

TRUCKEE RIVER FUND

Enhancing and protecting our water resources

TRUCKEE RIVER FUND ADVISORY COMMITTEE

AGENDA

Friday, February 28, 2020, 8:30 a.m.

Community Foundation of Western Nevada

50 Washington Street, Suite 300, Reno, NV 89509

NOTES:

1. The announcement of this meeting has been posted at the following locations: Truckee Meadows Water Authority (1355 Capital), Reno City Hall (1 E. First), Sparks City Hall (431 Prater), Sparks Justice Court (1675 E. Prater Way, Sparks), Washoe County Clerk's Office/Courthouse (75 Court), Washoe County Central Library (301 South Center) Washoe County Administration (1001 East Ninth), at <http://www.truckeeriverfund.org/meetings.shtml>, and State of Nevada Public Notice Website, <https://notice.nv.gov/>.
2. In accordance with NRS 241.020, this agenda closes three working days prior to the meeting. We are pleased to make reasonable accommodations for persons who are disabled and wish to attend meetings. If you require special arrangements for the meeting, please call 834-8002 before the meeting date.
3. Staff reports and supporting material for the meeting are available at Truckee River Fund and on the Truckee River Fund website <http://truckeeriverfund.org/meetings/> 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 public comment period or on a specific agenda item by completing a "Request to Speak" card and submitting it to the clerk. In addition to the public comment periods, the Chairman has the discretion to allow public comment on any agenda item, including any item on which action is to be taken.

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 November 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. Discuss possible changes to Truckee River Fund goals (**for possible action**)
8. Discussion and possible plan for 2020 field trip (**for possible action**)
9. Committee and staff comments*
10. Next meeting: May 15, 2020 (**for possible action**)
11. Public comment (limited to no more than three minutes per speaker)*
12. Adjournment (**for possible action**)

MEETING MINUTES (TRANSCRIPT SUMMARY)

TRUCKEE RIVER FUND ADVISORY COMMITTEE MEETING OF NOVEMBER 22, 2019

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, November 22, 2019.

Those Present: Committee Members: Janet Phillips, Chairman; Susan Lynn (phone), Vice Chairman; Michael Cameron; Bill Bradley; Mike Brisbin; Don Mahin; Ron Penrose; and Brian Bonnenfant; Also: Lauren Renda, Community Foundation of Western Nevada; Sylvia Harrison, Esq., McDonald Carano, LLP; John Enloe and Sonia Folsom, both with TMWA; Members of the Public: Nate Allen, WaterStart.

* 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.

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

Agenda Item #4: Approve the August Field Trip minutes: The August 16, 2019 field trip minutes was unanimously approved.

Agenda Item #5: Approve the August summary meeting minutes (for possible action): The Meeting Minutes (Transcript Summary) for August 23, 2019 was unanimously approved.

Agenda Item #6: Fund balance report: Lauren stated that we have available to grant \$197,936 for the spring 2020 cycle. This is due to the fact that we had a larger fall granting cycle, and we also had a large Nevada Land Trust spring grant that wasn't awarded until the fall and was not showing on our books until just recently.

Agenda Item #7: Hear nominations for and elect chair and vice chair for Advisory Committee (for possible action): Janet noted that these elections usually happen in even years and that the agenda should have only said to elect a vice chair. Susan Lynn announced that she is stepping down both as vice chair and as a committee member. Sylvia provided

input regarding electing the vice chair for the remainder of Susan's term and then having a vote for both officers in the normal cycle. A motion to nominate Brian Bonnenfant to serve the remainder of Susan Lynn's term as vice chair was unanimously approved.

