

ONE TRUCKEE RIVER

Management Plan Strategies and Action Items



KEEP TRUCKEE MEADOWS
BEAUTIFUL



Please note photo credits are not identified, but will be in the final Plan.

Draft May 2016

“One Truckee River” is a collaboration of public and private partners working together to realize a Truckee River that flows clear and clean, quenches our thirst, sustains the river’s natural ecology, cultural resources and wildlife, and connects residents and visitors to unparalleled opportunities for recreation and regeneration.

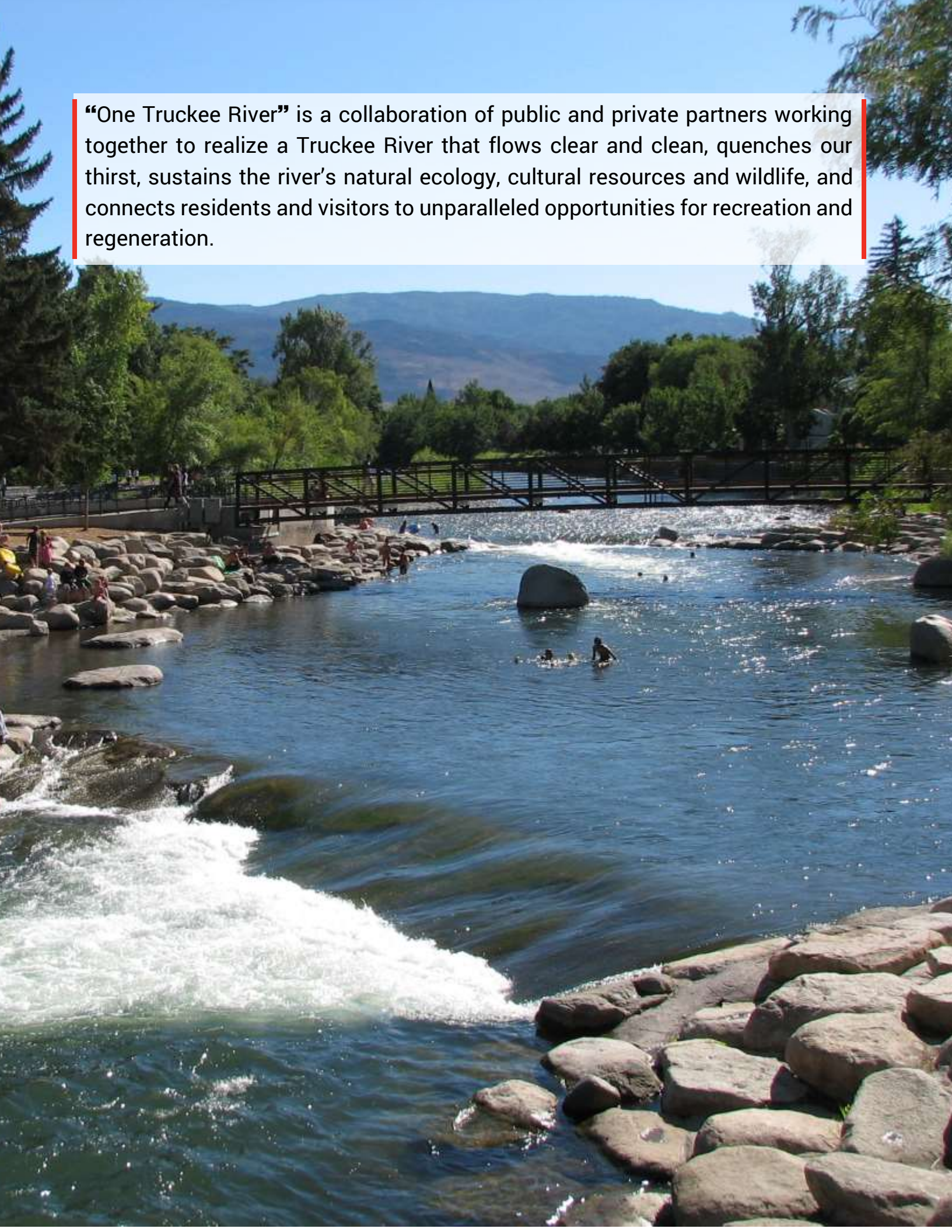


Table of Contents

Acknowledgments	1
Funding Agencies	1
Key Staff Members	1
Core Planning Team	1
Sub-Committee Members	2
Consultant Team	7
Executive Summary	8
Introduction	9
History of the Truckee River	9
Geographic Limits	10
Planning Process	11
Mission, Vision & Goals	15
Mission	15
Vision	15
Goals	15
One Truckee River Management Plan Strategies and Action Items	16

Acknowledgments

The One Truckee River Management Plan provides recommendations and action items intended to ensure a sustainable, clean, and thriving river community that is recognized in the hearts and minds of all. The initiative was launched by Nevada Land Trust (NLT) and Keep Truckee Meadows Beautiful (KTMB) as a collaboration of local, regional, and state agencies; nonprofit and community organizations; and businesses brought together in support of long term stewardship of the Truckee River and its natural and cultural assets. This plan would not be possible without the hard work and dedication of so many people, including our partners and funding agencies.

Funding Agencies

Conservation Legacy Communications
David Bobzien, Reno City Council
National Park Service, Rivers, Trails and Conservation Assistance Program
Northern Nevada Water Planning Commission
REI
Truckee River Fund at Community Foundation of Western Nevada
Washoe County State Question One Program



Key Staff Members

NV Land Trust Staff Members

Alicia Reban, Executive Director
Lynda Nelson, Project Director
Alex Hoeft, Grants & Communications Coordinator
Marsha Cardinal, GIS Specialist

Keep Truckee Meadows Beautiful (KTMB) Staff Members

Christi Cakiroglu, Executive Director
Jaime Souza, Operations Manager

Core Planning Team

The Core Planning Team was assembled to provide project leadership, technical know-how, and financial and in-kind support, as available, to assure the collective knowledge of the Truckee River community is actively engaged at all levels. Team members share the One Truckee River core values, vision, and goals, and offer professional and volunteer expertise to guide and support project planning and implementation.

David Bobzien, Reno City Council
Kim Borgzinner, Nevada Division of Environmental Protection
Christi Cakiroglu, Keep Truckee Meadows Beautiful

Kathy Clewett, City of Sparks
Sergeant Wade Clark, Reno Police Department
Wendy Damonte, Renown

Nate Daniel, Truckee Meadows Parks Foundation
Michon Eben, Reno-Sparks Indian Colony
Gabrielle Enfield, Washoe County
John Enloe, Truckee Meadows Water Authority
Steve Fine, Keep Truckee Meadows Beautiful
Lynell Garfield, City of Reno
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Birgit Henson, Nevada Division of Environmental Protection
Mickey Hazelwood, The Nature Conservancy in Nevada
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Alex Hoeft, Nevada Land Trust/National Park Service
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Jeff Mann, Reno Parks Manager
Kim Mazeres, Truckee Meadows Water Authority
Kelsey Fitzgerald, Truckee River Guide

Paul Miller, Truckee Meadows Water Authority
Bodie Monroe, Trout Unlimited
Scott Nebesky, Reno-Sparks Indian Colony
Lynda Nelson, Nevada Land Trust
Lieutenant Amy Newman, Reno Police Department
Donna Marie Noel, Pyramid Lake Paiute Tribe
Randy Pahl, Nevada Division of Environmental Protection
Darrin Price, Sun Valley General Improvement District
Alicia Reban, Nevada Land Trust
Barbara Rice, National Park Service
Roberta Ross, Ross Apartments
Tim Ruffin, Colliers International
Bob Sack, Washoe County
Jim Smitherman, Northern Nevada Water Planning Commission
Jaime Souza, Keep Truckee Meadows Beautiful
Cheryl Surface, Washoe County Parks
Tracy Turner, Community Foundation of Western Nevada
Chris Wessel, Northern Nevada Water Planning Commission

Sub-Committee Members

Sub-committee members were identified to provide technical expertise and knowledge related to one of the nine identified emerging issues. Members include a broad range of key stakeholders and resource experts with experience and knowledge.



