

TRUCKEE RIVER FUND

Enhancing and protecting our water resources

TRUCKEE RIVER FUND ADVISORY COMMITTEE

AGENDA

Friday, August 20, 2021, 8:30 a.m.
Community Foundation of Northern Nevada

Meeting Via Teleconference Only

MEMBERS OF THE PUBLIC MAY ATTEND VIA THE WEB LINK, OR
TELEPHONICALLY BY CALLING THE NUMBER, LISTED BELOW.
NO PHYSICAL LOCATION IS BEING PROVIDED FOR THIS MEETING
(be sure to keep your phones on mute, and do not place the call on hold)

Please click the link below to join the webinar:

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

Zoom Meeting ID: 878 568 6516

Password: CFNN

NOTES:

1. Unless and until the Governor issues a Directive or Order requiring a physical location be designated for meetings of public bodies where members of the public are permitted to attend and participate, no members of the public will be allowed in the TMWA's Corporate Office due to concerns for public safety resulting from the COVID-19 emergency and pursuant to the Governor of Nevada's Declaration of Emergency Directive 006 Section 1 which suspends the requirement in NRS 241.023(1)(b) that there be a physical location designated for meetings of public bodies where members of the public are permitted to attend and participate and subsequent directives related to social distancing. This meeting will be held by teleconference only.
2. The announcement of this meeting has been electronically posted in compliance with NRS 241.020(3) and Directive 006 at <http://www.tmwa.com>, and NRS 232.2175 at <https://notice.nv.gov/>.
3. Pursuant to Directive 006, the requirement contained in NRS 241.020(3)(c) that physical locations be available for the public to receive supporting material for public meetings has been suspended. Staff reports and supporting material for the meeting are available on the TMWA website at <http://www.tmwa.com/meeting/> or you can contact Sonia Folsom at (775) 834-8002. 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. The public may sign-up to speak during the Pursuant to Directive 006, public comment, whether on action items or general public comment, may be provided without being physically present at the meeting by submitting written comments online by email sent to 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. on August 20th. Voicemail messages received will either be broadcast on the telephone call during the meeting or transcribed for entry into the record. Public comment is limited to three minutes and is allowed during the public comment periods. The Committee may elect to receive public comment only during the two public comment periods rather than each action item. Due to constraints of TMWA's 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 May summary meeting minutes (**for possible action**)
5. Fund balance report*
6. Review grant proposals to Truckee River Fund and select projects to be recommended for funding (**for possible action**)
7. Committee and staff comments*
8. Next meeting: November 19, 2021 at 8:30am (**for possible action**)
9. Public comment (limited to no more than three minutes per speaker)*
10. Adjournment (**for possible action**)

MEETING MINUTES (TRANSCRIPT SUMMARY)

TRUCKEE RIVER FUND ADVISORY COMMITTEE MEETING OF MAY 21, 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, May 21, 2021, via Zoom and teleconference.

Those Present: Committee Members: Janet Phillips, Chair; Brian Bonnenfant, Vice Chair; Don Mahin; Mike Brisbin; Michael Cameron; Candice Elder; Terri Svetich; and Jim Smitherman. Also: Lauren Renda, Community Foundation of Western Nevada; Sonia Folsom with TMWA; Sarah Ferguson, Esq. with McDonald Carano; Members of the Public: Iris Jehle-Peppard with One Truckee River.

* 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 February summary meeting minutes (for possible action): The Meeting Minutes (Transcript Summary) for February 19, 2021 was unanimously approved.

Agenda Item #5: Review completed projects:

- a. **#210 Truckee River Watershed Council:** Truckee River Water Quality Monitoring Program, \$25,000 (Mike): Mike Brisbin reported that the project was satisfactorily completed as planned, all the funds were used as planned. He described that the project included 23 sites with chemical and physical analysis four times a year, and five sites for biological monitoring. There were over a hundred volunteers, two Snapshot Days, two team leader training days. They coordinated with the Truckee River Basin water group, and they compiled the

annual water quality monitoring report. A letter will be sent thanking them for completing their project and stating that we'd like to see their results posted on the Truckee River Information Gateway (TRIG), so that other parties will have access to that data.

- b. **#216 Truckee River Watershed Council:** McIver Dairy Meadow Restoration Project, \$161,000 (Michael): Michael Cameron reported that the project went off as planned and on budget. Our contribution was highly leveraged, and there were other funds. He described the project as being an old dairy that had an area that was once a functioning wetland that had been filled in over the years, so it was removing fill and restoring hydrologic function. All the metrics proposed in their grant were met.
- c. **#220 Washoe County Parks & Open Space:** Weed Treatment and Revegetation Project Along Truckee River, \$45,000 (Mike): Mike Brisbin reported that they completed the activities in the proposal, that \$404.45 which was unspent stayed in the Truckee River Fund. The project was successful, notwithstanding some challenges, such as work days missing due to heavy smoke from fires, last-minute political events, and drought conditions. They completed weed inventories for 330 acres, collected GIS information and logged weed species and entered it into a spatial database. They did chemical weed treatments for 117 acres, manual removal of weeds from 26.8 acres, and planted seeds on 12.3 acres, a massive amount of work. The project is considered done.
- d. **#223 Sierra Nevada Journeys:** Watershed Education Initiative, \$37,200 (Michael): Michael Cameron reported that this project was from before the pandemic, and so they were still doing their in-person watershed education. They met all their metrics, it was their usual programming, and it was successfully completed.
- e. **#226 Truckee Meadows Parks Foundation:** Truckee Meadows Nature Study Area: First Year Operational, \$101,526 (Brian): Brian Bonnenfant reported that this nature study area is on top of the old Rosewood Lakes Golf Course on the west side of Veterans Parkway. They used the money to staff operations, remove an invasive species from over 90 acres, plant over 1,000 native species, and improve over two miles of trail. They engaged with 500 community members. The goals were largely met, with the exception of opening the nature study area to the public due to the pandemic, but they do plan on opening in the spring, and they have a 30-year lease on the property, which will preserve wetlands and provide educational opportunities to students. The first year operations were a large success.

- f. **#234 Friends of Nevada Wilderness:** Mount Rose Noxious Weed Monitoring, Treatment, and Re-Seeding #8, \$28,549 (\$763.14 returned to Fund) (Brian): Brian Bonnenfant reported that because of the pandemic, they could not employ the historical amount of volunteers. But they did successfully use grant funds through creative staffing and by adding reseeding efforts, the first this group has gone down the road of reseeding in addition to eradication. Even with limited staff, all weed pulling events and reseeding efforts were successfully accomplished, and they met their goals. The lack of volunteers allowed the staff to train themselves with the reseeding efforts before they can share those methods with volunteers this year.
- g. **#236 Sierra Nevada Journeys:** Watershed Education Initiative for the Urban Truckee River Corridor, \$32,041 (Michael): Michael Cameron reported that this project was successfully completed during the pandemic. When they had written the grant, they left open in their goals that they might be able to do the program in-person, on-site next to the river, which didn't materialize due to the pandemic. So they moved to an on-line platform, which enabled them to access many more students, a trade-off to having more impact per student than the hands-on program would have had. They had success with their online platform, and they met their goals.

Agenda Item #6: Consider reconvening in person meetings at our next meeting (for possible action): After consideration by the group, a motion to meet in person for the August meeting passed unanimously. There will also be an option to call in or join by Zoom.

Agenda Item #7: Committee and staff comments: Michael commented that John Enloe had indicated that we'll probably get a slightly smaller allocation for the coming year than in prior years. Lauren will send out to the group the recently finalized Fund statement. Sonia added that at yesterday's meeting the Board approved \$700,000 as the funding amount for Truckee River Fund for fiscal year 2022.

Janet commented on a big article in the Tahoe Weekly publication about dog waste in the Tahoe Basin and how damaging it is to the environment and why it is bad for our watershed, adding that that information could be listed and used for an awareness campaign here, too. Terri provided the link for the article, and Lauren will resend it by email so that people can access it.

Brian commented that next Thursday at noon OTR and Nevada Land Trust are doing a ribbon cutting for the river signage at Mayberry Park, which will be followed by a bike ride.

Agenda Item #8: Next meeting: August 20, 2021 at 8:30am (for possible action): The next meeting is set for August 20, 2021 at 8:30am. No action was taken.

Agenda Item #9: Public comment (limited to no more than three minutes per speaker):

Sonia commented that everyone in the group received a meeting invite for their water year review presentation at 10:30 this morning. Anyone interested but unable to attend, she can send them the recording of the meeting.

Janet commented that Beverly Harry asked her why there are no tribal members on this committee. She remembered that John Mosley was on the committee at one time, and before him there might have been someone else. Candice added that anyone interested would have to apply.

Janet commented that we decided not to have a field trip this year. She suggested we could do a little bike tour of the downtown river section. There were comments regarding a possible date and time, starting place, others to invite, and Janet will put an itinerary together.

Agenda Item #10: Adjournment (for possible action): The meeting was adjourned at 9:41 a.m. No action was taken.



Cover Sheet

Date: July 22, 2021

Organization Name:	Sierra Nevada Journeys		
Type:	501(c)(3) EIN# 01-0881587	Governmental entity? N	
Address:	190 E. Liberty Street, Reno NV 89501		
Project Name:	Watershed Education Initiative for the Urban Truckee River Corridor		
Amount requested: \$30,055	Website: www.sierranevadajourneys.org		
This funding will be used to (complete this sentence with a max of 2 sentences):	Deliver high-quality, experiential watershed education programs based on water quality issues and invasive species along the urban Truckee River corridor to empower youth to take action for the protection and enhancement of the water quality of the Truckee River. To meet schools' needs in case of closures, we have several distance learning programs in place that will significantly engage students, teachers and parents with watershed education.		
Key People:	Director:	Eaton Dunkelberger, CEO	
	Board Chair:	Dan Klaich	
	Project Contact:	Name:	Alyssa Wagner
		Position:	Program Director
		Phone:	775-848-6628
		Fax:	775-329-1689
Email:	alyssaw@sierranevadajourneys.org		
Organization Mission:	To deliver innovative, outdoor, science-based education programs for youth to develop critical thinking skills and to inspire natural resource stewardship.		
Has your organization received other grants from the Truckee River Fund? Yes X No (use additional page if necessary)	If yes,		
	Date awarded:	March 2021	
	Project title:	Watershed Education Initiative	
	Amount of Award:	\$31,035	
	Date awarded:	September 2020	
	Project title:	Watershed Education Initiative	
	Amount of Award:	\$32,041	
	Date awarded:	April 2020	
	Project title:	Watershed Education Initiative	
Amount of Award:	\$30,912		

DESCRIPTION OF PROJECT UNDER CONSIDERATION

Indicate the description that best fits the project you are proposing. Mark no more than three categories:

- ☐ A. Projects that improve bank or channel stabilization and decrease erosion.
- ☐ B. Structural controls or Low Impact Development (LID) projects on tributaries and drainages to the Truckee River where data supports evidence of pollution and/or sediments entering the Truckee River.
- ☐ C. Projects that remove pollution from the Truckee River.
- ☐ D. Projects that remove or control invasive aquatic species or terrestrial invasive plant species that are adverse to water supply.¹

¹ For proposals related to weed control/eradication, contact Lauren Renda at the Community Foundation of Northern Nevada for additional criteria. lrenda@nevadafund.org; 775-333-5499.



☒ E. Other projects that meet the evaluation criteria.

1. Specific project goals and measurable outcomes and how you will measure and report them.

During the past 12 years, Sierra Nevada Journeys' (SNJ) Watershed Education Initiative (WEI) has impacted approximately 13,366 students and 625 educators. This has been made possible thanks to the generous support of the Truckee River Fund. WEI educates students about the local watershed, including human impacts on the watershed, water quality, and watershed protection. While in-class and field-based lessons reach students and educators, WEI's additional outreach components serve to engage families and community volunteers. With the specific focus of impacting the urban Truckee River corridor this Fall 2021 through WEI, we will successfully meet the following objectives:

Outputs	Outcomes
Deliver WEI to 750 K-8th grade students specifically from along the urban Truckee River corridor.	80% of students can correctly identify, label, and diagram the Truckee River Watershed. 70% of students can use knowledge of storm drains to describe how individuals and communities can reduce human impact on our watershed.
All students receive first-hand experience with the local watershed through a field-study on the Truckee River or one of its tributaries, or, in the case of a distance learning model, a virtual field trip or case study of the Truckee River.	95% of students participating in "Hands in the River" curriculum complete a Truckee River issue case study on water quality in the watershed. 95% of teachers will report that the program is helping to build critical thinking skills among their students.
Provide 28 teachers with WEI extension lessons.	

Methods to measure outcomes: Pre- and post-assessments are completed by each participating student. Each teacher completes a survey. Both are scored and compiled by SNJ staff. A third-party consultant from the NV Department of Education's assessment office consulted on the development of the assessment tools used in this program.

Methods to measure outputs: SNJ's Education Department manages an internal database that tracks details on participating students, schools, parents and volunteers.

We anticipate doing in-person learning this Fall. However, if Sierra Nevada Journeys WEI continues on a virtual platform due the COVID-19 crisis, we still anticipate reaching 28 teachers and 750 students with our Virtual Classrooms Unleashed. Even with hybrid learning restrictions this past year we reached 500+ teachers, 20,000 students and over 10,000 unique page views with Sierra Nevada Journeys at Home, which provides hands-on (including watershed) activities for use at home. Our website had 141,158 unique page views throughout this past year and we added 8,532 social media followers. Sierra Nevada Journeys is committed to being part of the solution in filling any unexpected education gaps created by the pandemic and its aftermath. Sierra Nevada Journeys will continue to deliver a successful education model, whether through traditional or virtual platforms, with the blend of fundraising dollars, program fees and community support, especially with the generous funding of the Truckee River Fund.



2. Project location. During Fall 2021, the two main field sites for this program will be located through and downstream of the urban corridor of the Truckee River; Oxbow Nature Study Area and the McCarran Ranch Preserve. These locations are convenient and close to home for local students, increasing their sense of ownership, awareness and comfort with accessible nature areas, and highlight regions along the Truckee River that are impacted by urban growth and development. In instances of distance learning programming, students will be guided through a “Virtual Field Trip” to the McCarran Ranch Preserve.

3. Project Description. A study from The Nature Conservancy reveals that students who have had a personal experience in nature are:

- Significantly more likely to express concern about water pollution, air pollution, climate change, and the condition of the environment;
- More than twice as likely to “strongly agree” that protecting the environment is “cool;”
- More than twice as likely to consider themselves a “strong environmentalist;” and
- Substantially more likely to express interest in studying the environment in college, working in a job related to nature, or joining an environmental club at their school.²

Through WEI, SNJ provides local youth with opportunities to have an interactive experience outdoors, increasing their likelihood to cherish nature, engage with it and become stewards of their natural resources.

With this funding, SNJ will serve 750 students in 28 classrooms within 10 miles of the urban corridor of the Truckee River. Conducted over a four-week period, WEI includes two in-class lessons, one field-study experience, pre- and post-assessments, classroom extension lessons for teachers, and family and community engagement. Curriculum developed and delivered by SNJ’s team of credentialed teachers aligns to state and national standards and the North American Association for Environmental Education’s Guidelines for Excellence.

SNJ’s Watershed Education Initiative Overview

The **school-based** component includes two in-class lessons (three) hours of engaging instruction. Students participate in hands-on lessons that incorporate the Truckee River watershed, point and non-point source pollution, invasive species, sources and impacts of erosion, water conservation and stewardship.

The **field-based** component includes approximately one day of outdoor science education as students hike along the Truckee River. Students seek clues related to the health of the watershed and determine water quality by collecting and identifying macro-invertebrates or conducting chemical tests such as pH, dissolved oxygen, or turbidity. Students use evidence to make a conclusion about the health of the Truckee River Watershed.

SNJ provides five ready-to-use classroom **extension lessons for teachers** that help students prepare for and review learning objectives, as well as extend and reinforce each SNJ-directed lesson. By explicitly modeling teaching methods and reinforcing with SNJ’s classroom lessons, we strive to support educators and multiply the effects of our student programming.

To encourage **family engagement**, SNJ provides teachers with a template to email parents with a summary and pictures of their child’s experience after each unit along with information for family-based discussion of the curriculum. This increases parent involvement, which allows individuals within families to reinforce the attitudes, motivations, skills and behaviors learned, and to foster parent–student communication about watershed-related topics.

The **volunteer component** of the program builds our capacity to involve the local community and broadens accessibility to our programming for low-income schools by helping to keep costs low. Volunteers, who are primarily comprised of retired educators, naturalists, and parent chaperones, also consistently report learning tremendously in their participation with WEI.

² The Nature Conservancy, Connecting America’s Youth to Nature, 2012 Retrieved from: <http://www.nature.org/newsfeatures/kids-in-nature/youth-and-nature-poll-results.pdf>



4. Grant priorities. WEI is an education program that addresses water, water quality and watershed protection for K-8th grade students, directly aligning with grant priority VI: *Stewardship and Environmental Awareness*. Students gain first-hand experience determining water quality, explore human impacts on their water source, and obtain skills, knowledge and a field experience to connect them to their local river. The overall long-term program impacts include:

- Students understand important science concepts related to the Truckee River watershed and can articulate how their actions affect the Truckee River watershed and local ecosystems.
- Teachers use extension lessons and implement more hands-on exploration of the watershed. Parents and community members engage in watershed education directly through WEI volunteer.
- Health of the Truckee River watershed and local ecosystems improves as students and their families adopt environmental stewardship practices that help reduce water pollution and human impacts.

5. Permitting. - N/A

6. Future land use. – N/A

7. If future phases of the project will be needed, identify anticipated sources of funding. - N/A

8. Principals involved:

Credentialed science educators on the SNJ staff will be directly responsible for coordination and delivery of watershed education programs. Alyssa Wagner is a former elementary school teacher and holds a Bachelor of Science in education from the University of Nevada, Reno, and a Masters in Curriculum and Instruction from Concordia University, Portland, Oregon.

9. Number of staff positions involved in project: Fulltime **4** Part-time **1**

10. Number of volunteers involved: If the project runs in-person, approximately **50** volunteers (including field educators and parent volunteers) will donate **time** during WEI's field-study portion of the program, increasing parents and community member access to watershed education.

