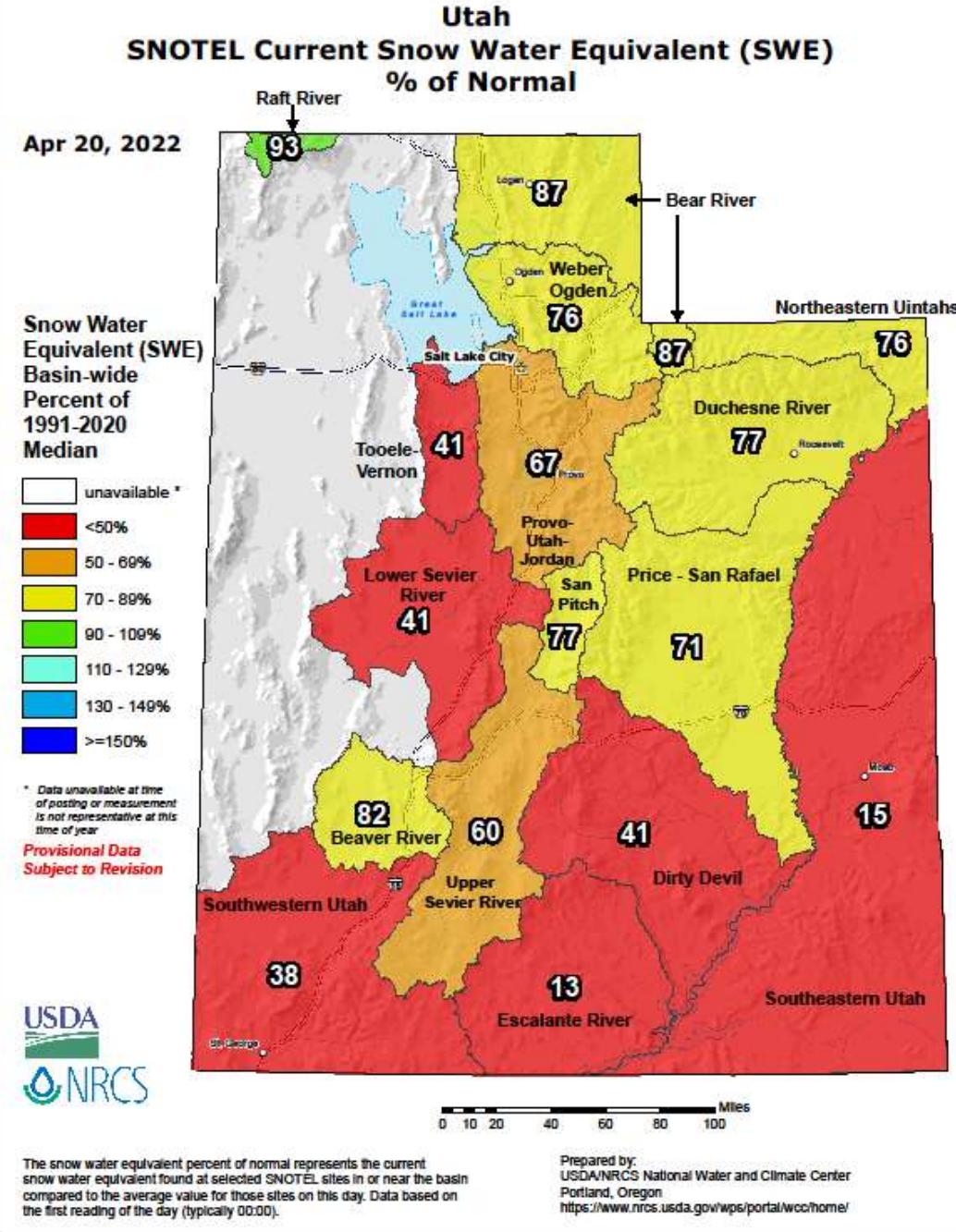
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### Author:

Richard Tinker  
CPC/NOAA/NWS/NCEP



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

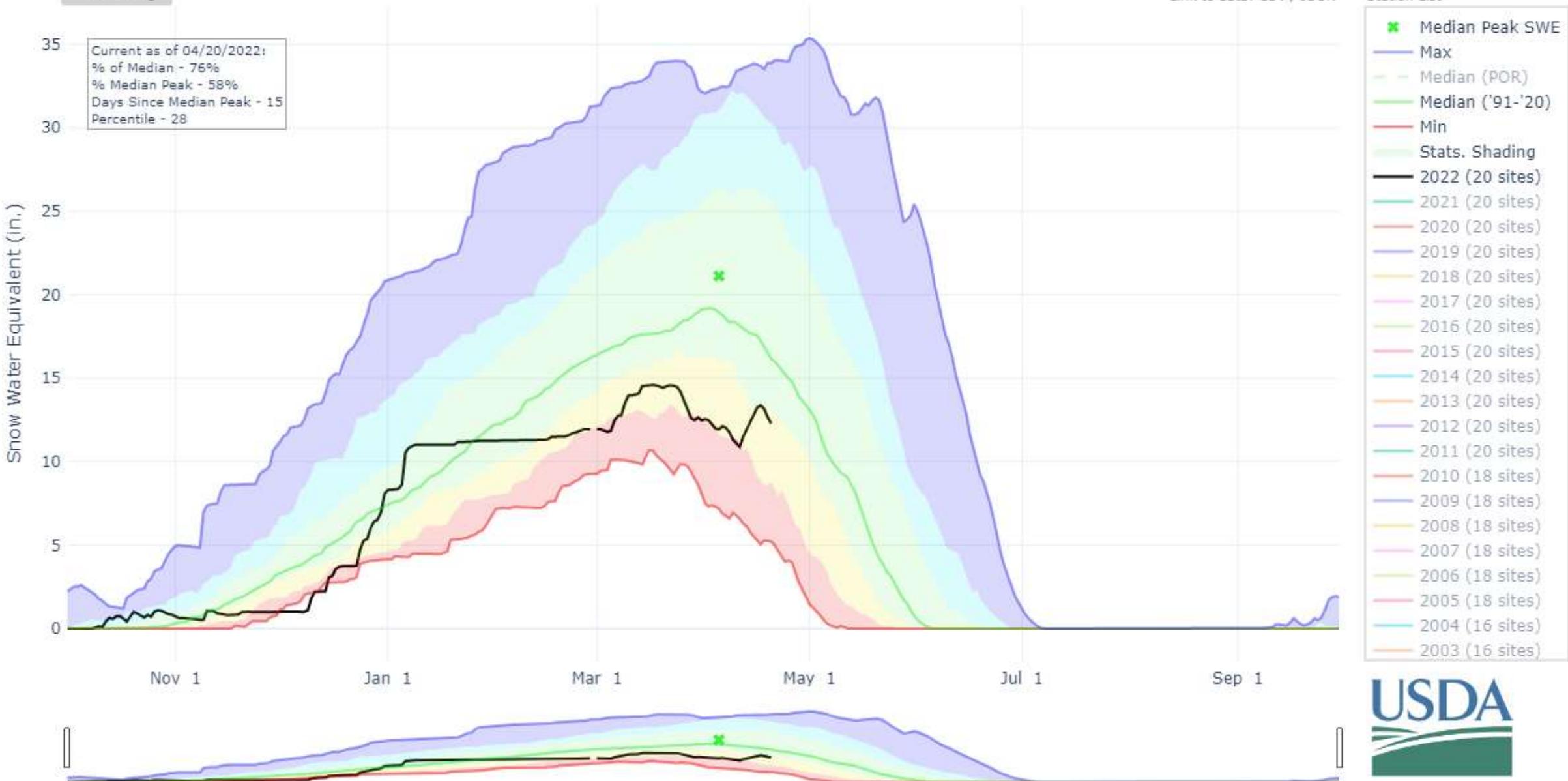


## SNOW WATER EQUIVALENT IN WEBER-OGDEN

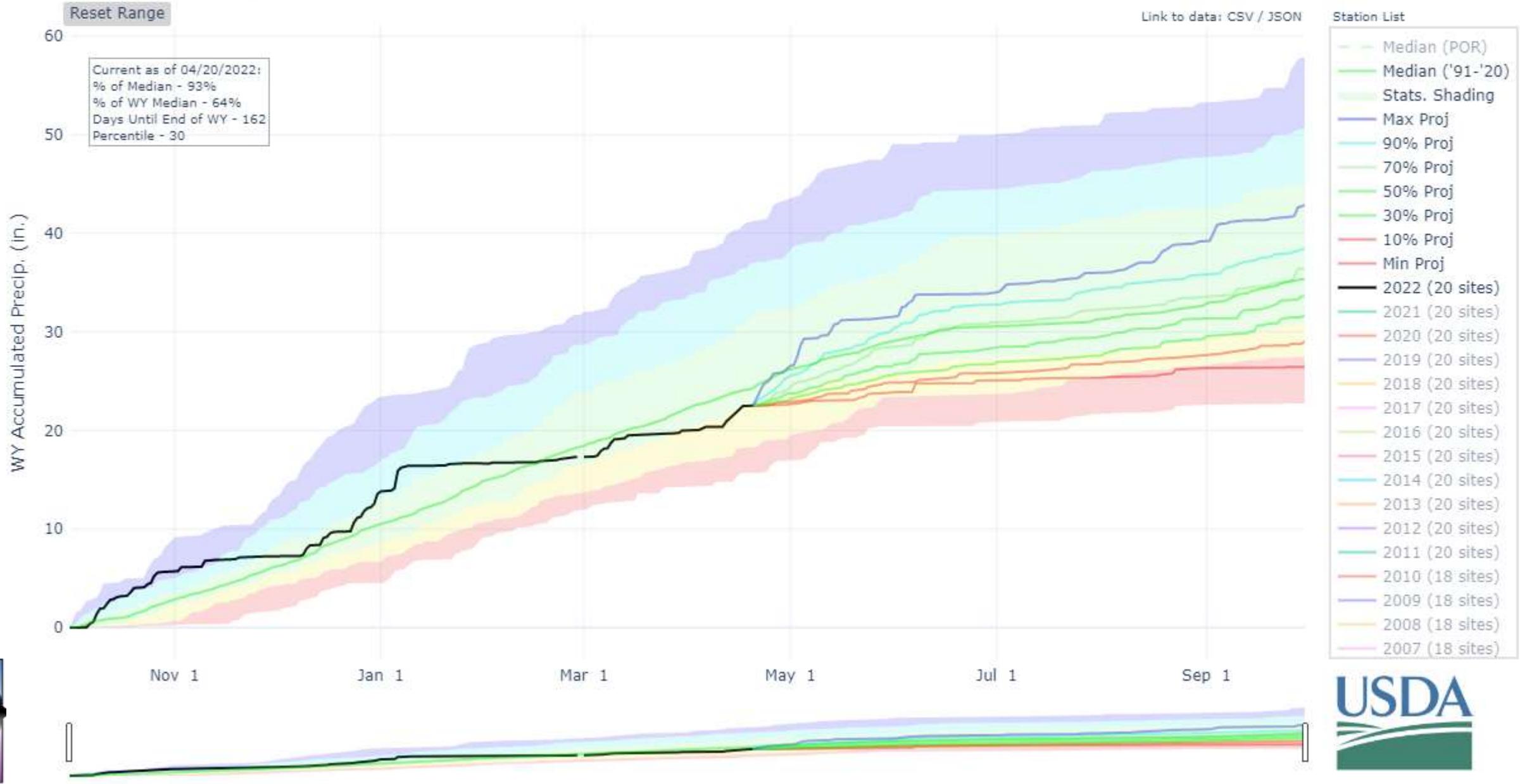
Reset Range

Link to data: [CSV](#) / [JSON](#)

