



Seeds You've Planted

Highlights of past, present
and future restoration
projects



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thank you

Your multi-year support helps us develop restoration projects and manage our programs.



Together for the Truckee Society

2022

PRESERVE the watershed | \$10,000 a year for 5 years

Granite Peak
Management

Laird Norton Family
Foundation

Northstar California /
Vail Resorts
EpicPromise

Gail and Rick Stephens

Tahoe Mountain
Resorts Foundation

PROTECT the river | \$5,000 a year for 5 years

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Chris Ryman

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Truckee River Rafting /
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Diane and Bill Zuendt

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Tahoe Mountain Resort Foundation

Tahoe Truckee Community
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The Martis Fund

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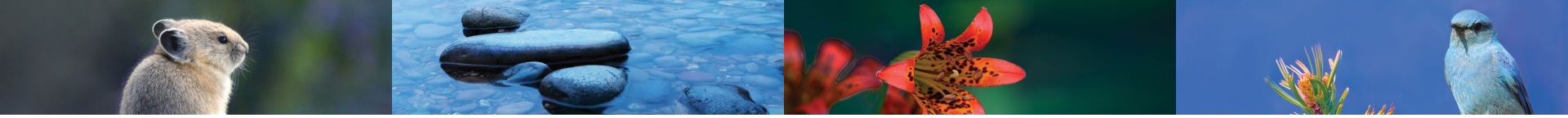
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RESTORE a stream | \$1,000 a year for 5 years

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Carol Patterson and Peg Van Camp
Christine Villaman
Roxanne Duffield and Hans Wain
Lisa Wallace and Family
Margaret Ann and Ken Wallace
Nancy and Owens Wallis
Ward-Young Architecture & Planning
Lynne and Ken Weakley
Colleen and Paul Wilford
Mike Witherspoon
Barbie and William Witmer
Janet and Chuck Zipkin



Middle Truckee River Watershed

- 435 square miles
- 26 tributaries
- 7 major water bodies
- Water supply
- Many managing agencies





Projects

People

Policy



Photo: Michele Prestowitz

We restore: East Martis



Robie Litthfield

We engage the community:
Truckee River Day 2021!



Michele Prestowitz

We influence policy

Seeds You've Planted **Highlights of past,** **present and future** **restoration projects**

Beth Christman- Sr. Director Restoration Programs

Michele Prestowitz- Project Director

Eben Swain- Project Director

January 26, 2022



Past and Present Restoration in the Davies & Merrill Creek watersheds

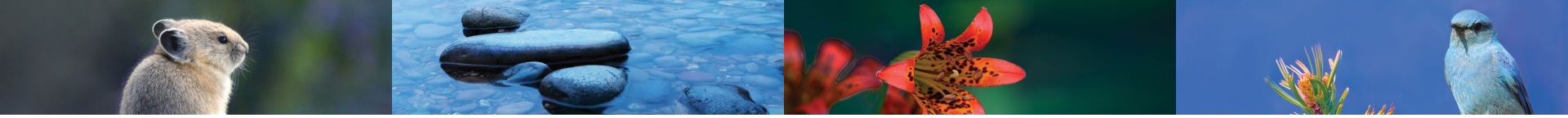
Beth Christman

Senior Director of Restoration



- Northeastern portion of watershed
- Lower and drier than west side
- Numerous meadows
- Heavily impacted through historic logging, railroads, grazing, etc.



