

# TRUCKEE RIVER FUND

Enhancing and protecting our water resources

## TRUCKEE RIVER FUND ADVISORY COMMITTEE

### AGENDA

Friday, November 19, 2021, 8:30 a.m.  
Community Foundation of Northern Nevada  
50 Washington Street, Suite 300, Reno, NV 89509

ALL OR SOME OF THE MEMBERS OF THE TRF ADVISORY COMMITTEE MAY PARTICIPATE IN THIS MEETING USING THE ZOOM VIDEO CONFERENCE PLATFORM.

MEMBERS OF THE PUBLIC MAY PARTICIPATE IN THE MEETING AT THE ADDRESS ABOVE OR BY USING THE WEB LINK LISTED BELOW.

Please click the link below to join the meeting:

<https://us02web.zoom.us/j/8785686516?pwd=K29WZlN1a0Q2Wm1YbnpIR1l1SzJUUT09>

Zoom Meeting ID: 878 568 6516

Password: CFNN

### ADVISORY COMMITTEE MEMBERS

City of Reno	Janet Phillips, Chair	Bill Bradley	Michael Cameron
City of Sparks	Candice Elder	Mike Brisbin	Jim Smitherman
Washoe County	Brian Bonnenfant, Vice Chair	Don Mahin	Terri Svetich

### NOTES:

1. The announcement of this meeting has been posted in compliance with NRS 241.020(3) at: Truckee Meadows Water Authority (1355 Capital Blvd., Reno), at <https://truckeeriverfund.org/meetings/>, and NRS 232.2175 at State of Nevada Public Notice Website, <https://notice.nv.gov/>.
2. In accordance with NRS 241.020, this agenda closes three working days prior to the meeting. We are pleased to make reasonable accommodations for persons who are disabled and wish to attend meetings. If you require special arrangements for the meeting, please call (775) 834-8002 at least 24 hours before the meeting date.
3. Staff reports and supporting material for the meeting are available on the Truckee River Fund website at <https://truckeeriverfund.org/meetings/> or you can contact Sonia Folsom at (775) 834-8002 or [sfolsom@tmwa.com](mailto:sfolsom@tmwa.com). Supporting material is made available to the general public in accordance with NRS 241.020(6).
4. The Committee may elect to combine agenda items, consider agenda items out of order, remove agenda items, or delay discussion on agenda items. Arrive at the meeting at the posted time to hear item(s) of interest.
5. Asterisks (\*) denote non-action items.
6. Public comment is limited to three minutes and is allowed during the public comment periods. Live public comment, whether on action items or general public comment, may be made during the meeting by clicking on the "Reactions" icon at the bottom of your screen and selecting the "raise hand icon and unmuting yourself to speak when your name is called. Public comment, may be provided without being physically present at the meeting by submitting written comments online by email sent to [lrenda@nevadafund.org](mailto:lrenda@nevadafund.org) prior to the Committee opening the public comment period during the meeting. In addition, public comments may be provided by leaving a voicemail at (775)834-0255 prior to 4:00 p.m. the day before the scheduled meeting. Voicemail messages received will either be broadcast on the telephone call during the meeting or transcribed for entry into the record. The Committee may elect to receive public comment only during the two public comment periods rather than each action item. Due to constraints of the videoconference system, public comment must be provided by voicemail, email, or online comment as indicated above.

1. Roll Call\*
2. Public comment (limited to no more than three minutes per speaker)\*
3. Approval of the agenda (**for possible action**)
4. Approve the August summary meeting minutes (**for possible action**)
5. Hear presentation from Theresa Jones on Truckee Meadows Stormwater Permit Coordinating Committee (SWPCC) activities\*
6. Hear presentation from One Truckee River on priorities and progress\*
7. Hear presentation from Truckee River Watershed Council on priorities and progress\*

8. Review completed projects\*

- a. **#192 Truckee River Watershed Council:** Truckee River Tributaries Sediment Reduction Project, \$65,000 (Mike)
- b. **#209 Truckee River Watershed Council:** Restoration Projects: Donner Creek & Dry Creek Meadow, \$92,000 (Bill)
- c. **#240 Washoe County Regional Parks and Open Space:** Truckee River Parks and Open Space Weed Management and Revegetation, \$45,000 (Michael)
- d. **#241 Truckee River Watershed Council:** Restoration: Coldstream Canyon and Bear Creek, \$86,500 (Mike)
- e. **#244 Washoe County:** Encampment Clean-up and Unsheltered Individual Data Collection, \$179,932 (Brian)
- f. **#245 Sierra Nevada Journeys:** Watershed Education Initiative for the Urban Truckee River Corridor, \$31,035 (Michael)
- g. **#249 Great Basin Outdoor School:** Lower Truckee Snapshot Day, Spring & Summer Day Camp Watershed Education Initiative, \$15,925.36 (Jim)

9. Review and approve 2022 calendar (**for possible action**)

10. Discussion and possible updates to Spring 2022 RFP (**for possible action**)

11. Committee and staff comments\*

12. Next meeting: February 18, 2022 at 8:30am (**for possible action**)

13. Public comment (limited to no more than three minutes per speaker)\*

14. Adjournment (**for possible action**)

## MEETING MINUTES (TRANSCRIPT SUMMARY)

### TRUCKEE RIVER FUND ADVISORY COMMITTEE MEETING OF AUGUST 20, 2021

(Meeting via Zoom and teleconference)

The following meeting minutes is a summary of the certified transcript for the Truckee River Fund Advisory Committee meeting held at 8:30 a.m., Friday, August 20, 2021, via Zoom and teleconference.

**Those Present:** Committee Members: Janet Phillips, Chair; Brian Bonnenfant, Vice Chair; Don Mahin; Mike Brisbin; Bill Bradley; Michael Cameron; Candice Elder; Terri Svetich; and Jim Smitherman. Also: Lauren Renda, Community Foundation of Western Nevada; John Enloe and Sonia Folsom, both with TMWA; Sarah Ferguson, Esq. with McDonald Carano; Members of the Public: Sean Hill and Alyssa Wagner, both with Sierra Nevada Journeys; Sarah Holcombe with Truckee Meadows Parks Foundation; Iris Jehle-Peppard with One Truckee River; Mandy Bengtson and Susan Mortenson, both with SWCA Environmental Consultants; Mark Cameron and Laura Szoke, both with Keep Truckee Meadows Beautiful; Catrina Peters and Brynna Nichols, both with Washoe County; Grant Denton with Karma Box; and Beth Christman with Truckee River Watershed Council.

\* Committee member arrived after roll call

\*\* Committee member left meeting before adjournment

**Agenda Item #1: Roll Call:** Roll call was taken. A quorum was noted.

**Agenda Item #2: Public comment:** There was no public comment at this time.

**Agenda Item #3: Approval of the agenda (for possible action):** The agenda was unanimously approved.

**Agenda Item #4: Approve the May summary meeting minutes (for possible action):** The Meeting Minutes (Transcript Summary) for May 21, 2021 was unanimously approved.

**Agenda Item #5: Fund balance report:** Lauren stated that the amount available to spend is \$718,193.52, which is for the whole year.

**Agenda Item #6: Review grant proposals to Truckee River Fund and select projects to be recommended for funding (for possible action):** The following grant proposals were

considered at length and voted on by the group and approved, rejected/declined, or action taken as follows:

#251, Sierra Nevada Journeys: Watershed Education Initiative for the Urban Truckee River Corridor, amount requested \$30,055. The full amount requested of \$30,055 was unanimously approved. Sean Hill and Alyssa Wagner were present to provide input and answer questions.

#252, Truckee Meadows Parks Foundation: Dog Waste Awareness Campaign, amount requested \$60,775. The full amount requested of \$60,775 was unanimously approved. Sarah Holcombe was present to provide input and answer questions.

#253, Truckee River Foundation DBA One Truckee River: OTR River-Friendly Landscaping Program Expansion, amount requested \$48,000. The full amount requested of \$48,000 was unanimously approved. Iris Jehle-Peppard was present to provide input and answer questions.

#254, Truckee River Foundation DBA One Truckee River: One Truckee River Brodhead Park Restoration Project: Phase 1, amount requested \$69,724. The full amount requested of \$69,724 was unanimously approved. Iris Jehle-Peppard was present to provide input and answer questions. Mandy Bengtson and Susan Mortenson were also present and provided additional input.

#255, Keep Truckee Meadows Beautiful: KTBM's 2022 Great Community Cleanup, Truckee River Cleanup, Adopt-A-River Program, & Adult and Community Education Program, amount requested \$82,880. The full amount requested of \$82,880 was unanimously approved. Mark Cameron and Laura Szoke were present to provide input and answer questions.

#256, Washoe County: River Stewards Project, amount requested \$219,164. The full amount requested of \$219,164 was unanimously approved. Catrina Peters, Grant Denton and Brynna Nichols were present to provide input and answer questions. John Enloe requested that two things be added to the scope of work: On page 2, number 4, on providing education, that they add caring for public facilities to that; and then, in number 5, related to the cleaning and such of the Portland Loos, that they add report incidents or damage to One Truckee River. Ms. Peters indicated that was not a problem.

#257, Truckee River Watershed Council (TRWC): Prosser Basin Sediment Reduction Plan, amount requested \$44,000. The full amount requested of \$44,000 was unanimously approved, with additional language regarding monitoring, the language to be prepared by Don, Terri and Beth, that Lauren will put into the scope. Beth Christman was present to provide input and answer questions.

Project advisors for the approved proposals were assigned as follows: #251, Michael Cameron; #252, Jim Smitherman; #253, Terri Svetich; #254, Don Mahin; #255, Candice Elder; #256, Brian Bonnenfant; and #257, Mike Brisbin.

**Agenda Item #7: Committee and staff comments:**

There were Committee comments regarding a Committee member being present at TMWA Board meetings when TRF proposals are being considered. Terri will attend the September 15th TMWA Board meeting. Janet and Michael will talk with TMWA Board Member Brekhus regarding repeat proposals. Lauren stated that she does attend those TMWA Board meetings in case there are questions on the grant process.

Michael commented about inviting Iris to come to the next meeting and talk about how One Truckee River prioritizes and what we can expect from them in the future. Similarly, he commented about inviting the Truckee River Watershed Council to join and talk about how they prioritize the projects, and is there anything we'd like them to consider, so that we get the best proposal possible. These conversations might be helpful to reassure the TMWA Board that as we do approve multiple recipients, we're thinking hard about that and are evaluating it. Janet will put these on the November 19th meeting agenda.

Janet commented the other one that wants to give us a short talk is the Truckee Meadows Stormwater Permit Coordinating Committee. Terri commented about how that idea came about when she spoke with Theresa Jones about what the Stormwater Committee is doing and what role they are playing. Janet will put this on the November 19th agenda as well.

Sonia Folsom commented that, unfortunately, they had to cancel their 20th anniversary summer party, which was scheduled on August 28th, due to the situation, but they will plan a bigger one for next year.

**Agenda Item #8: Next meeting: November 19, 2021 (for possible action):** The next meeting is set for November 19, 2021 at 8:30 a.m. No action was taken.

