

June 13, 2023

Natural Resources Agriculture Environmental Quality Appropriations

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# Dam Safety Funding



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Division of Water Resources



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Utah's Water Resources

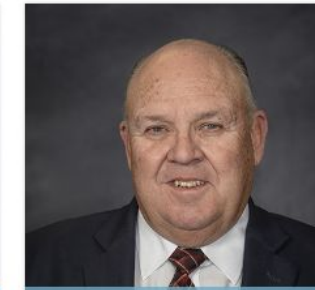




Bear River District  
Box Elder, Cache & Rich Counties



Green River District  
Daggett, Duchesne & Uintah Counties



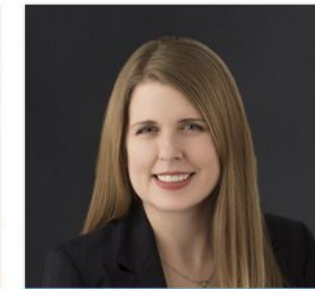
Lower Colorado River District  
Beaver, Garfield, Iron, Washington & Kane Counties



Upper Colorado River District  
Carbon, Emery, Grand & San Juan Counties



Provo River District  
Juab, Utah & Wasatch Counties



Salt Lake & Tooele Counties  
Salt Lake & Tooele Counties



Sevier River District  
Millard, Sanpete, Sevier,  
Piute & Wayne Counties



Weber River District  
Weber, Davis, Morgan & Summit Counties



Division Director

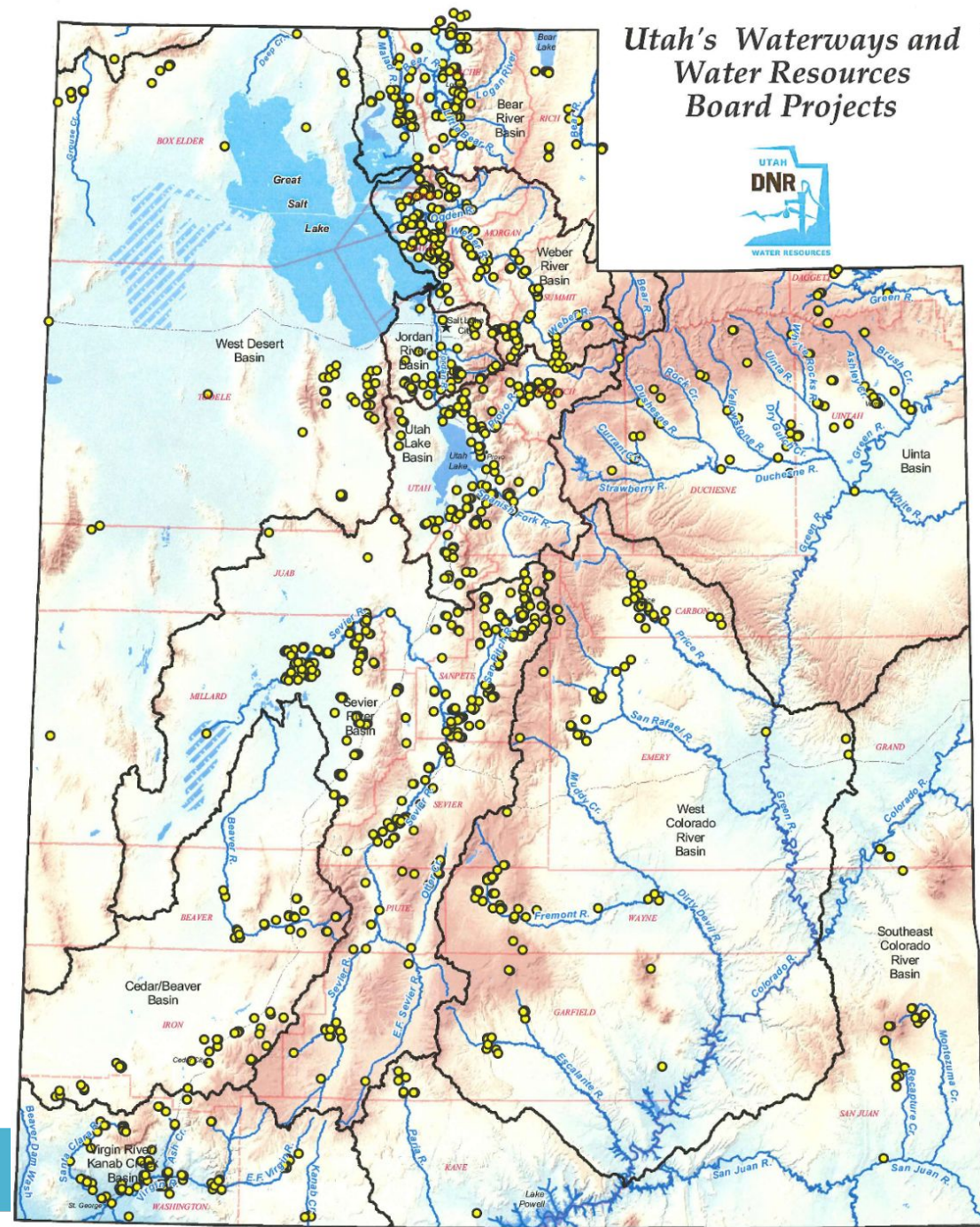
# Board of Water Resources

# Board Funding

- 3 revolving funds
- 1,555 projects funded since 1947
- Funds totaling \$1.22 B
- Total Project Value \$2.92 B
- Includes dams, irrigation, culinary and secondary water projects



Utah Division of Water Resources





# Dam Safety Funds

## Annual Ongoing Funds

- Through 2007: \$4.3 million
- 2008: \$700,000
- Since 2008: \$3.8 M

## One-Time Funding

- 2015: \$11 million (general fund)
- 2017: \$8.4 million (restricted)
- 2022: \$18 million (restricted)
- 2024: \$25 million (general fund)



# Minimum Standards Upgrades - Board Funding Levels

Privately Owned Dams: 90% Grant

Governmental Entity Owned Dams: 80% Grant

Federal and For-Profit Privately owned dams **do not qualify** for state grant funding

State loan funds are available at low interest to help cover the local cost share

*73-5a-502 “The state engineer may not require any mutual irrigation company or water users association to upgrade a dam in conformance with minimum standards, unless a grant to pay for 80% of the costs is made available from the Board of Water Resources.”*



# State Regulated High Hazard Dams

High Hazard Dams: 223

Dams Needing Upgrade: 101

Average Cost to Upgrade One Dam: \$4.5 million

Estimated Cost to Upgrade Remaining Dams: \$454.5 million

Years to Complete Upgrades at Current \$3.8 Million/Year Funding Level:

**120 years (?)**





# Hazard Creep

When development encroaches on a Moderate Hazard dam, the rating is raised to High Hazard  
The number of High Hazard dams continues to increase







# Dam Safety Project Examples



# Sevier Bridge (Yuba) - Juab County





# Sevier Bridge (Yuba) - Juab County





# Millisite - Emery County





# 2023 Millsite Spilling in Emery County





# 2023 Millsite Spilling in Emery County





# DMAD - Millard County





# Tibble Fork - Utah County





# Dry Creek - Utah County (2022)





# Upper Enterprise - Washington County (2008)





# Fairview Lakes - Sanpete County (2014)





# Baker - Washington County (2021)







# Thank you.

**Utah Division of Water Resources**  
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