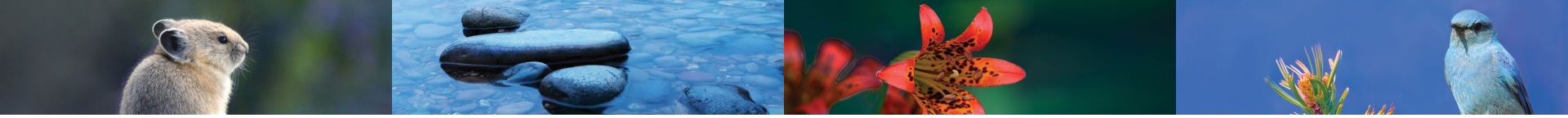


Past - Davies Merrill Restoration: Phase 1 2005 - 2010

- U.S. Forest Service – TRWC partnership
- Thirteen sites



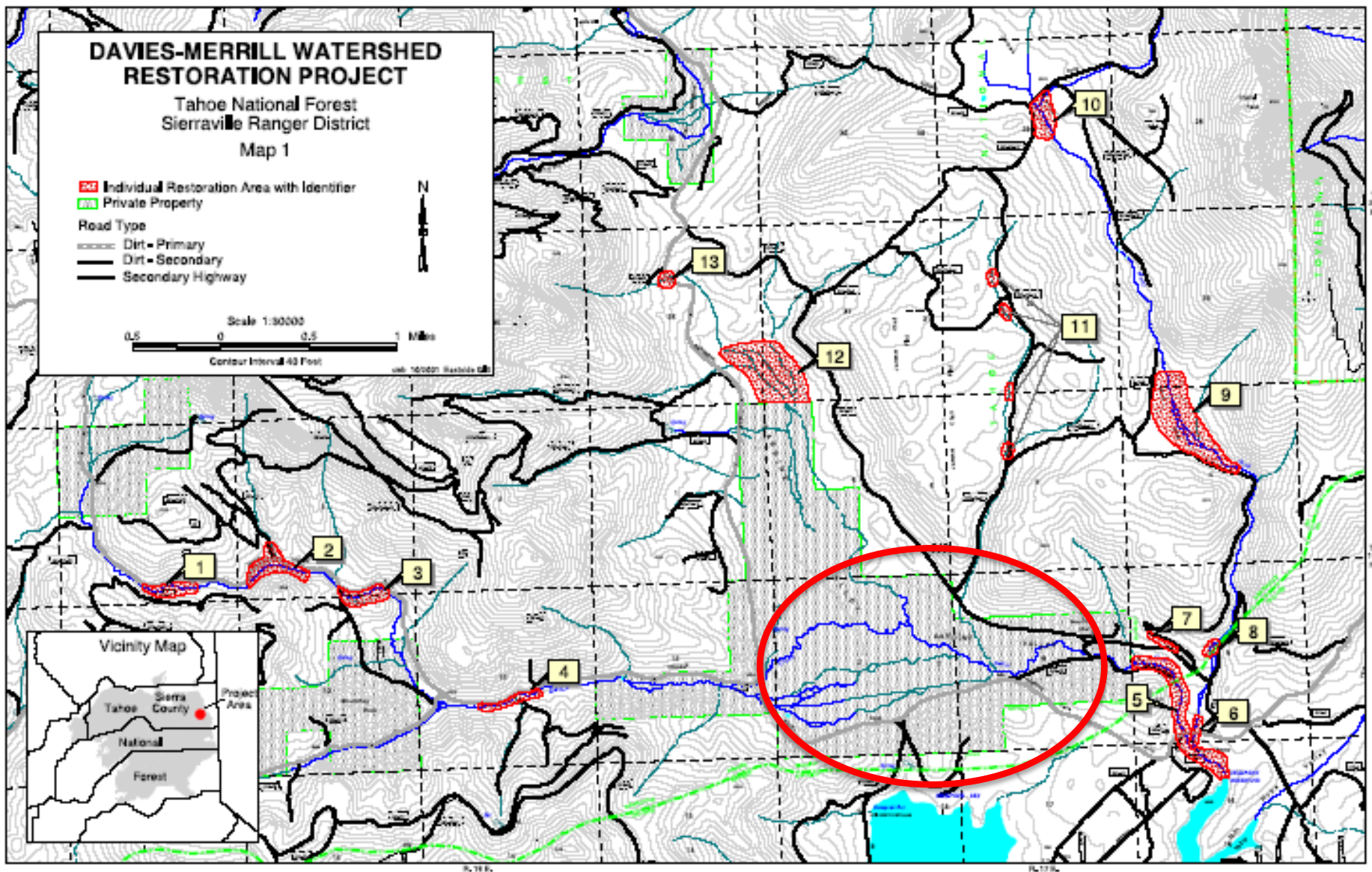
Photo: J. Duffy

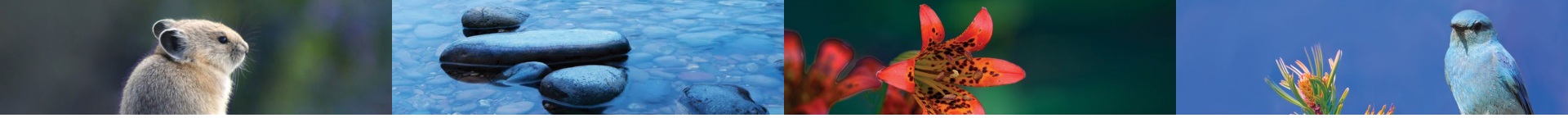


Phase 1 Outcomes

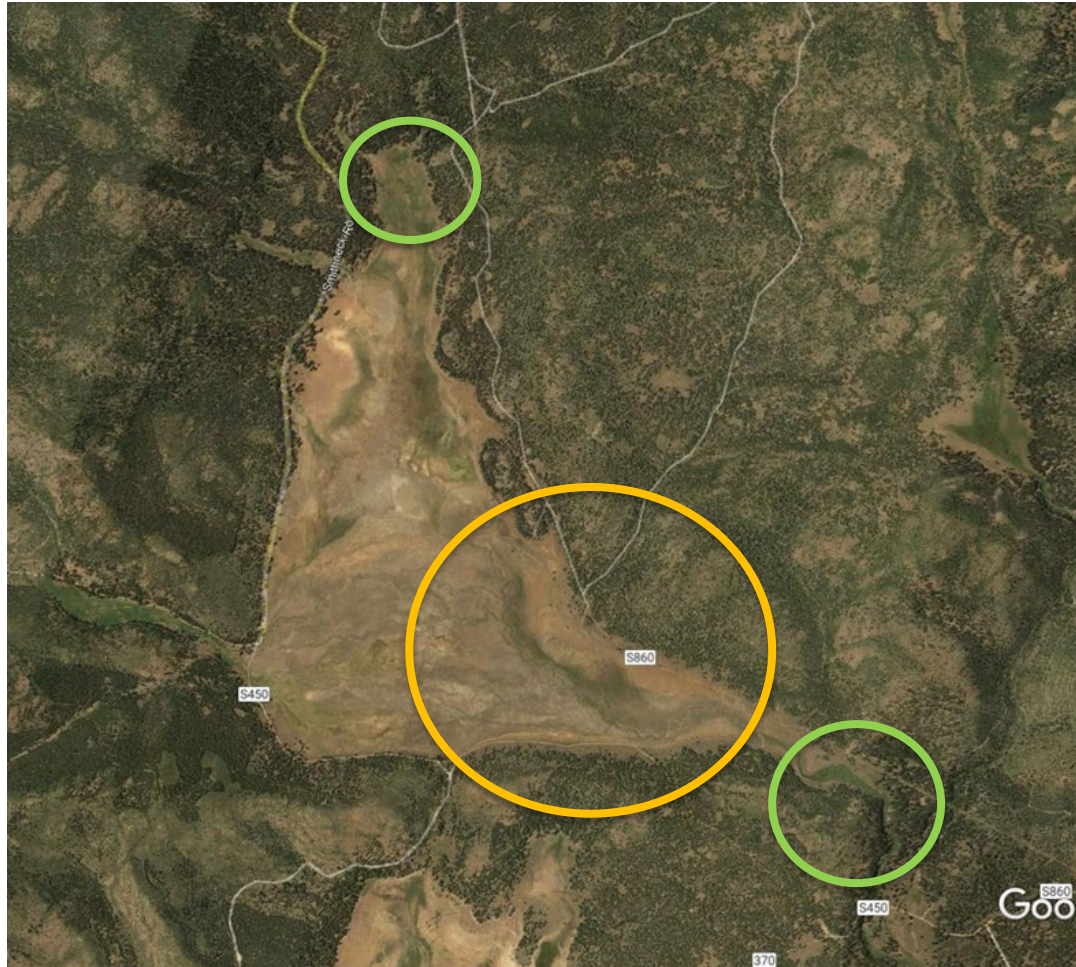
- 158 meadow and riparian acres
- 4.6 stream miles
- Increased resilience



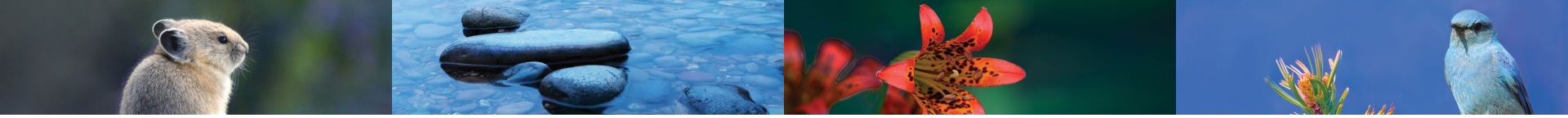




Present: Sardine Meadow – the missing link



July, 2016



Sardine Meadow – Opportunity!

- 2014: Trust for Public Land acquired large parcel
- Recognized potential for substantial ecosystem benefit
 - Phase 1 results





Incision — no floodplain connection



Sagebrush conversion — drying meadow



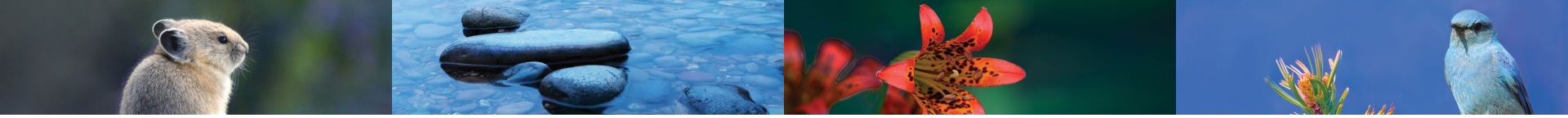
Restoration target — reconnect historic channels



Restoration target – floodplain access



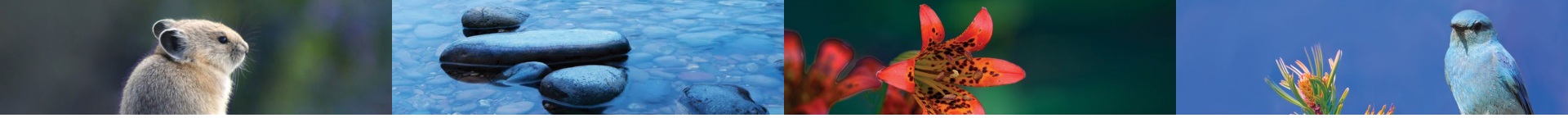
Restoration approach – reconnect channels by filling gully



Sardine Meadow – expected outcomes

- Numbers:
 - 350 meadow acres
 - 5 miles stream channel
- Importance:
 - Connectivity
 - Resilience
- Can't happen without commitment!





Thank you!