Station List



## PRECIPITATION PROJECTIONS IN WEBER-OGDEN

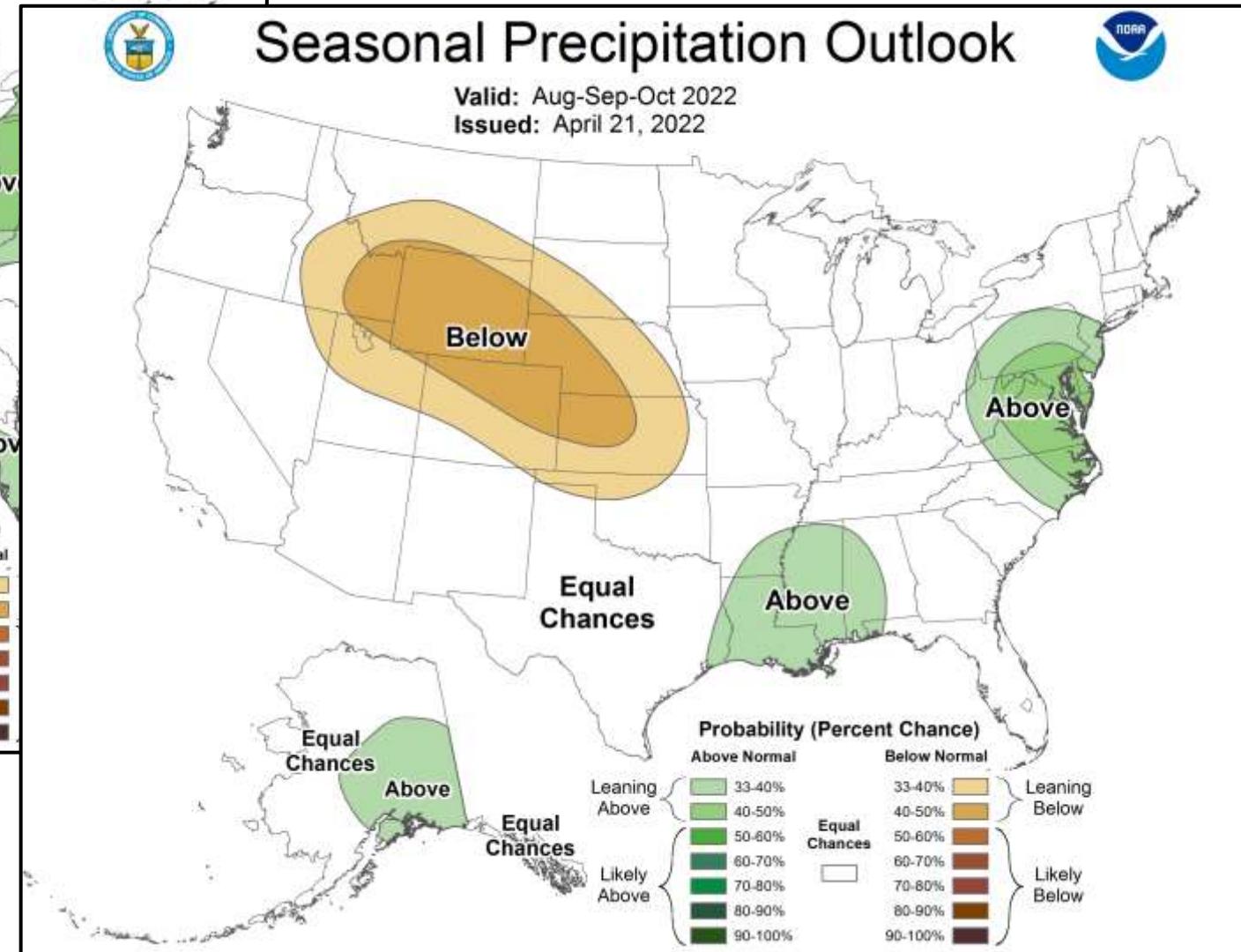
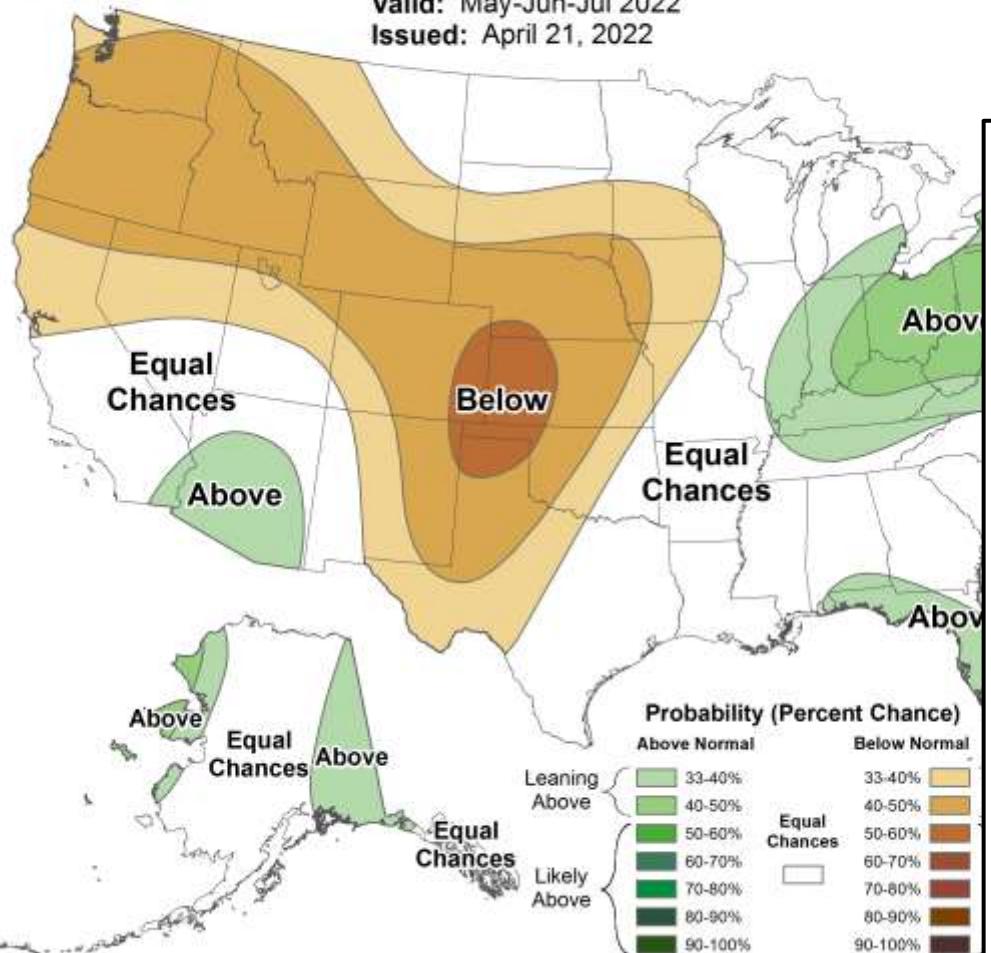