**Agenda Item #9: Public comment (limited to no more than three minutes per speaker):** There was no public comment.

**Agenda Item #10: Adjournment (for possible action):** The meeting was adjourned at 10:52 a.m. No action was taken.



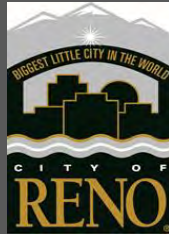
# Truckee Meadows Stormwater Permit Coordination Committee SWPCC

Theresa Jones, MSc, PE, Associate Civil Engineer, City of Reno





# Theresa Jones, MSc, PE



Associate Civil Engineer, Flood &  
Drainage, Bridge Maintenance,  
Stormwater Programs Manager and  
SWPCC Coordinator

## Focus

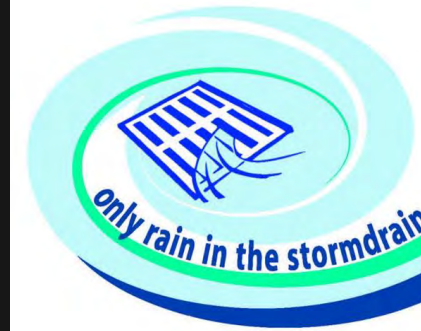
- All about water:
  - Flood protection
  - Water quality improvement
- Service to the community

11-19-21 TRF Agenda Item 5



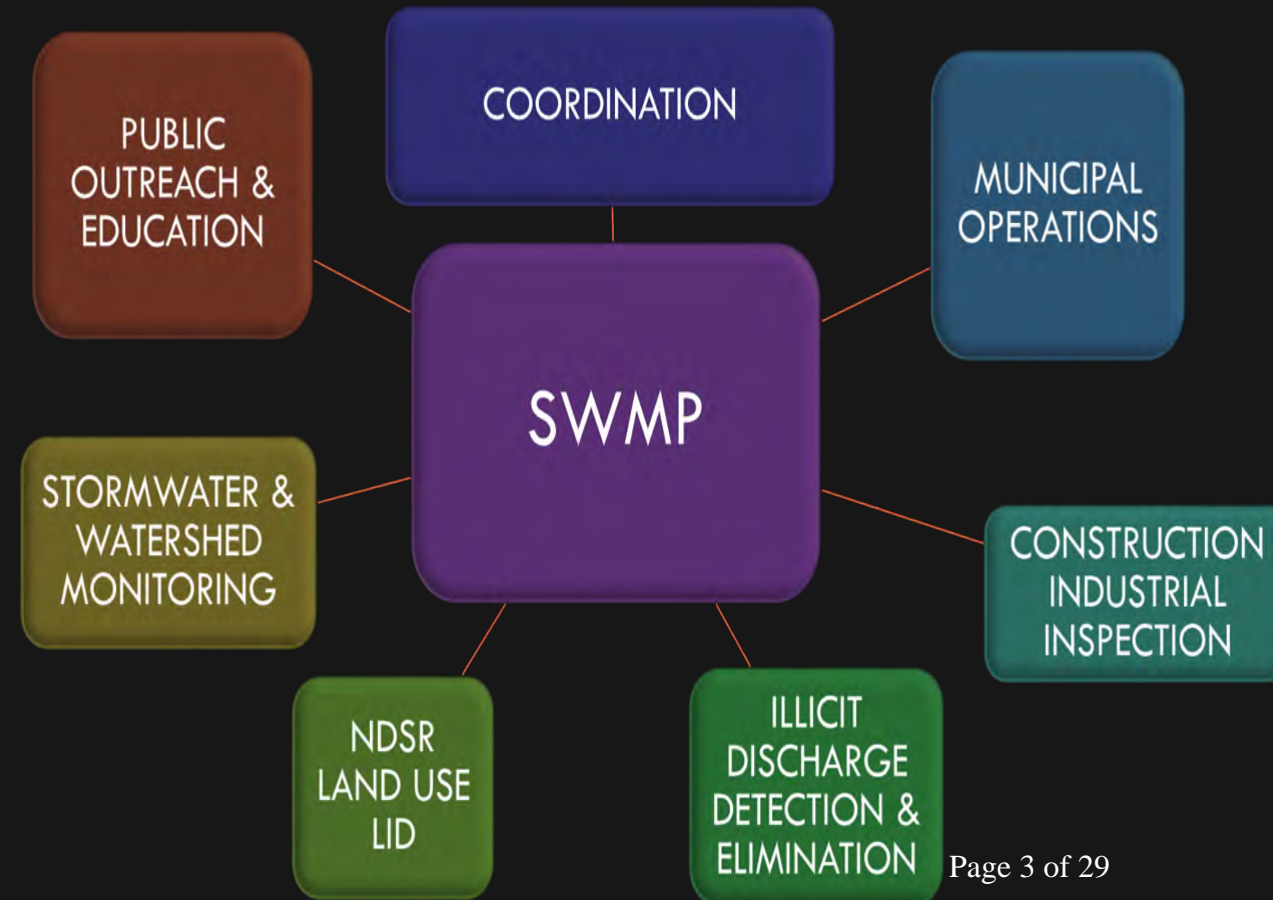
# Stormwater Permit Coordinating Committee (SWPCC)

- Formed in 1990 through an interlocal agreement with Reno, Sparks and Washoe County
- Developed the **Stormwater Management Plan (SWMP)** in 2001
- Implements 7 program elements
- Includes watershed management
- City of Reno administers the program



11-19-21 TRF Agenda Item 5

**Truckee Meadows**  
**Stormwater Permit**  
**Coordinating Committee**  
Reno · Sparks · Washoe County

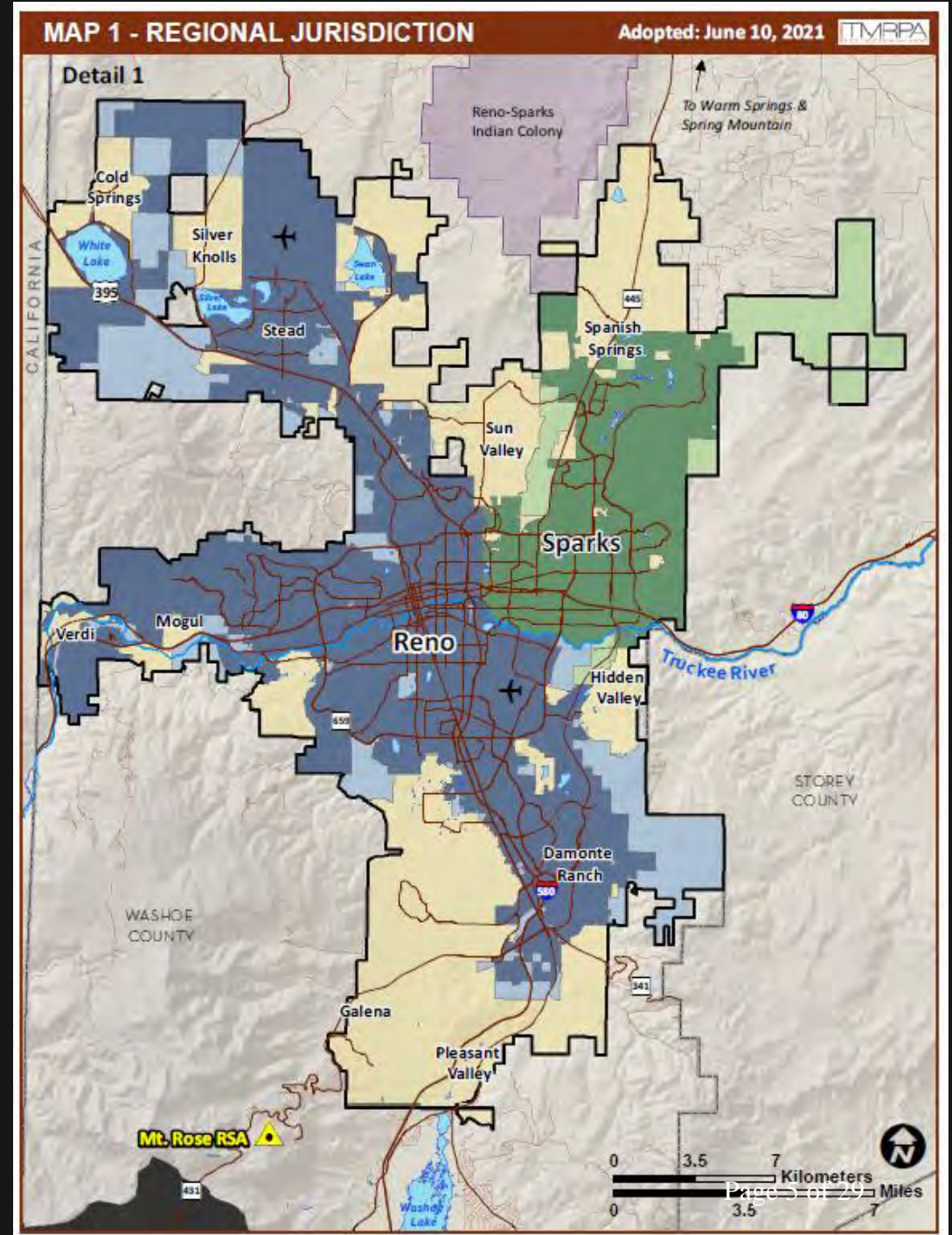
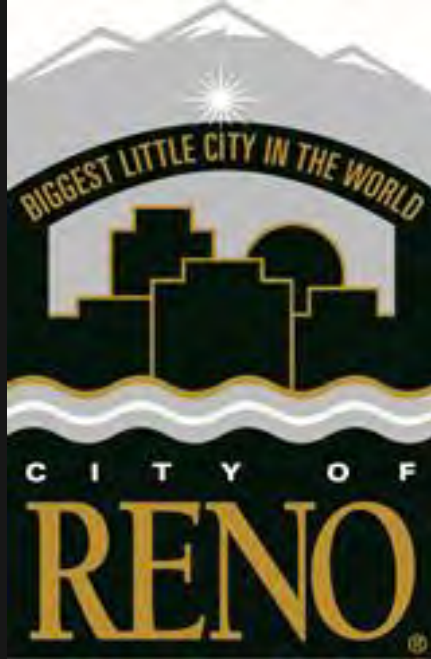




# SWPCC Members

- City of Sparks
  - Kevin Porter – Current Chair
  - Cody McDougal
- Washoe County
  - Walt West
  - Jennifer Heeran
- City of Reno - Administrator
  - James Pehrson
  - Theresa Jones – SWPCC Coordinator
- Budget
  - Administrative: \$262,500
  - Total: Over \$6 Million
- Important Note:
  - We accomplish A LOT
  - Each member has many other responsibilities
  - Members are not dedicated just to stormwater management –water quality
  - This is a disadvantage compared to NDOT's programs and some non-profits