11. Time Line of Project.

Deliverables	2021					
	July	Aug	Sep	Oct	Nov	Dec
Recruitment/Scheduling: SNJ outreach efforts are continuous. Outreach is now underway for the spring semester. SNJ targets schools that participated in watershed programming in the past and new schools that have not received WEI.						
Program Delivery: SNJ instructors will deliver engaging watershed education lessons to 750 students through school-based and field-based programs.						
Evaluation: SNJ staff will compile student assessment data throughout the grant period. These results will inform any changes to the curriculum to ensure effective programming in the future.						
Final Report: Submit the final report to the Community Foundation of Western Nevada. This report will include a summary of the work completed, student assessment data, and a budget update.						



12. Success.

Outputs	Tracking
<p>Deliver watershed education to 750 K-8th grade students from throughout northern Nevada.</p> <p>All students receive first-hand experience with the local watershed through a field-study on the Truckee River or one of its tributaries, or, in the case of a distance learning model, a virtual field trip or case study of the Truckee River.</p> <p>Provide 28 teachers with WEI extension lessons.</p>	<p>Internal SNJ database – Updated regularly throughout the year</p>
Outcomes	Tracking
<p>80% of students can correctly identify, label, and diagram the Truckee River Watershed.</p> <p>70% of students can use knowledge of storm drains to describe how individuals and communities can reduce human impact on our watershed.</p> <p>95% of students participating in “Hands in the River” curriculum complete a Truckee River issue case study on water quality in the watershed.</p> <p>95% of teachers will report that the program is helping to build critical thinking skills among their students.</p>	<p>Pre- and post-assessments – reviewed after the end of each program and presented in report at end of grant period</p> <p>Teacher surveys</p>

13. Grant Match

Match amount to be provided:		\$7,513 (25% of requested funds)
Match details:	Match is:	
	Cash	\$7,513
	In-kind	Note: Volunteer and in-kind hours may be calculated at a maximum rate of \$20/hour per individual. Indirect cost may not be counted as match.
	For the cash portion of your match, is the funding already being held by the applicant for this project? Yes ___ No <u>X</u>	
Description of matching funds/in-kind donations:	\$7,513 from the Nevada Division of Environmental Protection	



14. Project Budget
Watershed Education Initiative (WEI) Budget

Program Budget					
Item	Description	Per Student Expense	WEI Fall 2021 Expenses	SNJ Match	TRF Request
Education Personnel	Education Instructors, Program Directors and Coordinators	\$ 40.01	\$ 30,007.50	\$ 5,000.00	\$ 25,007.50
Direct Program Expenses	Direct program expenses, including: program and field day supplies, printing and paper, uniforms, etc.	\$ 6.73	\$ 5,047.50		\$ 5,047.50
Occupancy Expense	Rent and utilities	\$ 2.72	\$ 2,040.00	\$ 2,040.00	
Administration Expense	Marketing, office supplies, postage, outside printing services, internet and telephone	\$ 4.73	\$ 3,547.50	\$ 3,547.50	
	Total Expenses	\$ 54.19	\$ 40,642.50	\$ 10,587.50	\$ 30,055.00



TRUCKEE MEADOWS PARKS FOUNDATION

AWARENESS • APPRECIATION • STEWARDSHIP

Cover Sheet

Date: July 31, 2021

Organization Name:	Truckee Meadows Parks Foundation																										
Type:	501(c)(3) EIN# 45-4837735	Governmental entity? Y/N																									
Address:	50 Cowan Dr. Reno, NV 89509																										
Project Name:	Dog Waste Awareness Campaign																										
Amount requested: \$60,775	Website: www.tmparksfoundation.org																										
This funding will be used to (complete this sentence with a max of 2 sentences):	Create and promote a successful and widespread Awareness Campaign to encourage positive stewardship actions and keep dog waste out of parks and the Truckee River watershed.																										
Key People:	<table border="1"> <tr> <td>Director:</td> <td colspan="3">Heidi Anderson</td> </tr> <tr> <td>Board Chair:</td> <td colspan="3">Sarah Chvilicek</td> </tr> <tr> <td rowspan="5">Project Contact:</td> <td>Name:</td> <td colspan="2">Heidi Anderson</td> </tr> <tr> <td>Position:</td> <td colspan="2">Executive Director</td> </tr> <tr> <td>Phone:</td> <td colspan="2">(775) 453-0278</td> </tr> <tr> <td>Fax:</td> <td colspan="2">N/A</td> </tr> <tr> <td>Email:</td> <td colspan="2">info@tmparksfoundation.org</td> </tr> </table>			Director:	Heidi Anderson			Board Chair:	Sarah Chvilicek			Project Contact:	Name:	Heidi Anderson		Position:	Executive Director		Phone:	(775) 453-0278		Fax:	N/A		Email:	info@tmparksfoundation.org	
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Organization Mission:	Truckee Meadows Parks Foundation (TMPF) protects and enhances our communities' livability through public engagement, education, and the sustainability of our parks, open spaces, and trails. TMPF accomplishes this by offering innovative parks-based education and recreation programs designed to empower youth in pursuing STEAM (science, technology, engineering, art, mathematics) learning and to increase community-wide awareness, appreciation, and stewardship of Truckee Meadows parks.																										
Has your organization received other grants from the Truckee River Fund? Yes No (use additional page if necessary)	If yes, <table border="1"> <tr> <td>Date awarded:</td> <td>10/02/2019</td> </tr> <tr> <td>Project title:</td> <td>TRF #226- Truckee Meadows Nature Study Area: First Year Operational</td> </tr> <tr> <td>Amount of Award:</td> <td>\$101,526</td> </tr> <tr> <td>Date awarded:</td> <td>3/26/2019</td> </tr> <tr> <td>Project title:</td> <td>TRF#215- Truckee Meadows Nature Study Area: First Year Operational Phase</td> </tr> <tr> <td>Amount of Award:</td> <td>\$61,400</td> </tr> <tr> <td>Date awarded:</td> <td>10/04/2018</td> </tr> <tr> <td>Project title:</td> <td>Truckee Meadows Nature Study Area: Planning Phase</td> </tr> <tr> <td>Amount of Award:</td> <td>\$38,400</td> </tr> </table>			Date awarded:	10/02/2019	Project title:	TRF #226- Truckee Meadows Nature Study Area: First Year Operational	Amount of Award:	\$101,526	Date awarded:	3/26/2019	Project title:	TRF#215- Truckee Meadows Nature Study Area: First Year Operational Phase	Amount of Award:	\$61,400	Date awarded:	10/04/2018	Project title:	Truckee Meadows Nature Study Area: Planning Phase	Amount of Award:	\$38,400						
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TRUCKEE MEADOWS PARKS FOUNDATION

AWARENESS • APPRECIATION • STEWARDSHIP

DESCRIPTION OF PROJECT UNDER CONSIDERATION

- ☐ A. Projects that improve bank or channel stabilization and decrease erosion.
- ☐ B. Structural controls or Low Impact Development (LID) projects on tributaries and drainages to the Truckee River where data supports evidence of pollution and/or sediments entering the Truckee River.
- ☒ C. Projects that remove pollution from the Truckee River.
- ☐ D. Projects that remove or control invasive aquatic species or terrestrial invasive plant species that are adverse to water supply.¹
- ☒ E. Other projects that meet the evaluation criteria.

NARRATIVE REQUIREMENTS

1. Specific project goals and measurable outcomes and how you will measure and report them.

The Dog Waste Awareness Campaign from the Truckee Meadows Parks Foundation will increase awareness and actions of community members in disposing of dog waste in Reno/Sparks and Washoe County along the Truckee River's trails, parks and open spaces. The campaign will be hosted primarily on Facebook, Instagram, YouTube, the Parks Foundation website, local news stations, and marketed in all three jurisdictions with at least one video created in Spanish language. To determine the success of this campaign, the Parks Foundation will track and review social media and marketing analytics including reach, impressions, click rates, open rates, engagement, and views (video and webpage). As additional awareness metrics, the Parks Foundation will measure and record the number of dog waste bags distributed, as well as the number of people reached through presentations at in-person programs.

The Dog Waste Awareness Campaign is estimated to reach 10,000 views across social media platforms, partner with three local organizations to cross promote content, distribute 350,000 dog waste bags in one year, and create one video in Spanish language. With current marketing standards suggesting it takes three touch points to make an impression on viewers, the videos will run for four months with an re-assessment at three months to make sure impression goals are being hit.

2. Project location.

This campaign will be targeted to the residents of the City of Reno, City of Sparks, and Washoe County. Despite being separated on a map, the Truckee River winds through and connects these



TRUCKEE MEADOWS PARKS FOUNDATION

AWARENESS • APPRECIATION • STEWARDSHIP

three communities making it imperative that a unified effort is needed to reduce dog waste and preserve the health of the river.

3. Project description.

The Parks Foundation is eager to develop and execute a professional level Dog Waste Awareness Campaign that educates and informs Truckee Meadows community members on stewardship actions that keep dog waste out of the Truckee River watershed. The campaign will be developed in-house with management from our Communications Director, and guidance from a Public Relations agency, to incorporate best practices on maximizing community engagement. The chosen PR agency will provide a social media brief with specifics on marketing tactics, advertisement opportunities, and sustainable online engagement. The Doggie Waste Awareness Campaign will be promoted with Facebook, Instagram, Youtube, local broadcasting, and through the Parks Foundation's already established newsletters and website. The goal of this awareness campaign is to grow the amount of park goers reached, by increasing impressions, views, and clicks over all of our various mediums of advertising. In addition, with a 26.12% Hispanic/Latino population in Reno/Sparks, it is imperative to incorporate information in Spanish language. By promoting a strong, cohesive message of stewardship to a wide audience, Truckee Meadows Parks Foundation will influence more members of the community to participate in conservation actions regarding dog waste, and keep dog waste off the ground and out of the Truckee River. In 2020 alone, through the Parks Foundation's Doggie Ambassador Project, 461,400 dog waste bags were distributed. This number nearly doubled from 2019, in which 242,400 waste bags were distributed. With nearly a 100% increase in dog waste bag distribution, each bag distributed represents dog waste picked up and prevented from washing into the Truckee River watershed. While this growth represents a positive step, a targeted best-practice campaign will serve to amplify the reach of this ecologically critical, and publicly heeded, project.

The Dog Waste Awareness Campaign will be designed to protect the Truckee River watershed from the harmful effects of dog waste. Everytime it rains or snow melts, dog waste is washed away into drains and storm sewers. The waste, full of unhealthy bacteria, flows with the stormwater directly into ponds, lakes, and rivers. Stormwater is rarely treated before entering any natural body of water, resulting in all waste being directly deposited into the watershed carrying dangerous bacteria, such as salmonella, giardia, and parasites like hookworm and ringworm (Rahim, Barrios, McKee, et al. 2017). In high enough quantities, these bacteria and parasites cause bodies of water to become unsafe for human recreation, including common activities like swimming and fishing. According to the Environmental Protection Agency, dog waste is considered a nonpoint source environmental pollutant. In terms of harmfulness, this categorizes dog waste with herbicides, pesticides, oil, grease, toxic chemicals, and acid drainage from abandoned mines (US EPA, 2017). Furthermore, when dog waste begins to decay in a body of water, it releases an excess amount of nutrients such as phosphorus and nitrogen. In turn, the nutrient excess promotes an overabundance of algal growth (Stevens & Hussmann, 2017). If



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algal growth continues for a long duration of time, the body of water suffers significant oxygen depletion as well as a higher rate of unnatural fish mortality (Hallegraeff, 1993; Svircev et al., 2016). Lastly, in the event that the dog waste is not washed away with stormwater, it becomes susceptible to seeping deep into the ground and contaminating groundwater.

In addition to the negative environmental impact, excessive dog waste creates an unpleasant experience for park-goers. Through the Awareness Campaign, positive stewardship actions will become commonplace, and the negative environmental effects of excessive dog waste, listed above, will be prevented.

4. Grant priorities

The Dog Waste Awareness Campaign advances TRF's grant priority VI of Stewardship and Environmental Awareness: Support to Clean-Up programs and the development and implementation of educational programs relative to water, water quality and watershed protection. For many, the connection between neglected dog waste and its negative impact on the Truckee River is unknown or not well understood. Through the campaign, public education will be provided about the harmful effects of dog waste on the Truckee River and watersheds. After partnering with a local Public Relations agency, videos will be strategically produced and marketed to generate the most impact in the Truckee Meadows community. The awareness campaign will lead to community stewardship, and encourage park and trail goers to use the resources provided through established Dog Waste Stations and to clean up their pet's waste. These actions, inspired by the Awareness Campaign, will reduce the amount of harmful fecal matter entering the watershed.

5. Permitting.

There are no permits required for the Dog Waste Awareness Campaign.

6. Future land use.

There are no foreseeable zoning, land use, or development plans that may affect the Dog Waste Awareness Campaign.

7. Future Phases.

The Dog Waste Awareness Campaign will begin production in Fall 2021 with videos premiering in Spring 2022. A relaunch of the campaign will be dependent on the success and future funding. The Parks Foundation will utilize videos for educational and training purposes for future years.

8. Principals involved.



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Truckee Meadows Parks Foundation Executive Director, Heidi Anderson; Program and Events Manager, Chantel Dominguez; and Communications Director, Matt DeBray will be the principals involved in the coordination of the project. Matt DeBray studied Radio Television Production at the University of Montana and brings over a decade of video production experience to this project.

9. Number of staff positions involved in project:

Fulltime: 0 Part-time: 3

10. Volunteers Involved.

The Dog Waste Awareness Campaign will utilize current Truckee Meadows Parks volunteers in recruiting for talent in the videos with anticipation of 5 volunteers contributing.

11. Timeline.

November 2021: Initiate Public Relations partnership to develop a campaign brief to inform the creative strategy and production plan.

January/February 2022: Begin drafting plans, scripts and themes for the Awareness Campaign. Identify partner organizations to distribute campaign videos. Draft Spanish language version of campaign with guidance from a Spanish interpreter.

March 2022: Begin production of videos and create a media distribution calendar.

April 2022: Share first awareness campaign videos on social and traditional media, distribute social media promotion, begin tracking engagement numbers. Continue production of additional campaign videos. Partner with three local organizations to post produced videos as original content on respective social media platforms and websites.

May 2022: Share second awareness campaign videos via social and traditional media and newsletters while working with community partners to increase campaign reach through additional distribution.

June 2022: Share third awareness campaign video via social and traditional media. Utilize “elevator pitch” at dog-friendly parks and in-person events. Report three months of engagement numbers. Identify areas where engagement can be increased.

July 2022: Share fourth awareness campaign video, focusing on areas identified in June.

August -December 2022: Continue to repost content and identify partner organizations to



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distribute to a wider audience. Every three months engagement data will be analyzed and adjustments made to distribution.

4. Success.

Success will be measured by utilizing data from social media and web page analytics, success of creating a Spanish language video, and the number of dog waste bags distributed to show an increase in action from the community. The campaign's success will be indicated by an increase in overall reach and impressions (social media and digital ads), web page visits, and video views.

5. Collaboration.

The Parks Foundation will collaborate with three community organizations in Reno, Sparks, and Washoe County to spread the mission and re-share newsletters, videos, and other media materials from the Dog Waste Awareness Campaign. Some entities for consideration include the City of Sparks, the City of Reno, the SPCA of Northern Nevada, Nevada Humane Society, Keep Truckee Meadows Beautiful and One Truckee River.

6. Grant match.

See page 7.

7. Project budget

See page 6.



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Dog Waste Awareness Campaign Budget

Budget Item Description	Truckee River Fund	Other Funding Name	Match Funds	Total Funds
Programs & Events Manager	\$9,450	AmeriCorps	\$6,750	\$16,200
Communications Manager	\$10,800	AmeriCorps	\$2,200	\$13,000
AmeriCorps VISTA Communications Coor.	\$0	AmeriCorps	\$3,000	\$3,000
AmeriCorps VISTA Community Engagement Coor.	\$0	AmeriCorps	\$3,000	\$3,000
Supplies	\$5,000	TMPF	\$2,500	\$7,500
Consulting	\$8,000	-	\$0	\$8,000
Spanish Interpreter	\$2,000	-	\$0	\$2,000
Marketing	\$20,000	NVBA	\$24,000	\$44,000
Administrative	\$5,525	-	\$0	\$5,525
TOTAL	\$60,775	-	\$41,450	\$102,225



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Dog Waste Awareness Campaign Grant Match

Match amount to be provided:	\$ 41,450						
Match details:	<p>Please provide the form of your matching funds. If match is made up of both cash and in-kind, fill in both sections.</p> <p>Match is: \$41,450</p> <table border="1"> <tr> <td>Cash</td> <td>\$ 14,950</td> </tr> <tr> <td>In-kind</td> <td>\$ 26,500</td> </tr> <tr> <td></td> <td></td> </tr> </table> <p>For the cash portion of your match, is the funding already being held by the applicant for this project? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	Cash	\$ 14,950	In-kind	\$ 26,500		
Cash	\$ 14,950						
In-kind	\$ 26,500						
Description of matching funds/in-kind donations:	<p>The Truckee Meadows Parks Foundation receives funding from the AmeriCorp VISTA and the State and National Program to support community education and stewardship. In-kind match will come from Truckee Meadows Parks Foundation with use of video production equipment and from Nevada Broadcasters Association to air the videos on local news stations in the Truckee Meadows.</p>						



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Citations

Hallengraeff, G. M. (1993). A review of harmful algal blooms and their apparent global increase. *Phycologia*, 32(2), 79-99.

Rahim, T., Barrios, P., McKee, G., McLaws, M., Kosatsky, T. (2017). Public health considerations associated with the location and operation of off-leash dog parks. *Journal of Community Health*. DOI 10.1007/s10900-017-0428-2

Stevens, D. & Hussmann, A. (2017). Wildlife poop versus dog poop: Explained: Leave No Trace. Retrieved from <https://lnt.org/blog/wildlife-poop-versus-dog-poop-explained>

Svircev, Z., Obradovic, V., Codd, G., Marjanovic, P., Spoof, L., Drobac, D., Tokodi, N., Petkovic, A., Nenin, T., Simeunovic, J., Vazic, T., Meriluto, J. (2016). Massive fish mortality and *Cylindrospermopsis raciborskii* bloom in Aleksandrovac Lake. *Ecotoxicology*, 25(7), 1353-1363.

US EPA (2017, May 2). What is Nonpoint Source? Retrieved from <https://www.epa.gov/nps/what-nonpoint-source>



TRUCKEE MEADOWS PARKS FOUNDATION

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Letter of Support from Councilman Dahir

July 22, 2021

To whom it may concern,

As a city councilman for the City of Sparks, and one who serves on many boards to enhance our region, please accept my support of the Truckee Meadows Parks Foundation's application for the Fall 2021 Truckee River Fund to support the Dog Waste Awareness campaign. I believe this campaign will preserve and protect the water quality of the Truckee River.