Social Issues Team:

Captain – Sheila Leslie, Washoe County
Rene Biondo, 2nd Judicial District Court-
Mental Health Court
Sharon Chamberlain, Northern Nevada
HOPEs
Sharon Dollarhide, Northern NV Adult
Mental Health Services
Amy Jones, Reno Housing Authority
Kitty Jung, Washoe County Commissioner
Ken Krater, MTK Limited
Kelly Marschall, Social Entrepreneurs
Shawn Marston, Washoe County Sheriff’s
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Water Quality Team:

Captain – John Enloe, Truckee Meadows
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Environmental Protection
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Education Team:

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Kelly Barber, Washoe County School District
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Brian Fitzgerald, Desert Research Institute
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Sean Hill, Sierra Nevada Journeys
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Sue Jacox, Great Basin Outdoor School
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Lauren McCullough, Keep Truckee Meadows Beautiful
Kelsey Fitzgerald, Truckee River Guide
Patty Moen, NV Recycles
Mackenzie Peterson, DRI Green Power
Craig Rosen, DRI Green Power
Meghan Schiedel, Discovery Museum
Augustine Sughrua, Truckee Meadows Park Foundation
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Celeste Tinajero, Keep Truckee Meadows Beautiful
Mary Kay Wagner, Nevada Department of Environmental Protection



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Stewardship Team:

Captain – Danielle Henderson, Truckee River Flood Project
Co-Captain – Peter Gower, Keep Truckee Meadows Beautiful
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Marlene Olsen, Good Standing
Rob Palmer, NV Water Resources

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Karen Ross, Nevada Land Trust
Roberta Ross, Ross Apartments
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Lisa Wallace, Truckee River Watershed Council
Colleen Wallace-Barnum, Washoe County Parks

Funding Team:

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Tina Nappe, Nevada Land Trust Board
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Jennifer Satre, The Nature Conservancy
John Sherman, Consultant
Dian Vanderwell, City of Sparks Planning Commission



Photo credit: Alex Hoeft

Ecosystem Team:

Captain – Mickey Hazelwood, The Nature Conservancy

Co-Captain – Kelsey Fitzgerald, Truckee River Guide

Jamie Abbott, Nevada Department of Agriculture

Jen Ballard, Great Basin Bird Observatory

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Public Safety Team:

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Lt. Pete Krall, Sparks Police Department

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Tim Spencer, City of Reno Fire Department

Undersheriff John Spencer, Washoe County Sheriff's Office

Mike Steedman, Studio on 4th Street

Erich Strunge, City of Reno Public Works



Recreation Team:

Captain – Cheryl Surface, Washoe County Parks

Co-Captain – Bodie Monroe, Trout Unlimited

Charles Albright, Sierra Whitewater Club

Andy Bass, City of Reno Parks, Rec & Community Services

Betsy Clark, Fly-Fishing Enthusiast

Randy Collins, Bicycle Cyclery

Tracy Domingues, City of Sparks Park & Recreation

Kevin Dose, Great Basin Institute

Steve Fine, Keep Truckee Meadows Beautiful

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Doug Ouellette, Truckee River Flyfishers

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Jennifer Cunningham, Reno Sparks

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Christine Fey, City of Reno

Kelly Goodman, Wells Fargo

Amanda Horn, Nevada Museum of Art

Beth Macmillan, Artown

Scott Nebesky, Reno-Sparks Indian Colony

Donna Marie Noel, Pyramid Lake Paiute Tribe

Deann McKay, State of Nevada, State Lands

Roberta Ross, Ross Apartments

Mike Williams, Basin Street Properties

Consultant Team

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Lynn Zonge, RCI

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Dick Bartholet, University of Nevada, Reno

Erica Olsen, OnStrategy Consulting

Jeff Brunings, OnStrategy Consulting

Zach Yeager, OnStrategy Consulting



Executive Summary

The Truckee River is a complex and vital body of water that runs through the Truckee Meadows, crossing the boundaries of Reno, Sparks and Washoe County.

One Truckee River is an initiative working together for a sustainable, clean, thriving river community recognized in the hearts and minds of all. The plan has been designed to address community challenges, that have either been handled inconsistently to date, or not at all.

One Truckee River Management Plan is the culmination of a collaborative effort among community leaders and stakeholders to develop a shared vision of the river and a plan to achieve it. The Plan identifies over 140 strategies and action items needed to implement the One Truckee River Vision. Over 120 different stakeholders participated during 18-month long process to develop the plan. The primary goals of the plan are to protect water quality and ecosystem health; create and sustain a safe, beautiful and accessible River; build an aware community; and ensure the sustainable management of the River.

Most of the Truckee River and the Truckee River Corridor is managed and regulated by federal, state and local agencies. This plan will not to create a new regulating agency, but will coordinate efforts already in place. Key components of the One Truckee River plan include:

- Identify what efforts are currently being done along the river, and bring awareness to stakeholders and constituents who otherwise would not have been aware of those efforts.
- When that awareness is created, the plan is now in a position to suggest and recommend opportunities for coordination to drive efficiency and effectiveness.
- Identify and make recommendations for coordinated efforts. Identify new potential partnerships for gaps that are not being addressed and areas where partnering will achieve more.



Photo credit: Alex Hoeft

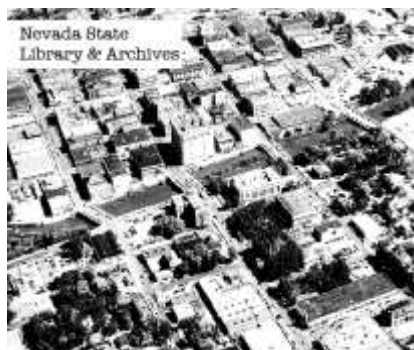
Introduction

The Truckee River Management Plan is a collaboration of river partners for both short term and long term management objectives that coordinate within jurisdictional boundaries for a “One Truckee River” plan. While watershed wide planning is not currently envisioned, interrelated physical, social, cultural and natural resources will be documented as part of the context setting. This may include information about water quality and hydrology; connectivity to community resources and trails; health and wellness opportunities; habitat and restoration goals; stewardship and protection; and long term funding strategies.