Agenda Item #8: Discuss possible revisions to Spring Request for Proposal application (for possible action): Janet asked TMWA to begin the discussion. John Enloe stated that there's been a lot of discussion and that TMWA is getting more and more behind the Portland Loo restroom, One Truckee River restroom project effort, as more entities and agencies are coming to the table with funding. He described many action items recently, including that an interlocal agreement with Washoe County was approved for the purchase of restrooms, the easement with City of Reno and Brodhead Park to install the first Portland Loo got approved, NDEP has funding paying for a half-time river ranger to help with public outreach regarding the Portland Loo, One Truckee River has funding, Renown came up with maintenance funds, and the Health Department has funding for maintenance and Sharps receptacles in the restrooms. He talked about putting together a summary of how much the Truckee River Fund has contributed over the years toward the river corridor cleanup management to show the TMWA Board that there's already been a lot of money directed towards this effort. And when the TMWA Board meets in December and discusses parameters and direction for the spring RFP, John can bring them suggestions and guidance from the advisory committee. There was a discussion by the group about various options and suggestions.

A motion was made to maintain our current form of our RFP, but in a cover letter sent out to potential spring grantees we inform them of the limited funding that we have available for projects, the recognition by the advisory committee that the homeless issue and its impact on water quality is a pressing problem for the Truckee Meadows, and in light of that pressing problem and the multiple comments from state, county and city officials we are asking our potential grantees to attempt to look at projects that would assist in the development of facilities along the urban Truckee River corridor that will improve water quality, that we will not be excluding consideration of other projects but we're hoping to see a focus on urban Truckee River corridor improvements, and that the Executive Committee of the Fund is delegated to evaluate the TMWA Board's interest following the December meeting and, if necessary, make suggested changes to the letter that will accompany the spring RFP. The motion was unanimously passed.

Agenda Item #9: Hear reports on completed projects: TRF #206 (Brian Bonnenfant); TRF #214 (Ron Penrose):

#206, Truckee Meadows Parks Foundation, Truckee Meadows Nature Study Area Project: Brian Bonnenfant reported that this is the old Rosewood Golf Course and turning it back to a wetlands and nature trail and education. He provided an evaluation. Due to the government shutdown, staff turnover at National Park Service, and their initial public meeting drew so many people and so much feedback and response, their goal with the initial funding that was to develop a plan for the park was pushed back, so they'll have it done by the end of the year.

In the meantime, they secured additional funding and implemented an operational plan already. So after the master plan is completed in December, the planning phase will be completed. They're very happy with the progress. This project is done. Their next phase is trail building and noxious weeds, which we awarded them in 2019.

#214, Sierra Nevada Journeys, Watershed Education Initiative: Ron Penrose reported that he will get the written report back to Lauren soon, but he has been monitoring this whole program for a long time. He noted that they have a pretty good curriculum, involve quite a number of schools, do classroom education, and take a field trip typically to McCarran Ranch to look at remediation activities that were done out there. Also, they measure outcomes by doing pre and post assessments, and that the kids do learn, and watershed protection and things that are important for the Truckee River and water in general sticks with the kids at an early age. This is a good program.

Agenda Item #10: Review and approve draft 2020 calendar (for possible action): The 2020 calendar was reviewed. A motion to approve the 2020 calendar was unanimously passed.

Agenda Item #11: Committee and staff comments:

Susan commented that she has an outstanding report to do for #204, Keep Truckee Meadows Beautiful, 2019 Education River Cleanup. Lauren indicated that she has the report. As Susan has resigned, but they did the project, and there are no red flags, this project was deemed to be done.

Sylvia commented that it is possible for us to augment this fund from other sources. On the website there is a slot for donations. But if there are individuals that the Community Foundation can tap into, particularly if they can do it on an unrestricted basis, that would be really worthwhile. We could put this on an agenda for future discussion.

Sylvia commented that she would like to personally thank Susan for so much service to this fund, that she really appreciates it, that it's been successful largely because of Susan's efforts, and that it would be nice if TMWA Board might do something to recognize her service. There was applause from everyone.

Brian commented that the county lands bill is back and winding through the process, and they have a flyer of the goals and objectives. The cities and county would sell it to developers. Developers would pay for it. And then the funds would be used in other projects to conserve sensitive areas. So there's already been some focus by at least the county about applying some of those funds in the land bill to the river.

Agenda Item #12: Next meeting: February 28, 2020 (for possible action): The next meeting date will be February 28, 2020. No action was taken.