With many of the parks and open spaces in Truckee Meadows coinciding with the Truckee River, dog waste runoff into the river is a bigger concern than it ever has been. Amid an estimated 60% increased usage of parks and outdoor spaces during the pandemic, an increase in public awareness about how to properly care for these areas must follow. With the creation and promotion of a successful and widespread Dog Waste Awareness campaign we can limit the dog waste entering the Truckee River Watershed and contaminating the water supply.

Truckee Meadows Parks Foundation currently manages the Doggie Ambassador Program which not only provides thousands of dog waste bags to community members but distributes them as well. The Parks Foundation maintains outstanding relationships with the community as a leader in stewardship, appreciation, and awareness of our Truckee Meadows, but adequate funding is needed to launch this much needed aspect of the project. I believe the Parks Foundation has the reach and resources to execute this campaign effectively.

Funding from the Truckee River Fund for this project will contribute to positive impact and enhanced water quality of the Truckee River.

Thank you for your consideration,

Councilman Kristopher Dahir



Cover Sheet

Date: July 30, 2021

Organization Name:	Truckee River Foundation DBA One Truckee River	
Type:	501(c)(3) EIN# 20-3378838	Governmental entity? No
Address:	P.O. Box 18153 Reno, NV 89511	
Project Name:	OTR River-Friendly Landscaping Program Expansion	
Amount requested:	\$48,000	Website: www.onetruckeeriver.org
This funding will be used to (complete this sentence with a max of 2 sentences):	Expand OTR River-Friendly Landscaping Program to protect water quality in the Truckee River Watershed.	
Key People:	Director: Iris Jehle-Peppard Board Chair: Lynn Zonge Project Contact: Name: Iris Jehle-Peppard Position: Executive Director Phone: 775-450-5489 Fax: 775-851-5182 Email: iris@onetruckeeriver.org	
Organization Mission:	OTR (OTR) mission is to ensure a healthy, thriving, sustainable river connected to the hearts and minds of its community.	
Has your organization received other grants from the Truckee River Fund? Yes, X No (use additional page if necessary)	See Attachment A	

DESCRIPTION OF PROJECT UNDER CONSIDERATION

Indicate the description that best fits the project you are proposing. Mark no more than three categories:

- ☐ A. Projects that improve bank or channel stabilization and decrease erosion.
- ☒ B. Structural controls or Low Impact Development (LID) projects on tributaries and drainages to the Truckee River where data supports evidence of pollution and/or sediments entering the Truckee River.
- ☒ C. Projects that remove pollution from the Truckee River.
- ☐ D. Projects that remove or control invasive aquatic species or terrestrial invasive plant species that are adverse to water supply.¹
- ☒ E. Other projects that meet the evaluation criteria.

¹ For proposals related to weed control/eradication, contact Lauren Renda at the Community Foundation of Northern Nevada for additional criteria. lrenda@nevadafund.org; 775-333-5499.



NARRATIVE REQUIREMENTS

1. ***Specific project goals and measurable outcomes and how you will measure and report them.***

OTR proposes to expand OTR River-Friendly Landscaping Program (the Program), beyond its pilot, with the goal to engage Truckee Meadows homeowners to teach landscape design and maintenance practices that protect Truckee Meadow's water quality. Based on the Program's pilot successes (see project description), we propose expanding the Program with three new goals:

Goal 1: Conduct marketing and branding research to determine how best to reach a larger audience.

Goal 2: Expand the existing Programming, including public workshops, social media campaign and articles.

Goal 3: Develop a new branch of the Program focused on new construction to encourage new development (developers) to design and install landscaping that protects the Truckee River water quality.

Measurable Outcomes

Goal 1 Outcomes: To address concerns that the name "River-Friendly Landscaping" may be confusing and that messaging should be more focused on audience needs, we propose conducting market research to determine if rebranding and redirected messaging would help Program expansion. We will conduct a focus group with our target audience. Based on the findings, we will develop and conduct a community survey to validate messaging concepts and determine whether rebranding is necessary. We will form a technical advisory group to solicit feedback from local landscape industry professionals and determine design guidelines to include in our newly branded landscape aesthetic. Once the name, key messaging concepts, and landscape aesthetic guidelines are determined, we will work with a marketing professional to develop a unique Program logo. We will update the current Program's webpage to reflect any new branding.

Goal 2 Outcomes: To build on the existing homeowner education Program pilot and incorporate more implementation tools, we propose the following outcomes:

- 1) Continue social media posts, blogs, and in-person and virtual workshops focused on homeowner associations in collaboration with the Truckee Meadows Stormwater Permit Coordinating Committee (TMCWPCC).
- 2) Develop a new landscape design workshop that will take homeowners beyond learning broad concepts and teach them how to create landscaping that meets their unique goals while protecting water quality.
- 3) Create more resources to help homeowners with implementation, including a new Facebook group, a 1-page handout, and design templates. The Facebook group will create a new community forum for design workshop participants to ask questions and get implementation advice. The handout will be distributed as a workshop take-away to help reinforce the techniques covered in the class. The design templates will be example planting designs for buffer strips (plantings between the lawn and sidewalk that reduce runoff). These templates will use water-wise plants outlined in the TMWA Water Efficient Landscape Guide.

Goal 3 Outcomes: To make sure we're regionally building to protect water quality into the future instead of constantly retrofitting existing homes, we propose research and development of a new construction branch of the Program. This will be a totally new effort that will first require research. We will review existing local land development codes and research model landscaping codes as it relates to water quality from other regions. We'll report our findings to the jurisdictions to increase education on potentially more policies to protect water quality. We will interview local planning departments and developers to gain insight as to what new construction landscape guidelines and codes are feasible and marketable within our region to adjust. Based on this research, we will develop design guidelines for new construction that incorporate the Program's new branding and includes an outline for implementation of the new construction branch of the Program.

How Outcomes Will be Measured: *Outcomes of each goal will be measured with the following deliverables:*



Goal 1 Deliverables: Focus Group Findings Summary, Community Survey Results, TAG Feedback and Conclusions on Elements to Include in a “River-Friendly Landscape”, Logo for Marketing Materials and Website Updates (if deemed necessary).

Goal 2 Deliverables: 27 Social Media Posts, 4 Articles/Blogs, New Design Workshop Curriculum, 8 Workshops, 3 Buffer Strip Design Templates, Facebook Group, Updated Program Handout.

Goal 3 Deliverables: Report on Potential Sustainable Landscaping Policies to Protect Water Quality that the OTR Executive Director will share with the jurisdictions, Design Guidelines for New Construction, Outline of Strategy for Implementing of the Program’s New Construction Outreach.

2. **Project location:** The project location will not be related to a specific location. It will target all residential parcels in Nevada’s Truckee River watershed. Yet, OTR is open to explore a specific geographical area for some of Goal 2 efforts, if desired by the Truckee River Fund Advisory Committee.
3. **Project description.** *Include site map and aerial photos if applicable/possible. Maps and photos must fit on 8-1/2” x 11” paper. Cite any studies that support your project.*

OTR launched the Program’s pilot in 2020/21 with funding from the Western Regional Water Commission (WRWC). The Program’s pilot goal was to engage Truckee Meadows homeowners to teach about landscape design and maintenance practices that protect water quality in the Truckee River Watershed. This Program was initiated because residential parcels are increasing across the Truckee Meadows, and they have great stormwater runoff reduction potential when assessed cumulatively. According to the Nevada 2016-2018 Water Quality Integrated Report, **“Pollution from nonpoint sources (NPS) is the leading cause of water quality impairments in Nevada.”** The Program helps to address NPS pollution and support Nevada Division of Environmental Protection (NDEP) 2015-2019 Nonpoint Source Management Plan goals and strategies to “implement best management practices that minimize or prevent urban nonpoint source pollution.” It supports OTR Management Plan prioritized Action Item 1.4.c) *Develop and implement a coordinated vegetation management plan along the river* by being an avenue to support the local jurisdictions to reach out to residents about their vegetation management practices while OTR leads a coordinated Vegetation Management Master Planning effort with funding from the Bureau of Reclamation administrated by Nevada Land Trust. In addition, the Program supports the implementation of these other OTR Action Items:

- **1.1.c)** Implement Best Management Practices to improve quality of water flowing into the Truckee River from contributing watershed areas.
- **1.2a)** Develop Truckee River Watershed Management Plan through stakeholder coordination and consensus process.” This plan has been developed and the Program supports its goals by addressing watershed management on residential parcels.
- **1.3.b)** Educate users of the Truckee River on issues impacting water quality.

The Program’s pilot started in September 2020 included public workshops, social media, and articles/blogs. Results from the Program’s pilot include:

- 539 workshop participants, with 88% reporting an increased knowledge of urban runoff pollution.
- 34,106 social media views reached with a 5% engagement rate meaning 1,705 people provided comments, clicked, or shared the Program’s pilot content. This engagement rate is considered above average as it relates to social media marketing standards. Blogs and articles were published with a distribution of over 34,000 in publications including the Sierra Club Toiyabe Chapter’s blog, Moana Nursery’s blog, and NDEP’s Nevada Water Quality News.

Based on the great success of the Program’s pilot, OTR is seeking to expand its efforts. To determine the Program’s next steps, we solicited feedback from participants and local water quality professionals. We conducted research and interviews with similar water quality and conservation education Programs in other western states. Some of the “take-aways” were:

- 1) the name River-Friendly Landscaping is confusing to some,
- 2) messaging should focus on audience needs (i.e., while water quality improvement is our goal, it may be better to concentrate messaging on homeowners’ concerns like high water bills and time lost to yard maintenance),



- 3) education programs should teach design instead of broad principles (i.e., don't just tell people what they're doing wrong; instead, give them the tools to create landscapes that works for their needs while protecting water quality), and
- 4) the greatest gains for water quality improvements come from working with homeowners' associations and ensuring that new construction is installed with water quality in mind from the get-go.

Based on this feedback and research, we are proposing to expand the Program in three parts:

- 1) marketing and branding research,
- 2) expansion of the homeowner education Program, and
- 3) development of a new branch of the Program focused on new construction.

4. **Reports that Support this Project:** OTR Management Plan, Phase I, Nevada 2016-2018 Water Quality Integrated Report, Nevada Nonpoint Source Management Plan, and the Truckee Meadows Stormwater Monitoring Annual Report Fiscal Year 2020.
5. **Grant priorities.** *Explain how the proposed project advances the TRF's grant priorities (page 2 of the cover sheet); refer to the priorities by number in your narrative.*

Expansion of the Program meets TRF's Grant Priority II Watershed Improvements, III Local Stormwater Improvements, and VI Stewardship and Environmental Awareness because it provides water quality and watershed protection in adult education programming and is designed to mitigate residential stormwater runoff and NPS pollution. The Program encourages landscape design techniques and maintenance practices that reduce sediments, phosphorus, and nitrogen in direct support of efforts to meet the Truckee River's TMDL requirements. It encourages techniques to reduce stormwater runoff volumes, mitigating hydro-modification of channels and water temperature increases due to surface runoff across hot pavement.

6. **Permitting.** *Provide a permitting schedule for your project along with your plan for getting the required permits. Be sure to include the cost of permitting as a line item in your budget. N/A*
7. **Future land use.** *List any known or foreseeable zoning, land use or development plans that may affect your proposed project.*

No zoning, land use, or development plans will interfere with the proposed Program goals. It will include research on policies related to water quality that will be shared with the jurisdictions for educational proposes and consideration. It will work with developers to educate and identify feasible adjustments to their plans to protect water quality.

8. **If future phases of the project will be needed, identify anticipated sources of funding.**

OTR is working to gain more funding sources for the Program and other OTR prioritizes through the TMSWPCC, WRWC, and NDEP. OTR Proposal Writing Team with the support from the National Park Service is identifying more funders who may have an interesting in supporting OTR work including this Program.

9. **Number of staff positions** involved in project: Fulltime Part-time **1**
10. **Number of volunteers involved** in project and an estimated number of volunteer hours.

The Program had numerous volunteers involved in the pilot. We anticipate volunteers will continue to be involved in the Program in different capacities. **Goal 1:** volunteers will be recruited and organized in a focus group setting to review material and provide in-depth input related to the Program's current and future branding options. **Goal 2:** volunteers from organizations that co-host public workshops and staff from the jurisdictions assist with conducting workshops and promoting Program workshops and educational material. **Goal 3:** We anticipated to gain 2 to 4 developers that will volunteer their time to provide guidance on the new construction branch of the Program. We estimate there will be 20 volunteers overall providing an estimated 4 hours each toward the Program for a total of 80 volunteer hours. We have an AmeriCorps member position that will provide 140 hours to support the Program and NDEP provided staff time to review and provide edits to the Program's pilot. NDEP agrees to continue this contribution for the proposed Program expansion for an estimated 37 hours of review and edits to Program material produced.



11. Time Line of Project. List key dates and include project milestones.

The goals outlined in this proposal will be completed within one calendar year after funding.

12. Success. Tell the committee how we will know you succeeded in what you proposed to do.

Immediate success will be evident if we meet the measurable outcomes and deliverables for each goal, as detailed above. Longer-term success, and the ultimate goal of our actions, will be evident if the water quality in the Truckee River being improved. It will take longer to assess since water quality data is often highly variable due to innumerable factors.

13. Collaboration. List partnerships or collaborations with other entities in relation to your proposal, if any.

The Program's pilot collaborated with the following entities to support public outreach:

Lahontan Audubon Society, Moana Nursery, Reno Sunrise Rotary Club, Reno Kayakers, The Nature Conservancy, Reno Food Systems, Living With Fire (UNR), Nevada Land Trust, Keep Truckee Meadows Beautiful, Sierra Club Toiyabe Chapter, Galena Creek Visitor Center, University of Nevada Reno Cooperative Extension, Rail City Garden Center, Newcomers and Neighbors of Northern Nevada Club, the Historic Reno Preservation Society, Arrow Creek Garden Club, May Arboretum Society, the Osher Lifelong Learning Institute of UNR, the American Society of Landscape Architects Nevada Chapter, and Washoe County Green Team.

We are always pursuing additional collaborations and as part of the Program expansion, we will be targeting homeowners' associations, realtors, and developers. We collaborate with NDEP that provides technical review of the Program's materials.

Grant Match

Match amount to be provided:	\$15,055
Match details:	<p>Please provide the form of your matching funds. If match is made up of both cash and in-kind, fill in both sections.</p> <p>Match is:</p> <p>Cash \$ 10,000</p> <p>In-kind \$ 5,055 (\$1,110 NDEP + \$1,600 volunteers + \$2,345 AmeriCorps)</p> <p><i>Note: Volunteer and in-kind hours may be calculated at a maximum rate of \$20/hour per individual. Indirect cost may not be counted as match. For the cash portion of your match, is the funding already being held by the applicant for this project? Yes x</i></p>
Description of matching funds/in-kind:	<p>Cash: WRWC Program funding of \$10,000.</p> <p>In-kind provided by multiple OTR partners and relevant community groups:</p> <ul style="list-style-type: none"> • \$1,110 (37 hrs. x \$30/hr.) for NDEP paid staff to review and provide edits to Program materials • \$1,600 (20 volunteers at 4 hrs each x \$20/hr) volunteers related to Goal 2 • \$2,345 (140 hrs. out of 1,720 hrs for \$28,806 AmeriCorps member support

ATTACHMENTS: You may be asked to submit the following attachments via email. If you are asked to submit the attachments, clearly label each file with your organization's name. If you do not have the ability to email them, place each of the items listed below on a separate page and submit just one copy. **Nonprofits submit: 1)** Last audited financial statements if your organization has been audited, **2)** List of Board of Directors, **3)** Copy of agency's IRS 501(c)(3) Tax Determination Letter, and **4)** Copy of the agency's most recent IRS Form 990.



OTR RIVER-FRIENDLY LANDSCAPING PROGRAM						
EXPANSION BUDGET					REIMBURSEMENT REPORT	
Budget Item Description*	TRF \$	Other Funding Name	Match \$	Total	Expenditures to date TRF	Expenditures to date (other sources)
NDEP to provide oversight of Program material		NDEP	\$1,110	\$1,110		
Consultant: Urban Ecology Solutions LLC, Carrie Jensen, Landscape Architect and Environmental Educator	\$38,400	WRWC	\$10,000	\$48,400		
Labor—20 volunteers (4 hrs each@ \$20/hr)		Various	\$1,600	\$1,600		
Labor—AmeriCorps (140 hrs out of 1,720 hrs of total service)		AmeriCorps	\$2,345	\$2,345		
In-direct Expenses at 25% including printing and reproductions, postage, office supplies, payroll services, insurance, tel-communications, utilities, dues, and subscriptions.	\$9,600	N/A	\$0	\$9,600		
TOTAL	\$48,000		\$15,055	\$63,055		
<i>If project is to be implemented in phases, please separate budget into each phase. Indirect costs may not be counted as match.</i>						

Attachment A: One Truckee River Fund Grant History

Note: In 2020, One Truckee River transitioned to its long-term home, the 501 (3) nonprofit, Truckee River Foundation from the fiscal agent Nevada Land Trust.