History of the Truckee River

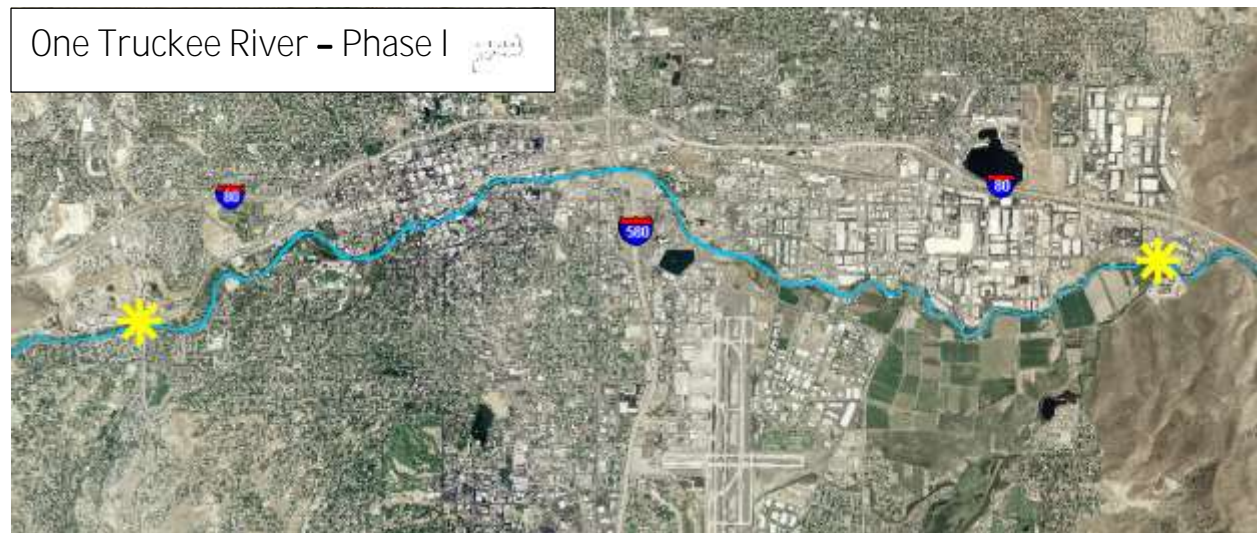
The Truckee River flows northeasterly over a 121-mile stretch, beginning at Lake Tahoe and empties into Pyramid Lake. Its waters are an important source of irrigation along its valley and adjacent valleys. When John C. Frémont and Kit Carson ascended the Truckee River on January 16, 1844, they called it the Salmon Trout River, after the Lahontan cutthroat trout that ran up the river from Pyramid Lake to spawn. It was not until later, when a Paiute chief known as “Truckee” guided an emigrant party from the Humboldt River to California by way of the river, that the name was changed. As a sign of appreciation for the guide’s services, the party named the river after him.

Reno/Sparks began as the preferred crossing point of the Truckee River for travelers on their way to the California Gold Rush of the late 1840s and 1850s. In 1859, with the discovery of the Comstock Lode in the Virginia City foothills, the river crossing became increasingly important for the growing trade in mining and agriculture. Today the Truckee River is used for more than mining and agriculture. The Truckee River provides valuable drinking water for residents and businesses, generates hydropower, supplies irrigation water to farms, provides recreational opportunities and serves as a vital ecosystem for fish and wildlife.



Geographic Limits

The One Truckee River Management Plan will be organized into three geographically defined phases. Phase One focuses on the heavily used section of the Truckee River corridor in the urban portion of Reno and Sparks, stretching from West McCarran Blvd. to the Truckee Meadows Water Reclamation Facility near Vista Blvd. Phase Two will extend from the Truckee Meadows Water Treatment Facility to Pyramid Lake. Phase Three will run from West McCarran Blvd., extending west to Stateline.



Background

In 2012, Keep Truckee Meadows Beautiful (KTMB) received an anonymous donation to clean up the Truckee River. The KTMB Board of Trustees wanted to focus their efforts on prevention rather than continuing to do River clean-up's. As a result of the donation funds, KTMB started the Watershed Warriors educational program and Adopt-A-Spot along the River. Through those same efforts, it was acknowledged that there were many passionate stakeholders, but not one comprehensive plan for the Truckee River. This became the genesis for the creation of a One Truckee River Plan.

KTMB and Nevada Land Trust (NLT) joined together to research what type of cohesive Truckee River Management Plan was currently adopted. They found that there was no all-compassing document that addressed the myriad of issues ranging from illegal camping along the river to recreation and educational opportunities associated with the river. Through their partnership efforts, the two non-profit organizations were able to raise funds to create a One Truckee River Management Plan. Funding came from the following sources:

- National Park Service, Rivers, Trails and Conservation Assistance Program
- Conservation Legacy Communications
- Northern Nevada Water Planning Commission
- Truckee River Fund at Community Foundation of Western Nevada
- Washoe County State Question One Program
- David Bobzien, Reno City Council

- REI

The One Truckee River Management Plan will manage, protect and provide stewardship for the Truckee River, extending across all jurisdictional boundaries. Nevada Land Trust and Keep Truckee Meadows Beautiful will act as lead agencies, with the assistance and cooperation of a large Truckee River stakeholder group to fundraise and develop the plan.

The three government agencies (City of Reno, City of Sparks and Washoe County) will formally adopt the plan to ensure a commitment is made to fund their participation in and implementation of the plan's elements. Adoption will establish accountability and ensure that annual mapping, treatment, monitoring and reporting efforts are supported and completed.

Planning Process

The Core Planning Team kick-off meeting was held in May 2015. The first meeting included 17 stakeholders with a variety backgrounds in law enforcement, social services, recreation, water quality and funding. The Core Planning Team was established to provide project leadership, technical know-how, and financial and in-kind support, to assure the collective knowledge of the Truckee River community is actively engaged at all levels. The roles and responsibilities of the Core Planning Team include:

- Embrace the One Truckee River vision, goals and team core values.
- Contribute to the development of a Truckee River Management Plan sharing expertise and/or financial and in-kind resources, as available.
- Work cooperatively and collaboratively with other team members, openly communicating, and committing to listen, learn, and address challenges as a team to further One Truckee River vision and goals.
- Participate in project outreach and support stakeholder and community participation and engagement.
- Serve as the primary liaison between the team and the designated agency or community partner, promoting the involvement of the partner agency or community interest (area) in the project.
- Informed and active participation in all team meetings to the maximum extent possible. Thoroughly brief alternate representative to facilitate continued collaboration.

Over the next 12 months, the Core Planning Team continued to meet and guide the development of the One Truckee River Management Plan. In the initial meetings, the group developed the vision and initial goals for the One Truckee River Plan. In addition, they assessed the opportunities and threats for the Truckee River, as well as identified key issues that would need to be addressed

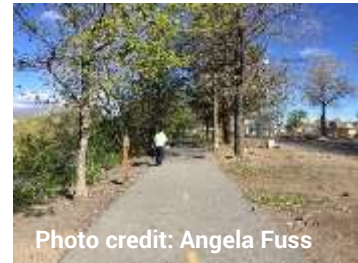


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in the plan. Nine separate categories were identified and became the core One Truckee River *Emerging Issues* that set the framework for the plan. The nine issue areas are as follows:

Water Quality - Many of the people, wildlife and plants in our region depend on the Truckee River as a vital resource. Current policies leave room for improvement in the way we manage what gets in to the river. These problems will be exacerbated as the community grows. It is critical that we, as a community, keep the water in the Truckee River clean and healthy for all those who depend on it.