Agenda Item #13: Public comment (limited to no more than three minutes per speaker): There was no public comment.

Agenda Item #14: Adjournment (for possible action): The meeting was adjourned at 9:36 a.m. No action was taken.

December 10, 2019

Truckee Meadows Water Advisory Board

Dear Potential Spring 2020 TMWA FUND Grantees:

As many of you are aware, we consider requests for grants in both the spring and the fall of each calendar year. This spring, we will be considering grant requests but we wanted to provide you with additional information for this upcoming cycle.

Please be aware that our ability to make grants will be limited due to existing funding of approximately \$200,000. Furthermore, as a result of tours that we did of the urban Truckee River corridor, along with observations we have all made regarding state, county and public officials comments regarding the need to improve the urban Truckee River corridor and its associated homeless problems, we are suggesting to potential spring 2020 grantee organizations that they consider projects that will assist in improving the water quality along the urban Truckee River corridor.

The TMWA advisory board also understands that there may be requests for grants not relating to the urban Truckee River corridor and we understand if you desire to submit other grants.

We look forward to receiving grant requests as we continue to identify and select projects that improve the water quality for the Truckee Meadows.



Truckee River Fund 2020 Request for Proposals

The Community Foundation of Western Nevada is accepting proposals for grants from the Truckee River Fund. Proposals will be considered by the Truckee River Fund Advisory Committee and grant recommendations must be approved both by the TMWA Board and the Board of Trustees of the Community Foundation. The fund advisors may recommend up to a total of \$850,000 in grant awards but may choose to award less than the amount available.

The mission of the Truckee River Fund is to protect and enhance water quality or water resources of the Truckee River or its watershed. To be considered for funding, project proposals must demonstrate measurable impact in accordance with this mission. To see projects funded by the Truckee River Fund, please go to <http://www.truckeeriverfund.org>.

Projects must begin within 180 days of award. Applicants must be registered 501(c)(3) nonprofit agencies, nonprofit educational institutions, or governmental entities. Grants are paid on a reimbursable basis for actual expenditures.

Please **submit 1 pdf copy¹ via email** of your proposal. Proposals are encouraged for the following:

- 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.²
- E. Other projects that meet the grant priorities listed on page 2.

Applicants must provide a minimum 25 percent match for funds requested. Guidelines for requests of matching funds are provided in the attached application form. For larger grant requests, priority will be given to projects that significantly leverage the grant with funding from other sources. Indirect/overhead expenses cannot exceed 25 percent.

Deadline for submitting your completed proposal is Friday, February 7, 2020, at noon. Applications must be confirmed as received by the Community Foundation of Western Nevada by the deadline to be considered for funding. For questions, additional information, or an electronic copy of the application, contact the Community Foundation. The application is also available online at www.truckeeriverfund.org.

The application may be reproduced, retyped, or sections increased or reduced in length but must follow the same order. Please use the following checklist to ensure your application is complete:

- ☐ Proposal, including Cover Sheet and narrative, is a maximum of 5 pages on 8 ½" x 11" paper in readable font (i.e. Times New Roman 12 pt.)
- ☐ Budget is page 6
- ☐ Pages are numbered
- ☐ You are submitting 1 pdf copy
- ☐ You have emailed the pdf to lrenda@nevadafund.org so it is received no later than **Friday, February 7, 2020, at noon**

Cover Sheet Page 1

¹ Note: Put your application page, budget, and any photos into ONE Pdf file. Submit your required attachments via email as individual files clearly labeled with your organization's name in the file name. Send your files to lrenda@nevadafund.org.

² For proposals related to weed control/eradication, contact Lauren Renda at the Community Foundation of Western Nevada for additional criteria: lrenda@nevadafund.org; 775-333-5499.