Funding to Truckee River Foundation DBA One Truckee River	
Date Awarded:	March 17, 2021
Project Title:	One Truckee River Partnership and engagement with the public
Amount of Award:	\$196,590
Funding to One Truckee River through the fiscal agent Nevada Land Trust	
Date Awarded:	August 13, 2020
Project Title:	TRF #235 - One Truckee River Overall Support and Restroom Attendant
Amount of Award:	\$74,293
Date Awarded:	August 16, 2019
Project Title:	TRF #221: River Restroom Project
Amount of Award:	\$124,976
Date Awarded:	March 22, 2017
Project Title:	TRF #188: One Truckee River – Phase 1 Action
Amount of Award:	\$256,220
Date Awarded:	September 23, 2016
Project Title:	TRF #180: One Truckee River – Phase 1 Implementation
Amount of Award:	\$98,534
Date Awarded:	March 21, 2012
Project Title:	TRF #104: Washoe Drive Fire Stabilization and Restoration Effort
Amount of Award:	\$115,000
Date Awarded:	December 12, 2011
Project Title:	TRF #99: Caughlin Fire Emergency Watershed Stabilization & Restoration Effort
Amount of Award:	\$219,856
Date Awarded:	October 11, 2011
Project Title:	TRF #90: Weed Treatments & Revegetation, Truckee River & Tributaries
Amount of Award:	\$127,500
Date Awarded:	July 21, 2009
Project Title:	TRF #70: Weed Treatments & Revegetation, Truckee River & Tributaries
Amount of Award:	\$125,000
Date Awarded:	July 21, 2009
Project Title:	TRF #66: Scope of Work for Truckee River Ecosystem Restoration Coordination, Creation of a Five-Year Weed Control and Restoration Plan for the Truckee River
Amount of Award:	\$10,000
Date Awarded:	July 17, 2008
Project Title:	TRF #46: Weed Treatments & Revegetation, Truckee River & Tributaries
Amount of Award:	\$112,500



July 29, 2021

Truckee River Fund
Attn: Janet Phillips
50 Washington Street, Suite 300
Reno, NV 89503

RE: One Truckee River River-Friendly Landscaping Program Expansion

Dear Ms. Phillips and Truckee River Fund Advisory Committee,

The purpose of this letter is to express my support, as the City of Reno Stormwater Management Program manager, for the One Truckee River's (OTR) River-Friendly Landscaping Program Expansion proposal. Public Works Environmental Engineering staff have been actively collaborating with OTR consultant Carrie Jensen, Urban Ecology Solutions LLC, in developing a maintenance landscape training curriculum for homeowner associations throughout the Truckee Meadows.

We view this program as an important element of ongoing region wide efforts by multiple stakeholders to protect the Truckee River. It fits seamlessly with the City of Reno's responsibilities of implementing program elements detailed in the Truckee Meadows Stormwater Management Program including stakeholder coordination, watershed management, public education and outreach and low impact development.

We look forward to continued collaboration with OTR in protecting the Truckee River watershed.

Sincerely,

A handwritten signature in black ink, appearing to read "Theresa Jones". The signature is fluid and cursive, with a large loop at the end.

Theresa Jones, MSc, PE
Stormwater Management Program Manager



Cover Sheet

Date: July 30, 2021

Organization Name:	Truckee River Foundation DBA One Truckee River																			
Type:	501(c)(3) EIN# 20-3378838	Governmental entity? N																		
Address:	P.O. Box 18153, Reno, NV 89511																			
Project Name:	One Truckee River Brodhead Park Restoration Project: Phase 1																			
Amount requested: \$69,724	Website: www.onetruckeeriver.org																			
This funding will be used to (complete this sentence with a max of 2 sentences):	One Truckee River (OTR) will: 1) Plan and coordinate a riparian restoration Project at Brodhead Park, along a segment of the mainstem Truckee River; and 2) streamline planning and implementation of future restoration Projects within the urban core of the Truckee River (within NV) supporting OTR Vegetation Management Master Planning effort.																			
Key People:	<table border="1"> <tr> <td>Director:</td><td colspan="2">Iris Jehle-Peppard</td></tr> <tr> <td>Board Chair:</td><td colspan="2">Lynn Zonge</td></tr> <tr> <td rowspan="5">Project Contact:</td><td>Name:</td><td>Iris Jehle-Peppard</td></tr> <tr> <td>Position:</td><td>Executive Director</td></tr> <tr> <td>Phone:</td><td>775-450-5489</td></tr> <tr> <td>Fax:</td><td>775-851-5182</td></tr> <tr> <td>Email:</td><td>iris@onetruckeeriver.org</td></tr> </table>			Director:	Iris Jehle-Peppard		Board Chair:	Lynn Zonge		Project Contact:	Name:	Iris Jehle-Peppard	Position:	Executive Director	Phone:	775-450-5489	Fax:	775-851-5182	Email:	iris@onetruckeeriver.org
Director:	Iris Jehle-Peppard																			
Board Chair:	Lynn Zonge																			
Project Contact:	Name:	Iris Jehle-Peppard																		
	Position:	Executive Director																		
	Phone:	775-450-5489																		
	Fax:	775-851-5182																		
	Email:	iris@onetruckeeriver.org																		
Organization Mission:	OTR's mission is to ensure a healthy, thriving, sustainable river connected to the hearts and minds of its community.																			
Has your organization received other grants from the Truckee River Fund? Yes, X No (use additional page if necessary)	See Attachment																			

DESCRIPTION OF PROJECT UNDER CONSIDERATION

Indicate the description that best fits the Project you are proposing. Mark no more than three categories:

- ☒ A. Projects that improve bank or channel stabilization and decrease erosion.
- ☐ B. Structural controls or Low Impact Development (LID) Projects on tributaries and drainages to the Truckee River where data supports evidence of pollution and/or sediments entering the Truckee River.
- ☐ C. Projects that remove pollution from the Truckee River.
- ☐ D. Projects that remove or control invasive aquatic species or terrestrial invasive plant species that are adverse to water supply.¹
- ☒ E. Other Projects that meet the evaluation criteria.

¹ For proposals related to weed control/eradication, contact Lauren Renda at the Community Foundation of Northern Nevada for additional criteria. lrenda@nevadafund.org; 775-333-5499.



1. **Project goals and measurable outcomes and how you will measure and report them.**

One Truckee River's (OTR's) proposed Brodhead Park Restoration Project: Phase 1 (the Project) will plan a restoration Project at Brodhead Park (park) that will address critical issues facing the Truckee River, including impaired water quality (total dissolved solids [TDS] and temperature), erosion, wildlife habitat needs, and hydrological resiliency. Goals and outcomes are aimed at addressing specific needs for the park and will also inform the overall OTR-coordinated Vegetation Management Master Planning effort underway that is funded by Bureau of Reclamation (BOR) and administrated by Nevada Land Trust (NLT). Lessons learned through the proposed Project will have far-reaching implications and benefits for future restoration projects along the mainstem of the Truckee River within Nevada (NV). The Project will further improve the physical environment at the park, supporting the OTR River Restroom Project and Washoe County/Karma Box Project River Stewards Program efforts underway at and nearby the park.

Project Goal 1: Plan and coordinate a riparian restoration Project at the park.

Goal 1 Measurable Outcomes (future Project phases will accomplish additional outcomes):

Outcome 1a: Develop a conceptual design and restoration plan for vegetation establishment and bank stabilization at the park that will require minimal maintenance.

Outcomes 1b: Develop a preliminary implementation plan (document) that identifies partners who can provide labor, materials, and resources for implementation of restoration at the park.

Project Goal 2: Streamline planning and implementation of future restoration projects within the urban core of the Truckee River, in support the current coordinated OTR Vegetation Management Master Planning effort.

Goal 2 Measurable Outcomes (future Project phases will accomplish additional outcomes):

Outcomes 2a: Identify permits and approvals necessary to implement the conceptual restoration design for the park (developed through Outcome 1a), which would directly apply to planning and implementing future Truckee River restoration projects within NV in the urban core.

Outcome 2b: Work with state/local municipalities and other regulatory agencies to develop a conceptual restoration design for the park that minimizes permitting requirements; for example, OTR will work with the Carson-Truckee Water Conservancy District (CTWCD) to develop a restoration design (including vegetation species and bank stabilization measures) that does not trigger a Clean Water Act 404/408 permit. These restoration design solutions for the park would significantly streamline Project approvals and costs for permitting and implementation this Project and future restoration projects in NV.

Outcome 2c. Engage local residents from the neighborhood near the park to solicit input on recreational use of the area. The public engagement will build excitement and community ownership of the park, setting the stage for volunteer engagement, increased care, and community oversight on future restoration and maintenance.

2. **Project location.** Brodhead Park in Reno, NV

3. **Project description:** OTR is proposing to plan a pilot restoration Project at Brodhead Park (see *Attachment A*), which directly complements the OTR Vegetation Management Master Planning effort that is aimed at developing a Framework Vegetation Management and Restoration Plan (Framework Plan) for the urban stretch of the Truckee River, within the Reno-Sparks urban core of NV. In conjunction with development of the Framework Plan, OTR's contractors (SWCA Environmental Consultants [SWCA] and Resource Concepts, Inc [RCI]) are developing support tools (regulatory matrix, web map tool, vegetation management strategies planning tool, etc.) to assist in development of implementation-level restoration plans. The proposed Project would be the first of many implementation-level plans and complement the master planning effort.

The OTR Vegetation Management Master Planning Steering Committee and the City of Reno collaborated to select Brodhead Park to be the proposed pilot restoration Project (that would complement the Vegetation Master Planning effort) for several reasons. The park is and has been: 1) the first location where a "Portland Loo" was installed as part of the OTR River Restroom Project; 2) an area that the City of Reno Parks and Recreation Department has prioritized for restoration and general park improvements and has in-kind resources to dedicate for restoration implementation; 3) an area of focused human services outreach with unsheltered river-users, in partnership with the Washoe County and Karma Box Project (Karma Box) River Steward Program and Built for Zero by-name list; 4) an area where Karma Box has been able to work with the unsheltered river-users to set expectations of behavior related to increasing the care of the park, Loo, and the Truckee River; and 5) an area that continues to make sense to focus relevant on-the-ground OTR priority implementation.



The restoration Project will be completed in three phases. ***OTR is only applying for grant funding through the Truckee River Fund for Phase 1 (Phases 1a and 1b)*** at this time. Details of Phases 1a and 1b are detailed in the sections below. (The cost for Phases 2 and 3 has not been calculated, as the scope of those phases will depend on the outcomes of Phase 1. However, ***estimated ranges of costs for Phases 2 and 3 are provided below.***) The three phases for this restoration Project are the following:

- **Phase 1a** will develop a 30% (conceptual) restoration plan, in coordination with OTR and City of Reno, with solicitation of agency input on design ideas and permitting needs and public input on river access.
- **Phase 1b** will include preliminary implementation planning efforts to help identify sources for labor and materials (from OTR's partners) to streamline implementation efforts and costs.
- **Phase 2** will develop a finalized restoration plan at a sufficient level of engineering design to complete a finalized implementation cost estimate and for the Project to go to construction (Phase 3). Phase 2 will also include obtainment of final agency permits/approvals and finalizing sources for labor and materials (in coordination with OTR's partners). The estimated cost is \$42,000 to \$85,000; costs are dependent on the regulatory requirements and design needs identified during Phase 1.
- **Phase 3** will cover the restoration implementation process, including site preparation, installation of channel stabilization/bioengineering materials, installation of plant materials, and labor for installation. The estimated cost is \$45,000 to \$100,000; costs are dependent upon design elements, final permitting requirements, materials/labor provided through the in-kind support, and the outcomes of Phases 1 and 2.

PHASE 1a. 30% RESTORATION PLAN AND AGENCY COORDINATION: Step 1 in this Project will be developing a 30% (conceptual) restoration plan and coordinating with agency representatives to receive input on the plan. OTR will coordinate closely with the City of Reno, as well as relevant agencies such as the CTWCD, to ensure the planning process adequately considers regulatory requirements and the needs of OTR and the City of Reno. OTR will also work with the public to consider river access needs.

Phase 1a-1. Restoration Planning and Kick-off. Part of the first step will include hosting a public outreach event to solicit input and feedback from the local neighborhood on recreational use of the park. This information will be used to inform the conceptual design and trail planning efforts. Outreach to the community will be completed by OTR AmeriCorps staff in coordination with and participation from the City of Reno and OTR's restoration planning team.

Next, OTR and its contractors (SWCA and Wildscape Engineering [Wildscape]) will plan an initial Project kick-off site visit (first site visit) with City of Reno representatives to discuss the vision for restoration at the park. This meeting will cover needs, challenges, and solutions for park restoration; possible plans for controlled recreational river access (including public input solicited during the outreach event); possible resources and funding opportunities for implementation; design features that minimize maintenance; constraints to be considered in plan development; and implementation. After the first kick-off site visit, SWCA and Wildscape will conduct a second site visit at the park to develop conceptual ideas for the draft restoration plan. The team will visit the site and identify possible vegetation species and treatments for the restoration plan, approximate locations for channel stabilization/bioengineering treatment and pedestrian river access, weed treatment needs, and beaver protection needs.

Phase 1a-2. Draft Conceptual Restoration Plan Development and Coordination: Following the second site visit, SWCA and Wildscape will develop the draft conceptual restoration plan. Engineers will use the regulatory hydraulic model and any bank stabilization specifications provided by the CTWCD to develop a design to reduce erosion of the riverbanks. The team will also coordinate closely with the CTWCD and other relevant agencies to ensure the proposed design elements will adhere to permitting restrictions and will not trigger U.S. Army Corps of Engineers (USACE) permitting (such as Clean Water Act 404/408 permits). The draft conceptual restoration plan will also include a Basis of Design Report that details the Project's goal and objectives, design constraints, calculations, and modeling used for the design; locations for vegetation plantings; and areas of pedestrian access. As part of the process, the team will work with OTR to understand and identify an approach to dissuade camping and foot traffic within the restoration area and incorporate this information in the Basis of Design Report. Also included in the Basis of Design Report will be detailed descriptions of vegetation species to be planted, vegetation management techniques, and any suggested weed treatment. The team will coordinate with the City of Reno regarding its plans for irrigation on the site to ensure the restoration plan is compatible with the City's proposed irrigation approach.



Phase 1a-3. 30% Restoration Plan Development: After the draft design is completed, SWCA and Wildscape will conduct a third site visit to field verify the draft conceptual restoration plan. The draft conceptual restoration plan will be revised based on any needs identified during the third site visit to produce the 30% conceptual restoration plan. The 30% conceptual restoration plan will be submitted to City of Reno, OTR, and CTWCD for review and comments. Within 2 to 3 weeks of submission of the draft conceptual restoration plan, the team will host two separate Design Review Meetings (fourth site visit) at the park with 1) the City of Reno, OTR, and CTWCD, and 2) the local neighborhood and the City of Reno to review and solicit feedback on the 30% conceptual restoration plan. During that site visit, the group will discuss and solidify any necessary changes to the restoration plan's engineering design and/or vegetation planting plans. Any remaining changes to the 30% plan will be addressed in Phase 2.

PHASE 1b. PRELIMINARY IMPLEMENTATION PLANNING: OTR plans to implement restoration at the park through close collaboration and resource sharing with its partners. This cost-effective approach will require tight coordination to ensure all resources (both materials and labor) are secured at the right time. During Phase 1b of the Project, OTR will develop a preliminary implementation plan. This plan will be a technical memorandum (report) that identifies **1) possible sources and costs for planting materials (including plugs, shrubs/trees):** the team will solicit support from state/local agencies to determine if some of these materials may be donated at no cost or provided at a reduced cost; **2) possible sources and cost for bank stabilization materials:** the team will solicit input from agencies that may be able to support the cost these materials; **3) identification of tasks that should be completed manually or using heavy equipment:** possible sources and operators of heavy equipment will be identified, and **4) possible sources of labor to support the effort.**

4. **Grant priorities.** This proposed Project will address the following TRF grant priorities:

II. Watershed Improvements: The Project will create an implementable restoration plan that will address critical water quality issues along the urban stretch of the Truckee River in Nevada. The final restoration plan for the park will be directly implementable and address impaired water quality (TDS, temperature) within an impaired section of the Truckee River. Establishment of riparian vegetation and bank stabilization implemented in this Project will reduce erosion (and TDS). Increased river shading will address elevated water temperature and increase hydrological resiliency.

III. Local Stormwater Improvements: The Project will develop a restoration plan to establish riparian vegetation along the urban stretch of the Truckee River. The restoration plan for the park will identify vegetation species and bank stabilization measures that increase infiltration and capture stormwater runoff (and associated non-point source pollution) within the Project area, which will also inform future projects.

IV. Re-Forestation and Re-Vegetation Projects: The Project will develop and implement a restoration plan that establishes riparian trees and groundcover along the urban stretch of the Truckee River. The proposed restoration plan for the park will increase riparian forest health along the urban stretch of the river. Healthy riparian vegetation provides shade supporting increased resilience to wildfire, and wildlife habitat.

VI. Stewardship and Environmental Awareness: During all Project phases (including restoration implementation), OTR will engage with the local community to build stakeholders in the neighborhood to support the Project after implementation. Phase 1a will solicit input from the community on river access. Future implementation will engage the public through volunteer activities and outreach with local residents.

VII. Meet Multiple Objectives: This proposed Project addresses multiple goals and objectives from OTR Management Plan (OTRM Plan) and associated prioritized action items that align with TRF's funding priorities. This Project addresses **OTRM Plan Goal 1:** Ensure and protect water quality and ecosystem health in the Truckee River; **OTRM Plan Objective 1.4:** Create a rich and diverse vegetative ecosystem; **OTRM Plan Objective 1.4.b:** Create an approved vegetative species list to increase biodiversity and shading on lands along the Truckee River; and **OTRM Plan Objective 1.4.c:** Develop and implement a coordinated vegetation management plan along the river corridor.

VIII. Leverage Stakeholder Assets and Participation: The proposed restoration plan complements the development of the Framework Vegetation Management and Restoration Plan and associated tools. OTR's vision for the Framework Plan (being implemented through the BOR WaterSMART grant Project) is to create a document that is a "cookbook" for planning implementable restoration plans. By developing this pilot restoration implementation plan and executing that plan, the Project team will be able to test out "recipes" to ensure the Framework Plan and tools are effective. **This planning effort will capitalize on and grow**



existing partnerships. Through the OTR Framework Vegetation Management and Restoration Plan development effort, OTR has formed a vegetation management technical working group (TWG), which includes federal/local government, agency, non-profit, private industry, and local resident representatives. This group is working to identify opportunities to share resources and seek funding to plan and implement restoration projects along the urban stretch of the Truckee River. **This proposed Project will leverage OTR's existing vegetation management planning efforts.** As a pilot Project, this effort will allow troubleshooting of restoration planning and implementation challenges, so that land managers can more quickly, easily, and cost-effectively execute future projects along the urban stretch of the Truckee River. Completing this pilot Project in tandem with the Framework Plan development will ensure the Framework Plan is as impactful as possible and will serve as a catalyst for future restoration projects.