Social Issues - The Truckee River is also the backdrop to some aspects that challenge the resources of our community in its ability to provide support and services to an at-risk population, including those suffering from homelessness, substance abuse, mental health conditions and criminal activity. While these issues often create barriers to those recreating and using the river, the social issues are not just Truckee River problems; they impact the entire community.

Stewardship - For the Truckee River's continuation as an accessible and inviting destination for residents and visitors alike, the Truckee River requires management by faithful stewards. Currently, federal, state and local jurisdictions play a role, as do many non-profits, stakeholders, businesses and community organizations, in protecting and maintaining the river.

Ecosystem - The overall health of the Truckee River is both an indicator of and vital to the health of the surrounding community. Overall health includes both physical features (geomorphology) and living features (biological) of the river, and is influenced by water quantity, quality and timing of delivery. The river ecosystem faces challenges from drought, flooding, climate change, development, invasive species and more.

Quality of Life - The Truckee River plays a tremendous role in our cultural heritage, and it continues to enhance the lives of local residents and visitors alike. However, many people are not aware of the opportunities the river presents, and are not fully taking advantage of what it has to offer. It is about identifying and driving solutions that leverage the Truckee River to enhance the quality of life for all those around it.

Public Safety - The Truckee River presents many opportunities that enhance our region's quality of life. However, it also presents threats. Threats can come from flooding, debris, general water



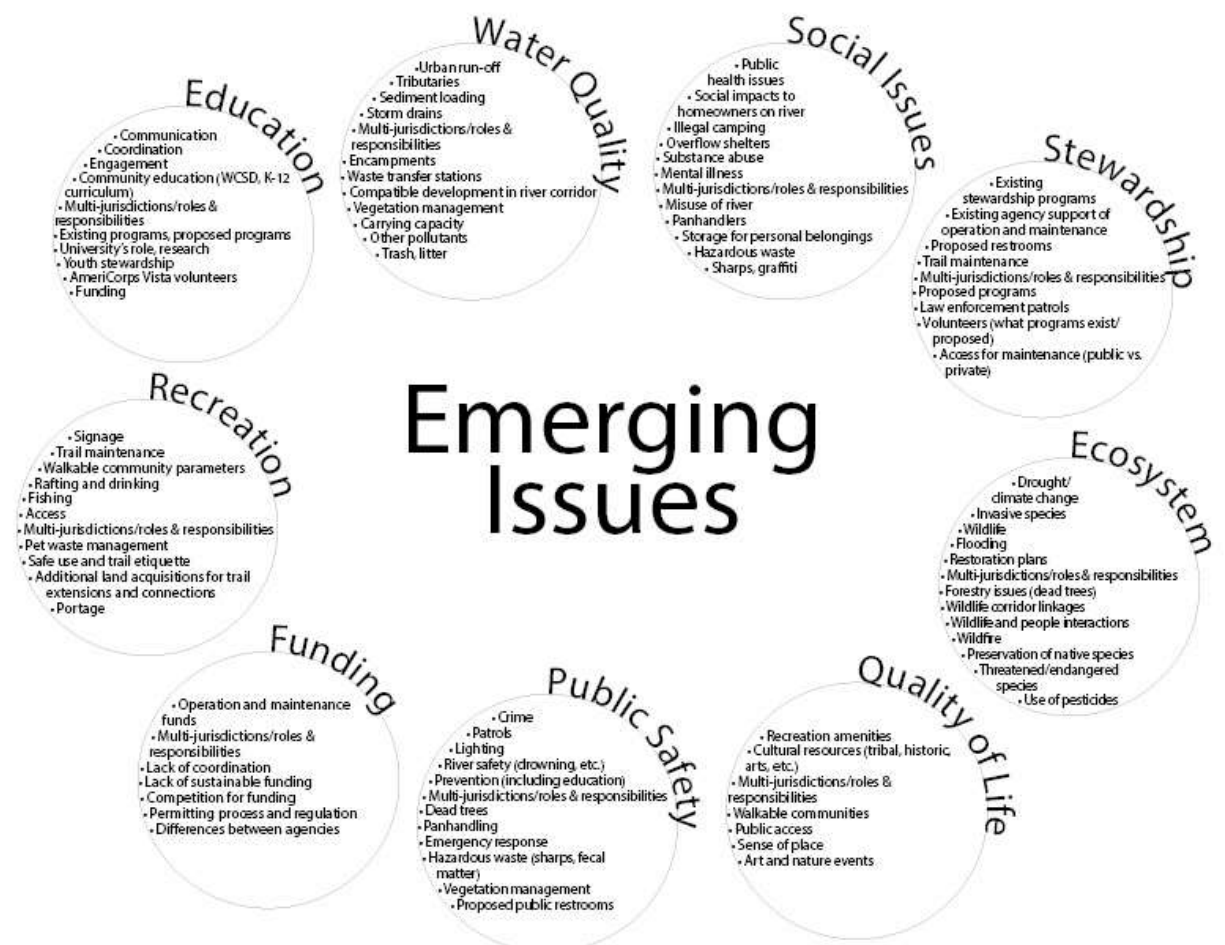
Photo credit: Angela Fuss

hazards and crime taking place near the river. Public safety involves identifying and building solutions to mitigate threats to public safety posed by the river, and thereby enhancing the community's enjoyment of it.

Funding - Implementation of the Truckee River Management Plan will require funding. A strategy to support the long-term sustainability of the group and to fund specific priorities and initiatives identified as part of the plan must be identified.

Recreation - The Truckee River offers recreational opportunities vital to the health and well-being of our community, including swimming, fishing, kayaking, biking and walking. However, there are opportunities to improve the access, usability, and quality of existing facilities and resources, in addition to providing new facilities. Approaches to identifying and creating solutions to enhance the recreational opportunities provided by the Truckee River are needed.

Education - For our community to truly become stewards of the Truckee River, it must understand its central role in our environment, our history, and our culture. The river is also a wonderful resource that should be used in the teaching of biology, geology, history, and more. Solutions are needed to educate the community on the importance of the river, and to incorporate the river in the educational process.



The development of the nine emerging issues led to the discussion points for a Community River Forum that was held on September 30, 2015. More than 130 stakeholders attended the day-long forum to discuss the top concerns, challenges, opportunities and solutions for each issue area. That forum developed a list of technical experts that would later be asked to participate in developing the plan strategies.

In October of 2015, a Request for Proposal (RFP) was issued for Phase One of the One Truckee River Management Plan. The scope of work called for development of a short-term and long-term implementation plan for addressing the nine issue areas, previously identified by the Core Planning Team and refined at the September 30th stakeholder forum.

In December of 2015, stakeholders and members of the Core Planning Team were asked to fill out a survey to gain additional feedback on the existing programs, initiatives and services that were currently in operation relative to each of the issue areas. Once again, that information was compiled and used as the base to create the framework for the plan.