Partners:



**TRUCKEE DONNER
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Funders:

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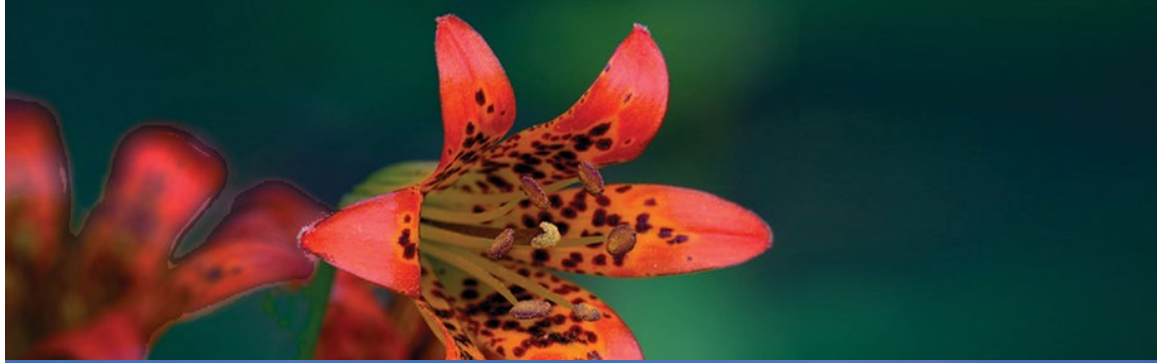
**Bella Vista
FOUNDATION**



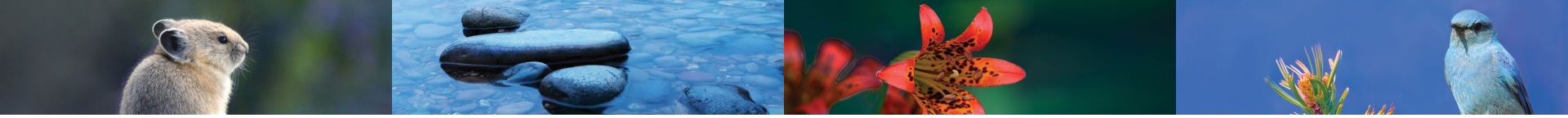
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TRUCKEE RIVER WATERSHED COUNCIL

Boca Unit Restoration Project, Today and Into the Future

Michele Prestowitz
Project Director







Site Setting

- Historic Railroad Spur and Borrow Site
- Bank Erosion
- Road/Parking Disturbance
- Redundant Volunteer Trails

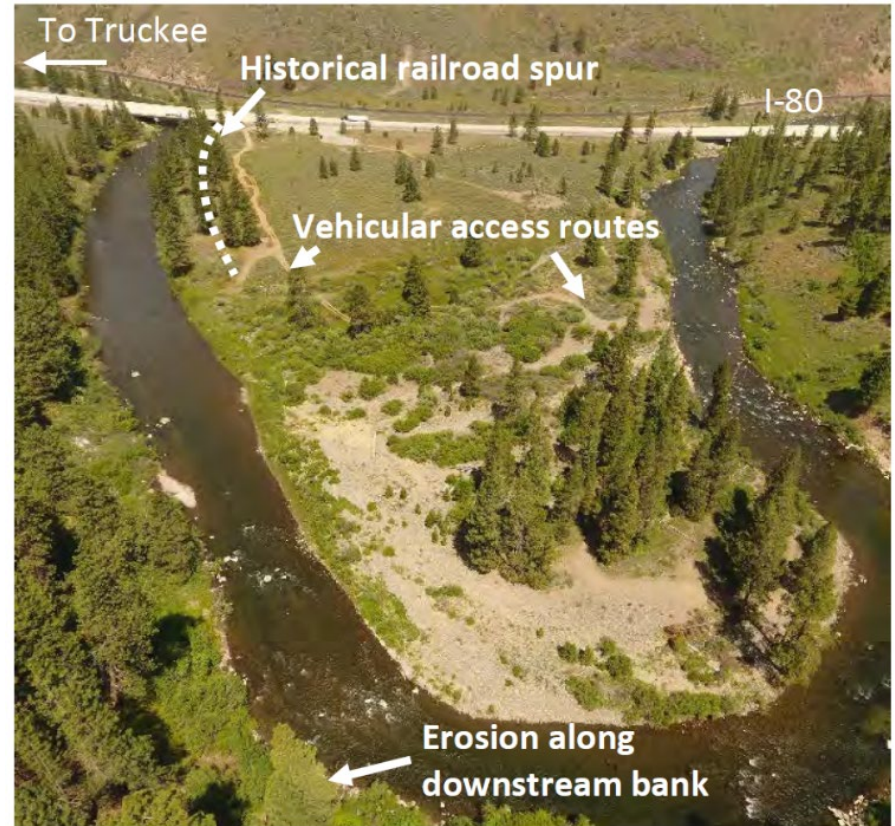
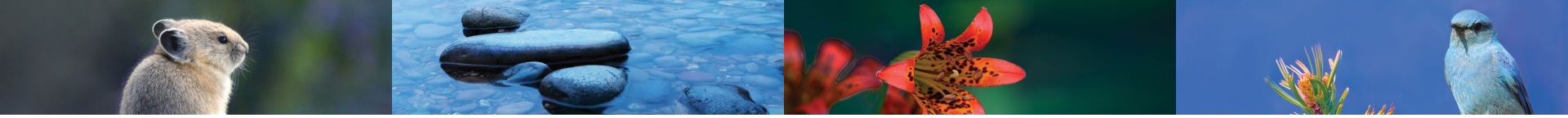