5. **Permitting.** No permitting will be completed during this phase of the Project, but permitting is planned for Phase 2; however, OTR and its contractors will coordinate closely with the CTWCD and other relevant agencies to ensure the proposed restoration design will adhere to permitting restrictions and will work to avoid triggering USACE permitting (such as Clean Water Act 404/408 permits).
6. **Future land use.** No zoning, land use, or development are expected to affect this proposed Project.
7. **Future phases.** Phases 2 and 3 will be completed at a future date (see #11). Possible sources of support include 1) in-kind resources from City of Reno, 2) AmeriCorps staffing in collaboration with the Truckee Meadows Parks Foundation (TMPF), 3) competitive grant funding through the CTWCD, 4) in-kind staff hours from SWCA, 5) volunteer hours, and 6) other sources of grant funding working to be identified by the OTR Proposal Writing Team.
8. **Principals involved.** Iris Jehle-Peppard, OTR Executive Director, under the supervision of the OTR Board Member Mandy Bengtson, SWCA Environmental Consultants, under the supervision of the OTR Executive Director.
9. **Number of staff positions involved** in Project: Fulltime **0** Part-time **14**. Note, Project Phases 1a and 1b will involve two contractors (SWCA and Wildscape Engineering) to implement the Project.
10. **Volunteers involved.** No volunteers will be needed at this stage in the Project; however, OTR will work to gain local residents time for input and volunteer support needed during future phases of the Project.
11. **Timeline**

Timeline for the proposed Project, Phase 1	
Milestone	Timeline
Phase 1a: 30% Restoration Plan and Agency Coordination	Nov 2021 to July 2022
1.a-1. Restoration Planning and Kick-off	Nov 2021 to Jan 2022
1.a-2. Draft Conceptual Restoration Plan Development & Coordination	Jan 2022 to May 2022
1.a-3. 30% Restoration Plan Development	Completed by July 2022
Phase 1b. Preliminary Implementation Planning	Completed by July 2022
Future Funding Cycle (roughly Projected)	
Phase 2. Final Restoration Plan and Implementation Planning (including permitting)	Aug 2022 to Nov 2022
Phase 3. Restoration Implementation	Dec 2022 to March 2023

12. **Success.** Short-term success will be evident if OTR meets the measurable outcomes for each goal, as detailed in question #1. When Phase 3 of the Project has been completed, long-term success will be met if the water quality in the Truckee River is improved. This, however, will take longer to assess because water quality data are often highly variable due to innumerable factors.
13. **Collaboration.** The Project will involve direct collaboration with the OTR Vegetation Management Master Planning effort, which includes coordination with the Project's Technical Working Group, comprised of 17 agencies including (but not all listed): *City of Reno, City of Sparks, Washoe County, Nevada Division of Forestry, CTWCD, Truckee River Flood Management Authority, Nevada Division of State Lands, Nevada Division of Wildlife, Truckee Meadows Parks Foundation, The Nature Conservancy, Great Basin Institute*, and a private citizen representative. This Project will also coordinate in planning efforts with regulatory agencies, including CTWCD, Nevada Division of State Lands, USACE, etc.



14. Grant match.

Match provided:		\$25,141				
Match details:	Cash	\$17,431 out of \$99,989 awarded from BOR				
	In-kind	\$7,710 Note: Volunteer and in-kind hours may be calculated at a maximum rate of \$20/hour per individual. Indirect cost may not be counted as match.				
	For the cash portion of your match, is the funding already being held by the applicant for this Project? Yes X					
Description of matching funds/in-kind donations:	<ul style="list-style-type: none">OTR under NLT received a BOR WaterSMART grant (\$99,989, cash) to develop a Framework Vegetation Management and Restoration Plan for the urban stretch of the Truckee River. The Framework Plan will be used to inform the pilot restoration plan development for this proposed Project. Likewise, this pilot will complement the Framework Plan by testing out approaches and techniques before the Framework Plan is finalized. The pilot Project will develop approaches that fit within the regulatory constraints of this section of the river (thus avoiding timely/costly permitting) that will streamline future efforts.OTR directed its TMPF AmeriCorps (225 hours) to lead the public outreach efforts. The value of the AmeriCorps staff person labor would be \$3,768 (in-kind).SWCA has reduced its standard labor rates and subcontractor mark-up fees for this proposed Project, at a value of \$3,942 (in-kind).					
OTR BROADHEAD PARK RESTORATION PROJECT: PHASE 1 BUDGET			REIMBURSEMENT REPORT			
Budget Item Description	TRF \$	Other Funding Name	Match \$	Total	Expenditures to date TRF	Expenditures to date (other)
OTR ED time to supervise the Project (36 hrs. of oversight)	\$2,693			\$2,693		
Phase 1a. Restoration Plan Development (SWCA Environmental Consultants)	\$26,242	SWCA Rate reductions	\$3,578	\$29,820		
Phase 1a. Engineering Design (Wildscape Engineering)	\$23,650		\$0	\$23,650		
Phase 1a. Community Outreach (OTR)	\$0	AmeriCorps (TMPF)	\$3,768	\$3,768		
Phase 1b. Preliminary Implementation Planning (SWCA)	\$2,594	SWCA Rate Reductions	\$364	\$2,958		
Phase 1b. Preliminary Implementation Planning (Wildscape Engineering)	\$600		\$0	\$600		
Development of Framework Vegetation Management Plan and Tools (NLT)	\$0	US BOR Grant	\$17,431	\$17,431		
In-direct Expenses at 25% including printing and reproductions, postage, office supplies, payroll services, insurance, telecommunications, utilities, dues, and subscriptions.	\$13,945	N/A	\$0	\$13,945		
TOTAL	\$69,724		\$25,141	\$94,865		



COMMUNITY
FOUNDATION
of Northern Nevada

TRUCKEE RIVER FUND
Enhancing and protecting our water resources



08-20-21 TRF Agenda Item 6
#254

Attachment A. Project Location Map

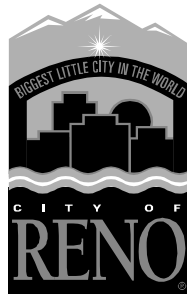


Attachment A: One Truckee River Fund Grant History

Note: In 2020, One Truckee River transitioned to its long-term home, the 501 (3) nonprofit, Truckee River Foundation from the fiscal agent Nevada Land Trust.

Funding to Truckee River Foundation DBA One Truckee River	
Date Awarded:	March 17, 2021
Project Title:	One Truckee River Partnership and engagement with the public
Amount of Award:	\$196,590
Funding to One Truckee River through the fiscal agent Nevada Land Trust	
Date Awarded:	August 13, 2020
Project Title:	TRF #235 - One Truckee River Overall Support and Restroom Attendant
Amount of Award:	\$74,293
Date Awarded:	August 16, 2019
Project Title:	TRF #221: River Restroom Project
Amount of Award:	\$124,976
Date Awarded:	March 22, 2017
Project Title:	TRF #188: One Truckee River – Phase 1 Action
Amount of Award:	\$256,220
Date Awarded:	September 23, 2016
Project Title:	TRF #180: One Truckee River – Phase 1 Implementation
Amount of Award:	\$98,534
Date Awarded:	March 21, 2012
Project Title:	TRF #104: Washoe Drive Fire Stabilization and Restoration Effort
Amount of Award:	\$115,000
Date Awarded:	December 12, 2011
Project Title:	TRF #99: Caughlin Fire Emergency Watershed Stabilization & Restoration Effort
Amount of Award:	\$219,856
Date Awarded:	October 11, 2011
Project Title:	TRF #90: Weed Treatments & Revegetation, Truckee River & Tributaries
Amount of Award:	\$127,500
Date Awarded:	July 21, 2009
Project Title:	TRF #70: Weed Treatments & Revegetation, Truckee River & Tributaries
Amount of Award:	\$125,000
Date Awarded:	July 21, 2009
Project Title:	TRF #66: Scope of Work for Truckee River Ecosystem Restoration Coordination, Creation of a Five-Year Weed Control and Restoration Plan for the Truckee River
Amount of Award:	\$10,000
Date Awarded:	July 17, 2008
Project Title:	TRF #46: Weed Treatments & Revegetation, Truckee River & Tributaries
Amount of Award:	\$112,500

July 24, 2021



Community Foundation of Northern Nevada - Truckee River Fund

Att: Lauren Renda

50 Washington St. 300

Reno, NV 89503

RE: Truckee River Fund – Support for One Truckee River (OTR) Brodhead Park Restoration Project: Phase 1 Grant Proposal

Dear Ms. Renda and the Truckee River Fund:

The City of Reno Parks and Recreation Department is a member of the One Truckee River (OTR) Partnership Council and has been an integral partner in the development of the One Truckee River Management Plan, OTR River Restroom Project, and we are an active member of the newly launched OTR Vegetation Management Master Planning effort. I am in support of the proposed OTR Brodhead Park Restoration Project: Phase 1. More improvement efforts at Brodhead Park will improve the quality of life for local residents and support protecting the Truckee River.

The City of Reno Parks and Recreation Department has prioritized restoration and general park improvements and has in-kind resources to dedicate for restoration implementation for the proposed project.

Sincerely,

A handwritten signature in black ink, appearing to read "Jaime Schroeder", with a long, sweeping horizontal line extending to the right.

Jaime Schroeder, MBA, CPRP, AFO

Director

(775) 657-4653



2021 Fall Proposal to the Truckee River Fund

Organization Name:	Keep Truckee Meadows Beautiful																														
Type:	501(c)(3) EIN# 88-0254957	Governmental entity? No																													
Address:	P.O Box 7412 Reno, NV 89510																														
Project Name:	KTMB's 2022 Great Community Cleanup, Truckee River Cleanup, Adopt-A-River Program, & Adult and Community Education Program																														
Amount requested: \$82,880	Website: www.ktmb.org																														
This funding will be used to	Funds requested in this proposal will support the following efforts in KTMB's 2022 calendar year: removing invasive weeds and trash along the Truckee River corridor tributaries during KTMB's Great Community Cleanup and Truckee River Cleanup; monitoring the impact of KTMB cleanup efforts; engaging year-round cleanup support through KTMB's Adopt-A-River program, and providing community education and outreach to decrease environmental threats to the Truckee River.																														
Key People:	<table border="1"> <tr> <td>Director:</td> <td colspan="3">Mark Cameron, Executive Director</td> </tr> <tr> <td>Board Chair:</td> <td colspan="3">Tim Crowley, President</td> </tr> <tr> <td>Project Contact:</td> <td>Name:</td> <td colspan="2">Laura Szoke</td> </tr> <tr> <td></td> <td>Position:</td> <td colspan="2">Development Manager</td> </tr> <tr> <td></td> <td>Phone:</td> <td colspan="2">775-851-5185</td> </tr> <tr> <td></td> <td>Fax:</td> <td colspan="2">N/A</td> </tr> <tr> <td></td> <td>Email:</td> <td colspan="2">laura@ktmb.org</td> </tr> </table>			Director:	Mark Cameron, Executive Director			Board Chair:	Tim Crowley, President			Project Contact:	Name:	Laura Szoke			Position:	Development Manager			Phone:	775-851-5185			Fax:	N/A			Email:	laura@ktmb.org	
Director:	Mark Cameron, Executive Director																														
Board Chair:	Tim Crowley, President																														
Project Contact:	Name:	Laura Szoke																													
	Position:	Development Manager																													
	Phone:	775-851-5185																													
	Fax:	N/A																													
	Email:	laura@ktmb.org																													
Organization Mission:	Keep Truckee Meadows Beautiful (KTMB) is a 501(c)3 nonprofit dedicated to creating a more sustainable and beautiful region through waste reduction, education, and active community involvement.																														
Has your organization received other grants from the Truckee River Fund? Yes <input checked="" type="checkbox"/> (Attached in additional page)																															

DESCRIPTION OF PROJECT UNDER CONSIDERATION

Indicate the description that best fits the project you are proposing. Mark no more than three categories:

- ☒ C. Projects that remove pollution from the Truckee River.
- ☒ D. Projects that remove or control invasive aquatic species or terrestrial invasive plant species that are adverse to water supply.

NARRATIVE REQUIREMENTS

- Specific project goals and measurable outcomes and how you will measure and report them:** Keep Truckee Meadows Beautiful (KTMB) is a 501(c)3 nonprofit that has been dedicated to creating a more sustainable and beautiful region for 32 years. KTMB believes in improving the quality of life for all who live in and visit the Truckee Meadows and accomplishes this through waste reduction and beautification, adult and youth education, and active community involvement. KTMB respectfully requests continued funding in 2022 to accomplish four specific project goals: remove invasive weeds and trash from the Truckee River Watershed during KTMB's Great Community Cleanup and Truckee River Cleanup; monitor the impacts of KTMB cleanup efforts; engage year-round cleanup support through KTMB's Adopt-A-River program; and provide community education and outreach to decrease environmental threats to the Truckee River. As a result, KTMB will build strategic partnerships that protect and conserve the Truckee River, expand thriving litter and invasive weed removal projects throughout the watershed, and educate residents on steps they can take to protect our water. The measurable outcomes of this project are detailed below.

Great Community Cleanup (GCC) - Spring 2022

- Engage a minimum of 700 volunteers to participate in litter clean up and weed removal efforts at the event;
- Of those 700 volunteers, recruit and coordinate a minimum of 125 volunteers to pull invasive weeds at weed sites;
- Remove 15-20 tons of trash, invasive weeds, and green waste from the Truckee River watershed;
- Provide invasive weed, recycling and litter-reduction education to volunteers at Great Community Cleanup sites and the post-cleanup Volunteer Picnic to educate participants on being "Zero Waste." The event should be as close to "Zero Waste" as possible, with a picnic and zero waste efforts still in line with current public health and safety guidelines in place at the time of the event;
- Involve a minimum of 100 youth volunteers through new and existing youth program partnerships;
- Survey volunteers participating in weed-related projects and analyze results to determine the success and impact of the event;



- Work with partners to identify and target a minimum of six invasive weed "hot spots" along Truckee River tributaries for weed removal and native plant restoration;
- Support accurate mapping of invasive weed zones as tracked by the Washoe Storey Cooperative Weed Management Authority (WSCWMA);
- Enhance event marketing and outreach efforts with Adopt-A-River groups to increase their participation in the 2022 Great Community Cleanup;

Truckee River Cleanup (TRC) – Fall 2022

- Engage a minimum of 600 volunteers to participate in a river clean up, storm drain stenciling, and weed removal;
- Remove 15-20 tons of trash, green waste, and invasive weeds from the Truckee River corridor and adjacent watershed at cleanup locations from Verdi to Lockwood;
- Involve a minimum of 100 youth volunteers through new and existing youth program partnerships;
- Work with park and natural area staff to identify and wrap trees as needed along the river corridor;
- Provide invasive weed, recycling and litter-reduction education to volunteers at Great Community Cleanup sites and the post-cleanup Volunteer Picnic to educate participants on being "Zero Waste." The event should be as close to "Zero Waste" as possible, with a picnic and zero waste efforts still in line with current public health and safety guidelines in place at the time of the event;
- Maximize resources and community awareness efforts by stenciling a minimum of 100 storm drains in conjunction with the City of Reno (as all drains flow to the river!);
- Survey event participants and compile analyzed results to determine the success and impact of the event;
- Host 20 "on the river" volunteers including kayakers, fly-fishers, and WET team Emergency Response personnel to remove debris from within the river;
- Spread Christmas tree mulch for soil erosion projects and to inhibit weed growth.
- Remove graffiti as needed.

Adopt-A-River 2022

- In response to the changing conditions of the Truckee River associated with our growing community, KTMB will work with municipal partners to update KTMB's annual Litter Index Survey and dedicate a section completely to the Truckee River corridor. Survey results will help KTMB staff identify areas that need adoption;
- The Adopt-A-River program will also include a Litter Survey before each cleanup. Areas are rated based on a scale of 1-4: 1, meaning "virtually no litter"; and 4, indicating "major illegal dump site". These surveys will show the impact of the Adopt-A-River program;
- Recruit and retain adopters and volunteers to be stewards of river corridor and watershed areas;
- Conduct a minimum of 15 river-specific cleanups through the Adopt-A-Spot Program;
- Engage 150 volunteers in river-related cleanup efforts;
- Remove 5 tons of invasive weeds and trash from the Truckee River corridor.

Adult and Community Education 2022

- Communicate the negative impacts non-point source pollutants have on our local watershed in order to enhance water quality and conserve water resources;
- KTMB will convey the importance of preserving our natural ecosystem and native plant species, and keeping invasive and noxious weeds from spreading as they can contribute to intense fires in the summer and are a health risk to humans and our wildlife;
- KTMB will coordinate "River Walks" as an educational and outreach effort along the river corridor;
- KTMB will conduct a minimum of 20 Community and Adult education presentations about our watershed, invasive weeds, and litter topics to reach a minimum of 500 community members from local businesses, organizations, community groups, etc.;
- Expand stewardship and environmental awareness by conducting 2 teacher trainings with educators who can implement and use KTMB's Waste, Watershed, and Weed Warriors lessons in their classrooms;
- Promote ecological literacy and environmental stewardship messaging using digital outreach.

2. **Project location:** The Great Community Cleanup (GCC), Truckee River Cleanup (TRC), and Adopt-A-River cleanups are conducted throughout the Truckee River Watershed at locations along the river corridor and tributaries. Educational programs will be conducted at locations throughout the Truckee Meadows. KTMB will work with local municipalities and watershed experts to determine storm drain stenciling locations for the 2022 TRC.



- 3. Project description:** KTMB supports a clean, invasive-weed-free community by educating residents and visitors about the importance of maintaining a healthy watershed and the efficacy of removing litter and invasive weeds to do so. Local park staff report to KTMB that weed removal is often the most challenging aspect of their job. With current staff shortages, the incorporation of weed removal projects prior to weed seeding in the spring is vital and aligns perfectly with the timing of KTMB's Great Community Cleanup. KTMB's Truckee River Cleanup and Adopt-A-River Cleanups educate and engage the community about the presence of weeds, litter, and nonpoint pollution runoff in our watershed and the underlying causes of these challenges. According to Keep America Beautiful, "About 85% of littering is the result of people's attitudes.... Changing individual behaviors is the key to preventing litter — and environmental cues can make a difference." By engaging volunteers and community partners in this effort, and by having consistent outreach and messaging to support behavior change, KTMB is helping to better protect the invaluable water resources of the Truckee River.

KTMB's Annual Great Community Cleanup & Truckee River Cleanup will:

- Engage volunteers to remove invasive weeds and litter pollution at several hot spots along the Truckee River and its tributaries, as identified by weed experts at the WSCWMA, municipal partners, and KTMB's Litter Index Survey;
- Provide educational messaging and public service announcements in the community about environmental threats to the Truckee River and responsible river recreation and usage;
- Present Weed, Waste, and Watershed Warriors education with City and County officials, neighborhood and community groups, churches, recreation/outdoor groups, city council and county commissioners, service organizations, business partners, and K-12 students and teachers, as well as provide on-site educational opportunities along the river and in Idlewild Park's Sensory Garden.