In January of 2016, nine separate subcommittee meetings were held, one for each of the issue areas. The purpose of those meetings was to gather the technical experts and stakeholders together to identify two to four clear priorities to be included in the plan related to the issue area. In addition, subcommittee members developed possible initiatives or action items that would be needed to implement the priority areas.

The outcome of the subcommittee meetings led to the creation of 33 objectives and more than three times as many strategies and corresponding action items. Many of the subcommittee action items overlapped with other subcommittee action items. On account of the many overlapping action items that coincided, the nine emerging issue areas were combined and structured into four planning goals.



Photo credit: Alex Hoeft

Mission, Vision & Goals

Mission

Working together for a sustainable, clean, thriving river community recognized in the hearts and minds of all for the treasure it truly is.

Vision

“One Truckee River” is a collaboration of public and private partners working together to realize a Truckee River that flows clear and clean, quenches our thirst, sustains the river’s natural ecology, cultural resources and wildlife, and connects residents and visitors to unparalleled opportunities for recreation and regeneration.

Goals

The One Truckee River Management Plan is made up of four primary goals focused on the health of the river; connecting people and places; creating an engaged community addressing and the long term sustainable management of the river. Within each of the goals are objectives, strategies and action items that provide the over-arching framework for the Plan.

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



Protect water quality and ecosystem health

Photo credit: Alex Hoeft



Create a safe, beautiful and accessible River

Photo credit: Alex Hoeft



Foster a community that protects and cares for the River

Photo credit: Lynda Nelson



Sustainable management

Photo credit: Alex Hoeft

One Truckee River Management Plan Strategies and Action Items

Goal 1: Ensure and protect water quality and ecosystem health in the Truckee River.

Strategy	Action Item * OTR will take the lead on the action item.	Implementation Timelines			
		1 year	1-5 years	6-10 years	
Goal 1: Ensure and protect water quality and ecosystem health in the Truckee River.					
Objective 1.1 - Assure that storm drains are delivering the cleanest water into the river					
1.1.a	Identify location of all high-volume storm drains and the largest storm water contributions to the Truckee River.	This work is part of the MS4 Program. OTR will elevate the message and create synergy between OTR and MS4 Program. OTR will identify existing programs, timelines and website links.	✓		
1.1.b	Establish necessary testing procedures for assessing quality of water coming out of storm drains and identify the areas that are the main contributors of pollution to the river.	This work is part of the MS4 Program. OTR will elevate the message and create synergy between OTR and the MS4 Program. OTR will identify existing programs, timelines and website links.	✓		
1.1.c	Implement Best Management Practices to improve quality of water flowing into the Truckee River from contributing watershed areas.	This work is part of the MS4 Program. Elevate the message and create synergy between this effort and the MS4 Program. OTR will identify the existing programs, timelines and website links.	✓		
Objective 1.2 - Assure effective watershed management on the Truckee River and its tributaries					
1.2.a	Identify location for a pilot project and execute a pilot watershed management plan.	A Truckee River Watershed Management Plan has been initiated by NDEP, City of Reno and other OTR partners.	✓		
Objective 1.3 - Mitigate human impacts that adversely impact water quality on the Truckee River					
1.3.a	Establish permanent photo points on the river to monitor debris, water levels and human impact.	OTR will establish base line photo points on the Truckee River and conduct regular monitoring.	✓		
1.3.b	Educate users of the Truckee River on issues impacting water quality.	Create water etiquette program to educate river users about water safety, littering, pet waste, access locations and appropriate water		✓	

Strategy		Action Item * OTR will take the lead on the action item.	Implementation Timelines		
			1 year	1-5 years	6-10 years
		behavior (i.e. Leave No Trace, Quiet Zones, etc.).			
1.3.c	Ensure adequate public restrooms along the Truckee River.	Identify key locations along the river with high user activity and implement a pilot program with the addition of public restrooms.	✓**		
Objective 1.4 - Create a rich and diverse vegetative ecosystem					
1.4.a	Use mapping to identify river sections where increased vegetation diversity, structure and restoration can address multiple challenges and opportunities.	OTR will identify current mapping efforts, coordinate with Truckee River Flood Control Project and identify funding.		✓	
1.4.b	Create an approved vegetative species list to increase biodiversity and shading on lands along the Truckee River.	OTR will form a subcommittee made up of stakeholders, including plant nurseries, biologists, landscape architects and agency staff (planning, Parks & Rec, maintenance, Public Works, code enforcement, law enforcement, etc.) to create an approved vegetation list along the Truckee River that can be incorporated into ordinance language addressing development standards adjacent to the river. OTR will ensure consistency with Truckee Meadows Weed Coordinating Group for noxious and invasive weeds; and (2) Efforts of the Nevada Department of Wildlife for Aquatic Invasive Species.		✓**	
1.4.c	Develop and implement a coordinated vegetation management plan along the river corridor.	OTR will work with Reno, Sparks and Washoe County staff to identify Best Management Practices (BMPs) to maintain vegetation identified in the approved species list (1.4.b).		✓**	

Strategy	Action Item ✳️ OTR will take the lead on the action item.	Implementation Timelines			
		1 year	1-5 years	6-10 years	
1.4.d	Encourage collaboration and education among agencies, particularly the Federal Water Master and Truckee Meadows Water Authority, to better understand Truckee River flows as dictated by the Truckee River Operating Agreement in order to optimize restoration projects and opportunities.	All restoration projects already go through agency permitting and approvals. OTR will support collaboration for restoration activities along the Truckee River.		✓ ✳️✳️	
Objective 1.5 - Improve wildlife habitat continuity, connectivity and integrity					
1.5.a	Develop list of key 'indicator' species, both aquatic and terrestrial, to monitor and measure.	OTR Ecosystem Issue subcommittee will identify key species list and responsible agencies for monitoring.		✓ ✳️✳️	
1.5.b	Seek opportunities for strategic land acquisition to improve wildlife connectivity and integrity.	OTR partners will prioritize and coordinate acquisition opportunities in and along the Truckee River corridor with high value for wildlife.		✓ ✳️✳️	
1.5.c	Support existing officially designated wildlife corridors.	The Washoe County Regional Open Space Plan provides information on designated wildlife corridors. OTR will recognize and incorporate existing wildlife corridor data into OTR planning and programming.		✓ ✳️✳️	
Objective 1.6 - Improve river function and flood attenuation					
1.6.a	Incorporate key elements of the Living River Plan in the One Truckee River Plan to preserve and expand the river corridor.	OTR will coordinate planning, programs and project efforts with the Living River Plan.		✓ ✳️✳️	
1.6.b	Review existing development codes among jurisdictions, and provide guidance and direction for low impact development (LID) and river enhancement.	OTR will identify the existing LID requirements and work with planning department staff from Reno, Sparks and Washoe County to recommend consistent language in development ordinances.	✓ ✳️✳️		

Strategy		Action Item ✱ OTR will take the lead on the action item.	Implementation Timelines		
			1 year	1-5 years	6-10 years
1.6.c	Coordinate design and execution of the One Truckee River Management Plan with the Truckee River Flood Management Project.	Identify existing management plans or strategies for the Flood Control Plan efforts and ensure that OTR recommendations are complimentary.		✓	
1.6.d	Identify upstream opportunities for restoration projects which will have downstream impacts.	OTR will identify existing and planned restoration projects, including those associated with the Flood Control Project, the Nature Conservancy, Nevada Land Trust, and other projects identified through WC-1 and SQ-1.		✓	
1.6.e	Support opportunities and potential funding for utilizing existing public lands or acquiring new properties that benefit river function, flood attenuation and open space along the Truckee River corridor.	OTR will support acquisition and long-term maintenance of open space along the flood plain. This could be addressed during future river forums.		✓ ✱✱	
1.6.f	Identify historic and existing river boundaries to help identify acquisition opportunities in undeveloped areas to support goals of ecosystem health.	OTR will provide a supporting role in locating lands that could be used to restore flow and course of river to historic meandering path (McCarran Ranch is an example).		✓ ✱✱	

Goal 2: Create and sustain a safe, beautiful and accessible river connecting people and places.