# Seasonal Precipitation Outlook



Valid: May-Jun-Jul 2022  
Issued: April 21, 2022







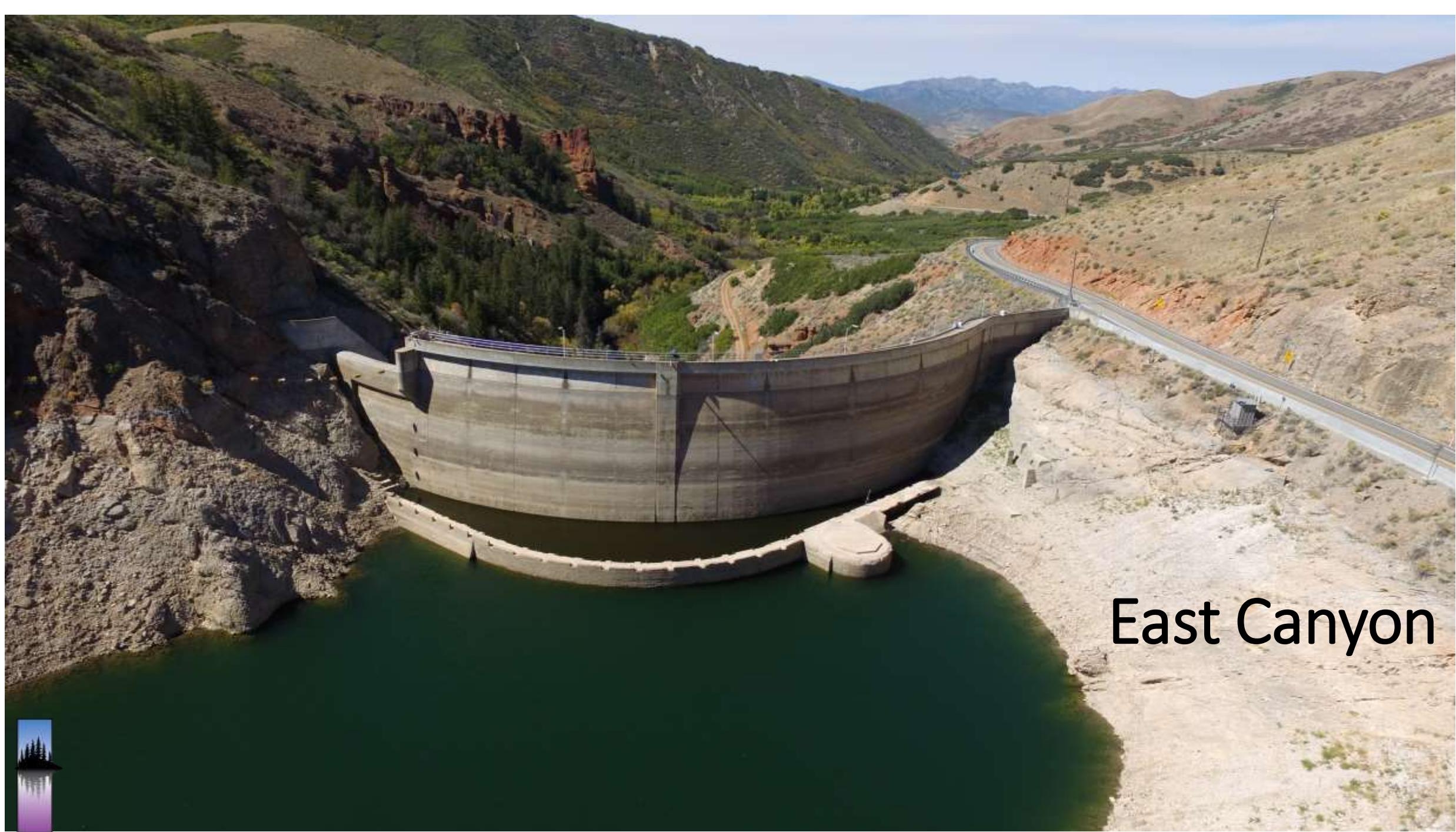
Echo





Echo





**East Canyon**



Rockport



# Pineview



# Local Water Uses/ Priorities

- Municipal (potable water for all indoor uses)- Life sustaining
- Agriculture -Food supply/ Economics
- Industrial and Manufacturing
- Environment/Wildlife/Recreation with normal in stream flows.
- Landscapes- Aesthetics, Value, Function, Etc.



# Commercial or industrial



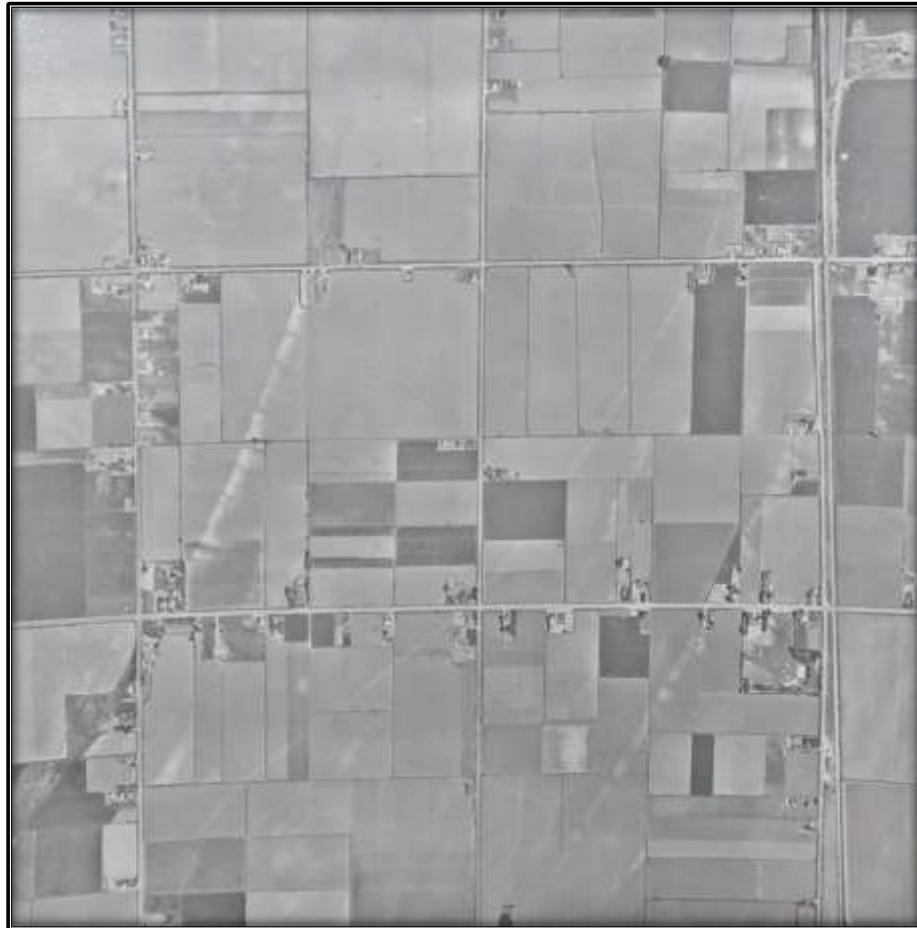
# Agriculture







# Clinton Utah



1958



2019

# Landscape Water Use



# Examples of Water Waste





# Water, Water, Everywhere



# “Zero-scape” or Xeriscape





# Examples of Water-Efficient Landscapes





















# So Why Does it Matter. Who Cares?

- Water use issues on the rise
- For Utah, population growth will create additional water demands
- Water users, site managers (landscapers) need to take the initiative and be proactive not reactive in taking care of this resource.
- You may not pay the bill but the industry may be legislated into doing things that you otherwise don't want if we are not proactive in bringing solutions and good management practices into everyday work.
- *Improving outdoor irrigation will achieve the greatest water savings in our current water situation. All other conservation practices are good, and are still encouraged but landscape irrigation has greatest potential for efficiency and over all water use reductions.*



# Who Should Care about water efficiency in the landscape?

- Landscape/irrigation contractors
- Municipal planners
- Water system managers
- All water users (res. and com.)
- Our society as a whole needs to think more about water resources
  - use and value
- Sprinkler system design, physical installation and operation should not be completely left to “whatever” mindset. Things have to improve and can improve while keeping nice landscapes.



A need to do  
better than this



# Smart Technology still needs user input

Smart control will not fix poor design and requires smart input



# Water-Efficient Landscaping

Principles to help achieve water efficiency and beauty

1. Planning and Design
2. Proper Soil Preparation
3. Plant Selection- The right plant for the right place
4. Practical Turf Areas (not fence to fence lawn as default)
5. Use Mulch in all Planter Areas
6. Efficient Irrigation- Hydrozones, proper products, proper scheduling
7. Keep it Maintained Properly

# Garden Programs: Localscapes



## Landscape Spectrum

### Localscapes Range

Traditional  
Lawn-Dominant  
Landscape



Yard typical to many Utahns



Moderate approach advocated by Localscapes

“Zeroscape”



Yard type many Utahns are  
afraid they'll be told to have

# The Localscapes House

Localscapes  
Localscapes.com





Details and planning matter

Localscapes  
Localscapes.com

130,000 gallon annual water savings



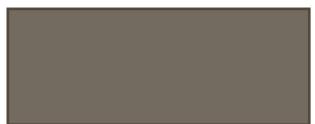
Typical @ 40" per season= **196,250** Gal. Vs. Designed for Utah Localandscape = **64,766** Gal.