KTMB's Adult and Community Education program will:

- Present Weed, Waste, and Watershed Warriors education with City and County officials, neighborhood and community groups, churches, recreation/outdoor groups, city council and county commissioners, service organizations, business partners, and K-12 students and teachers, as well as provide on-site educational opportunities along the river and in Idlewild Park's Sensory Garden;
- Coordinate "River Walks" as an educational outreach effort along the river corridor;
- Continue community outreach through social and traditional multi-media outlets with messaging related to the environmental health of the river and individual stewardship opportunities to reduce negative impacts from non-point source pollutants, improve water quality, and enhance water conservation;
- Convey the importance of preserving our natural ecosystem and native plant species and keeping invasive and noxious weeds from spreading as they can contribute to intense fires in the summer and are a health risk to humans and our wildlife.

KTMB's Adopt-A-River program will:

- Recruit new volunteers and managing existing volunteers to conduct cleanups along the Truckee River;
- Work with WSCWMA and local municipalities to monitor river invasive weed and litter hotspots;
- Continue to conduct an annual Litter Index Survey to evaluate current river corridor cleanliness.

- 4. Grant priorities:** If funding is awarded, KTMB will support the following TRF Grant Priorities: V, VI, VII, VIII.

V: Support to Rehabilitation of Local Tributary Creeks and Drainage Courses - KTMB will support water quality improvement of local tributary creeks and drainage courses through the GCC, TRC, and Adopt-A-River cleanup programs. These events will engage hundreds of volunteers to remove many tons of litter and green waste from many locations along the Truckee River Corridor and greater watershed.

VI: Stewardship and Environmental Awareness - This project will raise environmental awareness about water, water quality, and watershed protection by utilizing multi-media resources and educational/community presentations to educate residents and visitors about the importance of maintaining a healthy river; how noxious weeds negatively affect native plant communities; and how litter and pollution are harmful to humans, wildlife, and the local environment and economy.

VII: Meet Multiple Objectives - This project meets multiple TRF objectives because it will remove pollution and invasive weeds from our water through cleanups and beautification projects, increase the community's ecological literacy about water quality and conservation through messaging and education, and promote volunteerism to increase environmental stewardship.

VIII: Leverage Stakeholder Assets and Participation - KTMB will collaborate with numerous municipalities, businesses, community groups, and partners to complete the cleanup and education projects proposed. Project sites and activities



along the river will be identified by KTMB and local experts and completed with planning and day-of support from partners to ensure effective programming. Together, KTMB and partners will create a cleaner community while saving taxpayer dollars.

KTMB's 2022 Great Community Cleanup, Truckee River Cleanup, and Adopt-A-River program will also support the following One Truckee River Management Plan objectives (see attached document for description): 2.1.b, 2.3.j, 2.5.b, 3.3.h, 3.4.b, 3.4.c, 3.4.e, 3.4.f.

KTMB's Adult and Community Education efforts will also support the following One Truckee River Management Plan objectives (see attached document for description): 1.3.b, 2.1.j, 3.2.d, 3.2.f, 3.3.b, 3.3.e, 3.3.h.

5. **Permitting:** Since 2005, the only permits required for KTMB's Truckee River Cleanup and Great Community Cleanup are health department permits for the post-event volunteer picnic. With support from KTMB partner, Washoe County Health District (WCHD), these permits will be obtained without challenges prior to each event date. No permits are required for educational events or cleanups, though all gatherings will be held in accordance with WCHD health and safety recommendations.
6. **Future land use. List any known or foreseeable zoning, land use, or development plans that may affect your proposed project:** There are no known or foreseeable zoning, land use or development plans that may affect this project.
7. **If future phases of the project will be needed, identify anticipated sources of funding:** The Truckee River Fund's annual support of KTMB's Great Community Cleanup and Truckee River Cleanup assists in maintaining the health of the Truckee River and its greater watershed. It provides opportunities for KTMB to engage partner agencies, municipalities, community groups, foundations, businesses, and local residents in water quality stewardship and education, and to leverage in-kind support and funding from other sources. KTMB works very closely with One Truckee River to provide the leadership necessary to complete Phase 1 of the One Truckee River Management Plan: to build the partnerships, fundraising mechanisms, fundable projects and capacity to address not only the symptoms of Truckee River health (weeds, litter, and nonpoint pollution runoff) but also the underlying problems (education, environmental awareness, and civic participation and stewardship) community-wide. If awarded, TRF funding will enhance KTMB's ability to achieve these objectives. KTMB's development team will also continue to pursue new and diverse sources of income to support these programs now and in the future.
8. **Principals involved in leading or coordinating the project or activity:** KTMB is the principal coordinating agency for managing this project's planning, implementation, and evaluation, as well as volunteer recruitment and coordination.
9. **Number of staff positions involved in the project:** Eight Part-Time Staff
10. **Number of volunteers involved in the project and an estimated number of volunteer hours.**
Great Community Cleanup: 700 - 800 volunteers; 2,800 - 3,200 estimated volunteer hours
Truckee River Cleanup: 600 - 700 volunteers; 1,800 - 2,100 estimated volunteer hours
Adopt-A-River: 150 - 250 volunteers; 375 - 625 estimated volunteer hours
TOTAL: 1,450 - 1,750 VOLUNTEERS; 4,975 - 5,925 ESTIMATED VOLUNTEER HOURS
11. **Time Line of Project:** *Below is a general timeline KTMB staff follows for each program activity detailed in this proposal. This funding will cover the calendar year 2022.*

GCC 2022 Timeline:

Winter: Meet with project partners to identify GCC locations and plan GCC event logistics.

Spring: Survey length of Truckee River on a four-point scale and create data points. Recruit volunteers. Implement GCC in May.

Spring/Summer: Compile survey data from GCC weed pull projects and re-survey. Begin planning for fall TRC.

TRC 2022 Timeline:

Spring/Summer: Compile survey data from the spring GCC weed pull and waste removal and re-survey sites for cleanliness. Plan TRC event.

Fall/Winter: Hold Fall TRC and re-survey the length of the river for cleanliness.

**Adopt-A-River Timeline:**

Winter: Compile and review information on existing sites and existing volunteer groups.

Spring/Summer: Outreach and volunteer recruitment and management to conduct cleanups along the river corridor.

Community Outreach Timeline:

Spring/Summer: Create an outreach plan to engage more residents on river-related topics through presentations, river tours, and media outreach. Schedule and conduct presentations and follow the media outreach plan. Complete first Teacher Training.

Fall/Winter: Schedule and conduct presentations and river tours. Continue outreach. Complete second Teacher Training.

12. Success

The success of KTMB's 2022 Great Community Cleanup will be measured in the following ways:

- 700 community volunteers engaged in trash and invasive weed removal along the Truckee River and its tributaries; minimum of 15 tons of trash and green waste removed from Truckee River Watershed; 100 youth volunteers engaged in watershed stewardship through Truckee River volunteer projects; event participants educated about the Truckee River threats and actions they can take.

The success of KTMB's 2022 Truckee River Cleanup will be measured in the following ways:

- 600 community volunteers engaged in trash and invasive weeds removal along the Truckee River and its tributaries; minimum of 15 tons of trash and green waste removed from Truckee River Watershed; 100 youth volunteers engaged in watershed stewardship through Truckee River volunteer projects; 100 storm drains stenciled; event participants educated about the Truckee River threats and actions they can take.

The success of Adopt-A-River will be measured by:

- Evidence-Based Litter Survey conducted along the length of the river corridor to evaluate cleanup efforts; 15 cleanups performed along the Truckee River corridor throughout the year; 150 community volunteers engaged in trash, invasive weeds, and green waste removal along the Truckee River corridor; 5 tons of invasive weeds and trash removed from the Truckee River corridor.

The success of Adult Education and Community Outreach efforts will be measured by:

- 20 Community and Adult education through in-person and virtual presentations on our watershed, invasive weed and, or litter topics; 500 community members educated; 2 KTMB Teacher Trainings conducted with local educators to incorporate KTMB's Waste, Weed, and Watershed Warriors lessons in their classrooms.

13. Collaboration

KTMB's major cleanup and education efforts collaborate with many local agencies and organizations including: One Truckee River, Washoe County, Washoe County Health District, Washoe County Regional Parks and Open Space, Washoe County Sheriff's Office, City of Reno, City of Sparks, Truckee Meadows Water Authority, Nevada Division of Environmental Protection, Nevada Division of Forestry, Nevada Department of Agriculture, Nevada Department of Wildlife, US Forest Service, Reno-Sparks Indian Colony, Sun Valley GID, Bureau of Land Management, Washoe Storey Cooperative Weed Management Authority, Waste Management, Truckee River Fly Fishers, Sagebrush Chapter of Trout Unlimited, The Nature Conservancy, Friends of Nevada Wilderness, Northern Nevada HOPES, Nevada Land Trust, REI, Patagonia, SWCA, Down to Earth Composting and RT Donovan.

14. Grant match

Match amount to be provided:		\$281,119
Match details:	Please provide the form of your matching funds. If match is made up of both cash and in-kind, fill in both sections.	
	Cash:	\$136,353 (Combination of secured funds and pending/planned requests)
	In-kind:	\$144,766
For the cash portion of your match, is the funding already being held by the applicant for this project? No <u>X</u>		
Description of matching funds/in-kind donations:	<ul style="list-style-type: none"> • Project Partners and in-kind support will provide a minimum of \$40,766 in staff time • KTMB is projecting \$104,000 in volunteer time at a rate of \$20/hour per individual and approximately 1,600 volunteers that will be used as a match. • Approximately \$136,353 in cash support is either secured or being requested from other funding sources. 	

Truckee River Fund - KTMB Project Budget

2022 - Spring Great Community Cleanup, Fall Truckee River Cleanup, Adopt-A-River Program & Adult and Community Education

Budget Item	Description/Justification	TRF Request	Cash & In-Kind Match	Total Cost
Great Community Cleanup 2022				
COORDINATION & IMPLEMENTATION				
Keep Truckee Meadows Beautiful	Project, Partner, and Volunteer Management	\$16,250.00	\$13,000.00	\$29,250.00
Keep Truckee Meadows Beautiful	Mileage	\$250.00	\$0.00	\$250.00
Washoe County Parks	Staff Time, Materials & Equipment	\$0.00	\$3,000.00	\$3,000.00
City of Reno Parks	Staff Time & Equipment	\$0.00	\$1,500.00	\$1,500.00
Friends of NV Wilderness	Staff Time, Materials & Equipment	\$0.00	\$750.00	\$750.00
City of Sparks Parks	Staff Time, Materials & Equipment	\$0.00	\$1,500.00	\$1,500.00
Nevada Department of Wildlife	Staff Time, Materials & Equipment	\$0.00	\$750.00	\$750.00
Reno Sparks Indian Colony	Staff Time, Materials & Equipment	\$0.00	\$1,000.00	\$1,000.00
The Nature Conservancy	Staff Time	\$0.00	\$500.00	\$500.00
Washoe County Sheriffs office	Labor and supervision	\$0.00	\$1,000.00	\$1,000.00
Bureau of Land Management	Staff Time & Supervision	\$0.00	\$1,000.00	\$1,000.00
Sun Valley GID	Staff Time, Materials & Equipment	\$0.00	\$6,500.00	\$6,500.00
Volunteer Hours	700 volunteers x 4 hours x \$20/hour	\$0.00	\$56,000.00	\$56,000.00
Sub-Total		\$16,500.00	\$86,500.00	\$103,000.00
EQUIPMENT & SUPPLIES				
Sani-Huts	United Site Services (4 Sani-huts - \$55/unit, 2 sinks - \$75/unit, damage waivers and delivery fees - \$300)	\$670.00	\$0.00	\$670.00
Dumpsters	Dumpsters vary each cleanup, along with discounts. Budget projects need for 15 dumpsters priced at \$700.	\$3,500.00	\$7,000.00	\$10,500.00
Garbage Bags	for trash removal	\$300.00	\$300.00	\$600.00
KTMB Truck for Site Surveying/Event Implementation	Fuel & Maintenance/Mileage	\$200.00	\$200.00	\$400.00
Trash Pickers	ULINE - 32" (\$6-8/picker)	\$400.00	\$1,100.00	\$1,500.00
Project Supplies	Tools, tree wrap, paint, masks, gloves, etc.	\$750.00	\$1,750.00	\$2,500.00
Project Posters	NV Energy donation 100 posters	\$0.00	\$227.00	\$227.00
First Aid Kits	Some donated, KTMB purchases the rest	\$0.00	\$200.00	\$200.00
Tires Plus	Tire recycling	\$0.00	\$1,000.00	\$1,000.00
Green Waste Composting	\$6/yard - donated by RT Donovan	\$0.00	\$1,080.00	\$1,080.00
Sub-Total		\$5,820.00	\$12,857.00	\$18,677.00
VOLUNTEER COORDINATION				
Event Signage	For way-finding at event	\$100.00	\$100.00	\$200.00
Volunteer appreciation item	Approximately 1,000 items	\$2,000.00	\$2,000.00	\$4,000.00
Health Permit for Picnic	Washoe County Health District	\$200.00	\$0.00	\$200.00
Volunteer Project Leader appreciation item	Approximately 120 items	\$2,000.00	\$400.00	\$2,400.00
Public Education	Radio/TV/PSAs/Post Cards/Bumper Stickers	\$4,500.00	\$4,600.00	\$9,100.00
Zero Waste Supplies	Serving ware, utensils, signage	\$300.00	\$200.00	\$500.00
Volunteer Provisions	Nature's Bakery, KIND, Tahoe Trail Bars, Soda	\$0.00	\$500.00	\$500.00
Volunteer Food & BBQ	Donated in part by Save Mart	\$750.00	\$1,500.00	\$2,250.00
Sub-Total		\$9,850.00	\$9,300.00	\$19,150.00
TOTAL GCC 2022 Request		\$32,170.00	\$108,657.00	\$140,827.00
Truckee River Cleanup 2022				
COORDINATION & IMPLEMENTATION				
Keep Truckee Meadows Beautiful	Project, Partner, and Volunteer Management	\$16,250.00	\$10,000.00	\$26,250.00
Keep Truckee Meadows Beautiful	Mileage	\$250.00	\$0.00	\$250.00
Washoe County Parks	Staff Time, Materials & Equipment	\$0.00	\$3,000.00	\$3,000.00
City of Reno Parks	Staff Time & Equipment	\$0.00	\$1,500.00	\$1,500.00
Reno Fire Dept Water Entry Team	Swiftwater rescue technicians and equipment	\$0.00	\$1,000.00	\$1,000.00
Truckee Meadows Fire Protection District Water Entry Team	Swiftwater rescue technicians and equipment	\$0.00	\$1,000.00	\$1,000.00
Truckee Meadows Watershed Committee	Storm drain stenciling supplies, staff time, education and give-aways	\$0.00	\$4,000.00	\$4,000.00
City of Sparks Parks	Staff Time, Materials & Equipment	\$0.00	\$1,500.00	\$1,500.00

Nevada Department of Wildlife	Staff Time, Materials & Equipment	\$0.00	\$750.00	\$750.00
Reno Sparks Indian Colony	Staff Time, Materials & Equipment	\$0.00	\$1,000.00	\$1,000.00
The Nature Conservancy	Staff Time	\$0.00	\$500.00	\$500.00
Volunteer Hours	700 volunteers x 3 hours x \$20/hour	\$0.00	\$42,000.00	\$42,000.00
Sub-Total		\$16,500.00	\$66,250.00	\$82,750.00
EQUIPMENT & SUPPLIES				
Sani-Huts	United Site Services (3 sanihuts - \$55/unit, 2 sinks - \$75/unit, damage waivers and delivery fees - \$300)	\$615.00	\$0.00	\$615.00
Dumpsters	Dumpsters vary each cleanup, along with discounts. Budget projects need for 15 dumpsters priced at \$700.	\$3,000.00	\$7,500.00	\$10,500.00
Garbage Bags	Large bags for trash removal	\$300.00	\$200.00	\$500.00
RTMB Truck for Site Surveying/Event Implementation	Fuel & Maintenance/Mileage	\$200.00	\$200.00	\$400.00
Trash Pickers	ULINE - 32" (\$6-8/picker)	\$400.00	\$0.00	\$400.00
Project Supplies	Tools, tree wrap, paint, masks, gloves, etc., tool maintenance	\$750.00	\$2,250.00	\$3,000.00
Project Posters	NV Energy donation 100 posters	\$0.00	\$227.00	\$227.00
Green Waste Composting	\$6/yard- donated by RT Donovan	\$0.00	\$1,080.00	\$1,080.00
Sub-Total		\$5,265.00	\$11,457.00	\$16,722.00
VOLUNTEER COORDINATION				
Volunteer Food & BBQ	Supported in part by Savemart	\$750.00	\$1,500.00	\$2,250.00
Event Signage	Signs and banners	\$300.00	\$400.00	\$700.00
Volunteer Appreciation Item	Appx. 1000 items	\$2,000.00	\$2,000.00	\$4,000.00
Health Permit for Picnic	Washoe County Health District	\$200.00	\$0.00	\$200.00
Volunteer Project Leader Thank you	appx 120 items	\$2,000.00	\$2,000.00	\$4,000.00
Public Education	Radio/TV/PSAs/Post Cards/Bumper Stickers - increase in requested amount from 2021's proposal will increase TV PSA's in 2022	\$6,000.00	\$1,500.00	\$7,500.00
Zero Waste Supplies	Serving ware, utensils, signage	\$300.00	\$200.00	\$500.00
Volunteer Provisions	bars, snacks, soda	\$0.00	\$500.00	\$500.00
Sub-Total		\$11,550.00	\$8,100.00	\$19,650.00
Total TRC 2022 Request		\$33,315.00	\$85,807.00	\$119,122.00
Adult Education and Community Outreach				
COORDINATION & IMPLEMENTATION				
Keep Truckee Meadows Beautiful	Project, Partner, and Volunteer Management	\$5,000.00	\$47,000.00	\$52,000.00
Sub-Total		\$5,000.00	\$47,000.00	\$52,000.00
STEWARDSHIP & ENVIRONMENTAL AWARENESS				
Teacher training	2 educational training events with 50 estimated teachers	\$2,545.00	\$4,405.00	\$6,950.00
Sub-Total		\$2,545.00	\$4,405.00	\$6,950.00
Total Education and Outreach Request		\$7,545.00	\$51,405.00	\$58,950.00
Adopt-A-River				
COORDINATION & IMPLEMENTATION				
Keep Truckee Meadows Beautiful	Project, Partner, and Volunteer Management	\$9,750.00	\$29,250.00	\$39,000.00
Mileage	to and from events	\$100.00	\$0.00	\$100.00
Volunteer Hours	200 volunteers x 1.5 hours x \$20/hour	\$0.00	\$6,000.00	\$6,000.00
Total Adopt-A-River Request		\$9,850.00	\$35,250.00	\$45,100.00
TOTAL REQUEST		\$82,880.00	\$281,119.00	\$363,999.00