Photo credits: Balance Hydrologics



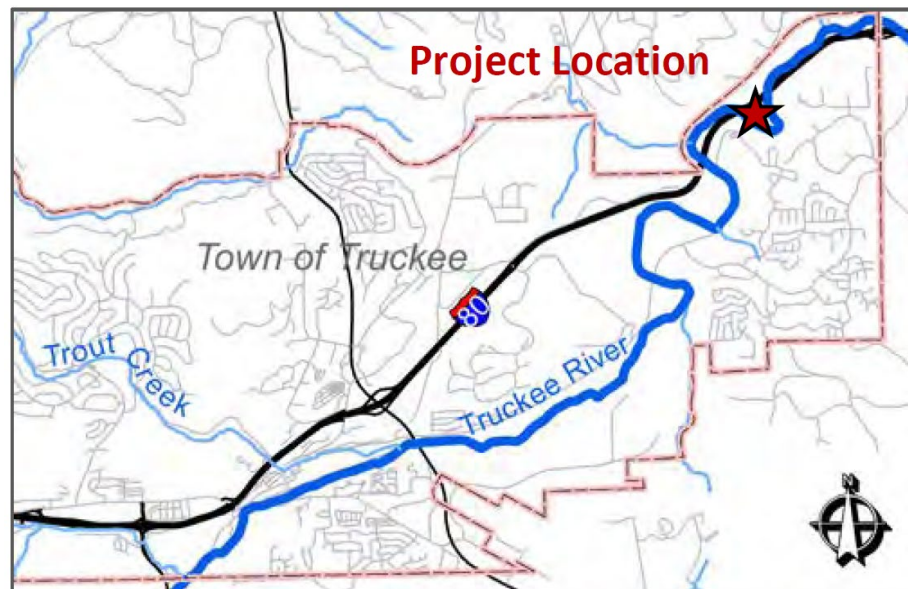


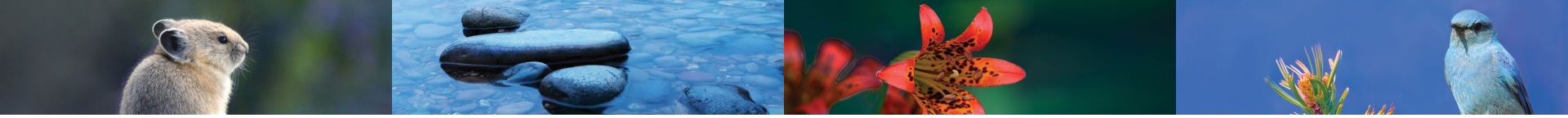




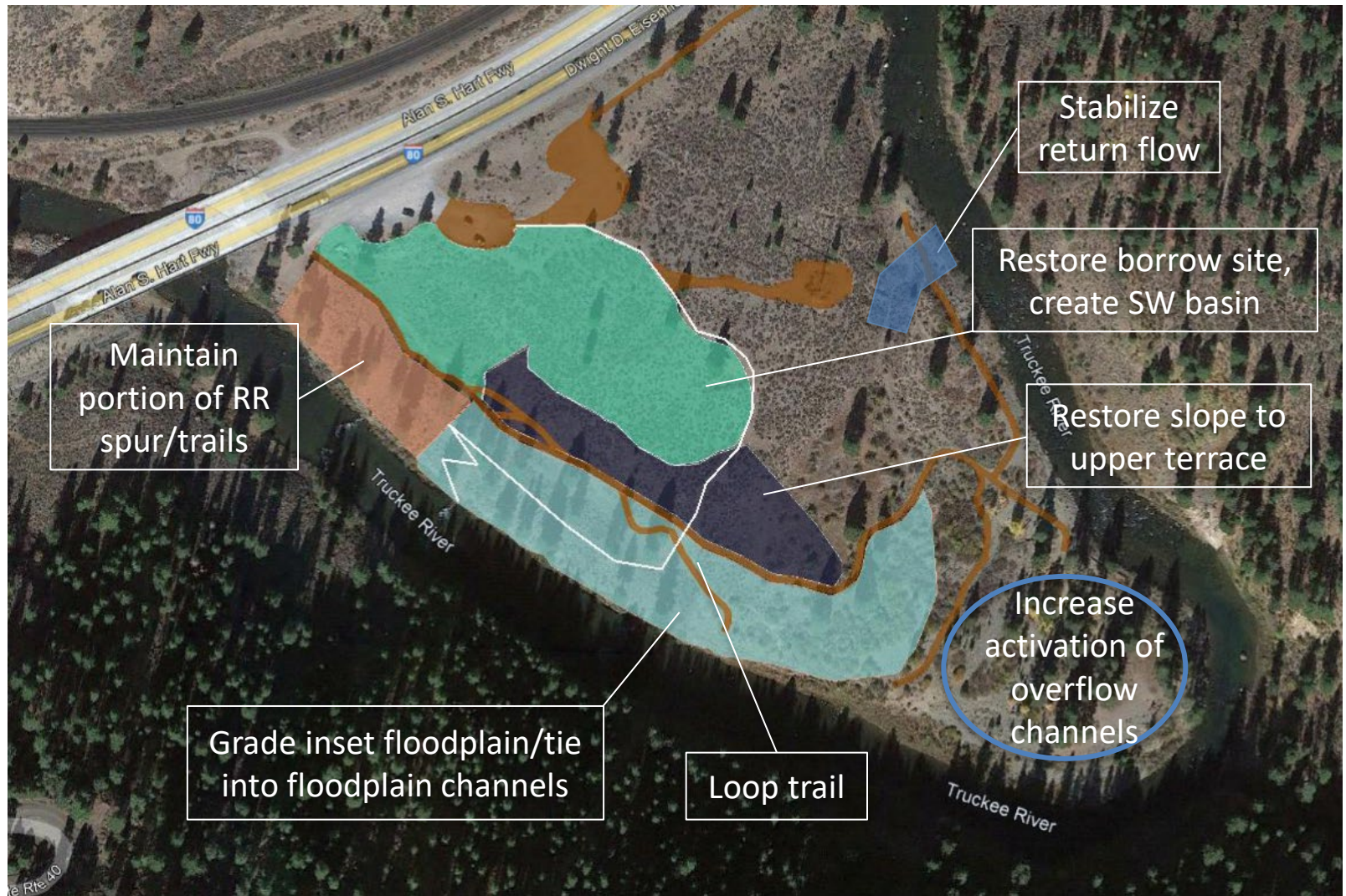
Project Goals

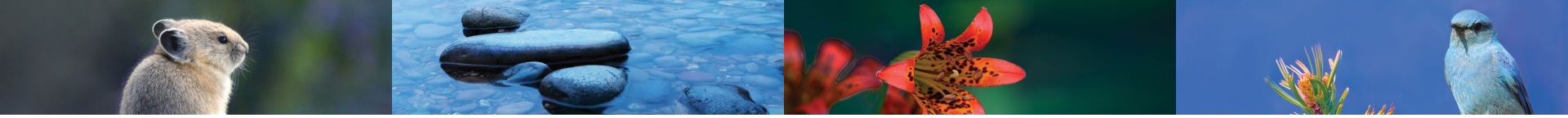
- Re-establish floodplain connectivity
- Improve instream and riparian habitat
- Reduce sediment delivery to the Truckee River