Strategy		Action Item *** OTR will take the lead on the action item.	Implementation Timelines		
			1 year	1-5 years	6-10 years
Goal 2: Create and sustain a safe, beautiful and accessible river connecting people and places.					
Objective 2.1 - Increase appropriate use and discourage illegal activities along the Truckee River					
2.1.a	Update city and county ordinances to allow for a multi-jurisdictional river team who can get to know the population, environment and resources, and to help educate the public.	OTR will encourage Reno, Sparks and Washoe County to develop a River Ranger program. This includes discussions with Washoe County Sheriff's Office on opportunities for budget and resources for a River Ranger, jurisdictional staffing along the Truckee River for increased visibility, Reno Works program, coordinated river outreach, Washoe County deputized volunteers, bike team, etc.		✓***	
2.1.b	Educate and coordinate with special events personnel to increase special events along less used sections of the river.	OTR will work with Reno and Sparks special events staff to identify parks along the Truckee River that could be used for community events.		✓***	
2.1.c	Coordinate river sweep schedules between jurisdictions to improve consistent management and increase legitimate user activity.	This is currently being done between the cities of Reno and Sparks. OTR will support those efforts.		✓	
2.1.d	Examine current storage requirements for seized personal property and decide whether a change in those regulations would benefit the Truckee River.	The Cities of Reno and Sparks currently manage seized personal property. OTR will support those efforts.		✓	
2.1.e	Enhance Truckee River visitor safety, access, public facilities (bathrooms) and education.	OTR will identify key areas through mapping (criminal activity calls, river access points, bathrooms, etc.). OTR will serve in a supporting role by working with department staff (law enforcement,		✓***	

Strategy		Action Item *** OTR will take the lead on the action item.	Implementation Timelines		
			1 year	1-5 years	6-10 years
		Parks and Public Works) to discuss ways to clean up these areas.			
2.1.f	Work with local jurisdictions to coordinate efforts and identify parcels along the river with potential for public/private partnerships that can increase access to the river.	OTR will support agency efforts and activities to identify opportunities for increased river access and recreational opportunities. Information will be shared during the annual One Truckee River forum.		✓***	
2.1.g	Examine potential benefits of an alcohol consumption ban on the river and/or sections along the river.	OTR will coordinate with Reno, Sparks and Washoe County to determine if there is interest in pursuing a change to local ordinances to ban alcohol consumption on portions of the Truckee River.		✓***	
2.1.h	Identify and enforce Quiet Zones along the river near residential areas.	OTR will coordinate with Reno, Sparks and Washoe County to determine if there's any interest in pursuing a change to local ordinances to require Quiet Zones along the Truckee River.		✓	
2.1.i	Explore public/private partnerships to increase video surveillance in hot spots.	OTR will coordinate mapping of criminal activity calls to identify areas of high activity. Based on location and adjacency to private property, OTR will provide a supporting role in identifying opportunities for property owners to install video surveillance cameras.		✓***	
2.1.j	Enhance prevention education and enforcement of anti-littering laws.	OTR will identify existing anti-littering programs currently in place and outline legal consequences for littering. The plan will identify whether existing laws are being enforced and the penalties.		✓***	

Strategy		Action Item *** OTR will take the lead on the action item.	Implementation Timelines		
			1 year	1-5 years	6-10 years
Objective 2.2 - Promote consistency in planning, maintenance and management between jurisdictions					
2.2.a	Identify specific targets for increased lighting to improve public safety and decrease illicit activity.	OTR will utilize baseline mapping of existing lighting locations along the Truckee River and coordinate with law enforcement staff to identify locations appropriate for increased lighting for public safety. This will be coordinated with areas proposed for increased public recreational activity and will take into consideration impacts to wildlife.		✓***	
2.2.b	Complete a multi-jurisdictional signage plan including standards for maps, directions, rules, "Know-Before-You-Go", interpretive signs, etc.	OTR will identify existing signs and information provided along the Truckee River and work with TMWA, Reno, Sparks and Washoe County to develop a consistent signage plan.		✓***	
2.2.c	Review existing park and maintenance standards between jurisdictions and recommend efficiencies in a coordinated approach.	OTR will identify existing maintenance programs for Reno, Sparks and Washoe County and determine if there are opportunities for efficiencies, such as contracts for arborist, trail pavement, etc.		✓***	
2.2.d	Create a Memorandum of Understanding (MOU) between the jurisdictions to ensure they are all following the same multi-use standards for trail use along the Truckee River.	OTR will utilize baseline mapping that identifies the different types of trail uses along the Truckee River (dogs, biking, pedestrian, etc.). This map will also generate the location of appropriate uses along different section of the trail. The end result may be a water etiquette map that shows recreational and trail uses along the Truckee River.		✓***	
Objective 2.3 - Increase and enhance safe public access to and along the river					
2.3.a	Work with first responder teams to identify existing and desirable water access points.	OTR will map existing water access points and work with Reno, Sparks and Washoe County Fire Departments and law enforcement (i.e. Search and Rescue Team) to identify areas of concern. Add mile	✓***		

Strategy	Action Item ✳️ OTR will take the lead on the action item.	Implementation Timelines		
		1 year	1-5 years	6-10 years
	markers to the trail for identification purposes.			
2.3.b	Identify and designate safe public access sites that connect directly to the Truckee River.		✓	
2.3.c	Fund and install “Kids Don’t Float” lifejacket stands near popular swimming locations and visitors centers.		✓	
2.3.d	Make public access a condition of approval for new development fronting the Truckee River.	✓		
2.3.e	Identify river obstructions (i.e. dams) and create a plan to install warning signs (short term) and remove them, if possible (long term).		✓	
2.3.f	Connect existing and new trail systems to the Truckee River trail system through public/private partnerships that grant public access along the river.		✓	