KTMB Funding Received from the Truckee River Fund

Date Awarded	August 2020
Project title:	TRF #239 2021 Spring Great Community Cleanup, 2021 Fall Truckee River Cleanup, Adopt-A-River & Adult Outreach and Education
Amount of Award:	\$74,245
Date Awarded	August 2019
Project title:	TRF #224 KTMB Cleanup and Weed Removal 2020
Amount of Award:	\$79,245
Date Awarded	February 2019
Project title:	TRF #217 Truckee River Cleanup
Amount of Award:	\$53,000
Date Awarded	August 2018
Project title:	TRF #204 Great Cleanup
Amount of Award:	\$31,640
Date Awarded	August 2017
Project title:	TRF #193 Great Cleanup/River Cleanup
Amount of Award:	\$69,760
Date Awarded	August, 2016
Project title:	TRF #176 Great Cleanup/River Cleanup
Amount of Award:	\$60,625
Date awarded:	October 22, 2016
Project title:	TRF #165 Truckee River Cleanup/Invasive Weed Pull
Amount of Award:	\$48,325
Date awarded:	February, 2015
Project title:	TRF #156 Phase I Truckee River Corridor Management Plan
Amount of Award:	\$90,000
Date awarded:	September, 2014
Project Title:	TRF #154 Invasive Weed Pull & River Cleanup
Amount of Award:	\$46,000
Date awarded:	October 2013
Project Title:	TRF 126: Truckee River Youth Education/Invasive Weed Pull/Cleanup 2014
Amount of Award	\$57,050
Date awarded:	September 2012
Project title:	Truckee River Cleanup 2013
Amount of Award:	\$46,450
Date awarded:	October 2011
Project title:	TRF #89 Truckee River Cleanup 2012
Amount of Award:	\$44,950
Date awarded:	November 2010
Project title:	#82 Truckee River Cleanup May 2011 Invasive Weed Pull and September 2011 Truckee River Cleanup Day
Amount of Award:	\$42,900
Date awarded:	December 2009
Project title:	Invasive Weed Pull May 2010, River Cleanup Sep 2010
Amount of Award:	\$42,050
Date awarded:	February 2009
Project title:	Truckee River Cleanup Day, September 2009
Amount of Award:	\$26,975
Date awarded:	January 2008
Project title:	Truckee River Cleanup Day, September 2008
Amount of Award:	\$25,604.85
Date awarded:	November 2006
Project title:	Truckee River Cleanup Day, September 2007
Amount of Award:	\$24,730
Date awarded:	July 2006
Project title:	Truckee River Cleanup Day, September 2006
Amount of Award:	\$13,175
Date awarded:	December 2005
Project title:	Truckee River Cleanup Day, September 2006
Amount of Award:	\$9,402.50

**TRF 239 2022 Proposal
Keep Truckee Meadows Beautiful
Contributions to the One Truckee River Management Plan**

KTMB's 2022 Great Community Cleanup, Truckee River Cleanup, and Adopt-A-River program will also support the following One Truckee River Management Plan objectives (see attached document for description):

- 2.1.b – Educate and coordinate with special events personnel to increase special events along less used sections of the river.
- 2.3.j – Work with local community wellness providers to implement a “Healthy River, Healthy People” campaign that will encourage the wellbeing of the Truckee River as well as the residents that live, work, and play along with it.
- 2.5.b – Create public/private partnerships to promote Truckee River beautification.
- 3.3.h – Continue to engage community decision-makers and partners about issues related to the river.
- 3.4.b – Educate the community on Leave No Trace Principles while in and along the river corridor.
- 3.4.c – Increase official presence along the river for stewardship and education of the community.
- 3.4.e – Coordinate and promote stewardship activities for groups such as high-school environmental clubs or community service organizations.
- 3.4.f – Coordinate stewardship activities throughout the river corridor to maximize impact.

KTMB's Adult and Community Education efforts will also support the following One Truckee River Management Plan objectives (see attached document for description):

- 1.3.b – Educate users of the Truckee River on issues impacting water quality.
- 2.1.j – Enhance prevention education and enforcement of anti-littering laws.
- 3.2.d – Create a one-page handout for adults and age-based handouts for children discussing core learning outcomes.
- 3.2.f – Identify and provide access opportunities to “outdoor classrooms” where students can learn along the river.
- 3.3.b – Coordinate a speaker's bureau to hold educational river-based events.
- 3.3.e – Continue to engage the community through interactive social media.
- 3.3.h – Continue to engage community decision-makers and partners about issues related to the river.



Cover Sheet

Date: 07/30/2021

Organization Name:	Washoe County		
Type:	501(c)(3) EIN# 88-6000138	Governmental entity? <input checked="" type="checkbox"/> Yes	
Address:	1001 East Ninth Street Reno, NV 89512		
Project Name:	River Stewards Project		
Amount requested: \$219,164	Website: https://www.washoecounty.us/homelessness/built-for-zero		
This funding will be used to (complete this sentence with a max of 2 sentences):	To improve water quality by reducing the amount of pollution in the urban Truckee River corridor through outreach, education, data collection, river clean-ups, appropriately placed sharps disposal containers and maintenance/cleaning of Portland Loo(s). This project fills the unique niche of bridging the gap between environmental concerns and homelessness.		
Key People:	Director:	Eric Brown, County Manager	
	Board Chair:	Bob Lucey, Chair, Board of County Commissioners	
	Project Contact:	Name:	Dana Searcy
		Position:	Special Projects and Homeless Services Manager
		Phone:	(775) 399-2005
		Fax:	
		Email:	dsearcy@washoecounty.us
Organization Mission:	Washoe County is dedicated to quality public service, effective communication and integrity, by enhancing the abundant quality of life in northern Nevada.		
Has your organization received other grants from the Truckee River Fund? <input checked="" type="checkbox"/> Yes (use additional page if necessary)	If yes,		
	Date awarded:	September 18, 2020	
	Project title:	TFR #244-Encampment Clean-UP and Unsheltered Individual Data Collection	
	Amount of Award:	\$179,932	
	Date awarded:		
	Project title:		
	Amount of Award:		
	Date awarded:		
	Project title:		
Amount of Award:			

DESCRIPTION OF PROJECT UNDER CONSIDERATION

Indicate the description that best fits the project you are proposing. Mark no more than three categories:

- ☐ A. Projects that improve bank or channel stabilization and decrease erosion.
- ☐ B. Structural controls or Low Impact Development (LID) projects on tributaries and drainages to the Truckee River where data supports evidence of pollution and/or sediments entering the Truckee River.
- ☒ C. Projects that remove pollution from the Truckee River.
- ☐ D. Projects that remove or control invasive aquatic species or terrestrial invasive plant species that are adverse to water supply.³
- ☐ E. Other projects that meet the evaluation criteria.

1. Project goals and measurable outcomes and how you will measure and report them.

The goal of the project is to improve water quality by reducing the amount of pollution in the urban Truckee River corridor through outreach, education, data collection, river clean-ups, appropriately placed sharps disposal containers and maintenance/cleaning of Portland Loo(s). This project fills the unique niche of bridging the gap between environmental concerns and homelessness.

This goal will be achieved through the following five (5) strategies and respective measurable outcomes:

1. **Maintain an outreach team to build/strengthen relationships with people experiencing homelessness.** This outreach team will continue to collect client-level data and data on the provision of housing and services to homeless individuals within 0.75 miles of the urban Truckee River corridor in the Homeless Management Information System (HMIS).
 - a. **Measurable Outcome:** Accurate and timely HMIS data reporting empowers our community to effectively track the number of unsheltered individuals at any given moment to better address homelessness.
2. **Conduct river clean-ups five (5) days per week in the urban Truckee River corridor.** Individuals experiencing homelessness will volunteer as River Stewards in teams of four (4), five (5) days per week. Each River Steward team will be led by a Karma Box Project Supervisor, who will be responsible for leading, motivating and coaching each River Steward Team to clean the river while also building life skills and strengthening relationships to help individuals resolve their homelessness. After volunteering for a four (4) hour volunteer shift, River Stewards will earn a gift card incentive.
 - a. **Measurable Outcome:** Pollution will be removed directly from and around the urban Truckee River corridor. The quantity of trash bags collected, and River Steward volunteer hours will be recorded each day. River Steward transitions into stable housing will be tracked in HMIS.
3. **Weekly pick-up of sharps disposal container waste.** Usage will be monitored to ensure units are placed at highest potential utilization areas.
 - a. **Measurable Outcome:** Contents of each sharps disposal unit will be weighed when picked up weekly by contractor.
4. **Provide education.** Educational talks on safe disposal of sharps, harm reduction strategies and taking care of the river environment will be integrated into outreach efforts.
 - a. **Measurable Outcome:** The number of educational talks with individuals experiencing homelessness will be tracked daily through the project spreadsheet.
5. **Daily cleaning, locking/un-locking around Portland Loo(s).** From October 1, 2021-February 28, 2022 one (1) Portland Loo at Brodhead Park. From March 1, 2022-September 30, 2022, one (1) Portland Loo at Brodhead Park and one (1) Portland Loo at John Champion Park. These facilities are key to ensuring human waste is diverted from direct entry into the river.
 - a. **Measurable Outcome:** A daily log of cleaning and locking/unlocking will be recorded in the project spreadsheet.

The above outcomes will be reported quarterly through the Truckee River Fund Grant Report Form and as requested in the community.

2. Project location.

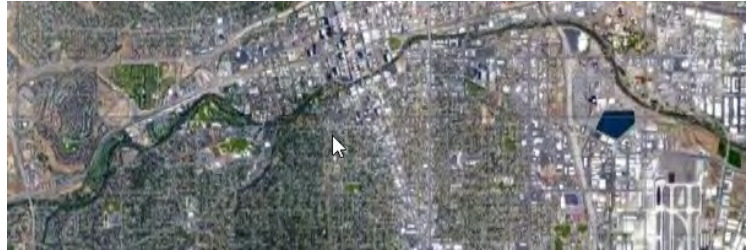
The project will be concentrated in the urban Truckee River corridor between Aces Ballfield and John Champion Park (Map 1 below) and could span as far as areas between McCarran West and East (Map 2 below) depending on needs.

3. Project description.

Map 1



Map 2



Similar efforts have taken place in California along the Russian River. The Russian River Clean River Alliance (CRA) noted that “by engaging homeless individuals to clean up their own camps and volunteer alongside the CRA, the amount of trash entering the Russian River has dramatically declined, leading to beach clean-ups at the mouth of the Russian River to be canceled – due to the lack of trash.” (source: <https://bit.ly/311AIHt>)

4. Grant priorities.

The project advances the following Truckee River Fund priority: **VI Stewardship and Environmental Awareness: Support to Clean-Up programs and the implementation of educational programs relative to water, water quality and watershed protection.**

Controlling the flow of human created trash/waste is critical to protect the health of the Truckee River, especially in the urban Truckee River corridor. Trash generated by unsheltered individuals living along the Truckee has a large impact on the health of the region’s water source. The River Stewards Program will work directly with unsheltered individuals to clean up areas along the urban Truckee River corridor. Additionally, this project will continue to add to the database of unsheltered individuals to better connect them to housing resources, with the goal continuing to reduce the number of people camping along the river. Lastly, this project will integrate education into our outreach efforts to teach unsheltered individuals about the importance of keeping the river clean and how to do so through use of the sharps disposal containers, utilizing the Portland Loo(s) and volunteering to be a River Steward.

5. Permitting.

No permits will be required. The sharps disposal collection contractor will adhere to federal, state, and local regulatory compliance.

6. Future land use.

None known.

7. Future phases.

This round of grant funding will support the second iteration of this pilot program. In this second iteration, we will increase our collaborations and efficiencies to heighten our positive impact on the urban Truckee River corridor. Future phases will be developed after assessment of this next year’s progress.

8. Principals involved.

Washoe County Regional Homeless Services (WCRHS) will provide overall project oversight, administrative support, and grant compliance. A Management Analyst and Data & Policy Specialist will work together to ensure overall program success. Washoe County's frontline partner, Karma Box Project, will execute the program on the ground.

Karma Box Project (KBP), will continue to operate and enhance the River Steward Program into its second year. KBP will provide homeless outreach and education, conduct data collection, lead river clean-up volunteer teams, and clean & maintain the Portland Loo (s). KBP was founded in 2019, established to organize a method to transfer items between people who have them, and the people who need them. Within the past year, Karma Box Project has successfully piloted and grown the River Stewards program in coordination with Washoe County. Additionally, Karma Box Project is the current contracted operator of the Washoe County Safe Camp for people experiencing homelessness. The River Stewards program has been integral in bolstering Karma Box Project's outreach efforts to support successfully transitioning individuals away from living on the river.

9. Staff positions involved.

Two Washoe County positions: part-time Management Analyst (10% of time), part-time Data & Policy Specialist (10% of time). Two (2) part-time Karma Box Project supervisors (55% of time) will spearhead data collection efforts, lead River Steward clean-up teams, conduct Portland Loo(s) cleaning/locking, and provide educational outreach. One part-time (1) Karma Box Project Manager (50%) will oversee frontline operations and outreach. Rynocare, the contracted operator to maintain the sharps disposal units, will empty the units one (1) time per week.

10. Volunteers involved.

Clean-ups will occur five (5) days per week with River Stewards volunteering four (4) hours per day. It is estimated that four (4) volunteers will take part in each river clean up. Over the course of one (1) year, it is estimated that a total of 4160 volunteer hours will be completed, consisting of between 150-450 unique River Steward volunteers.

11. Time Line.

By October 2021:

- Move one sharps collection container from initial location to Cares Campus (pending official transition of Cares Campus to Washoe County).
- Commence Portland Loo cleaning/operating duties
- Begin Year 2 river clean-ups
- Begin Year 2 education/outreach
- Begin Year 2 of HMIS data collection

Ongoing November 2021 -September 2022:

- Data entry of unsheltered individuals
- River clean-ups conducted 5 days per week
- Portland Loo daily un-locking, clearing, cleaning & locking
- Education/outreach continues
- Evaluation of program effectiveness and implementation of any needed program adjustments

March 2022

- Begin daily cleaning and locking/unlocking of new Portland Loo at John Champion Park. (Exact start date is pending exactly when TMWA completes installation).

Milestones:

- Sharps disposal units are optimally placed to divert the most waste from entering the river – March 2022
- Portland Loos are widely utilized and known as a safe and clean alternative to direct urination/defecation into the river – by September 2022
- Significant reduction in waste coming into the Chalk Bluff and Glendale TMWA water treatment facilities through clean-ups and education – by September 2022
- Majority of unsheltered individuals within the project area are entered in HMIS – by September 2022
- Riverbank camping/living is significantly reduced through successful transitions into stable housing due to outreach efforts. – by September 2022.

12. Success.

The project will be successful when: a current by-name list of individuals experiencing homelessness has been achieved in HMIS, individuals are diverted from setting up new camps along the river, individuals have moved into housing off the river, pollution to the urban Truckee River corridor has been reduced, including significant reduction of sharps and human waste in the river to create a clean river space for the enjoyment of the entire community.

13. Collaboration.

By coupling river clean-ups with better data collection, Portland Loo cleaning, sharps disposal units and outreach/education, Washoe County is implementing a system-thinking strategy to address a variety of root issues that will lead to the decrease of pollution in the urban Truckee River corridor.

Collaboration with local stakeholders will be key to ensuring this project's success. Washoe County will leverage partnerships to ensure all the necessary players are involved in the project- from direct service providers to provide outreach, education, and data-collection, to the new HOPE teams to provide an integrated community policing model focused on finding real solutions to regional issues. Most importantly, the County will partner directly with unsheltered individuals, empowering them to clean the river and working with them to relocate to housing.

Project partners include Karma Box Project, One Truckee River, Washoe County Safe Camp, Washoe County Sheriff's Office – HOPE team, City of Reno Clean and Safe Team, City of Sparks HOPE team, Eddy House, Health Plan of Nevada, Karma Box Project, Washoe County MOST, VOA, Reno Regional Veterans Administration, and Community Solutions (using their Built for Zero methodology to create a data-driven lasting end to homelessness).

14. Grant match.

A total of \$77,874.26 of in-kind match will be provided. This represents 26.2% of the total budget of \$297,038.26.