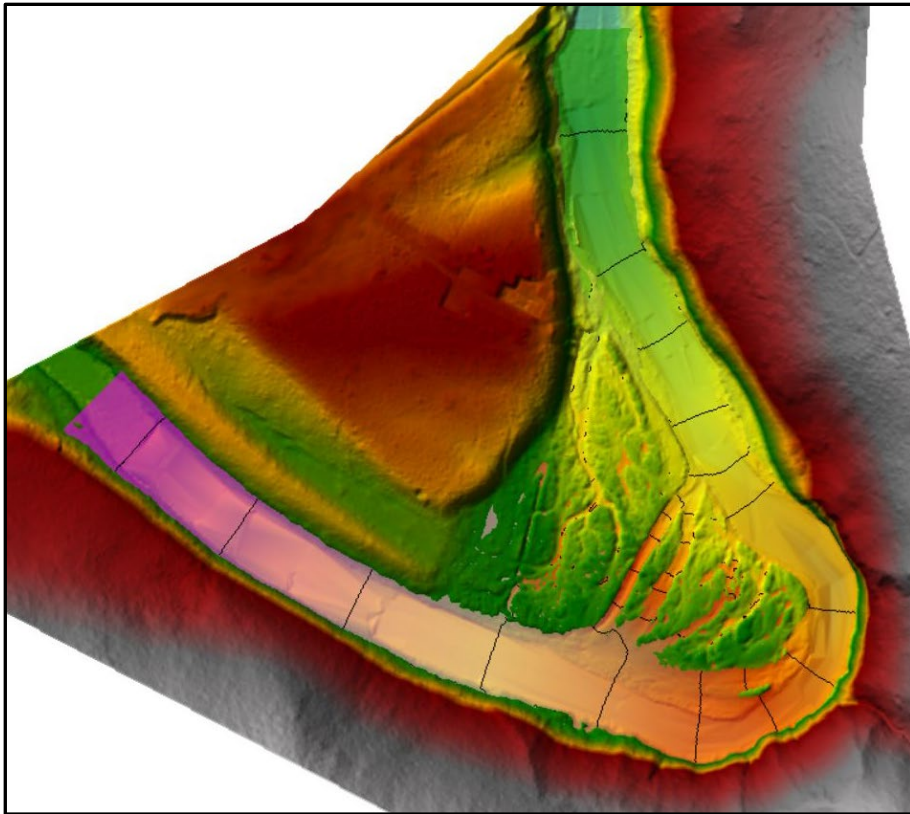
Restoration Design



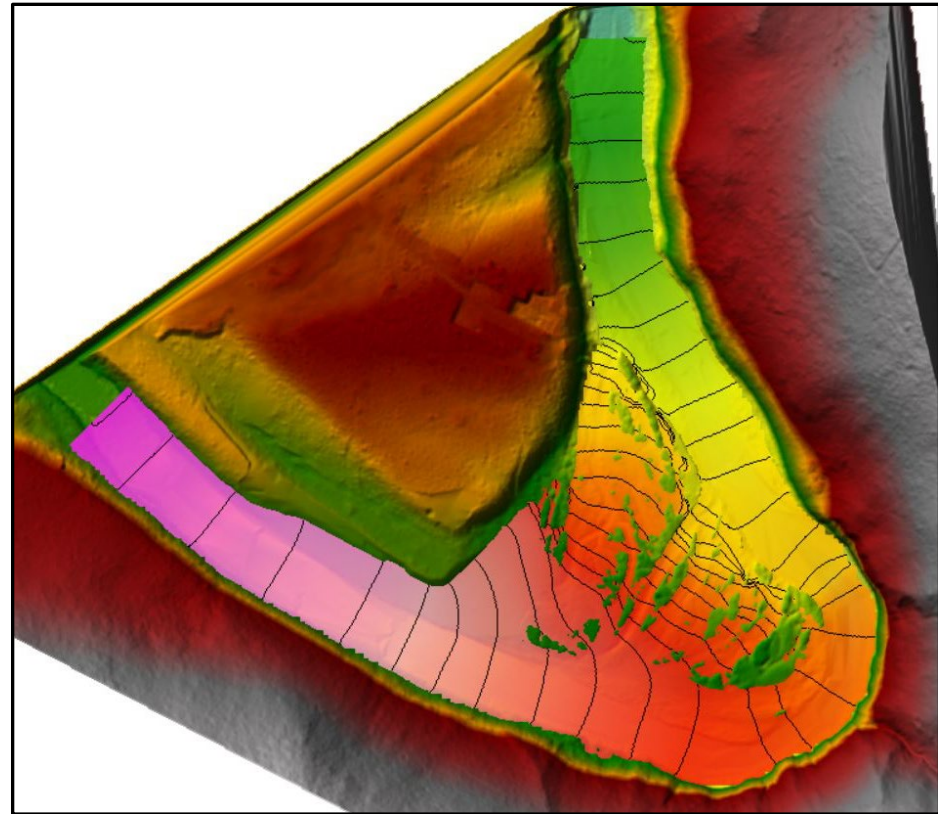


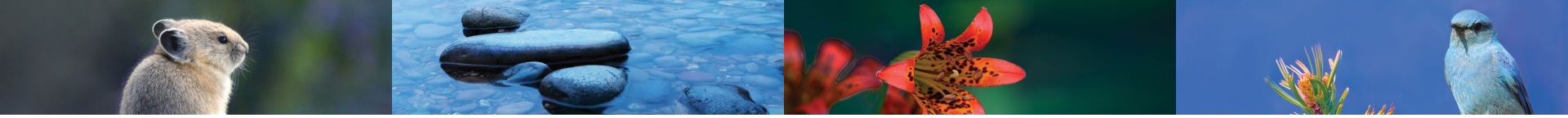
Activate 1 acre floodplain, Enhance 11 acres

5-Yr Existing WSE



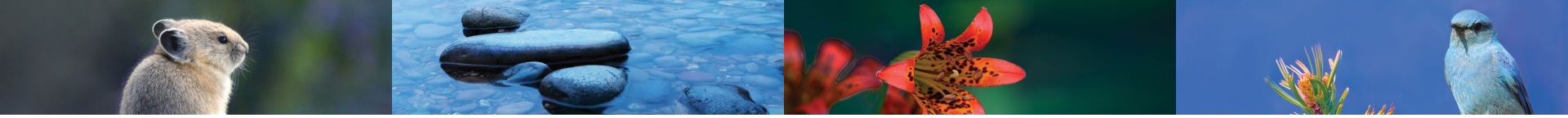
5-Yr Proposed WSE





Benefits

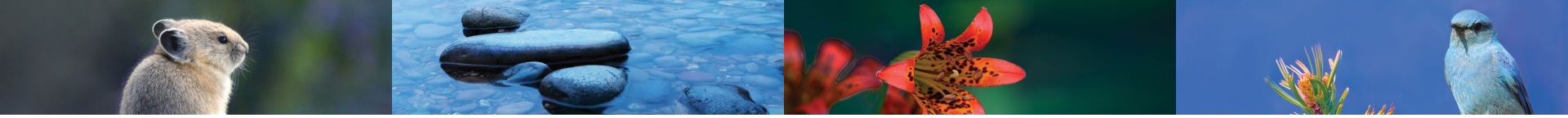
- Restore/Enhance 11 acres montane riparian habitat
- Re-engage 2,500 feet of high flow channels
- Improve water quality with 3,300 sf stormwater basin
- Enhance sustainable recreation with 1,500 ft of trail
- Decommission 3,500 feet of roads, $\frac{3}{4}$ acre parking
- Improve resilience to climate change
- Re-invigorate fishery of the Wildlife Area



Timeline

Stage	Dates
Assessment	October 2017 – December 2018
Restoration Design	October 2020 – January 2022
Permitting	February 2022 – September 2022
Construction	2023
Monitoring	Ongoing until 2025





Thank you to our Funders and Partners

Funders:

- Donors to the Truckee River Watershed Council
- CA Wildlife Conservation Board



Partners:

- CA Department of Fish & Wildlife



Middle Truckee River Forest Health Assessment

January 26, 2022

Eben Swain
Project Director

3
3



Location

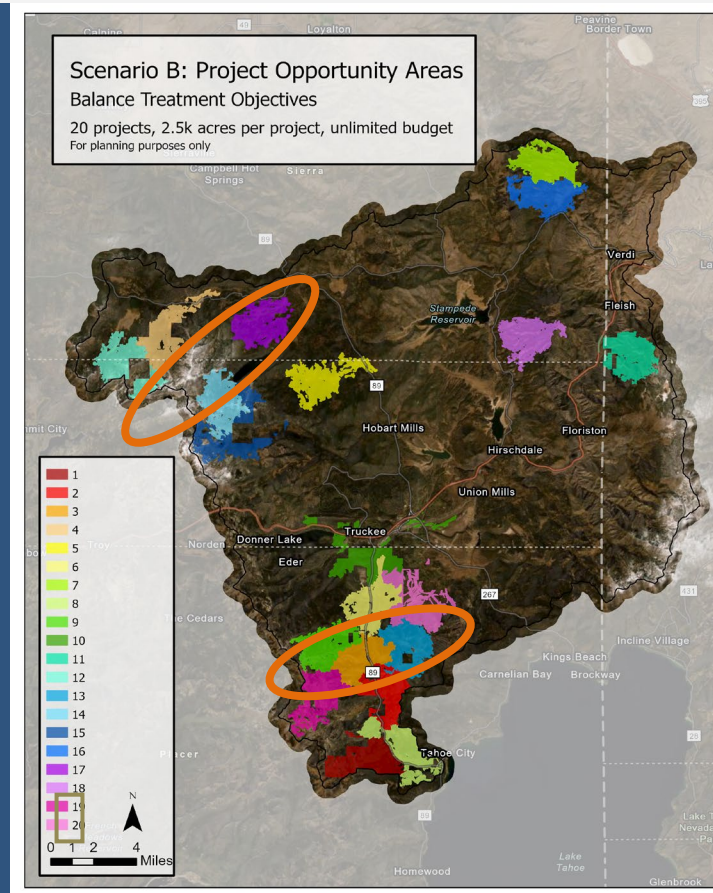


Purpose & Goals

- Define and delineate landownership
- Identify historic and existing conditions as related to risk assessment and forest health
- Identify management opportunities and priority areas for forest health treatments