Grant Priorities

TMWA recommends that the Advisors give preference to well-prepared and thought out grant requests for projects and programs that mitigate substantial threats to water quality and the watershed, particularly those threats upstream or nearby treatment and hydroelectric plant intakes:

- I. **Aquatic Invasive Species (AIS):** Projects/Programs that support the prevention or control of aquatic invasive species in the main stream Truckee River, Lake Tahoe, other tributaries and water bodies in the Truckee River system.
- II. **Watershed Improvements:** Projects that reduce erosion or sediment, suspended solids, or TDS discharges to the River. Projects or programs that are located within 303d (impaired waters) sections of the River should be considered, both in California and Nevada. Innovative techniques should be encouraged.
- III. **Local Stormwater Improvements:** Projects that are well designed which mitigate storm water run-off due to urbanization of the local watershed. Priority should be given to those improvement projects in close proximity to TMWA's water supply intakes and canals and which will improve the reliability and protect the quality of the community's municipal water supply.
- IV. **Re-Forestation and Re-Vegetation Projects:** Projects to restore forest and upland areas damaged by fire and historical logging operations, and to improve watershed resiliency in drought situations. Projects/programs in this category should be given a high priority due to urbanization of the watershed and increased susceptibility of the urban and suburban watershed to wildfire.
- V. **Support to Rehabilitation of Local Tributary Creeks and Drainage Courses:** Practical projects to support water quality improvement in Gray Creek, Bronco Creek, Mogul Creek, Chalk Creek, Steamboat Creek and the North Truckee Drain.
- VI. **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.
- VII. **Meet Multiple Objectives:** Projects/Programs should identify opportunities to meet multiple water quality and watershed objectives as outlined above with preference given to those achieving multiple benefits.
- VIII. **Leverage Stakeholder Assets and Participation:** Projects/Program selection should include an assessment of various stakeholder interests in all aspects of river water quality, watershed protection, source water protection and species enhancement thereby leveraging available funds and other assets.



Cover Sheet

Date:

Organization Name:			
Type:	501(c)(3) EIN#	Governmental entity? Y/N	
Address:			
Project Name:			
Amount requested:		Website:	
This funding will be used to (complete this sentence with a max of 2 sentences):			
Key People:	Director:		
	Board Chair:		
	Project Contact:	Name:	
		Position:	
		Phone:	
		Fax:	
Email:			
Organization Mission:			
Has your organization received other grants from the Truckee River Fund? Yes No (use additional page if necessary)	If yes,		
	Date awarded:		
	Project title:		
	Amount of Award:		
	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.

NARRATIVE REQUIREMENTS

³ For proposals related to weed control/eradication, contact Lauren Renda at the Community Foundation of Western Nevada for additional criteria. lrenda@nevadafund.org; 775-333-5499.



Provide answers for all 11 sections below; use the numbers and topics (in **bold**) to label each section in your response. Your application is limited to 5 narrative pages, including the cover sheet. Your budget is page 6. **All projects are required to have measurable outcomes:**

1. **Specific project goals and measurable outcomes and how you will measure and report them.**
2. **Project location.**
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.
4. **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.
5. **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.
6. **Future land use.** List any known or foreseeable zoning, land use, or development plans that may affect your proposed project.
7. If **future phases** of the project will be needed, identify anticipated sources of funding.
8. **Principals involved** in leading or coordinating the project or activity.
9. Number of **staff positions involved** in project: Fulltime Part-time ("Fulltime" means 100% of their staff position will be dedicated to this project; "part-time" means only a portion of their staff position will be dedicated to this project)
10. Number of **volunteers involved** in project and an estimated number of volunteer hours.
11. **Time Line** of Project. List key dates and include project milestones. *Note:* Be realistic in your estimate of dates and milestones. List any factors that may cause a delay in implementing and/or completing the project.
12. **Success.** Tell the committee how we will know you succeeded in what you proposed to do.
13. **Collaboration.** List partnerships or collaborations with other entities in relation to your proposal, if any.
14. **Grant match.** All applicants must provide a match of at least 25 percent for dollars requested. The match may be with funding and/or in-kind services. For larger grant requests, priority will be given to projects that significantly leverage the grant with funding from other sources. Complete the Grant Match section.
15. **Project budget** (see Sample Budget Template on page 5 of this RFP). Provide detail on line-item expenditures and show which costs are to be paid for by the Truckee River Fund grant, which expenses will be paid for by other sources, and which will be paid for with in-kind services. Other sources of funding should be provided.
 - *Note 1:* Project budget must be a stand-alone, one-page attachment.
 - *Note 2:* Indirect/overhead expenses cannot exceed 25 percent.