Strategy		Action Item *** OTR will take the lead on the action item.	Implementation Timelines		
			1 year	1-5 years	6-10 years
		potential locations for public trail easements through existing development.			
2.3.g	Promote safe floating on the Truckee River in summer months by identifying transportation options (shuttle services, bus routes, etc.) and access points.	OTR will identify existing Truckee River rafting shuttle services (public and private). OTR will coordinate discussions with shuttle service providers and RTC to see if this is a service they can provide, similar to shuttle service to Tahoe. Truckee River access points and types of access (i.e. kayakers, rafting, etc.) will be included in the water etiquette brochures and smart phone apps.		✓***	
2.3.h	Identify requirements for achieving Walkable Community/Walk Friendly Community designation.	OTR will identify the process to become a Walkable Community/Walk Friendly Community and then coordinate with an appropriate agency to take the lead in applying.		✓	
Objective 2.4 - Ensure adequate public amenities along the Truckee River					
2.4.a	Conduct a baseline mapping inventory of public amenities along the Truckee River.	OTR will map existing public amenities (i.e. restrooms, trash facilities, benches, seating areas, tables, bike racks, water fountains, hydration stations, recycling, pet waste stations, hazardous material reduction, etc.). If an inventory of the public amenities does not exist, OTR will identify funding opportunities to map this data. Based on the mapping and coupled with crime location information, OTR will meet with agency staff to implement "Out with Bottles, In With Fountains" marketing campaign.		✓***	

Strategy		Action Item ** OTR will take the lead on the action item.	Implementation Timelines		
			1 year	1-5 years	6-10 years
2.4.b	Identify new locations and types of additional public amenities (i.e. restrooms, garbage cans, benches, seating areas, tables, bike racks, bike repair, water fountains, hydration stations, recycling, pet waste stations, hazardous material reduction, etc.).	After the public amenities have been inventoried and mapped, OTR will coordinate with agency staff to identify appropriate locations and types of amenities proposed along the Truckee River.		✓	
2.4.c	Coordinate with RTC on Truckee River public transportation options and bike share study to identify opportunities for pick-up/drop-off stations along the river.	OTR will identify existing bike share programs that can be located along the Truckee River. The OTR Plan will include current bus stop locations in the water etiquette brochures and smart phone apps.		✓	
Objective 2.5 - Improve aesthetics along the Truckee River corridor					
2.5.a	Identify locations for potential placement of public art and murals along the Truckee River.	OTR will inventory locations of existing public art and identify potential new locations for public art and murals. This could include murals on industrial buildings and would require coordination with private property owners.		✓**	
2.5.b	Create public/private partnerships to promote Truckee River beautification.	OTR will identify and map locations of cultural significance as well as public art and opportunities for new art or murals.		✓**	
2.5.c	Create development standards that could be adopted in local zoning ordinances that identify public amenity requirements specific to the Truckee River.	OTR will support local jurisdictions in drafting minimum public amenity requirements when new development is located along the Truckee River.		✓	
Objective 2.6 - Provide resources and alternatives for people living on the river					
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 will support efforts to identify services, programs and gaps that currently exist, and by looking for partnership opportunities for more efficient services.		✓	

Strategy		Action Item ✳️ OTR will take the lead on the action item.	Implementation Timelines		
			1 year	1-5 years	6-10 years
2.6.b	Support commitment to continue current practice of keeping the overflow shelter open year-round.	OTR will support the monitoring and documentation of what is being done to create a year-round overflow shelter.		✓	
2.6.c	Create a mental health facility that provides same-day access to mental health and additional services.	OTR will support the monitoring and documentation of what is being done to create a mental health facility with same day access.		✓	
2.6.d	Create or expand another facility, like Crossroads, with law enforcement and social services staff connection and support.	OTR will support the monitoring and documentation of these efforts.		✓	
2.6.e	Support the City of Reno's on-going effort to create more scattered site slots for permanent, supportive housing projects and expand to other jurisdictions.	OTR will support the monitoring and documentation of work that is being done to create more permanent supportive housing.		✓	
2.6.f	Continue to coordinate with WC Regional Animal Services to care for pets of the homeless and connect with case workers.	OTR will support the monitoring and documentation of work that is being done for pets within the homeless population.		✓	
2.6.g	Implement multi-jurisdictional case management to assist individuals with access to housing and other resources.	OTR will support the monitoring and documenting of work being done to implement multi-jurisdictional case management services.		✓	
2.6.h	Create a collaborative group to focus case management and law enforcement on the Truckee River.	OTR will support the coordination of case management and law enforcement on the Truckee River, including the MOST Team across jurisdictional boundaries with a focus on the Truckee River.		✓	
2.6.i	Identify specific strategies to address youth homelessness.	OTR will support community efforts such as The Community Foundation of Western Nevada's YouN'I initiative, which address youth homelessness.		✓	

Goal 3: Build an aware and engaged community that protects and cares for the river.

Strategy	Action Item * OTR will take the lead on the action item.	Implementation Timelines			
		1 year	1-5 years	6-10 years	
Goal 3: Build an aware and engaged community that protects and cares for the river.					
Objective 3.1 - Promote awareness and education of the river's natural, cultural and recreational resources and the important role the river plays in our community					
3.1.a	Establish and promote a comprehensive events calendar that features all relevant activities, events, and entertainment associated with the river.	OTR will build a community wide calendar and act as liaison/clearinghouse for all river activities and events.	✓ **		
3.1.b	Identify existing locations for interpretive signage on the river and designate new or retrofit existing locations.	OTR will identify and map the locations of existing interpretive signage and their current condition.		✓ **	
3.1.c	Create a watershed education plan.	NLT is currently applying for an EPA grant to create Watershed Education Plan. If funded, this will be coordinated with KTMB and partner groups.		✓	
3.1.d	Create an opportunity or venue for the community to share river stories and images relative to our natural and cultural history.	OTR website and OTR social media currently documents people and connections to the Truckee River. The effort will be expanded through additional funding.	✓ **		
Objective 3.2 - Increase student education and participation related to the Truckee River					
3.2.a	Work with existing education partners to compile and assess existing Truckee River-related curriculum and educational programs. Compile existing resources and identify those that are in alignment with Washoe County curriculum requirements.	OTR will support the reporting on the findings of the information.	✓		

Strategy		Action Item *** OTR will take the lead on the action item.	Implementation Timelines		
			1 year	1-5 years	6-10 years
3.2.b	Create new curriculum based on Washoe County STEAM standards for the Truckee River watershed.	OTR's education subcommittee will do the analysis of available curriculum material in use today. OTR will report on the findings and outcomes of the analysis.		✓ **	
3.2.c	Develop an educator resource page outlining educational programs and curriculum specific to the Truckee River.	Through the education subcommittee, OTR will develop an educator resource brochure that talks about who has what educational programs and curricula. Teachers can use this to understand their options.		✓ **	
3.2.d	Create a one-page handout for adults and age-based handouts for children discussing core learning outcomes.	OTR will identify a lead agency or non-profit to take the lead on creating the handouts and web-based materials.		✓ **	
3.2.e	Create interactive exhibits pertaining to the Truckee River watershed.	OTR will identify youth exhibit partnering opportunities.		✓ **	
3.2.f	Identify and provide access opportunities to "outdoor classrooms" where students can learn along the river.	OTR will identify existing outdoor classroom locations with opportunities for expansion of Truckee River education.	✓ **		
3.2.g	Publish break/after-school programs related to the river.	OTR will identify existing after school and camp programs for partnering opportunities to expand the Truckee River curriculum.		✓ **	
3.2.h	Work directly with Washoe County School District teachers to incorporate Truckee River curriculum.	OTR will support the coordination of partners that will be creating the Truckee River curriculum material and getting the information to the Washoe County School District.		✓	