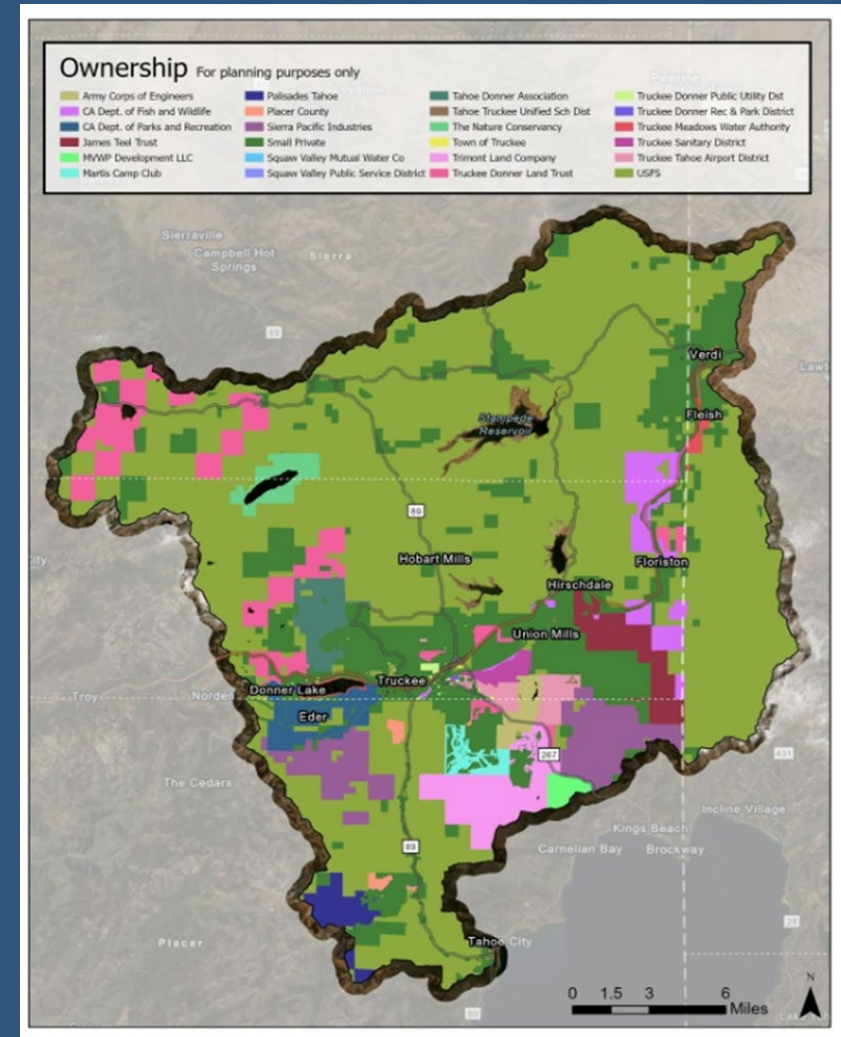
Priority Recommendations

20 projects at 2.5K acres per project obtain 39% restorative return on investment by treating 16% of the landscape



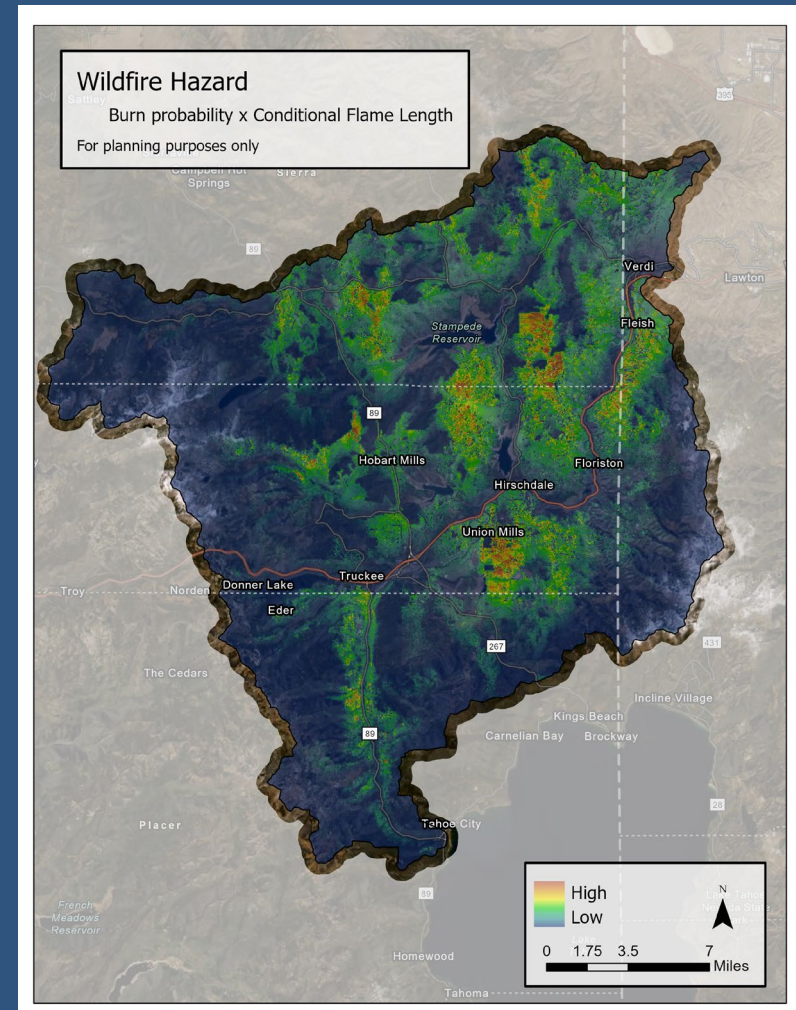
Data Inputs Yielding Recommendations

- ✓ Strategic resources
- ✓ Vegetation attributes
- ✓ Climatic Considerations
- ✓ Historic/Existing Conditions
- ✓ Landownership



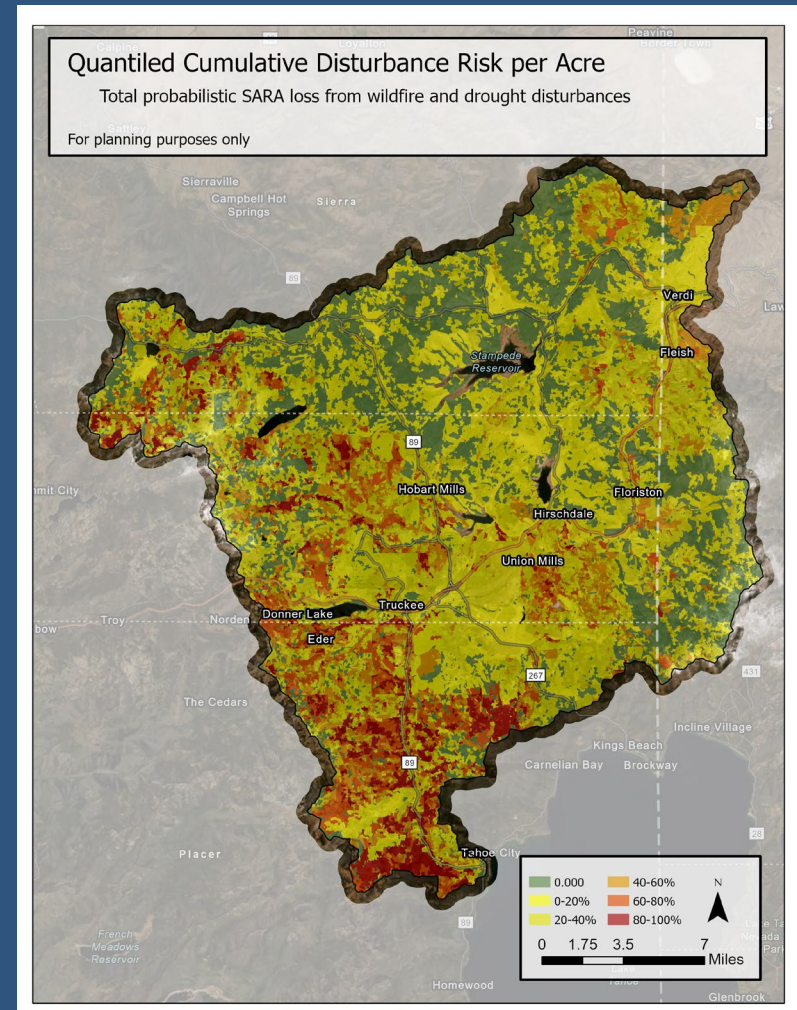
Wildfire Hazard Mapping

Modeled on the potential for wildfire to occur and the intensity levels of where fire would burn across the landscape to assess risk.