# Stormwater Management for the Truckee Meadows



# SWPCC Accomplishments and On-going Efforts

- LOGO – this is part of advertising ALL the documents we produce
- Trends analysis of water quality data along urban outfalls and tributaries
- Updated the Watershed Management and Protection Plan to Tributaries to the Truckee River
- 2021 Tributary Assessments
- Revised and updated the Low Impact Development training – recorded and available
- Revised Construction Site BMP training – recorded and available on our website to view anytime!
- Truckee Meadows HOA training
- Partnering with TMPF Dog Waste Program
- Truckee Meadows Clean-up Day – storm drain stenciling
- TMWA Informational pamphlet stormwater management linked to TMWA's social media
- Updated TMStormwater.com
- Water Quality Crediting Program
- Update to Chapter 5 of the Comprehensive Regional Water Management Plan
- Stormwater presentation to Watershed Warriors
- TRIG revitalization – Partnering with OTR and TMRPA

# SWPCC Logo



**Truckee Meadows**  
**Stormwater Permit**  
**Coordinating Committee**  
**Reno · Sparks · Washoe County**



# Annual Water Quality Monitoring Trends Analysis

Truckee Meadows Storm Water Monitoring Annual Report  
Fiscal Year 2021

11-19-21 TRF Agenda Item 5



Prepared for:



Prepared by:



In Cooperation with:



November 2021

Page 8 of 29

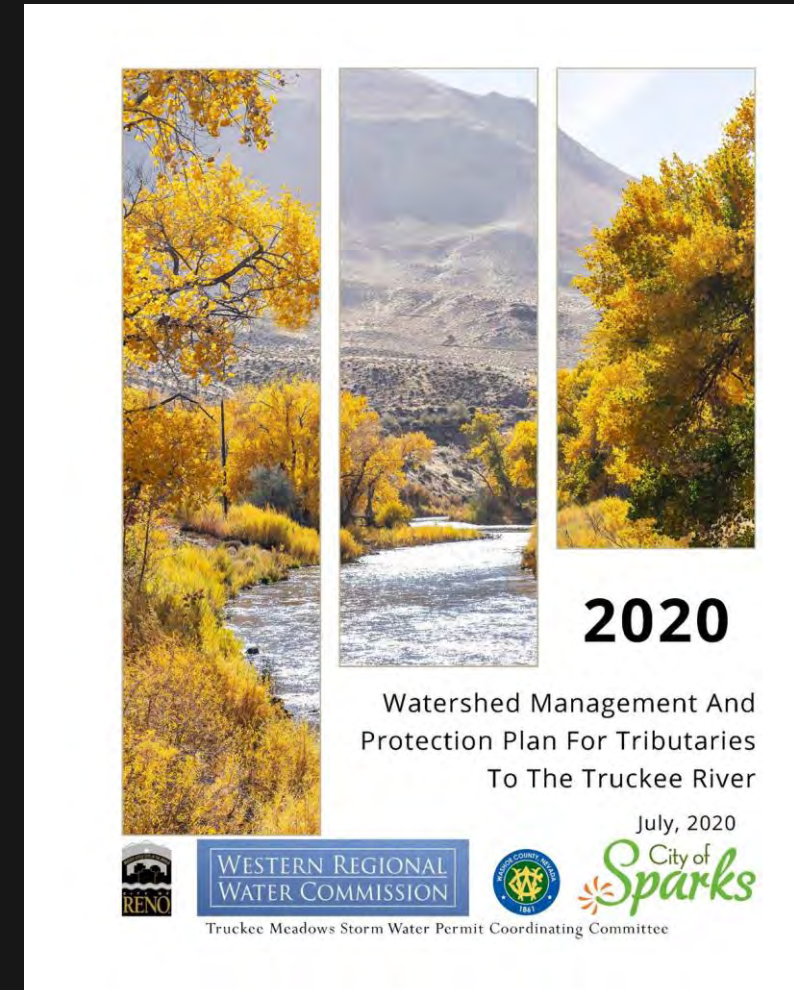
# Watershed Management and Protection Plan for Tributaries to the Truckee River

Created NDEP pre-approved 319(h) project type list

Developed project list per agency

Created Project Template for 319(h) application

Truckee Meadows agencies now qualify for entire  
annual funds allotted to Nevada



# City of Reno Project List

Project Count	Entity	Creek	Approximate Location	Water Quality Issue	Proposed Management Measures	Date Submitted to NDEP 319(h) funding	Status of 319(h) Funding (TBD, Submitted, Accepted, Denied)	Status (Proposed, Drafted, Submitted, Approved for Funding, Constructed)	Project Type
1	City of Reno	Chalk	Saphire Ridge Way to West 7th Street	Soils and hydromodification has caused severe bank incision, resulting in erosion and sediment loading.	Restore and stabilize channel through erosion and grade control measures.	TBD	Accepted	Approved	Channel restoration and stabilization
2	City of Reno	Chalk	Valleywood to Mae Ann	This is a vegetation project with a section devoid of vegetation and subject to erosion.	Remove white top and restore vegetation. A SW basin may need to be created. Bank stabilization near multiuse path may be needed.	TBD	TBD	Proposed	Integrated vegetation management practices
3	City of Reno	Alum	Within Caughlin Ranch HOA Property	Persistent severe incision/erosion is present and lawn landscaping has effected the stream channel.	Restore channel and establish grade controls may be needed.	TBD	TBD	Proposed	Channel restoration and stabilization; integrated vegetation management practices

- Living Document
- Resource for entities



# City of Sparks Project List

Project Count	Entity	Creek	Approximate Location	Water Quality Issue	Proposed Management Measures	Comments	Date Submitted to NDEP 319(h) funding	Status of 319(h) Funding (TBD, Submitted, Accepted, Denied)	Status (Proposed, Drafted, Submitted, Approved for Funding, Constructed)	Project Type
7	City of Sparks	North Truckee Drain	Spanish Springs Dam to I-80 box culvert	High flow events have caused erosion and sediment loading throughout the tributary.	Erosion and sediment control improvements are needed as well as a reestablishment of the flowline.	This would be a multiphase project.	TBD	TBD	Proposed	Channel restoration and stabilization
8	City of Sparks	North Truckee Drain	Spanish Springs Dam to I-80 box culvert	Invasive weeds and vegetation are present throughout the tributary.	Weed and vegetation abatement, as well as channel stabilization are needed.	This would be a multiphase project. There is an opportunity for public outreach regarding water quality and education about the tributary and river system.	TBD	TBD	Drafted	Integrated vegetation management practices
9	City of Sparks	North Truckee Drain	Baring Drive to Lillard Drive	Sediment and debris impacts from storm drain outfalls are located throughout high density residential areas.	Stormwater treatment devices should be installed at major outfalls.	Project would include establishing a maintenance schedule to inspect and clean the treatment vaults periodically and before storm events.	TBD	TBD	Proposed	Stormwater management



# Washoe County Project List

Project Count	Entity	Creek	Approximate Location	Water Quality Issue	Proposed Management Measures	Date Submitted to NDEP 319(h) funding	Status of 319(h) Funding (TBD, Submitted, Accepted, Denied)	Status (Proposed, Drafted, Submitted, Approved for Funding, Constructed)	Project Type
10	Washoe County	South Evans	Through Anderson Park, Del Monte Lane to Bonde Lane	Historical hydromodification causes frequent flooding, resulting in erosion and sediment loading.	Restore channel and floodplain through park setting.	TBD	TBD	Proposed	Channel restoration and stabilization
11	Washoe County	Galena	Lower Reach – I-580 bridge to Steamboat Creek	Erosion, undercutting, noxious weeds, hydromodification, and sediment loading are present along the project site.	Restore reach, channel and floodplain.	TBD	TBD	Proposed	Channel restoration and stabilization, Integrated vegetation management practices
12	Washoe County	Jones	Callahan Ranch Road to Galena Creek	Persistent severe incision/erosion are present.	A restoration of the channel and an establishment of grade controls are likely needed.	TBD	TBD	Proposed	Channel restoration and stabilization

# Watershed Assessments for Tributaries to the Truckee River

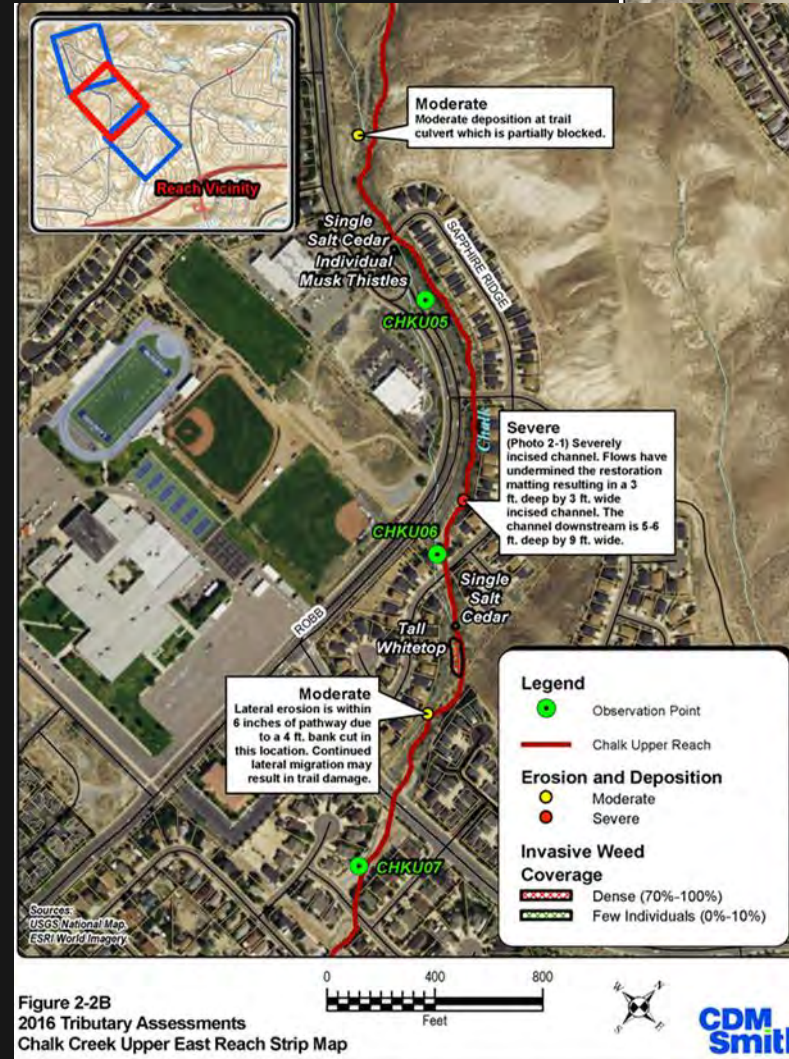
- Tributary assessments conducted in 2002, 2005-2012 and 2015-2017
- Baseline 2002 Assessments covered:
  1. Geographic and hydrologic descriptions of streams
  2. Relevant physical descriptions
  3. Geology of soils
  4. Slope
  5. Wetlands
  6. Areas prone to flooding
  7. Vegetative cover





# Tributary Assessments Product: Chalk Creek

- Annual assessments focus on different tributaries and different reaches within each tributary
- Increased inspection frequencies for stream reaches with active degradation
- Problem areas are mapped, assessed and photo documented
- Provide data for 319 grant applications