# Localscapes House Plan View



1. Central Open Shape



2. Gathering Areas



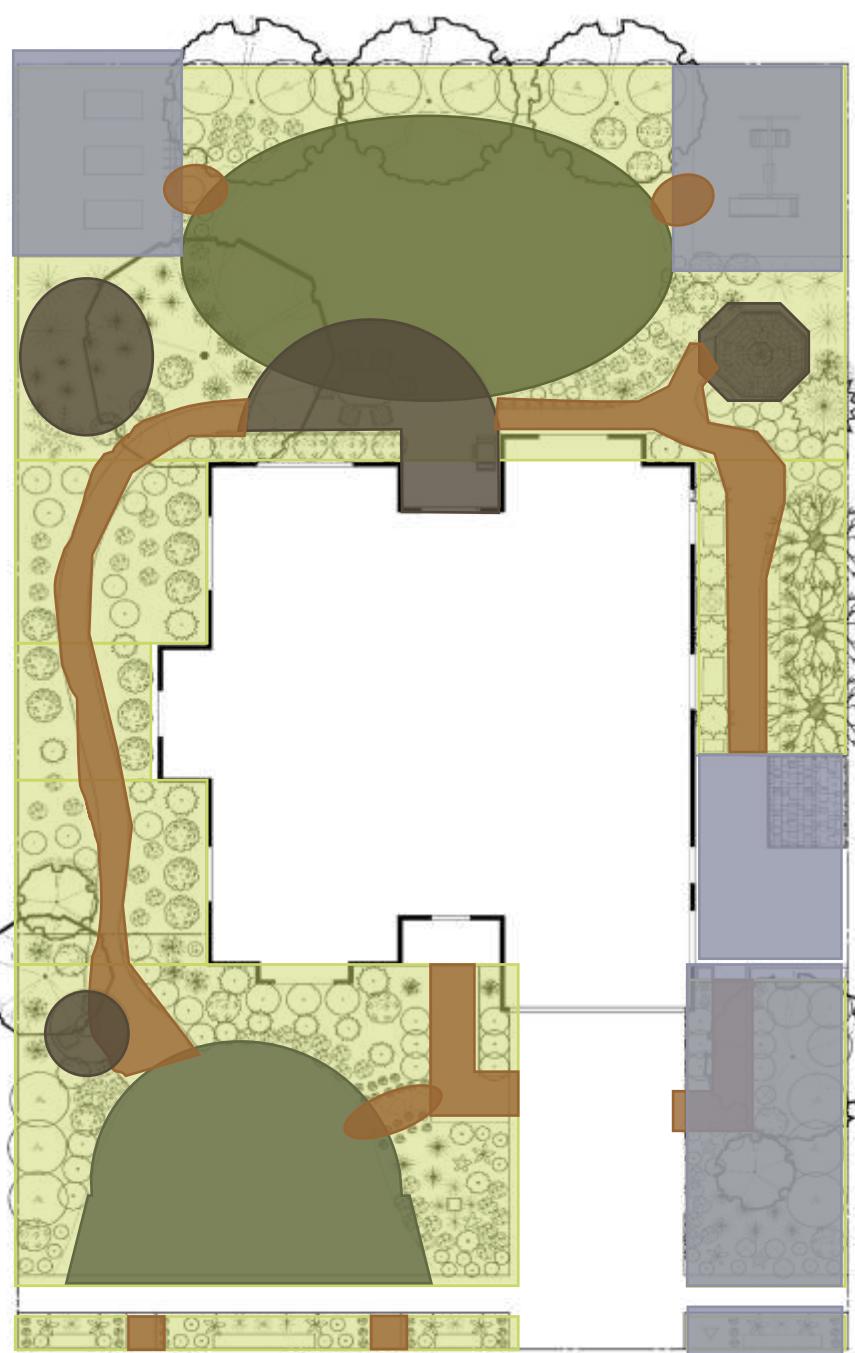
3. Activity Zones



4. Paths



5. Plantings







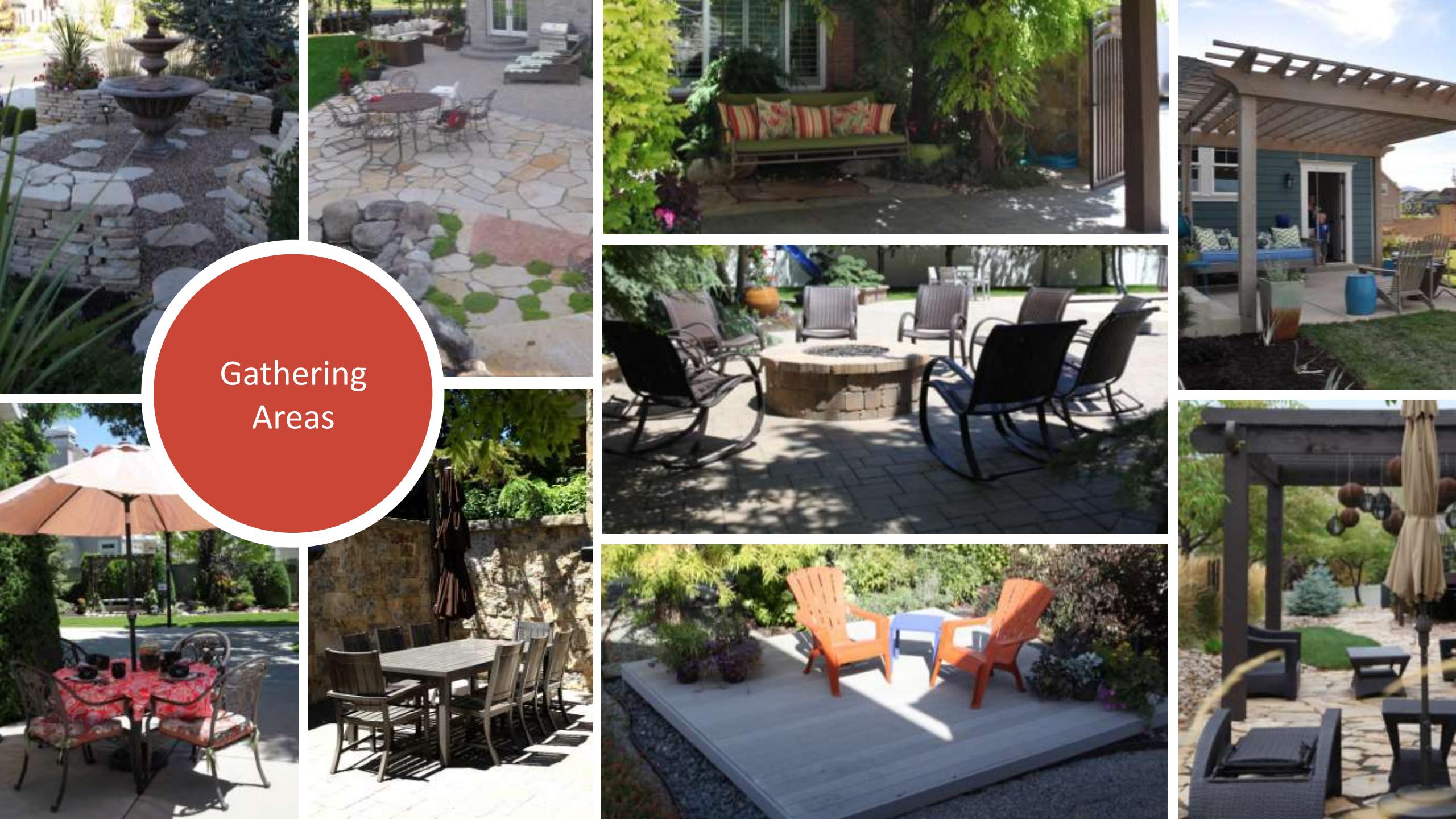
# Reason We Love Lawn

(That you may not realize)

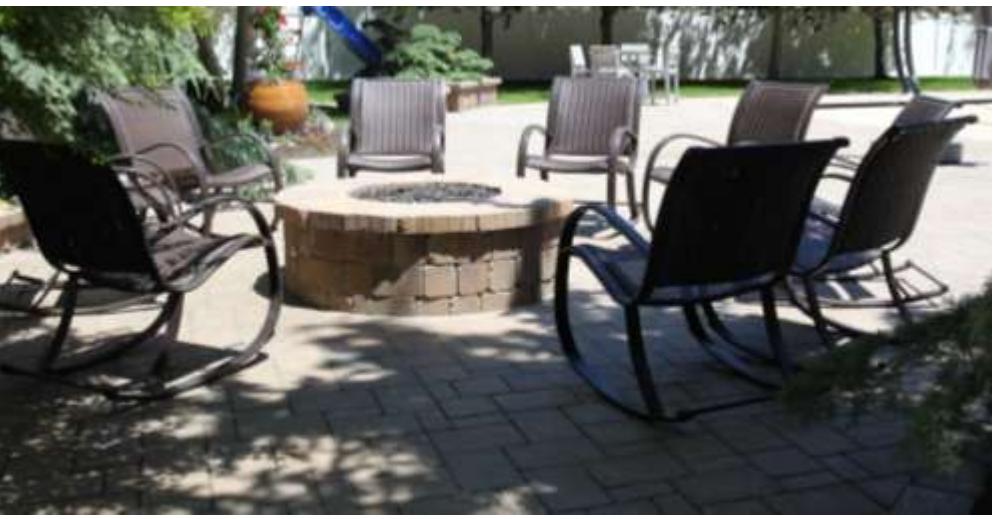
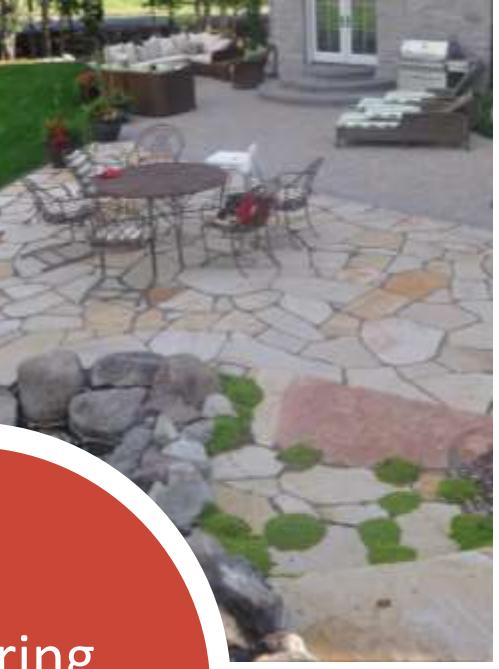


Landscape installation by Aposhian Landscaping  
Design by Conservation Garden Park staff

- Sea of Green rests the eye between busier plantings.
- Conveys calm.
- Visually demonstrates the power of positive/negative space.
- **Organizes space.** When lawn is a defined shape, everything else APPEARS “cleaner”.



## Gathering Areas





**Localscapes**  
Localscapes.com

# Gathering Area Examples

## Front yard gathering spaces



## Back yard gathering spaces



Landscape Design by R. Michael Kelly Consultants  
Installation by Rollins Landscaping