Grants from the Truckee River Fund are paid on a reimbursable basis for actual expenditures only. Craft your budget in such a way that requests for reimbursement correspond to the original budget.



Grant Match

Match amount to be provided:		\$
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.	
	Match is:	
	Cash	\$
	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 ___	
Description of matching funds/in-kind donations:		

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:

- ☐ 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

Governmental entities submit:

- ☐ Departmental budget in lieu of audited financial statements



SAMPLE BUDGET TEMPLATE

ORIGINAL PROJECT BUDGET					REIMBURSEMENT REPORT	
Budget Item Description*	TRF \$	Other Funding Name**	Match \$	Total	Expenditures to date TRF	Expenditures to date (other sources)
Design/Engineering	\$xx,xxx	Agency X	-	\$xx,xxx	\$xx,xxx	
Permitting	\$xx,xxx	Agency X	\$x,xxx	\$x,xxx		\$x,xxx
Labor--paid	\$x,xxx	Agency X	\$x,xxx	\$x,xxx	\$x,xxx	
Labor--volunteer (\$20/hr)		Own people	\$xx,xxx	\$xx,xxx	\$x,xxx	
Construction	\$xx,xxx	Agency Y	\$xx,xxx	\$xx,xxx		
Materials	\$xx,xxx	Agency Y	\$xx,xxx	\$xx,xxx		
Other (be specific)	\$xx,xxx	Agency Y	\$xx,xxx	\$xx,xxx		
Overhead (max. 25%)	\$xx,xxx	Own agency	\$xx,xxx	\$xx,xxx		
TOTAL	\$xxx,xxx		\$x,xxx	\$xxx,xxx	\$xx,xxx	\$x,xxx
		**Explain status of other funding if not in hand.				
*These are sample descriptions.						
If project is to be implemented in phases, please separate budget into each phase.						
Indirect costs may not be counted as match.						



GRANTEE REQUIREMENTS

To be eligible for funding, grantees must adhere to the following requirements:

- Funds are to be used and/or disbursed exclusively for the charitable uses and purposes.
- The Fund shall be used exclusively for projects that protect and enhance water quality or water resources of the Truckee River, or its watershed.
- The Charitable Beneficiaries may include 501(c)(3) organizations and governmental entities. Any grants to governmental entities must be made exclusively for public benefit purposes.
- All grantees will be required to sign a grant agreement stipulating their agreement with all of the terms, conditions, and reporting requirements.
- Organizations or entities sponsoring proposals are prohibited from ex parte communications regarding such proposals with members of the Truckee River Fund Advisory Committee while such proposals are pending before the Committee, and such communications may be grounds for rejecting a proposal.
- To maintain eligibility to receive grant funds, each Charitable Beneficiary must comply at all times with the following requirements:
 1. Charitable Beneficiaries must be exempt from federal income taxation under Section 501(c)(3) of the Code;
 2. Charitable Beneficiaries shall use all Fund distributions toward projects that are appropriate and legal public expenditures;
 3. Charitable Beneficiaries must provide financial details and/or reports of their organizations upon request;
 4. Charitable Beneficiaries must not use any Fund distributions for political contributions or political advocacy;
 5. Charitable Beneficiaries must either implement the projects, activities, and/or programs for which they received Fund distributions within six months of the date in which such distributions are received or by date(s) as agreed upon in the grant acceptance agreement, or must return all such distributions to the Community Foundation forthwith;
 6. Charitable Beneficiaries must provide the Community Foundation a report detailing the completion of their projects, activities, and/or programs; and
 7. Charitable Beneficiaries must sign an agreement regarding their compliance with the qualifications hereof.