# Background: Chalk Creek

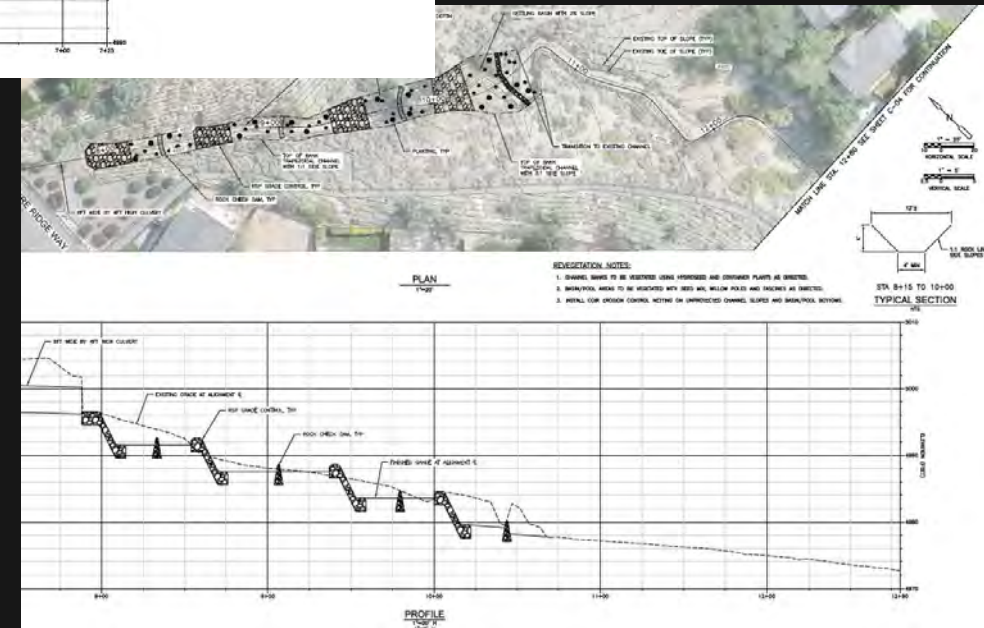
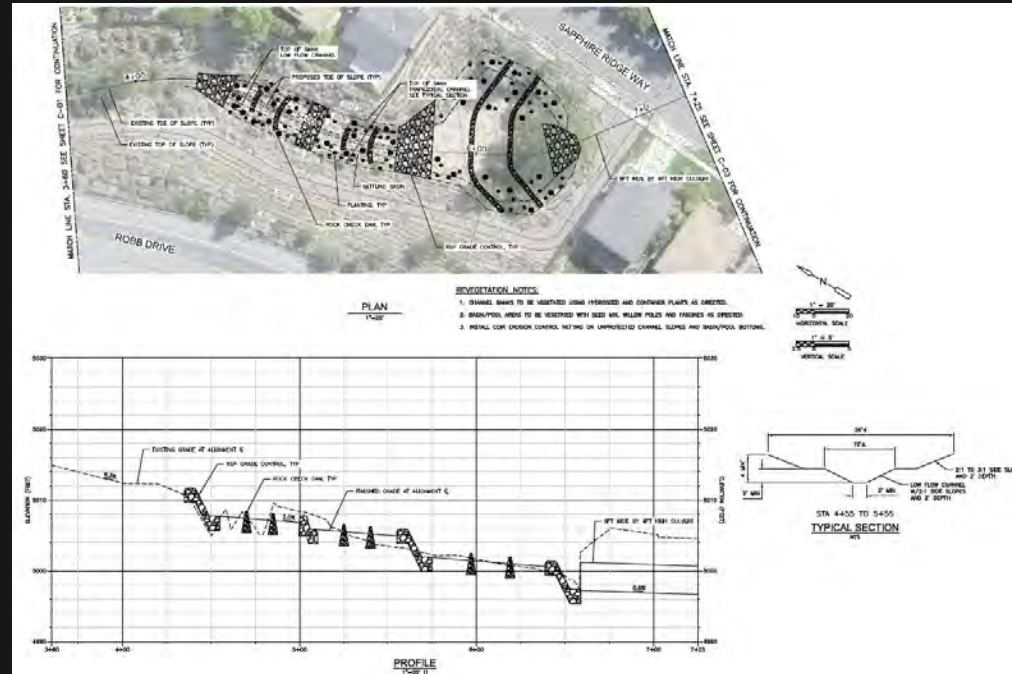
- Development built in 2004
- Chalk Creek realigned as part of Sapphire Ridge development
- 2007 annual watershed assessment identified geotextile failure
- Addressing restoration needs hindered by the 2008 Great Recession and competing priorities





# Collaborative Funding Chalk Creek

- 319(h) funding was secured for restoration of Sapphire Ridge section of Chalk Creek
- One Truckee River provided \$10,000 match
- Currently in design phase, restoration planned for 2023
- Bank stabilization is estimated to reduce 48 tons of sediment, 40.6 lbs of phosphorous, and 81.4 lbs of nitrogen annually



# Refresher Training: Low Impact Development

Training sessions were  
virtual

Sessions were  
recorded and are stored  
on TMStormwater.com

## **FREE Technical Training (Virtual):** **Truckee Meadows Structural Controls Design and Low Impact Development (LID) Manual**

Presented By TMSWPCC

(Truckee Meadows Storm Water Permit Coordinating Committee)



**Monday, June 28**  
**8:30 AM - 5:00 PM &**  
**Tuesday, June 29**  
**8:00 AM - 12:00 PM**

**Register by emailing:**

Daniel Moss, PE - [mossd@reno.gov](mailto:mossd@reno.gov)

*A certificate of attendance will be  
provided for Professional Development  
Hours (12 PDHs)*

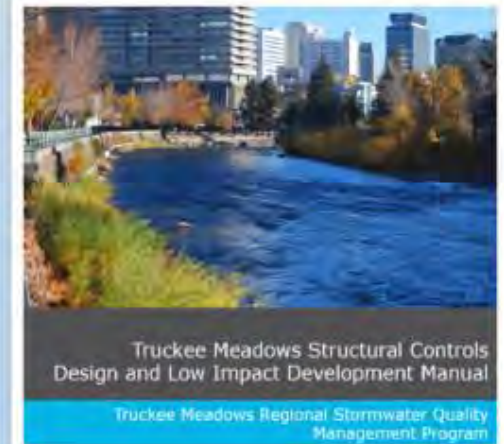
### **Presenters:**

Mark Gookin, PE  
Claire Archer, PhD



### **Course Content:**

- Purpose & organization of Manual
- National Pollutant Discharge Elimination System (NPDES) regulations
- Regional policies and procedures
- Truckee Meadows Stormwater Quality Management
- Principles of Low Impact Development (LID) design
- Source Controls & Treatment Controls
- How to complete the Design Guidance Worksheets



April 2015 Update



Prepared by  
**NCE**



# Refresher Training: Stormwater Compliance & BMPs for Construction Sites

11-19-21 TRF Agenda Item 5



Photo Credit: Daniel Moss

Updated June 2021



*This message is brought to you by*



**Truckee Meadows  
Stormwater Permit  
Coordinating Committee**  
Reno • Sparks • Washoe County

# Management and Landscaping for HOAs



**Truckee Meadows**  
Stormwater Permit  
Coordinating Committee  
Reno · Sparks · Washoe County



**one  
truckee river**



# TMPF – SWPCC Dog Waste Program

- SWPCC donates approximately \$2,500 annually in dog waste bags
- Sponsored new dog waste bag station at Peavine Fields



TRUCKEE MEADOWS  
**PARKS FOUNDATION**  
AWARENESS • APPRECIATION • STEWARDSHIP



**Truckee Meadows**  
Stormwater Permit  
Coordinating Committee  
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# SWPCC – KTMB Stenciling

- 2020 Truckee River Clean-up Day
  - 223 storm drain catch basins stenciled
- Spring 2021
  - > 100 storm drain catch basins stenciled
- Fall 2021
  - ~ 95 storm drain catch basins stenciled



**Truckee Meadows**  
Stormwater Permit  
Coordinating Committee  
Reno · Sparks · Washoe County

 **KTMB**  
KEEP TRUCKEE MEADOWS BEAUTIFUL



# Informational Pamphlet Billing Insert

## Collaborative effort with TMWA



### How can I prevent pollution?

To reduce your impact on the river, consider adapting the following five easy guidelines:



#### 1 Proper home auto maintenance

- Clean up spills
- Use a car wash
- Dispose of fluids and waste properly
- Prevent leaks by keeping car well-maintained



#### 2 Dispose of home chemicals properly

- See disposal guide at: [KTMB.org](http://KTMB.org)



#### 3 Improve garden & lawn maintenance

- Conserve landscape irrigation
- Don't overwater - No urban slobber!
- Avoid raking/blowing leaves into street
- Don't over-fertilize and use organic fertilizer



#### 4 Pick up after pets

- Do your part and pick it up!



#### 5 Avoid & report prohibited discharges

- Sediment runoff from construction sites
- Commercial or residential car wash wastewater
- Sewer overflows
- Dumping of liquid waste, such as:
  - Chlorinated pool water
  - Water softener brine backwash
  - Reclaimed or recycled water

Visit [TMStormwater.com](http://TMStormwater.com) for more detailed information on these guidelines.

Also, look for prohibited discharges or other concerning activity that may enter the storm drain system and contact the agencies listed on this pamphlet. Once contacted, we will send an inspector to investigate the problem.

**Remember, only rain in the stormdrain!**



### What is the storm drain system?

#### Just look out your door!

The municipal storm drain system is made up all infrastructure that transmits stormwater, including: **curb and gutters, inlets, pipes, ditches, and channels.**

Untreated stormwater flows into the local creeks and into the Truckee River. When a storm hits, storm drains carry concentrated pollution that can cause long-term chemical buildup in the river, which leads into Pyramid Lake.



### TRUCKEE RIVER FACTS



#### Drinking water

80% of TMWA customer's drinking water is supplied by the Truckee River.



#### Pyramid Lake - the river's terminus

The Truckee River flows into Pyramid Lake, a one-of-a-kind inland desert lake, with world-class fishing. This lake is also sensitive to pollution.



#### Diverse ecosystem

Mammals, birds, fish, amphibians, plants & insects species are all part of the river's ecosystem.



#### Ecosystem is sensitive to pollution

The Truckee River's ecosystem is highly sensitive to pollutants, including pesticides, herbicides, and other hazardous chemicals. These pollutants can get humans sick, too.