# Activity Zone Examples



Faux Lawn  
Putting Green

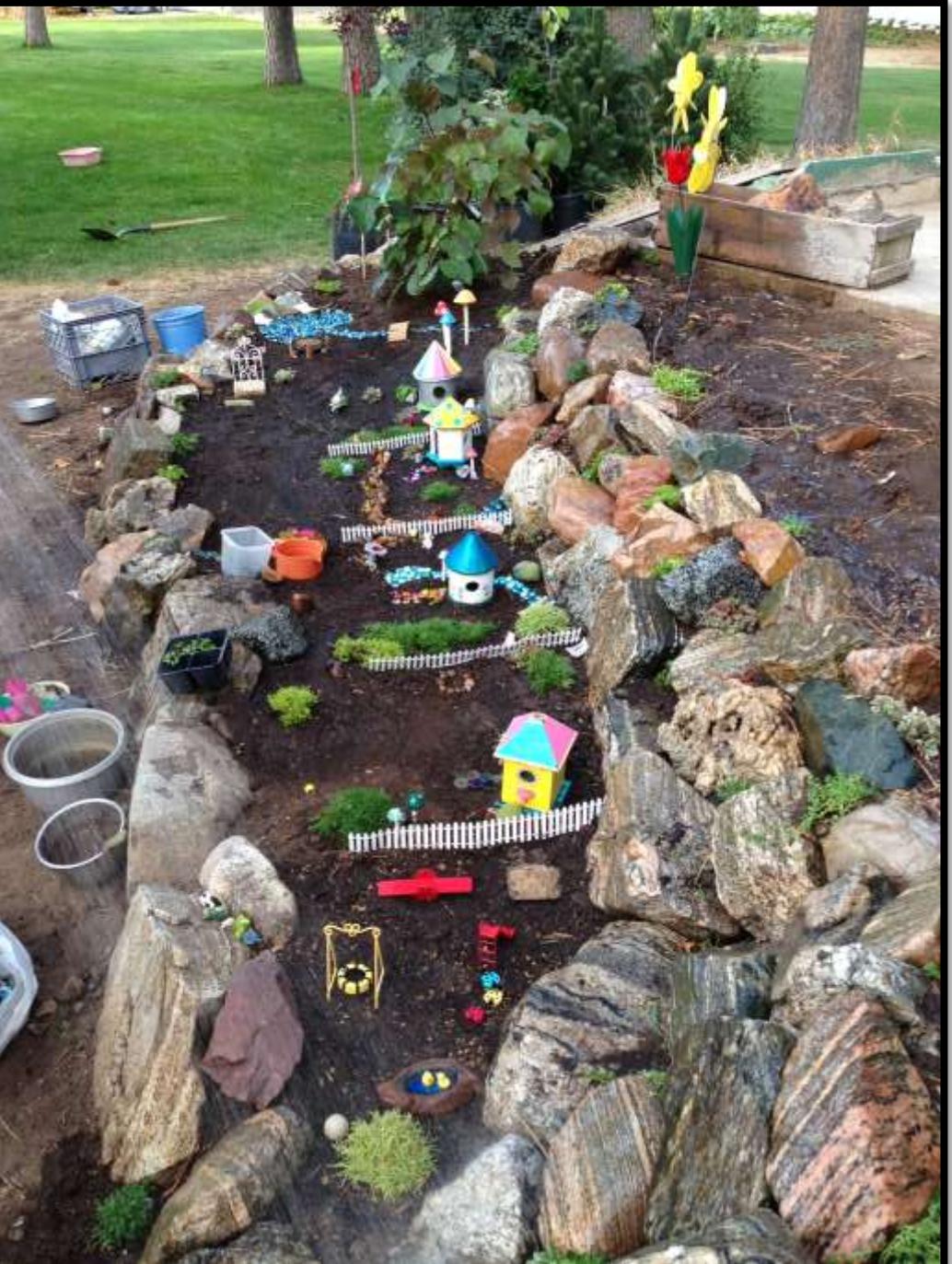


Ornamental,  
Un-Mowed  
Meadow Grass  
around  
Trampoline



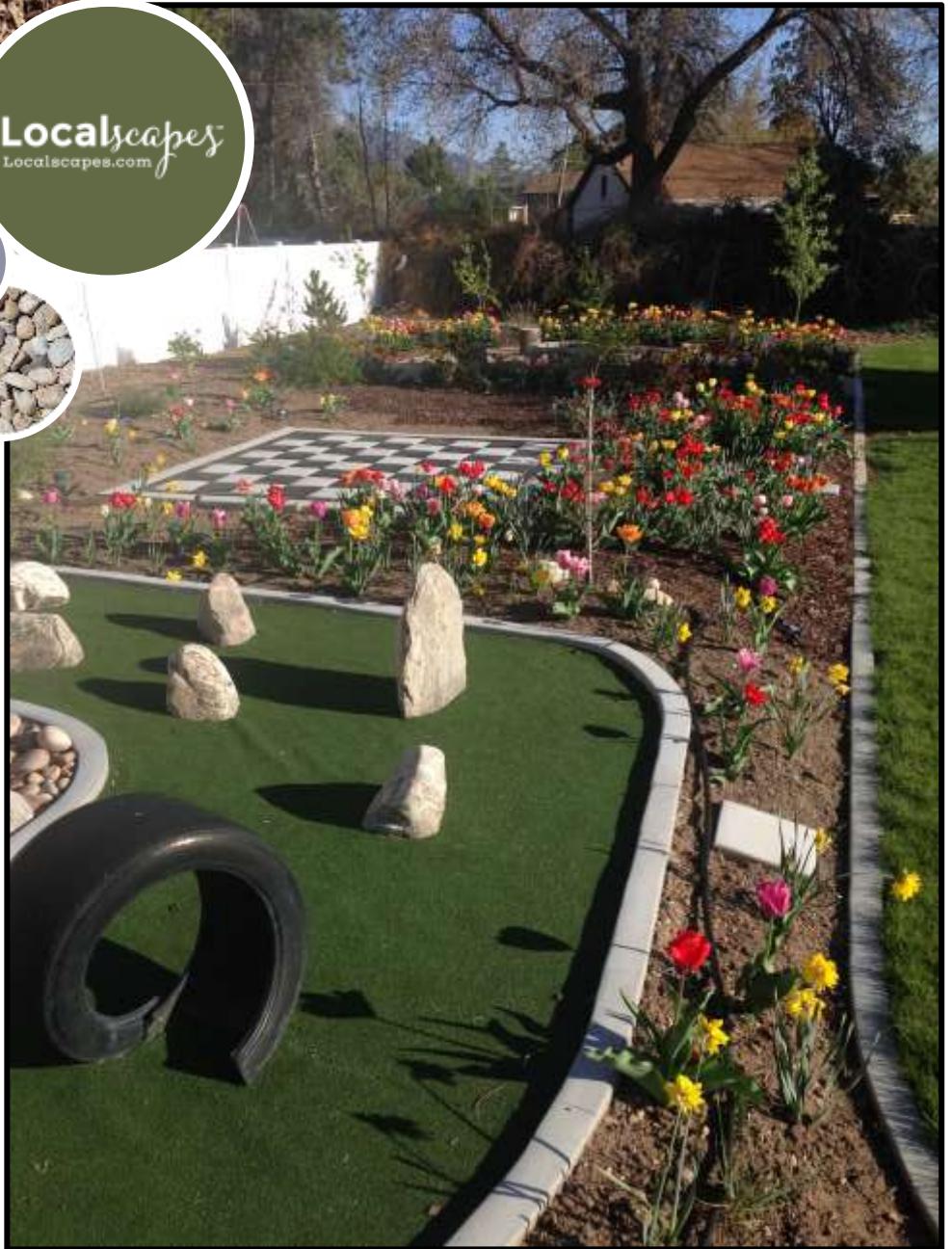


Localscapes  
Localscapes.com





Localscapes  
Localscapes.com



# Paths



# Path Examples



## Pathway Surface Materials

### Primary Paths

Primary paths are those which serve as a main artery to the home.

### Secondary Paths

Secondary Paths are those which provide alternative routes or access to non-critical spaces.

# Side Yard Solutions



Remove lawn from narrow spaces and instead create an inviting pass-through experience.

# The Power of Foliage

Localscapes  
Localscapes.com

## Foliage

A mix of plants with  
colorful foliage is the  
secret to a designer  
landscape





Why do these details matter?

Localscapes  
Localscapes.com

Potential 130,000 gallon annual water savings



Typical @ 40" per season= **196,250** Gal. Vs. Designed for Utah Localscape = **64,766** Gal.