Strategy		Action Item ** OTR will take the lead on the action item.	Implementation Timelines		
			1 year	1-5 years	6-10 years
Objective 3.3 - Enhance opportunities for place-based activities and programs for the entire community					
3.3.a	Create a “Celebrate the Truckee River” event for the entire river corridor that could be expanded to a week- or month-long event.	OTR will take the lead on creating a “Celebrate Truckee River Day” and working towards a month long event in the future.		✓ **	
3.3.b	Coordinate a speakers bureau to hold educational river-based events.	OTR will identify existing speaker’s bureau’s that are connected to the Truckee River.	✓ **		
3.3.c	Encourage development of a comprehensive Truckee River exhibition.	OTR will support efforts to identify Truckee River exhibition opportunities with art and history.		✓	
3.3.d	Update and enhance the educational components of the Oxbow Nature Center to support increased emphasis on the Truckee River.	OTR will support the documentation of efforts taking place to update and increase Truckee River involvement in the Oxbow Nature Center.		✓	
3.3.e	Continue to engage the community through interactive social media.	OTR will take the lead on engaging the community in the Truckee River through social media efforts, including smart phone apps, web-based material, photo contests, etc.		✓ **	
3.3.f	Create a self-guided watershed tour.	OTR will coordinate a self-guided watershed tour that includes interpretive signage, maps, and a phone app.		✓ **	
3.3.g	Identify locations for permanent art and art themed opportunities along the River.	OTR will identify and map existing art along the Truckee River and coordinate opportunities for additional art with partnering groups and artists.		✓ **	

Strategy		Action Item *** OTR will take the lead on the action item.	Implementation Timelines		
			1 year	1-5 years	6-10 years
3.3.h	Continue to engage community decision makers and partners about issues related to the river.	OTR will document continued engagement with community leaders, stakeholders, elected officials, tribe, etc. about issues along the Truckee River. The plan will identify who is currently working with the elected officials or who needs to take the lead.	✓ ***		
Objective 3.4 - Inspire a culture of river stewardship					
3.4.a	Coordinate a stewardship pledge for people to publicly commit to being good stewards to the river.	OTR will identify what is currently being done with the Truckee River pledge.	✓ ***		
3.4.b	Educate the community on Leave No Trace principles while in and along the river corridor.	OTR will identify the Leave No Trace behind mission and incorporate the values into the overall marketing campaign.	✓ ***		
3.4.c	Increase official presence along the river to educate the community.	OTR will support identifying opportunities for increasing physical presence along the Truckee River to help educate users. This could be in the form of river Rangers, senior organizations, volunteers and Junior River Ranger programs.		✓	
3.4.d	Implement a Junior River Ranger program.	OTR will coordinate with other non-profit groups to create a Junior River Ranger program.		✓ ***	
3.4.e	Coordinate and promote stewardship activities for groups such as high-school environmental clubs or community service organizations.	OTR will support the identification of what's currently being done to promote stewardship activities among high schoolers.	✓		

Strategy	Action Item *** OTR will take the lead on the action item.	Implementation Timelines			
		1 year	1-5 years	6-10 years	
3.4.f	Coordinate stewardship activities throughout the river corridor to maximize impact.	OTR will identify a lead to create a universal calendar of Truckee River activities and events.	✓ ***		
Objective 3.5 - Ensure easy access to River information and appropriate activities					
3.5.a	Create a Truckee River Visitors Center to foster and enhance education of river's cultural resources and heritage, including community education, art & nature events, a Truckee River Visitors Center/Native American Museum, river signage, and a staffed kiosk.	OTR will identify partnership opportunities for a central visitor center.		✓ ***	
3.5.b	Create a network of kiosks and interpretive or visitor centers. Install educational kiosks along the river to reach those who use it for recreation.	OTR will identify key locations for kiosks.		✓ ***	
3.5.c	Collaborate with tribes to create Traditional Use Agreements for access to the river for cultural purposes (i.e. may want to gather willow along the river for basket weaving). This allows the tribes to continue with their cultural practices.	OTR will support efforts with the tribes to create Traditional Use Agreements that will allow traditional access to the Truckee River.		✓	
3.5.d	Identify opportunities for land acquisition, or other protection opportunities, to preserve and interpret cultural resources.	OTR will work with the tribes to identify key locations for protection and preservation of cultural resources and map existing locations.		✓	

Goal 4: Ensure the measurable, sustainable and collaborative management of the River for today and into the future.

Strategy		Action Item *** OTR will take the lead on the action item.	Implementation Timelines		
			1 year	1-5 years	6-10 years
Goal 4: Ensure the measurable, sustainable and collaborative management of the River for today and into the future.					
Objective 4.1 - Create a sustainable organizational model to ensure the successful oversight and implementation of the OTR Management Plan					
4.1.a	Assess existing groups and structures for possible entities to house the management of the OTR Plan and develop recommendations.	OTR planning will include an analysis of River Management and Funding opportunities.	✓ ***		
4.1.b	Identify the statutory or code changes needed to strengthen the OTR.	OTR will identify NRS requirements.	✓ ***		
4.1.c	Confirm the endorsement, adoption and implementation of the OTR Plan with the local jurisdictions and other partners.	OTR will coordinate the endorsement, adoption and implementation of the One Truckee River Management Plan with local jurisdictions.	✓ ***		
4.1.d	Create formal long term commitment agreements between OTR partners to continue the long term oversight and to designate areas of responsibility for the Plan.	OTR will work with the local jurisdictions for adoption of the plan and development of formal agreements, if necessary.			✓ ***
4.1.e	Conduct a study to examine feasibility of a linear park concept.	OTR will take the lead on identifying partners to help fund a feasibility study to create a linear park.		✓ ***	

Strategy		Action Item *** OTR will take the lead on the action item.	Implementation Timelines		
			1 year	1-5 years	6-10 years
Objective 4.2 - Develop partnerships and raise awareness of the OTR initiative and its achievements					
4.2.a	Develop a communication and marketing plan.	OTR will lead development of a communication and marketing plan and spreading the OTR message through social media. OTR will coordinate a community survey to determine what is known about the Truckee River.		✓**	
4.2.b	Create metrics for measuring success and achievements of the Plan.	OTR will lead the creation of metrics for measuring success of each of the Plan's strategies and action items.	✓**		
Objective 4.3 - Recruit and leverage funding and resources for the OTR initiative					
4.3.a	Create a budget for action items of the OTR Plan.	OTR will lead the creation of a budget for specific action items in the Plan that tie to funding opportunities and create a fundraising plan.		✓**	
4.3.b	Identify funding partners, both public and private, for implementation of the OTR action items.	OTR will identify potential sources of funding and/or partnerships, including former funders, and local, larger funders.		✓**	
Objective 4.4 - Improve understanding of the current state of the River					
4.4.a	Create a base line GIS map specific to the Truckee River.	OTR will lead the creation of base line mapping with GIS data layers for crime, calls for service, ecosystem, vegetation, access, all uses, trail, signs, habitat, restoration, recreational activities, wildlife areas, amenities, unnatural hazards, etc.	✓**		
4.4.b	Conduct an Annual One Truckee River Initiative Forum.	OTR will lead coordination of an annual forum where discussions can be had on the challenges, opportunities and understanding of the Truckee River.	✓**		