# Keep Our Truckee River Clean!

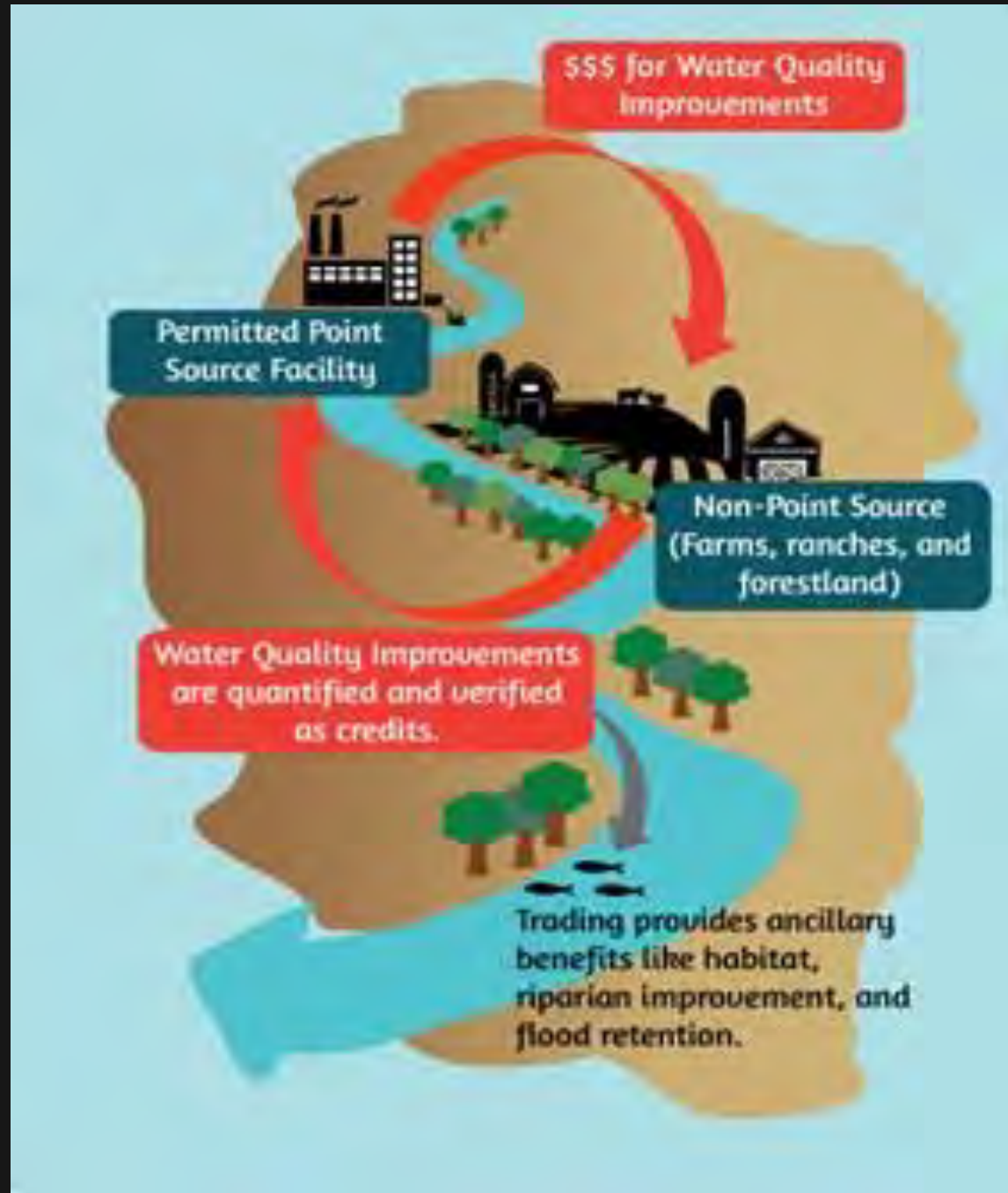
Only Rain in the Stormdrain



# Water Quality Credit Program

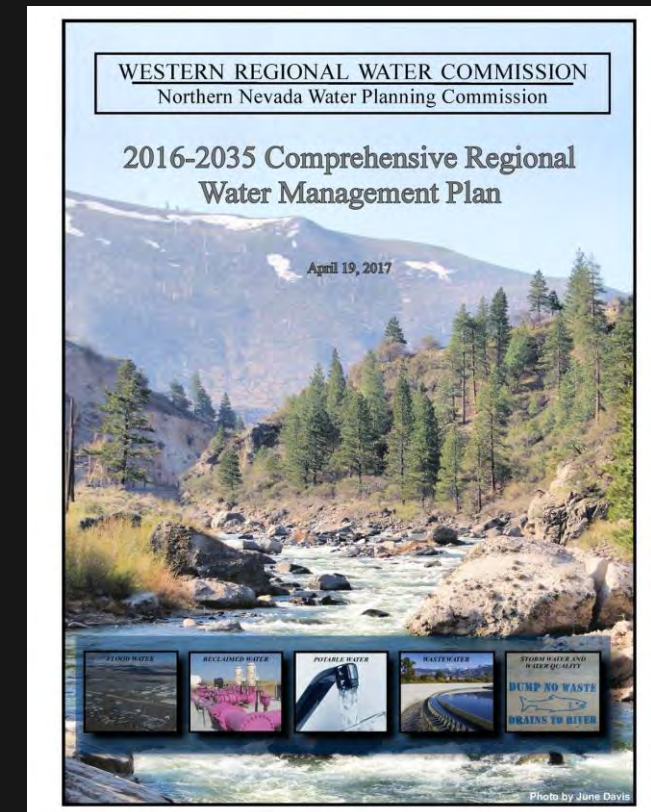
Funded by  
WRWC

SWPCC part of  
core team for  
development



# 2021-2040 Comprehensive Regional Water Management Plan

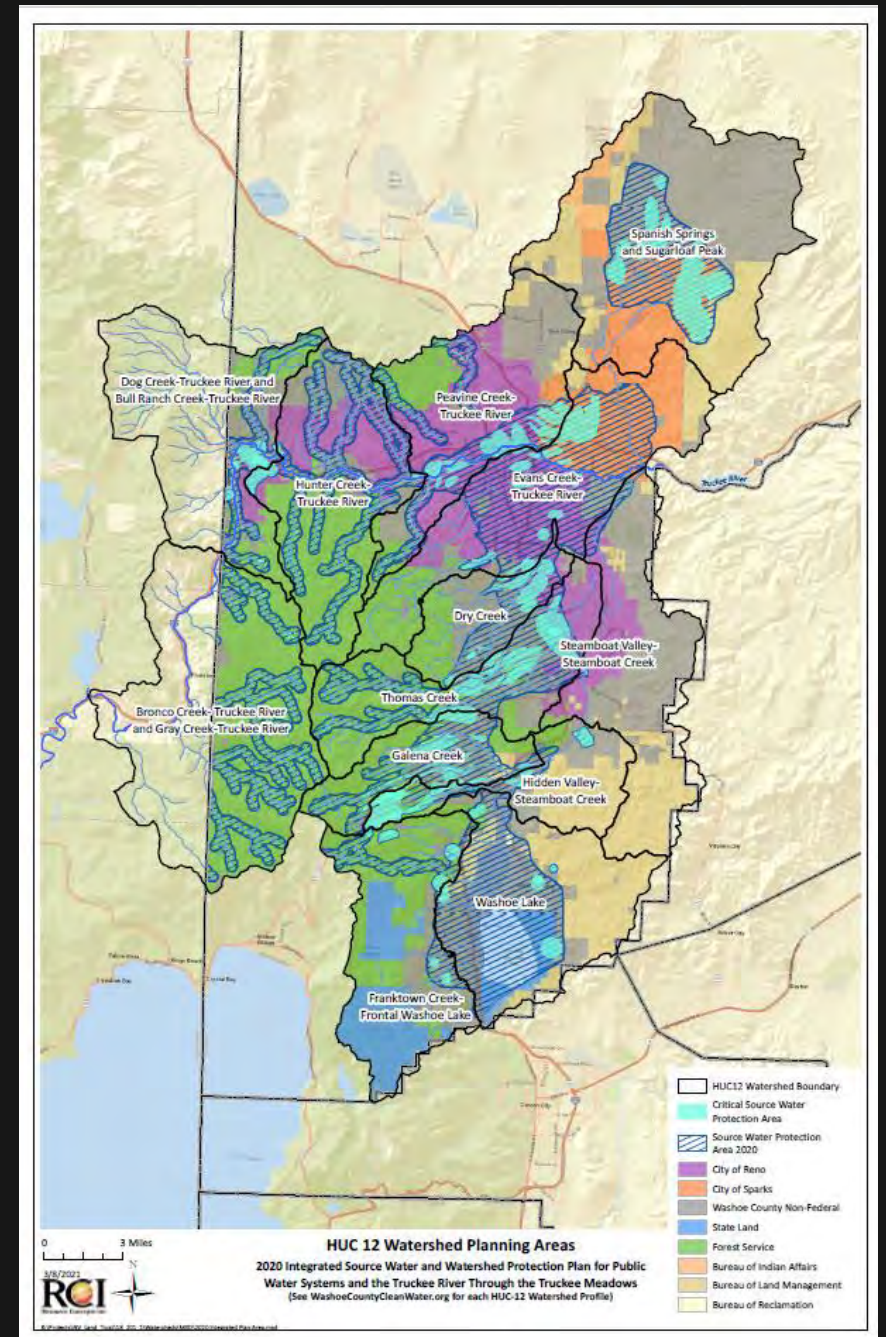
- Update of *2016-2035 Comprehensive Regional Water Management Plan*
- Documents most recent planning efforts
- Provides history of past accomplishments
- SWPCC hired NCE to update Chapter 5 - Stormwater and Watershed-Based Water Quality Planning





# Integrated Source Water Protection Plan

- Facilitates preservation and improves the quality of groundwater, lakes, rivers, springs, and streams
- Multi-jurisdictional planning effort
- Monthly updates to the SWPCC
- Planning area includes watersheds and groundwater basins containing existing and potential future sources









# Thank You



# Questions?

## One Truckee River's (OTR) Priority Action Item Update for November 1, 2021



OTR is a nonprofit that coordinates a partnership of public and private partners who work together to strive for OTR's mission *to ensure a healthy and thriving river connected to its community*. Our goal to reach our mission is to complete the implementation of the OTR Management Plan. The following is a summary update of prioritized OTR Action Item determined by OTR Partnership Council. If you know of efforts related to OTR prioritized Action items not mentioned, please reach out to OTR staff to have those efforts included.

### **Water Quality - Goal 1: Ensure and protect water quality and ecosystem health in the Truckee River.**

#### **Action Item 1.1.a) Identify location of all high-volume storm drains and the largest storm water contributions to the Truckee River.**

- Identification of high-volume storm drains into the river reported in *Truckee Meadows Regional Storm Water Quality Management Program 2017 Stormwater Sampling and Analysis Plan* prepared by Balanced Hydrologics, Inc. prepared for the City of Reno in cooperation with: City of Sparks, Washoe County and the NV Department of Transportation. Now, Truckee Meadows Regional Planning Agency works to map out watershed boundaries.

#### **Action Item 1.2.a) Develop Truckee River Watershed Management Plan through stakeholder coordination and consensus process.**

- The *2020 Integrated Source Water and 319(h) Watershed Protection Plan for Public Water Systems and the Truckee River in the Truckee Meadows* is complete and approved by the NV Division of Environmental Protection (NDEP). This living document is publicly available at [www.WashoeCountyCleanWater.org](http://www.WashoeCountyCleanWater.org). Now, the City of Reno is moving the Chalk Creek Project forward, and Truckee Meadows Stormwater Permit Coordinating Committee (TMSWPCC) is exploring a contract with NCE to collect data on select projects identified in the Watershed Protection Plan.

