# Floodplain Management in the Carson River Watershed: Plan Revision

CARSON WA

Deborah Neddenriep, CFM December 20,2023

Photo Courtesy of Storey County, Nevada

CARSON RIVER WATERSHED FLOODPLAIN MANAGEMENT PLAN 2018

Prepared by:

Check out the

**Management** 

**Flood**plain

Plan

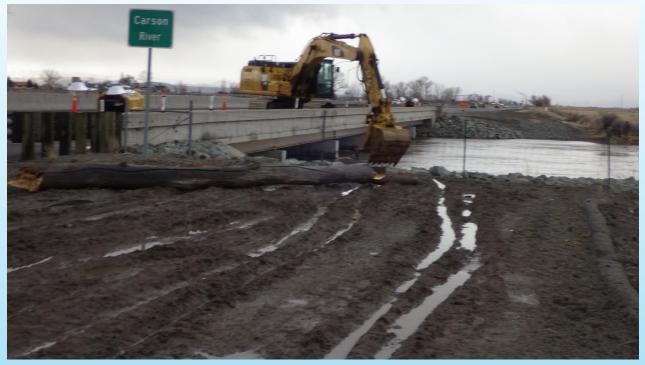
Michael Baker



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Prepared for: Carson Water Subconservancy District, Alpine County (California), Carson City, Churchill County, Douglas County, Lyon County, Storey County (Nevada).

- Adopted by all 6 counties in the Watershed
- Provides Community
  Rating System points to
  Carson City, Douglas
  County and Storey County
- 8 flood mitigation strategies
- 48 suggested actions to implement strategies



# Photo: Tim Bardsley, Hydrologist, NWS

# **Carson River Adaptive Stewardship Plan and 2017 Supplemental Update**

#### **Carson River Watershed Project Categories**





Water Quantity By working together we can develop regional solutions and investigate opportunities for meeting municipal, environmental, and agriculture demands.



#### **River Rehabilitation**/

Stabilization

River rehabilition projects are almed at creating or enhancing riparian habitat, mitigating severe erosion, restoring some geomorphic form and function, and ultimately improving water guality.

Floodplain Conservation Floodplain conservation projets are geared towards conserving floodplain lands and raising public awareness of the flooding hazards and importance of conserving these critical lands. Carson Rive



#### Water Quality Monitoring and Assessment

These projects will help to evaluate the health of the river and the appropriateness of the water quality standards.



**Recreation Use and** Management Recreational use and management projects are aimed at protecting the natrual resources while providing adventurous

recreational experiences.

Outreach and Education Projects are aimed at inviting community members to explore

and conserve the watershed through community programs and hands-on experiences.

#### **Noxious Weed Abatement**

Noxious weed abatement projects are geared towards mapping, monitoring and treating the weeds, plus public outreach and education.

## Objectives TO MITIGATE FLOOD HAZARDS:

- 1. Protect Natural Floodplain Function and Values
- 2. Set Higher Regulatory Standards
- 3. Collect Flood Data Information and Maintenance
- 4. Balance Channel Migration and Bank Erosion Monitoring
- 5. Increase Floodplain and Flood Hazard Outreach and Education
- 6. Reduce Infrastructure Impact
- 7. Map/Study Alluvial Fans
- 8. Minimize Stormwater Impacts



Photo Courtesy of Alpine County, California

**CWSD Photo: Brenda Hunt** 

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# Casino Fandango, Photo Courtesy of Brenda Hunt



# **Questions**?

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**Thank you!** 

## Photo Courtesy of Courtney Walker