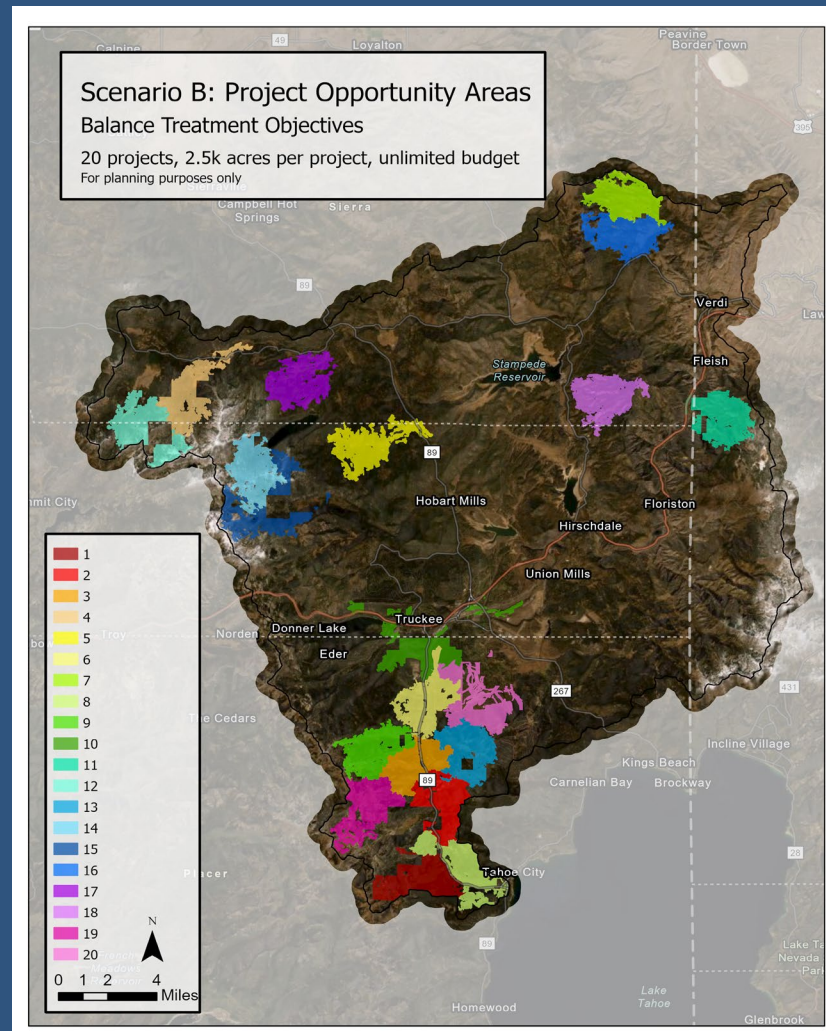
Risk Analysis

Risk can be defined as the loss of resources or assets when exposed to hazards such as wildfire or drought.

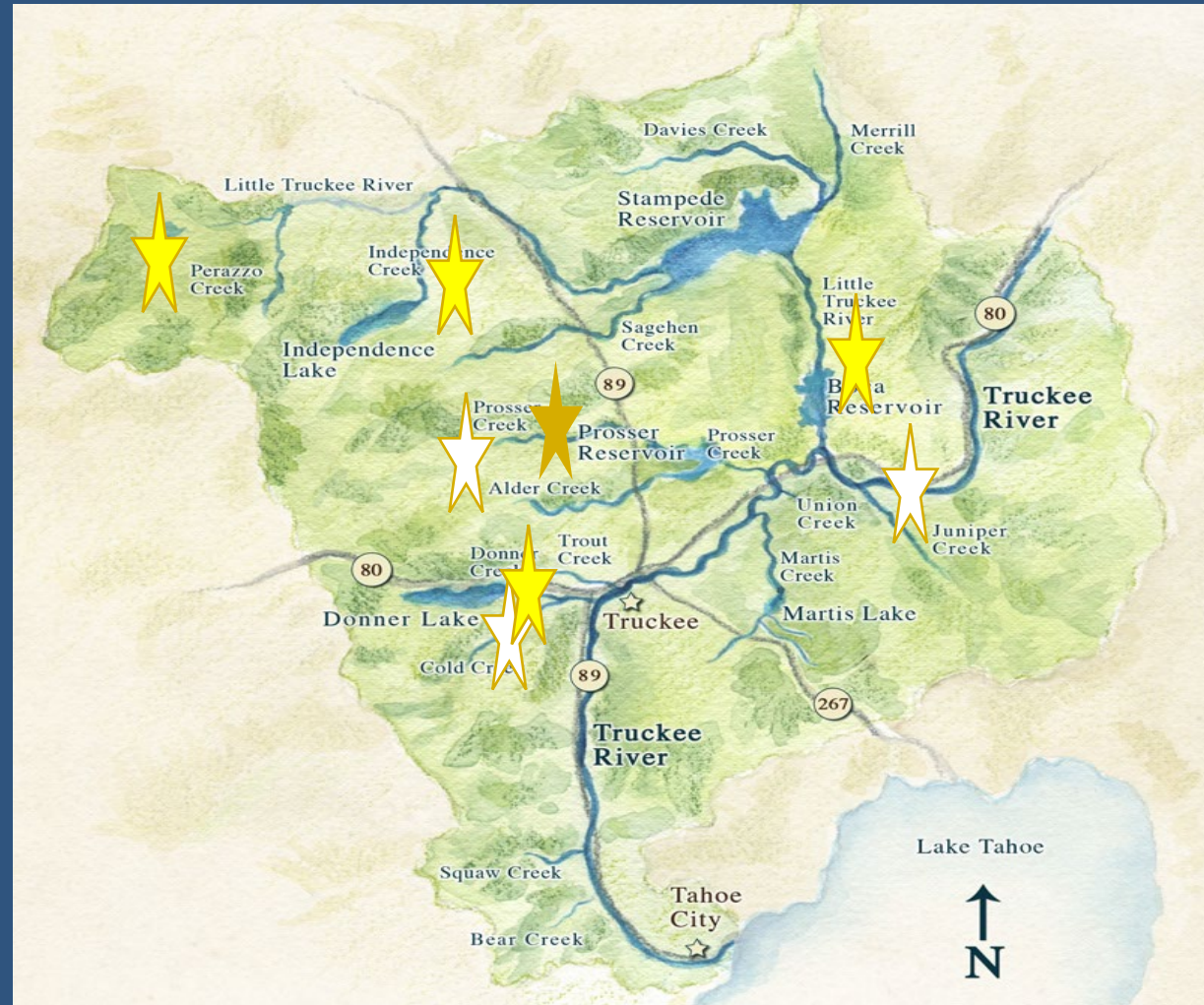


Priority Recommendations and Opportunities:

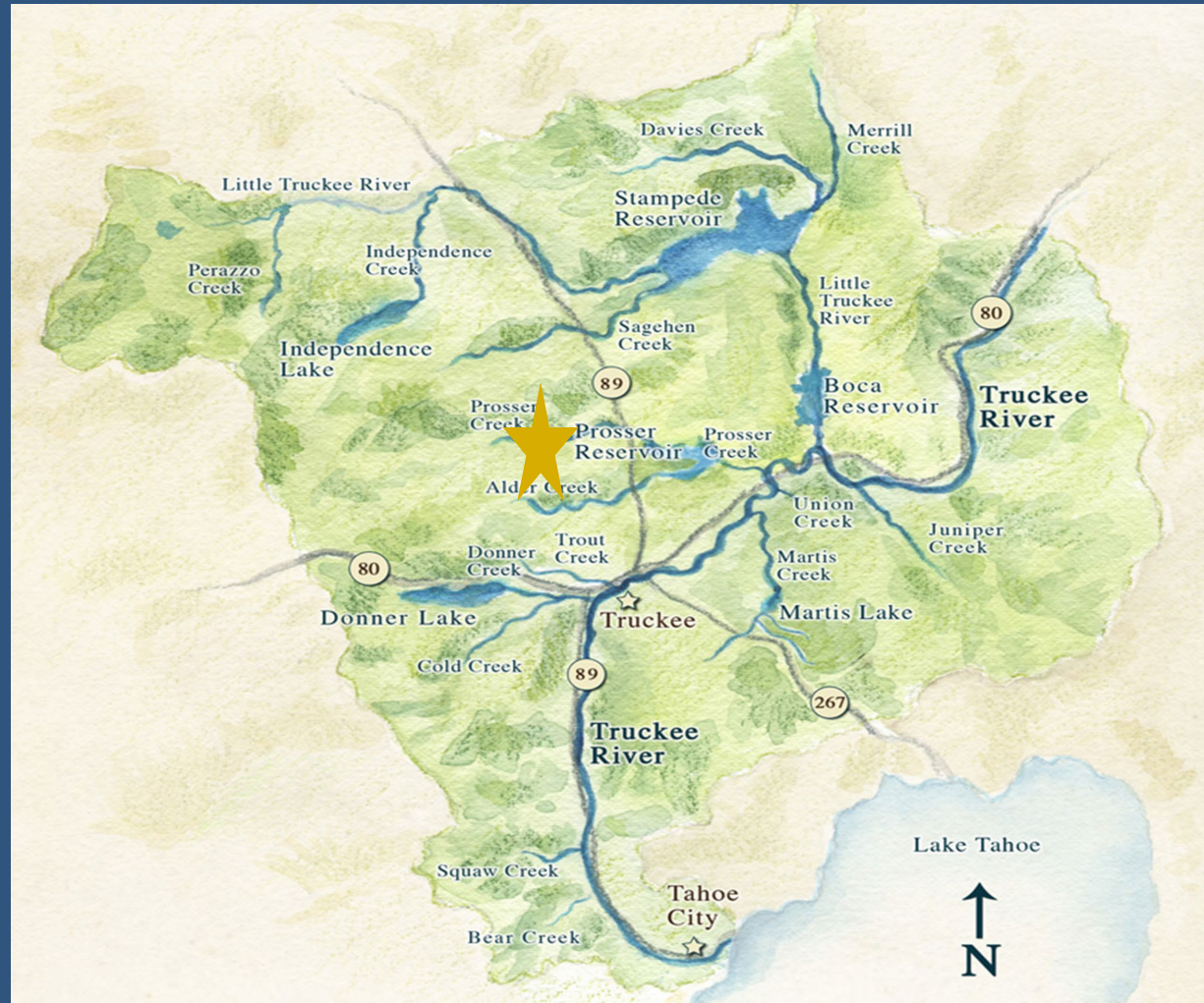
- ✓ protect resources and assets
- ✓ improve ecological and community resiliency
- ✓ reduce the risk of wildfire and drought



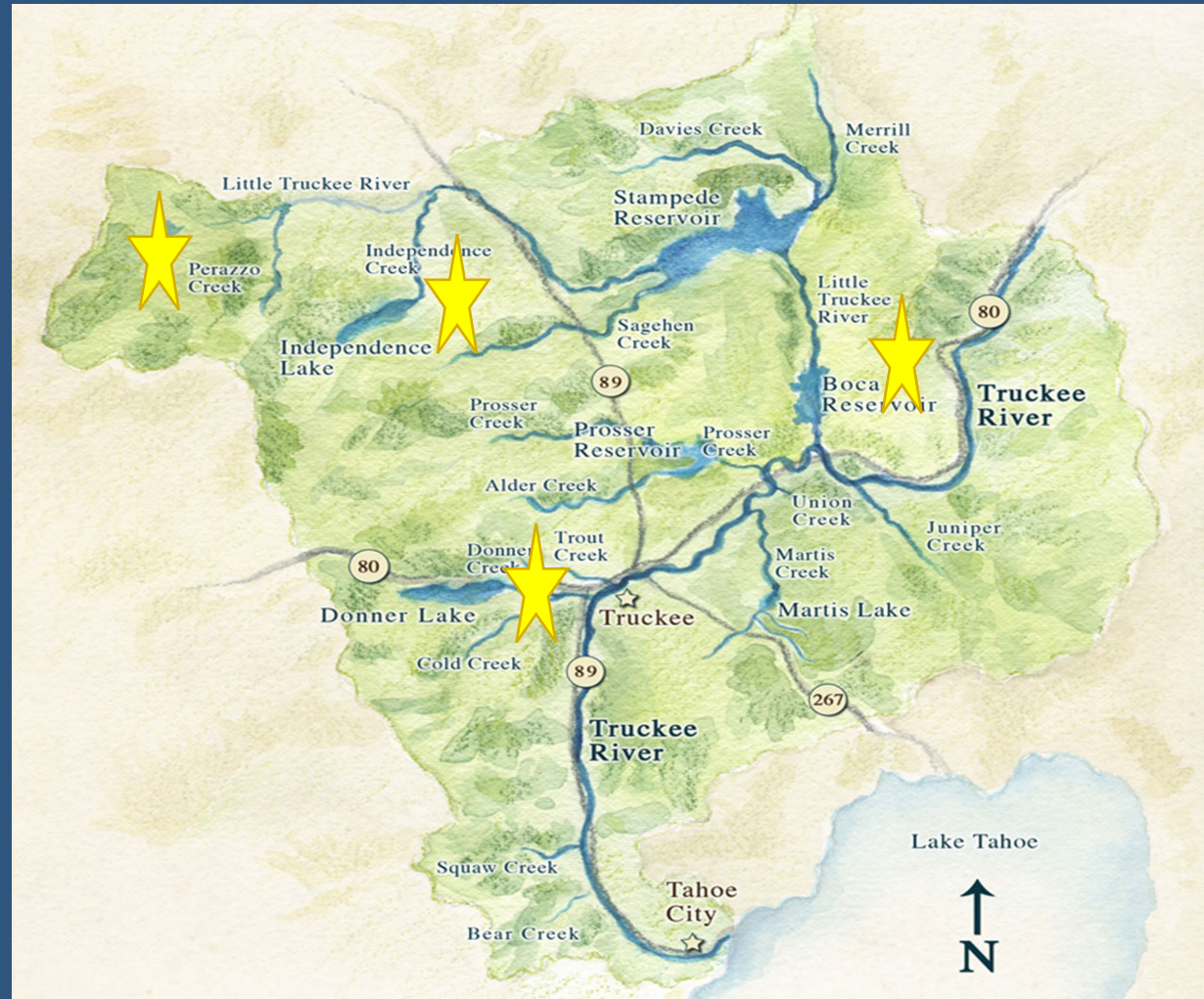
Truckee River Watershed: Planned Projects



Assessment



Construction



Design



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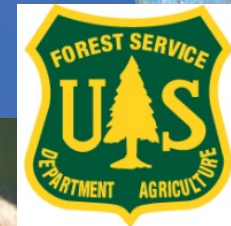
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Partners



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