#### **Action Item 1.3.c) Ensure adequate public restrooms along the Truckee River. Initiate a pilot study of temporary restroom facilities in priority areas along the river corridor.**

- River Restroom Project identifies nine new public restrooms along the river and successfully completed Phase I: a new Portland Loo at Brodhead Park. This Loo has been open to the public for a year with no major incidents, and collaborators are implementing human service outreach, education, and clean-ups along the Truckee River. Now, OTR staff are working with OTR partners to raise funds to install a Portland Loo at: 1) John Champion Park, 2) Bicentennial Park, and 3) Mayberry Park.

#### **Action Item 1.4.c) Develop and implement a coordinated vegetation management plan along the river.**

- A collaborative process, led by Nevada Land Trust (NLT) is underway to complete a coordinated vegetation management plan along the river, including planning for a pilot restoration project and leading an adult education program for homeowners to conduct River-Friendly Landscaping practices. Now, the process is developing a restoration "cookbook" to test and needs to identify partners' priorities for restoration work along the mainstream of the Truckee River.

In addition, during the OTR Partnership Council 1<sup>st</sup> quarter 2021 meeting, Goal 1 Group identified a need to explore building and planning source water messaging to more than 100 public water sources that are not TMWA.

**A Thriving River Environment - Goal 2: Create and sustain a safe, beautiful and accessible river connecting people and places.**

**Action Item 2.1.e) *Enhance Truckee River visitor safety, access, public facilities (bathrooms) and education.***

- Truckee River Month continues to be held during May and includes over 100+ community events conducted to inspire more to enjoy and care for the Truckee River.
- Keep Truckee Meadows Beautiful, Truckee Meadows Park Foundation, and Sierra Nevada Journeys continue to lead youth education, and adult education is led by Urban Ecology Solutions through OTR's River Friendly-Landscaping.
- OTR staff continue to build relationships with RTC and Truckee Meadows Trails efforts.

**Action Item 2.2.b) *Complete a multi-jurisdictional signage plan including standards for maps, directions, rules, stewardship and interpretive signs.***

- Led by NLT, a multi-jurisdictional signage plan was completed and 250+ signs have been installed, including maps, directions, rules, stewardship, and interpretive signs along the river. Funding is needed for sign installations that are technically challenging such as over bridges.

**Action Item 2.6.a) *Expand the continuum of housing options, including a permanent overflow shelter, transitional housing, and access to permanent, supportive housing, including the wrap-around services needed to support residents.***

- OTR's Human Service Educator is finalizing three project profiles to support this Action Item for OTR human service agencies to review and provide input in the Winter of 2021 and for the OTR Partnership Council to review, discuss, and build consensus on in 2022.

In addition, Goal 2 Group is dividing into two groups within the OTR Partnership Council; one related to recreation and the other human service related to homelessness along the Truckee River.

**Public Education and Engagement - Goal 3: Build an aware and engaged community that protects and cares for the river.**

No prioritized action items were developed at the end of 2017. Goal 3 Group identified completing a heat map of environmental youth education as a priority.

**Long-term Management - Goal 4: Ensure the measurable, sustainable and collaborative management of the river for today and into the future**

**Action Item 4.1.a) *Assess existing groups and structures for possible entities to house the management of the OTR Plan and develop recommendations.***

- Completed. OTR transitioned from its fiscal agent, NLT to it's long-term home Truckee River Foundation.

**Action Item 4.2.b) *Create metrics for measuring success and achievements of the plan.***

- OTR - Truckee Meadows Tomorrow - NV Tomorrow Dashboard created to *measure the success and achievements of implementing the OTR Management Plan*. In Fall 2021, Goal group meetings were arranged to review and provide final input on dashboard development.

In addition, the Goal 4 Group identified consensus to explore prioritizing the following:

- Action Item 4.1.b) Identify the statutory or code changes needed to strengthen OTR.
- Action Item 4.2.a) Develop a communication and marketing plan. This effort is underway.



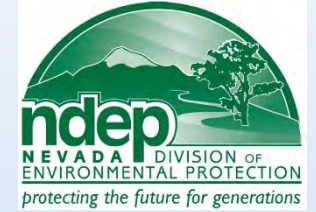


## Truckee River Fund Presentation Friday, November 19, 2021

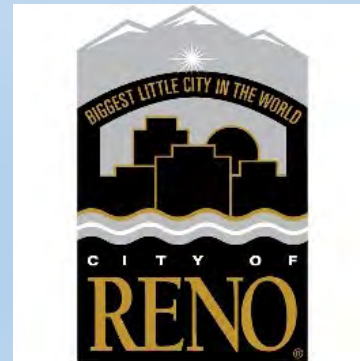




# (Some of) ONE TRUCKEE RIVER

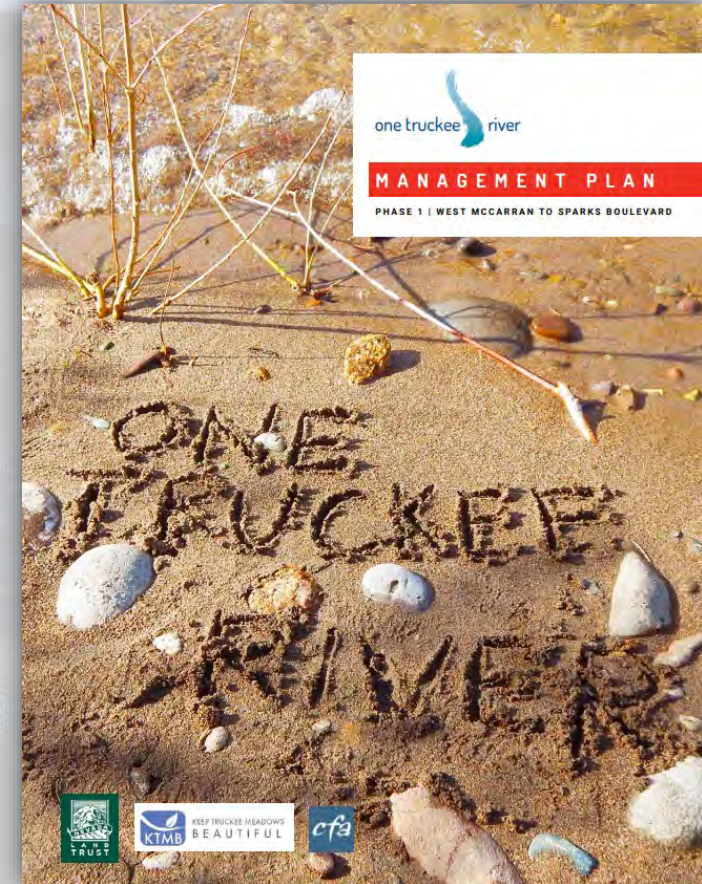


TRUCKEE MEADOWS  
PARKS FOUNDATION  
AWARENESS • APPRECIATION • STEWARDSHIP



**Renown**<sup>®</sup>  
HEALTH







## Nine Focus Areas

Social Issues

Education

**Water Quality**

Sustainable Funding

Stewardship

Ecosystem

Public Safety

Recreation

Quality of Life



## Four Primary Goals

1. Ensure and protect water quality and ecosystem health in the Truckee River
2. Create and sustain a safe, beautiful and accessible river connecting people and places.
3. Build an aware and engaged community that protects and cares for the river.
4. Ensure the measurable, sustainable and collaborative management of the river for today and into the future.



# OTR seeks to coordinate existing agencies efforts and documents to implement the *OTR Management Plan*





The One Truckee River Management Plan was unanimously approved by the following municipalities in September of 2016:



**City of Sparks**

on September 26, 2016



**Washoe County**

on September 27, 2016



**City of Reno**

on September 28, 2016

The One Truckee River Management Plan  
received the following awards in 2016:

**2016 Golden Pinecone Innovation Award**

**2016 American Planning Association Outstanding Environmental Plan**





# Accomplishments

- Baseline mapping
- Community knowledge survey
- Teacher resource and photo guides
- Watershed education guide
- Personal flotation device station
- Mile markers
- AB379
- Coordination team hired
- One Truckee River Month
- River Stories and River Photos contests
- ArTrail with Washoe County
- Working to monitor partners' progress to support increased communication and limit duplication

## **Goal 1 - Water Quality**

- 1.1.a) Identify location of all high-volume storm drains and the largest storm water contributions to the Truckee River.
- 1.2.a) Develop Truckee River Watershed Management Plan through stakeholder coordination and consensus process.
- 1.3.c) Ensure adequate public restrooms along the Truckee River. Initiate a pilot study of temporary restroom facilities in priority areas along the river corridor.
- 1.4.c) Develop and implement a coordinated vegetation management plan along the river.

## **Goal 2 - A Thriving River Environment**

- 2.1.e) Enhance Truckee River visitor safety, access, public facilities (bathrooms) and education.
- 2.2.b) Complete a multi-jurisdictional signage plan including standards for maps, directions, rules, stewardship and interpretive signs.
- 2.6.a) Expand the continuum of housing options, including a permanent overflow shelter, transitional housing, and access to permanent, supportive housing, including the wrap-around services needed to support residents.

## **Goal 4: Measurable, sustainable and collaborative management**

- 4.1.a) Assess existing groups and structures for possible entities to house the management of the OTR Plan and develop recommendations.
- 4.2.b) Create metrics for measuring success and achievements of the plan.



# Prioritized Effort out of OTR Management Plan

1.3.c) Ensure adequate public restrooms along the Truckee River. Initiate a pilot study of temporary restroom facilities in priority areas along the river corridor.