This includes:

- 4160 volunteer hours at \$13/hour = \$54,080
- Washoe County staff: Management Analyst (10%) & Data & Policy Specialist (10%) = \$23,794.26

PROJECT BUDGET			
Budget Item Description*	Truckee River Fund \$	Washoe County Match \$	Total
Labor - Washoe County Staff	\$ -	\$ 23,794.26	\$ 23,794.26
Labor - KBP Monthly Management Fee	\$ 44,000.00	\$ -	\$ 44,000.00
Labor - KBP Supervisor (hourly) Outreach & River Cleanup	\$ 37,440.00	\$ -	\$ 37,440.00
Labor - KBP Supervisor (hourly) Clean/lock/unlock/clear Portland Loo(s) daily. 1 from Oct. 1-Feb. 28, 2 from Mar. 1-Sep. 30.	\$ 28,500.00	\$ -	\$ 28,500.00
Labor--volunteer \$13/hour	\$ -	\$ 54,080.00	\$ 54,080.00
Volunteer Incentives (Gift Cards)	\$ 52,000.00	\$ -	\$ 52,000.00
Supplies & Materials	\$ 10,000.00	\$ -	\$ 10,000.00
Sharps Collection	\$ 27,300.00	\$ -	\$ 27,300.00
Subtotal	\$ 199,240.00	\$ -	\$ 277,114.26
Administrative Costs (10%)	\$ 19,924.00	\$ -	\$ 19,924.00
TOTAL	\$ 219,164.00	\$ 77,874.26	\$ 297,038.26

Grant application to the *Truckee River Fund*
from the *Truckee River Watershed Council*
Prosser Basin Sediment Reduction Plan

08-20-21 TRF Agenda Item 6
#257

Organization Name:	Truckee River Watershed Council (TRWC)		
Type: Non-Profit	501(c)(3) EIN# 91-1818748	Governmental entity? No	
Address:	P.O. Box 8568, Truckee, CA 96162		
Project Name:	Prosser Basin Sediment Reduction Plan		
Amount requested: \$44,000	Website: www.truckeeriverwc.org		
This funding will be used to (complete this sentence with a max of 2 sentences):	Fill a critical funding gap for the Prosser Basin Sediment Reduction Plan in support of the Truckee River TMDL. The Plan will manage road, trails, and site improvements for excess sedimentation, hydrologic connectivity, and watershed function.		
Key People:	Director:	Lisa Wallace	
	Board Chair:	Jake Hudson	
	Project Contact:	Name:	Beth Christman
		Position:	Director of Restoration Projects
		Phone:	530-550-8760, 1#
		Fax:	NA
		Email:	bchristman@truckeeriverwc.org
Organization Mission:	We bring the community together for the Truckee to restore, protect, and enhance the Truckee River watershed.		
Has your organization received other grants from the Truckee River Fund? Yes X No (use additional page if necessary)	If yes,		
	Date awarded:	Spring 2021	
	Project title:	Lower Bear Creek Meadow Restoration, Phase 2	
	Amount:	\$51,250	
	Date awarded:	September 2020	
	Project title:	Restoration for Coldstream Canyon	
	Amount:	\$86,500	
	Date awarded:	March 2019	
	Project title:	McIver Dairy Meadow Restoration Project	
	Amount:	\$161,000	
Please see Attachment A for a full list of awarded grants			

DESCRIPTION OF PROJECT UNDER CONSIDERATION

Indicate the description that best fits the project you are proposing. Mark no more than three categories:

- ☒ A. Projects that improve bank or channel stabilization and decrease erosion.
- ☒ B. Structural controls or Low Impact Development (LID) projects on tributaries and drainages to the Truckee River where data supports evidence of pollution and/or sediments entering the Truckee River.
- ☒ C. Projects that remove pollution from the Truckee River.
- ☐ D. Projects that remove or control invasive aquatic species or terrestrial invasive plant species that are adverse to water supply.¹
- ☐ E. Other projects that meet the evaluation criteria.

1. Specific project goals and measurable outcomes and how you will measure and report them.

Goals. The goals of the Prosser Basin Sediment Reduction Plan (Sediment Reduction Plan) are to:

- Address excessive sedimentation as identified in the Truckee River TMDL and the RIOS Assessment
- Further the recommendations from the Prosser Basin Assessment (September 2021) regarding sedimentation from roads, trails, and historic land use sites
- Define the specific roads, trails, and sites generating excessive sedimentation
- Prescribe the treatments and actions needed to reduce the sedimentation
- Incorporate the roads, trails, sites, treatments, and actions into existing capital improvement projects planned through 2024 with the three major landowners

Project Outcome Measures. In the period of grant funding, the measures of success are a completed Sediment Reduction Plan and acceptance of the plan by the three major landowners. This can readily be reported quarterly to the Truckee River Fund.

Performance Outcome Measures. The Sediment Reduction Plan will quantify reductions to be achieved through implementation. It will additionally specify the methods the measure the sediment reductions. These expected reductions can be included in the Final Progress Report to the Truckee River Fund.

2. Project location and Landowners. Prosser Basin is located in California, in the Middle Truckee River watershed, near the Town of the Truckee. Prosser Basin is approximately 53 square miles. This project includes the entire Prosser Basin.

Majority landowners are Tahoe Donner Association, Truckee Donner Land Trust, and the USFS Tahoe National Forest. Together they manage approximately 90% of the land and water in Prosser Basin.

3. Project description. The project is a planning project that seeks to reduce excess sedimentation in the Prosser Basin by addressing degradation caused by modern and historic road, trails, and associated sites. We are requesting funding to help complete the plan. The three major landowners have committed to cost sharing in the development of the plan and equally important, to implement the plan as part of their scheduled capital improvements through 2024.

Studies. The Middle Truckee River watershed is listed under the Clean Water Act (303)d as impaired for sediment with an approved TMDL (Lahontan Water Board, 2008).

The RIOS Assessment (The Nature Conservancy, 2016) address several scenarios for land management in the Truckee River watershed. Among the findings are that improperly built and maintained “dirt” roads are a substantial source of excessive sedimentation. It recommends a robust strategy of addressing roads.

The Prosser Basin Assessment (Truckee River Watershed Council, September 2021) makes several land management and restoration recommendations, including a comprehensive approach to addressing roads, trails, and associated sites. For example, legacy logging roads with skid trails and landings.

The Problem: In the Prosser Basin, from the western edge at the Sierra Crest downstream to the confluence with the Truckee River, an extensive and unmanaged network of roads, trails, and associated sites is generating excessive sedimentation. The roads, trails, and sites were constructed starting in the mid-1800s to support logging and grazing and continued into modern times to support utilities, transportation, and recreation as well as modern era logging and grazing.

In modern times, the roads, trails, and sites crossover landowner boundaries but are managed isolation by each landowner. This has created significant redundancy in roads and trails and uneven quality in managing roads and trails along with problems of excessive sedimentation and degradation of water quality and habitat.

The Solution: Bring the landowners together to coordinate planning and implementation to address the roads, trails, and associated sites.

Since autumn 2020, the three major landowners in Prosser Basin have been working with the Truckee River Watershed Council on a comprehensive Prosser Basin Assessment (see Time Line, below). The landowners are Tahoe Donner Association, Truckee Donner Land Trust, and the USFS Tahoe National Forest. The assessment will be completed later in 2021, but it is already apparent that a high priority management recommendation is the development a sediment reduction plan focusing on roads, trails, and associated sites. Adding some urgency – and some opportunity – all three landowners have capital improvements scheduled from 2022 – 2024 which could include the recommendations from the Sediment Reduction Plan.

Specific work tasks for the Sediment Reduction Plan are:

1. Inventory (“Desktop” and on-site): digitally integrate/combine the roads and trails data available from landowners and other sources. Identify formal and informal roads and trails. Conduct on-site surveys. Rate and rank the roads and trails by segment for maintenance, elimination, combination. Estimate sediment load reductions.
2. Actions/Treatments (“Desktop” and on-site): Identify specific actions and treatments by road, trail, and site needed to achieve sediment reductions (i.e., eliminate/combine, grading, water bars/dips, culverts or crossings, etc.)
3. Draft Plan: Review and approval by each landowner and by landowners together. Digital data sets and specifications to be used by landowners. Inherent in this step is landowners coming to agreement about roads and trails which cross boundaries.
4. Final Plan: Revisions based on feedback and review from the Draft Plan. Acceptance by each landowner of the Sediment Reduction Plan.
5. CEQA & NEPA Analysis: to increase the probability of implementation, we will sort the roads, trails, and sites by level of required environmental compliance required. Some actions will not need CEQA/NEPA, others can readily meet the requirements, and still other will require a robust environmental review. By identifying the requirements as part of the plan, the landowners can, for example, more readily move ahead with some actions/treatments or can add the treatments/actions to CEQA/NEPA scopes of work.

4. **Grant priorities.** The project addresses:
 - **Watershed Improvements:** If fully implemented, the project will decrease sedimentation by 20 tons per year to support attainment of the TMDL for Truckee River. Treatments/Actions on roads, trails, and restoration sites will enhance watershed function such as infiltration, reduce erosion, and protect and restore streams, wetlands, and meadows.
 - **Local Stormwater Improvements:** Prosser Basin receives stormwater inputs from a surprising large network of roads, trails, and residential development. The project's approach will use some engineered solutions as well as restoring natural function (infiltration, source reduction) for those stormwater inputs.
 - **Meet Multiple Objectives:** The project meets the watershed and water quality objectives listed above. It also benefits meadow, riparian, and in-stream habitat, native fish and wildlife species, and manages/directs transportation and recreation uses.
 - **Leverage Stakeholder Assets and Participation:** The projects leverage significant partner/landowner participation and cost share from Tahoe Donner Association, Truckee Donner Land Trust, and USFS. They have actively participated in the Prosser Basin Assessment, agreed to the project prioritization, and will use the Sediment Reduction Plan in their planned work over the next three years. The Washoe Tribe of Nevada and California and are aware of the Prosser Basin Assessment and, due to staffing limitations, will review specific projects based on our request to them.
5. **Permitting.** Because this is a planning project, permits are not required. Likewise, NEPA and CEQA are not required to develop the plan.
6. **Future Land Uses.** All three partners/landowners have land use projects scheduled over the next three years which can address roads, trails, and site improvements - and which, if correctly implemented, can substantially reduce sedimentation.
7. **Future phases.** This Sediment Reduction Plan can provide guidance and direction for work already scheduled by the partners/landowners as well as identifying additional needed actions/treatments.
8. **Principals involved.** Beth Christman TRWC Director of Restoration Projects, will oversee the implementation of the project.
9. **Number of staff positions involved in project:** Beth Christman and Lisa Wallace from TRWC will work part-time on this project, with additional support from the staff at Tahoe Donner Association, Truckee Donner Land Trust, and USFS Tahoe National Forest.
10. **Number of volunteers involved in project and an estimated number of volunteer hours.** Because this is a planning project, there are not opportunities for volunteers.

- 11. Time Line.** The project timeline is included below. For the sake of clarity and context, the timeline includes several completed project tasks as well as the proposed work. There are no anticipated delays for beginning the Sediment Reduction Plan.

	Task	Date
Completed work	Prosser Basin Assessment – Watershed Attributes	October 2020
	Prosser Basin Assessment – Disturbance Inventory	February 2021
	Prosser Basin Assessment - Restoration & Management Opportunities	August 2021
	Prosser Basin Assessment – Final Report	September 2021
Proposed Work	Inventory (“Desktop” and on-site)	January – June 2022
	Actions/Treatments (“Desktop” and on-site)	July – September 2022
	Draft Plan	October 2022
	Final Plan	November 2022
	CEQA & NEPA Analysis	February 2023

- 12. Success.** Project success will be confirmed by acceptance of the plan by all partners along with their agreement to cost-share the implementation of the recommended actions/treatments.
- 13. Collaboration.** This project is a collaboration between TRWC and three partners/landowners - Tahoe Donner Association, Truckee Donner Land Trust, and USFS Tahoe National Forest. Letters of support and participation are available on request.
- 14. Grant match.**

Match amount to be provided:		\$11,400	
Match details:	Match is:	Cash	\$0.00
	For the cash portion of your match, is the funding already being held by the applicant for this project?		
Description of matching funds/in-kind donations:	The matching funds are in-kind staff time for: survey implementation, data source and compilation, technical review, management review, and analysis required for NEPA and CEQA completion (which will be needed for implementation of the Sediment Reduction Plan).		

ATTACHMENTS

- A. Extended list of past TRWC projects funded by the Truckee River Fund.
- B. Prosser Basin Sediment Reduction Plan – See Maps 1 and 2

Nonprofits submit: Documents noted below are available and can be submitted upon request.

- ☒ Last audited financial statements if your organization has been audited
- ☒ List of Board of Directors
- ☒ Copy of agency’s IRS 501(c)(3) Tax Determination Letter
- ☒ Copy of the agency’s most recent IRS Form 990

15. PROJECT BUDGET

Budget Item	TRF \$	Other Funding	Match	Total
Draft Sediment Reduction Plan	\$20,000	TDA, TDLT, USFS	\$3,000	\$23,000
Final Sediment Reduction Plan	\$7,000	TDA, TDLT, USFS	\$2,400	\$9,400
CEQA & NEPA Analysis	\$12,000	TDA, TDLT, USFS	\$6,000	\$18,000
Partner Coordination	\$2,500			\$2,500
Project Administration	\$2,500			\$2,500
TOTAL	\$44,000		\$11,400	\$55,400

TDA – Tahoe Donner Association

TDLT – Truckee Donner Land Trust

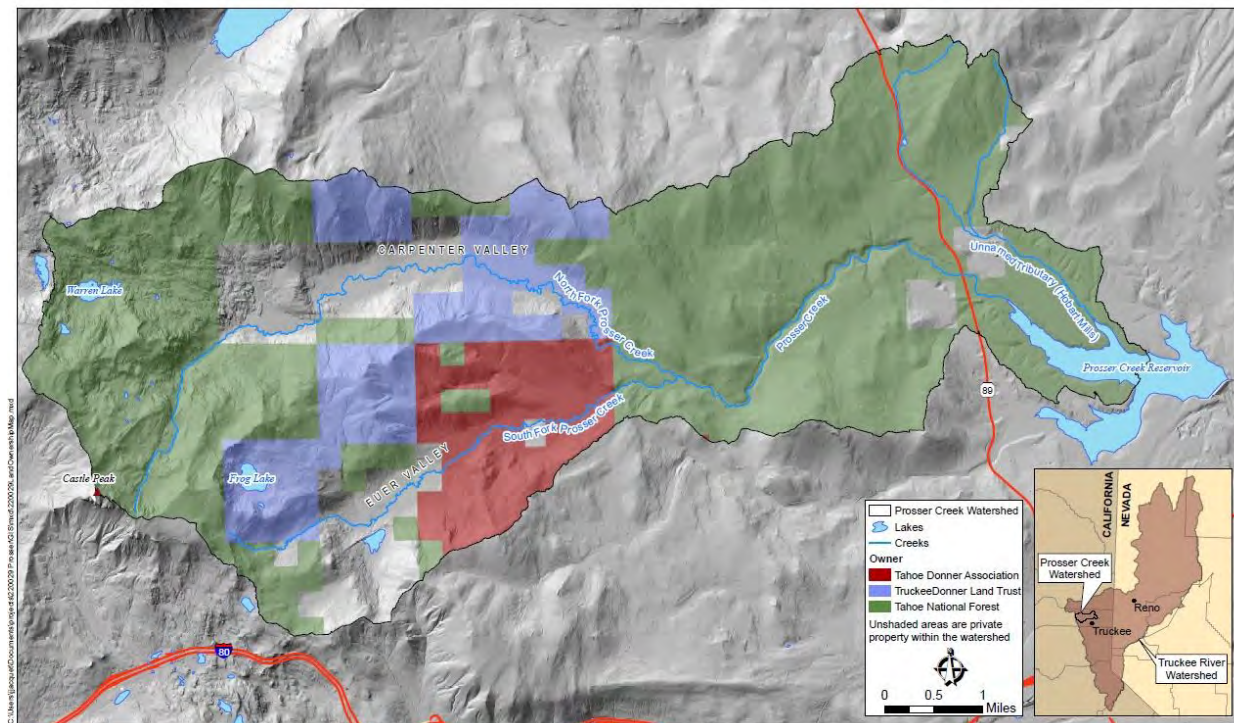
USFS – U.S. Forest Service, Tahoe National Forest

All three partners/landowners have projects scheduled over the next three years for roads, trails, and site improvements which, if correctly implemented, can substantially reduce sedimentation. This Sediment Reduction Plan can provide guidance and direction for already scheduled work as well as identifying additional needed actions/treatments.

Location Maps: Prosser Basin, within the Middle Truckee River watershed, California



Map 1: Land included in the Prosser Basin Sediment Reduction Plan



Map 2: Land managed by the Tahoe Donner Association, Truckee Donner Land Trust, and USFS Tahoe National Forest. Note: the USFS additionally manages the vast majority of land surrounding Prosser Creek to the confluence with the Truckee River.

Grant application to the *Truckee River Fund*
from the Truckee River Watershed Council

Attachment A
Continued list of grants to TRWC from the Truckee River Fund

Date awarded:	September 2020
Project title:	Restoration for Coldstream Canyon
Amount of Award	\$86,500
Date awarded:	October 2019
Project title:	Truckee River Invasive Species Control Project
Amount of Award	\$19,250
Date awarded:	March 2019
Project title:	Mclver Dairy Meadow Restoration Project
Amount of Award	\$161,000
Date awarded:	October 2018
Project title:	Truckee River Water Quality Monitoring Program
Amount of Award	\$25,000
Date awarded:	October 2018
Project title:	Restoration Projects: Donner Creek and Dry Creek Meadow
Amount of Award	\$92,000
Date awarded:	March 2018
Project title:	Truckee Meadows Restoration Project – Phase 2 Construction
Amount of Award	\$30,000
Date awarded:	October 2017
Project title:	Truckee River Tributaries Sediment Reduction Project
Amount of Award	\$165,000
Date awarded:	March 2017
Project title:	Big Chief, F4M Restoration Culvert Outflows
Amount of Award	\$50,000
Date awarded:	September 2016
Project title:	Donner Creek Bank Stabilization Downstream of Railroad Culvert Final Design
Amount of Award	\$90,000
Date awarded:	March 2017
Project title:	F4M Restoration Culvert Outflow
Amount of Award	\$50,000
Date awarded:	September 2016
Project title:	Donner Creek Concept Designs
Amount of Award	\$40,000
Date awarded:	September 2016
Project title:	Donner Creek Bank Stabilization
Amount of Award	\$92,000
Date awarded:	April 2016
Project title:	Johnson Canyon West #2
Amount of Award	\$67,000
Date awarded:	October 2015
Project title:	Johnson Canyon West #1
Amount of Award	\$25,000

Grant application to the *Truckee River Fund*
from the Truckee River Watershed Council

Date awarded:	September 2014
Project title:	Donner Lake Watershed Assessment
Amount of Award	\$70,000
Date awarded:	March 2014
Project title:	Truckee Wetlands Restoration – Phase 3,4, & 5 – Design
Amount of Award	\$50,000
Date awarded:	October 2013
Project title:	Truckee River Big Chief Corridor –Restoration
Amount of Award:	\$150,000
Date awarded:	March 2013
Project title:	Truckee River Big Chief Corridor – Implementation
Amount of Award	\$11,000
Date awarded:	March 2013
Project title:	Middle Martis Wetland Restoration – planning and design
Amount of Award:	\$120,000
Date awarded:	August 2012
Project title:	Phase 2 Coldstream Canyon Floodplain Restoration
Amount of Award:	\$196,000
Date awarded:	March 2012
Project title:	Lacey Creek and Meadow Assessment
Amount of Award	\$50,000
Date awarded:	March 2012
Project title:	Negro Canyon Restoration – pre-project monitoring
Amount of Award:	\$25,000
Date awarded:	October 2010
Project title:	Coldstream Canyon Floodplain Restoration Project
Amount of Award:	\$135,000
Date awarded:	August 2010
Project title:	Truckee Wetlands Restoration Project – Phase 2
Amount of Award:	\$40,000
Date awarded:	July 2006
Project title:	“This Drains to the Truckee River” Storm Drain Stenciling Pilot Project
Amount of Award:	\$9,300