# The Learning Garden

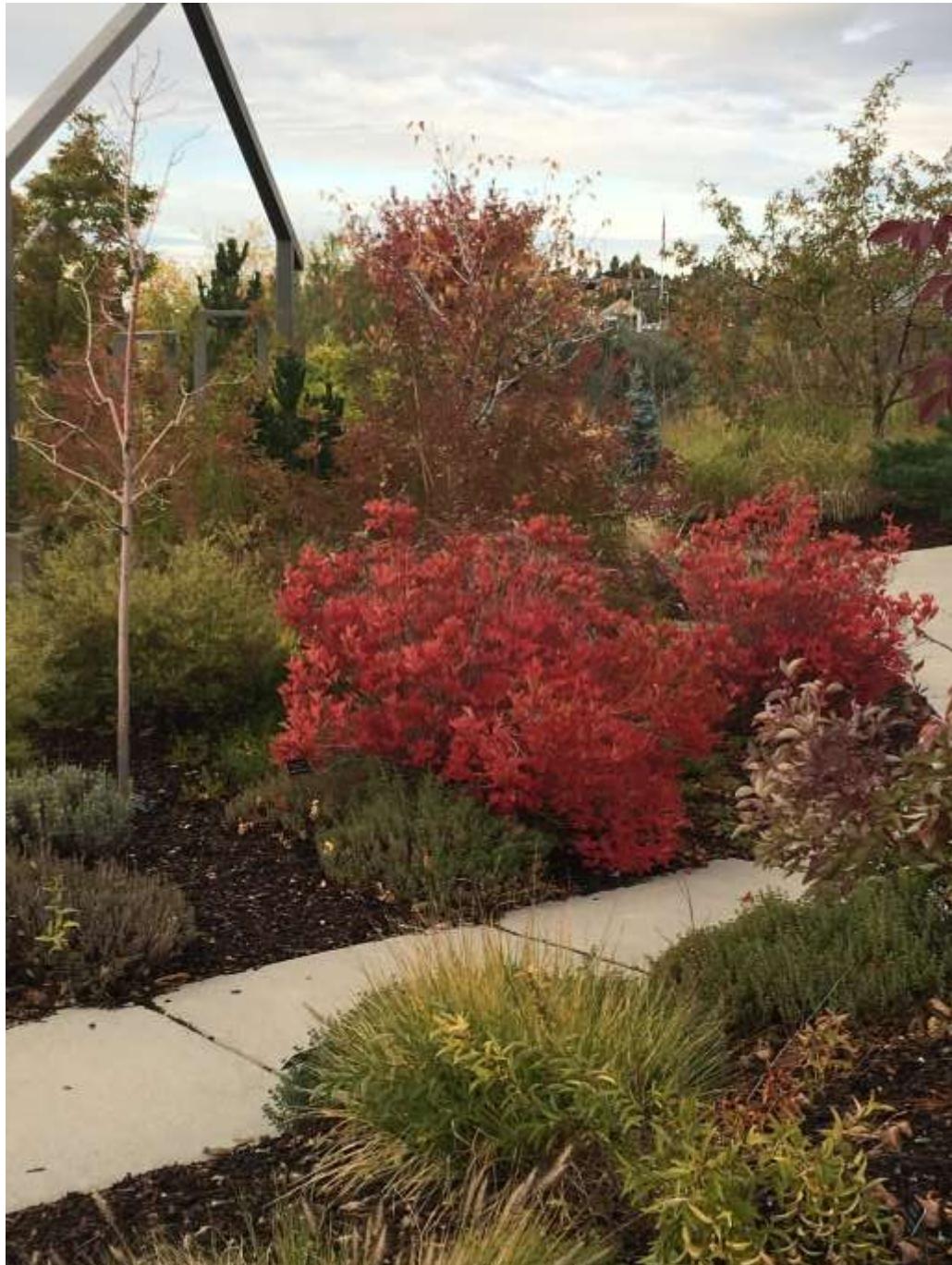


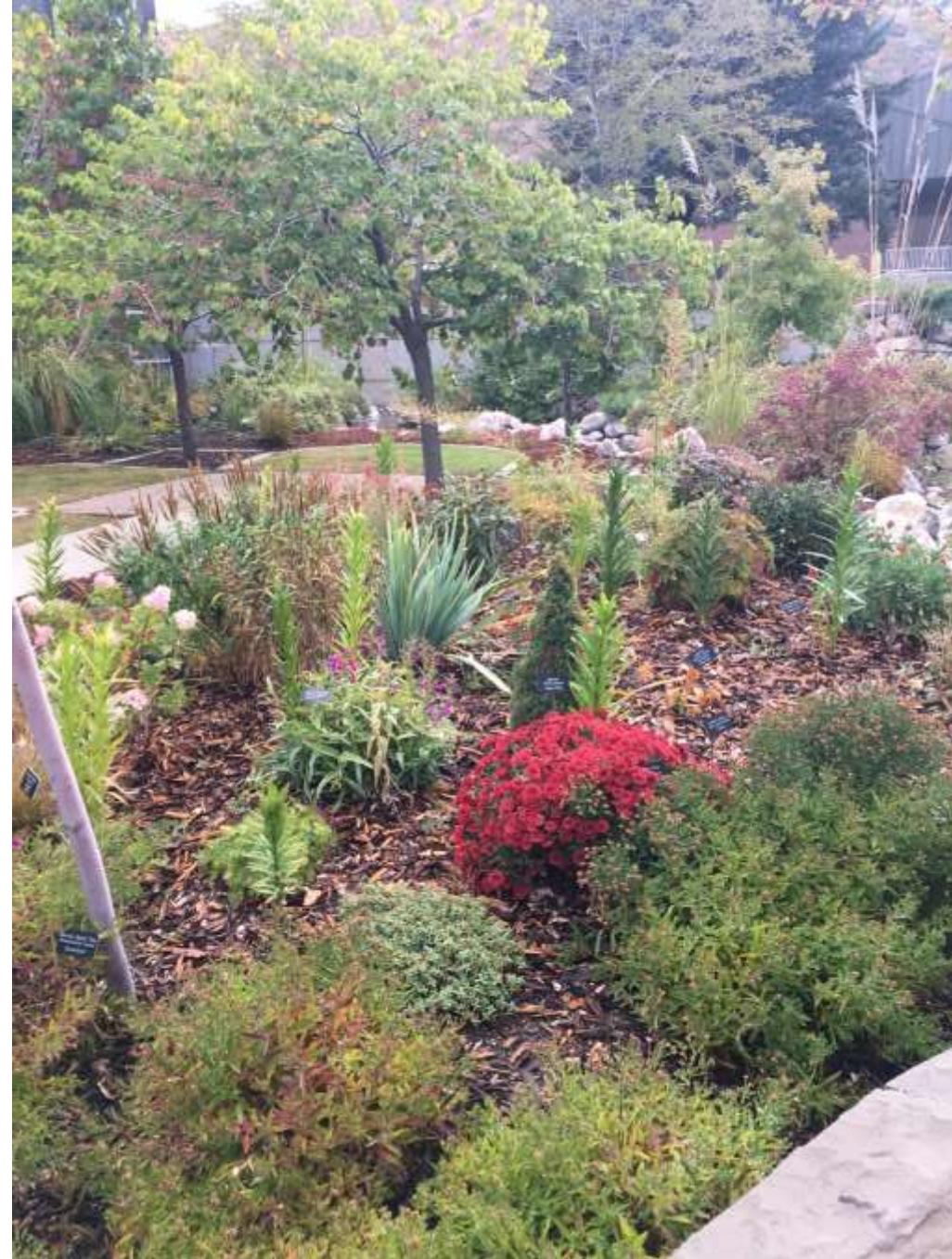


















# Questions?

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