# *Truckee River Restroom Project*

## Phase I and II Overview and beyond

# Restroom Needs Identified along the Truckee River in Nevada

11-19-21 TRF Agenda Item 6

## DRAFT – CONCEPTUAL – FOR PLANNING PURPOSES ONLY – NOT FINAL

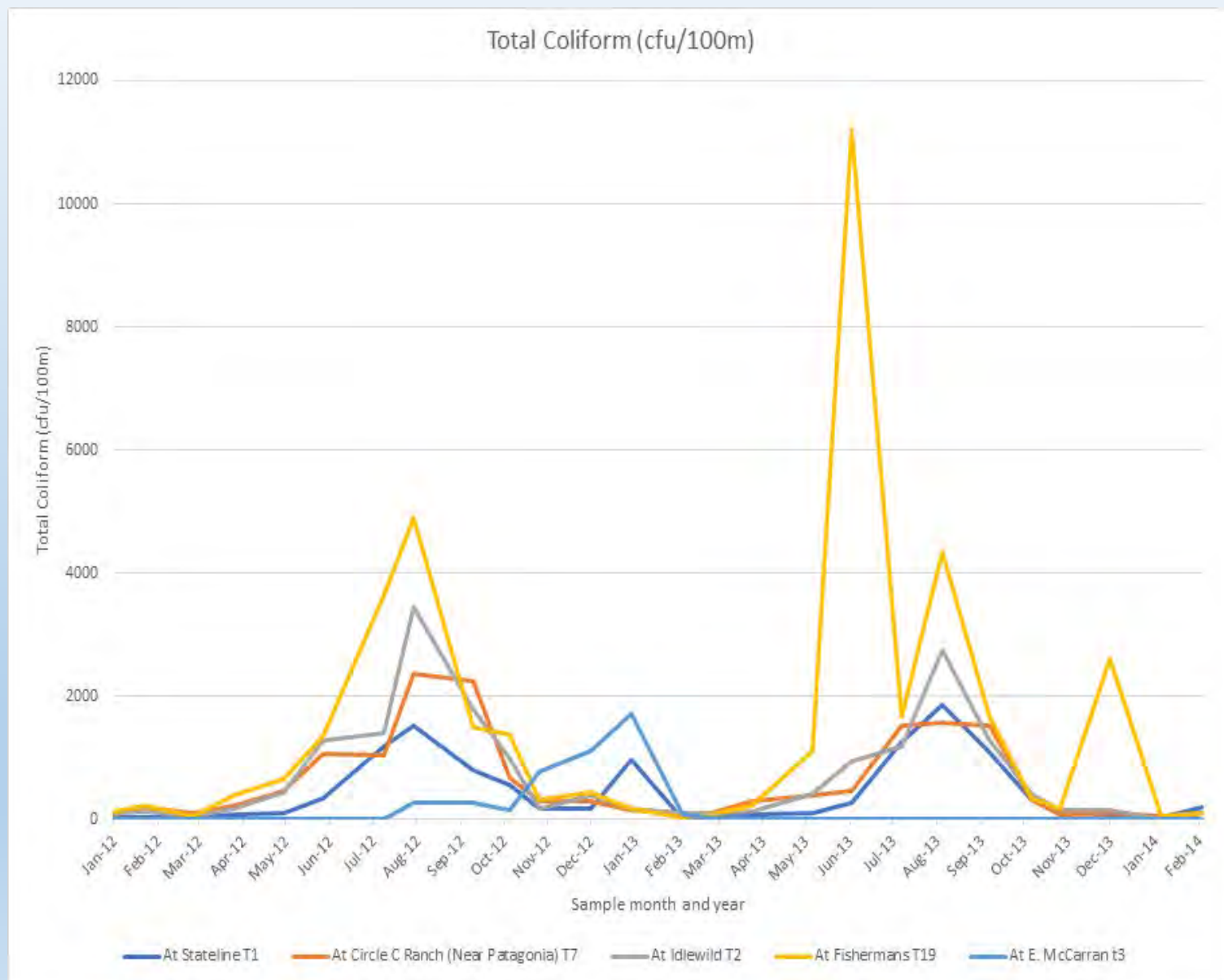
Number of Restrooms	Proposed Restroom Locations*	Property Owner	Proposed Installation	Estimated Funding Required <sup>‡</sup>
Phase I - Completed				
1	Brodhead Park	City of Reno	2020	\$458,090
Phase II – with success from Phase II - 2021 to 2022				
2	John Champion Park	City of Reno	2022	\$258,255
3	Bicentennial Park	City of Reno	2022	\$211,565
Phase III - with success from Phase III – 2023 to 2025				
4	Mayberry Park	Washoe County	2024	\$399,437
5	City Plaza	City of Reno	2024	\$271,255
6	Veteran’s Parkway river crossing	City Sparks	2025	\$401,491
Phases IV - with success from Phase IV – 2026 to 2028				
7	Tom Cooke Trail/Mayberry	Washoe County	2026	\$399,437
8	Fisherman’s Park	City of Sparks	2027	\$354,497
9	Fisherman’s II	City of Reno	2028	\$628,087
10	Wadsworth area river west side of the bridge near just north of 1-80	Pyramid Lake Paiute Tribe	2029	\$395,611
Total				\$3,847,638

\*Listed above are the ten proposed locations for restroom installation, which were prioritized to improve water quality and address public need. Additional locations have been identified where installation of a public restroom would likely improve water quality conditions.

<sup>‡</sup>Funding requirements include the cost for the equipment/materials, installation, and maintenance of the facility and community engagement.



# Understanding OTR's Priority Water Quality Action Item 1.3.b



## Truckee River Restroom Project Supporters

### Financial Project Supporters

- Truckee Meadows Water Authority
- Truckee River Fund
- NDEP
- Washoe County Regional Parks Open Space
- Washoe County Health District
- Renown Health
- Nevada Land Trust

And project support from Washoe County, Karma Box Project, RISE and Keep Truckee Meadows Beautiful.





# Phase I Overview

## William Brodhead Memorial Park









# Phase II Overview

## John Champion Park



# Phase II Overview

## Bicentennial Park

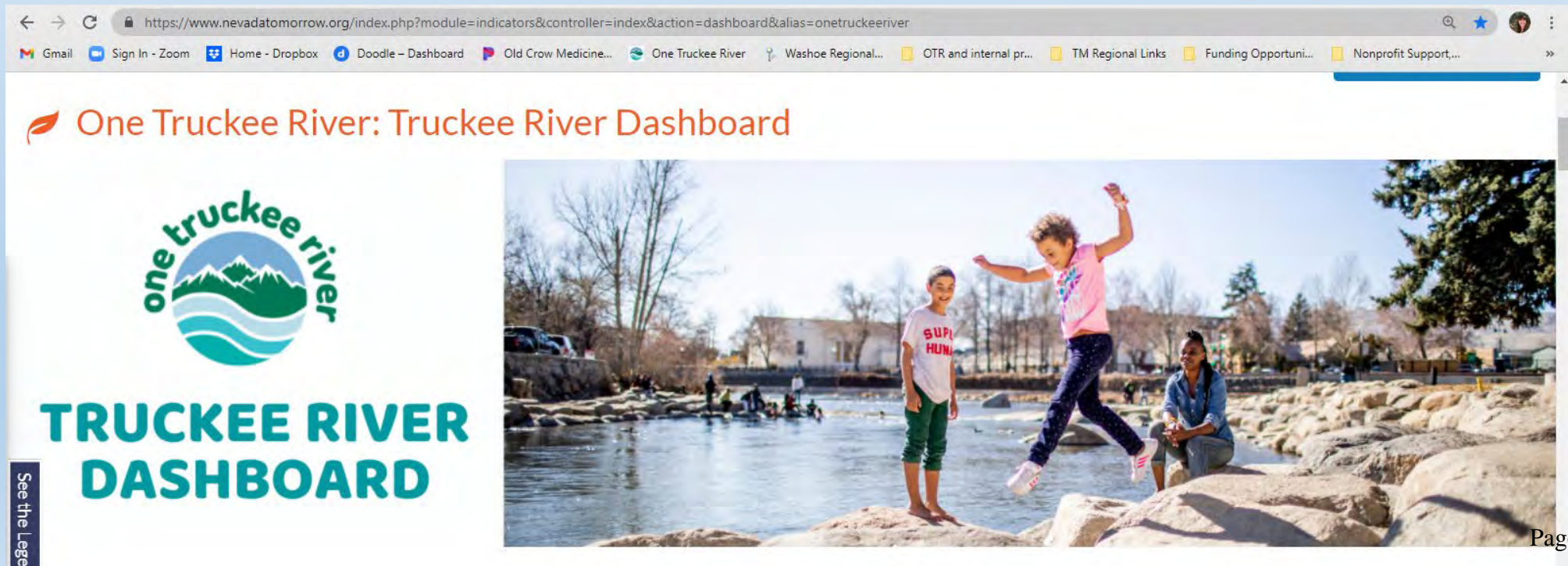






# Prioritized Effort from the OTR Management Plan

4.2.b) Create metrics for measuring success and achievements of the plan.





# Prioritized Effort out of OTR Management Plan

1.4.c) Develop and implement a  
coordinated vegetation management  
plan along the river.





OTR is a “circuit” to support partners to do more for the Truckee River by sparking collaborations and supporting the fundraising process for implementation.

Learn more about One Truckee River at  
[www.onetruckeeriver.org](http://www.onetruckeeriver.org)



Iris Jehle-Peppard, Executive Director  
(775) 450-5489  
[iris@onetruckeeriver.org](mailto:iris@onetruckeeriver.org)

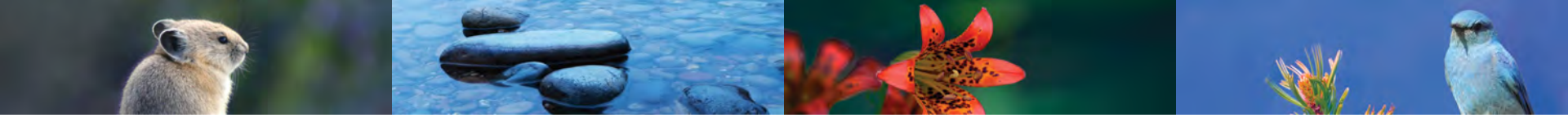


# Successes & Looking Ahead

Lisa Wallace

November 19, 2021

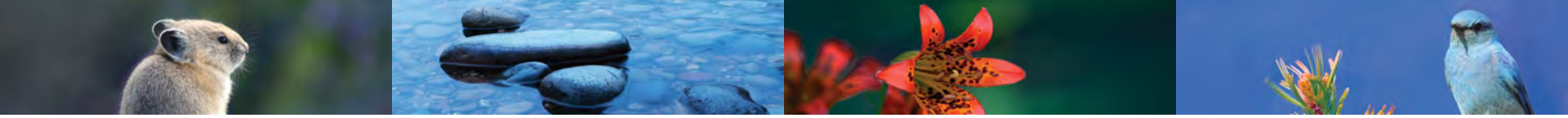




# Mutually Beneficial

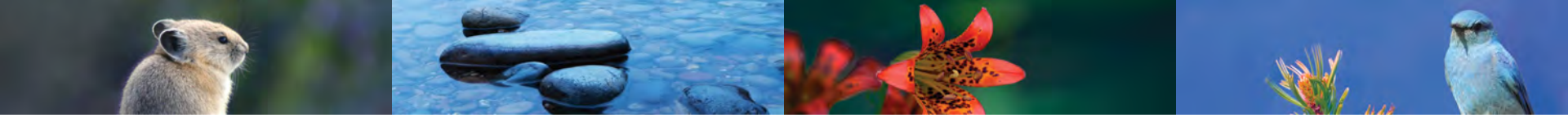
- *The Truckee River Fund ~*
  - protects and enhances the water quality and the water resources of the Truckee River
- *Truckee River Watershed Council ~*
  - brings the community *Together for the Truckee* to protect, enhance and restore the Truckee River watershed





# Mutual Investments

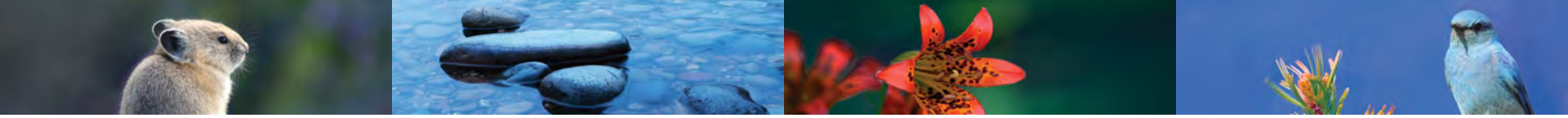
- Fast Facts – TRF & TRWC
  - 2010 to 2021
  - 26 grants
  - \$1,783,250 award
  - >\$3,500,000 leveraged
- Impact
  - Water quality: 10% of TMDL sediment load reductions
  - Water supply protection
  - Ecosystem function lifted



# Headwaters of the Truckee River

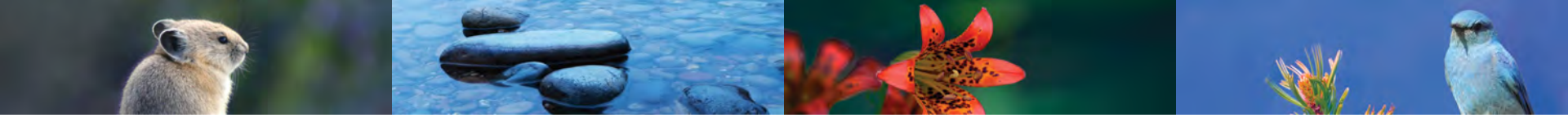
- Source of ~80% of water supply for Reno-Sparks
- Impaired listing (US EPA and State of CA)
  - Sediment (2008, CA Lahontan Waterboard)
  - Nitrogen/Nitrate (2018, CA Lahontan Waterboard)





# Strategies for Headwaters Impairment

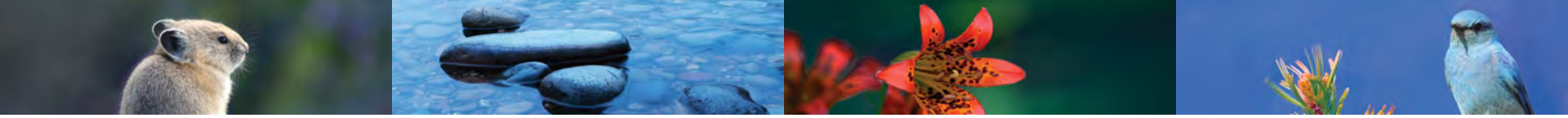
- Restoration – lift ecosystem function
  - Logging, grazing, railroad, dams, interstate, EPA Listing
- Prevention – protect what is functioning
  - Fire, drought, climate change, current land use
- Engagement – leverage collaboration
  - funders, partners, stakeholders, volunteers



## Highlights of Impact 2022 to ~2025

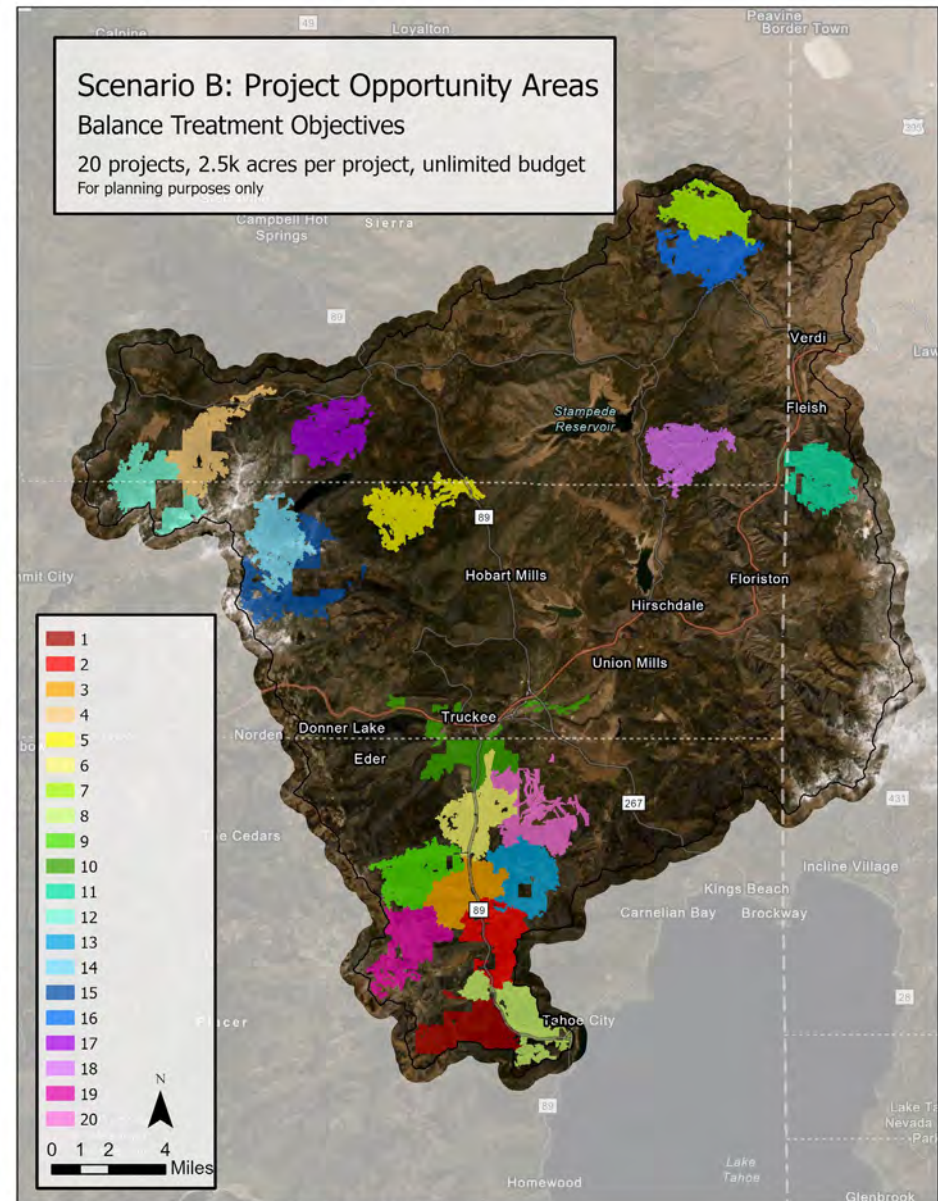
- Launching
  - Forest Health
  - Mainstem Truckee River
  - Prosser Basin
- Continuing
  - 89S Corridor – Tributaries Assessment
  - Coldstream Canyon
  - Donner Creek

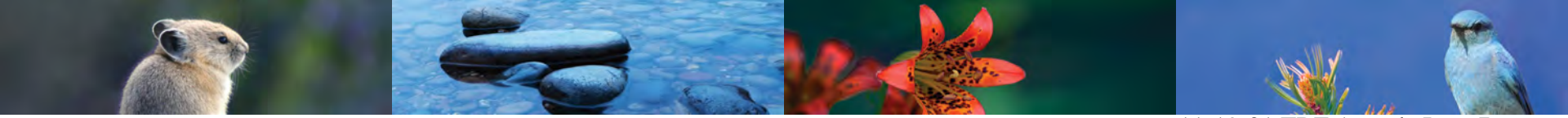




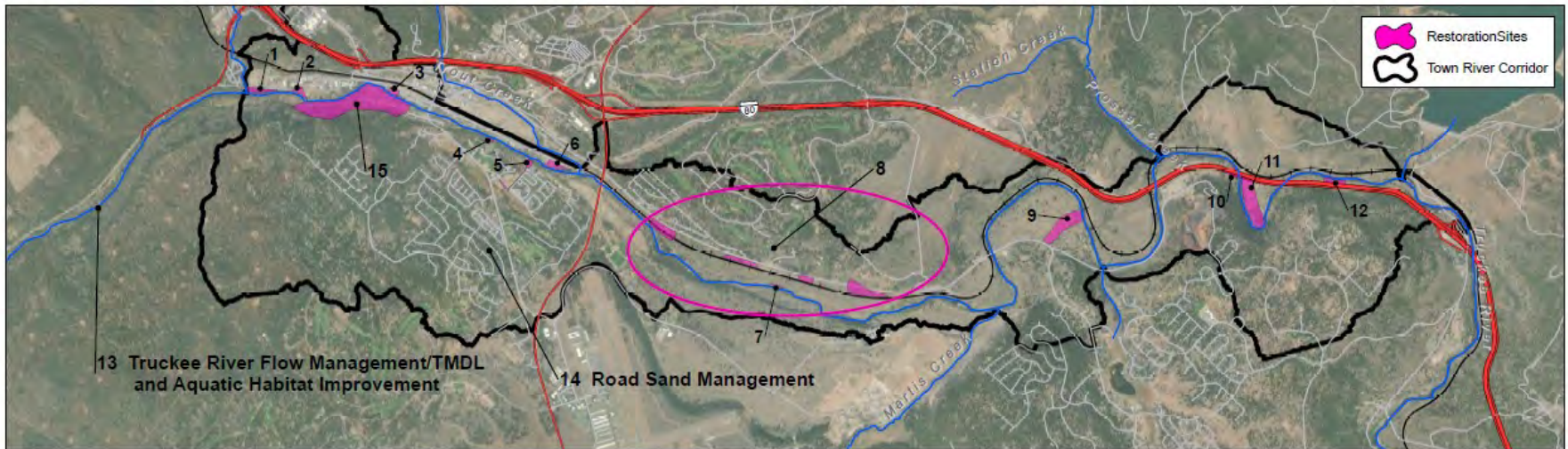
# Forest Health Assessment

- Middle Truckee River Watershed
- Landowners >500 a/c upland/forested land
- Many areas known with work underway
- Recommendations agreed to Dec 2021 for remaining areas





# Truckee River in Town of Truckee



## River Revitalization Assessment

- Sediment, habitat, recreation management
- 15 projects
- 3 underway
- Focus next 5 years





11-19-21 TRF Agenda Item 7

Thank you!

Lisa Wallace, Executive Director

530.550.8760, x2#

[lwallace@truckeeriverwc.org](mailto:lwallace@truckeeriverwc.org)

**Truckee River Fund****2022 Calendar**

January 3	RFP distributed
January 19	10 a.m. TMWA Board meeting
February 4	RFP/Grant applications due
February 7	Draft Agenda to Executive Committee
February 16	10 a.m. TMWA Board meeting
February 18	8:30 a.m. TRF Advisory Committee meeting <ul style="list-style-type: none"> <li>Review project proposals</li> <li>Schedule Fieldtrip(s)</li> </ul>
March 16	10 a.m. TMWA Board meeting
April 20	10 a.m. TMWA Board meeting
May 2	Draft Agenda to Executive Committee
May 20	8:30 a.m. TRF Advisory Committee meeting <ul style="list-style-type: none"> <li>Discuss nominations for officers (even years)</li> <li>Review completed projects</li> </ul>
June 15	10 a.m. TMWA Board meeting
June 17	RFP distributed
TBD	Fieldtrip- TBD
TBD	TMWA picnic
July 20	10 a.m. TMWA Board meeting
July 29	RFP/Grant applications due
August 1	Draft Agenda to Executive Committee
August 17	10 a.m. TMWA Board meeting
August 19	8:30 a.m. TRF Advisory Committee <ul style="list-style-type: none"> <li>Review project proposals</li> </ul>
September 21	10 a.m. TMWA Board meeting
October 19	10 a.m. TMWA Strategic Planning Workshop
October 31	Draft Agenda to Executive Committee
November 16	10 a.m. TMWA Board meeting
November 18	8:30 a.m. TRF Advisory Committee <ul style="list-style-type: none"> <li>Review/Approve 2023 calendar</li> <li>Review completed projects</li> </ul>
December 21	10 a.m. TMWA Board meeting