PROJECT EVALUATION

Each proposal will be evaluated on criteria that include but are not limited to:

- Measurable outcomes in accordance with stated grant priorities.
- Readiness of sponsoring organization to undertake and complete project.
- Consistency with established Truckee River operations.
- Impact on other River stakeholders.
- Absence of negative or unintended consequences.
- Solutions to known problems as identified through past research.
- Prior performance on grants from the Truckee River Fund.

The Nature Conservancy and Truckee River Watershed Council have conducted assessments of the Truckee River and the Donner Lake watersheds and have presented their findings to the Truckee River Fund advisory committee. The results of these assessments may influence the advisors' decision-making during proposal review. Copies of the assessments are available at www.truckeeriverfund.org.



**COMMUNITY
FOUNDATION**
of Western Nevada

TRUCKEE RIVER FUND
Enhancing and protecting our water resources



**TRUCKEE MEADOWS WATER
AUTHORITY**
QualihJ. Delivered.

Cover Sheet

Date: 1/27/2020

Organization Name:	Tahoe Rim Trail Association		
Type:	501(c)(3) EIN# 94-2789846		I Governmental entity? Y(N)
Address:	128 Market Street, Suite 3E Stateline, NV 89449		
Project Name:	Enhancing Water Quality Along the Tahoe Rim Trail in Tahoe City		
Amount requested: \$6,606	Website: TahoeRimTrail.org		
This funding will be used to (complete this sentence with a max of 2 sentences):		...reduce sedimentation of the Lower Truckee River near Tahoe City by replacing a failed culvert and implementing BMPs on and around the Tahoe Rim Trail.	
Key People:	Director:	Morgan Steel, Executive Director	
	Board Chair:	Dave Schnake, Board President	
	Project Contact:	Name:	Chris Binder
		Position:	Deputy Director
		Phone:	775.298.4494
		Fax:	N/A
		Email:	ChrisB@TahoeRimTrail.org
Organization Mission:	The mission of the Tahoe Rim Trail Association is to maintain and enhance the Tahoe Rim Trail system, practice & inspire stewardship, & preserve access to the natural beauty of the Lake Tahoe Region.		
Has your organization received other grants from the Truckee River Fund? Yes (No) (use additional page if necessary)	If yes,		
	Date awarded:		
	Project title:		
	Amount of Award:		
	Date awarded:		
	Project title:		
	Amount of Award:		
	Date awarded:		
	Project title:		
Amount of Award:			

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NARRATIVE REQUIREMENTS

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Enhancing Water Quality Along the Tahoe Rim Trail in Tahoe City

Truckee River Fund Grant Application

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

The goal of this project is to greatly reduce or eliminate snowmelt, storm event, and trail-user created erosion and subsequent discharge of sediment into the Lower Truckee River from an unnamed stream entering the south bank of the river. To achieve this goal the Tahoe Rim Trail Association (TRTA) is working in partnership with the Lake Tahoe Basin Management Unit (LTBMU) of the US Forest Service. The TRTA/LTBMU project team will utilize the following actions to achieve the desired project outcomes:

- 1) Replace a failed culvert on a stream entering the south side of the Lower Truckee River with one that is correctly sized for large storm events,
- 2) Utilize stone armoring (rip rap) to harden the banks of the stream and the immediately adjacent banks of the Lower Truckee River, and
- 3) Construct a sustainable trail tread for the Tahoe Rim Trail such that trail users will not contribute to erosion at this location.

These three actions can be measured and reported on by the project team to ensure that the overall goal has been met. Specifically, the project team will produce engineering documents that establish the correct size of the culvert needed to accommodate previously unconsidered storm events. This will ensure that the new culvert does not fail in a large storm event as the previous one did. In addition, the project team will install at least 400 square feet of stone armoring (rip rap) on the banks of the stream and the Lower Truckee River that will ensure this stream crossing and discharge area do not discharge sediment into the river. Finally, the project team will rebuild the trail crossing the culvert to established US Forest Service Class Three trail standards. This will ensure that the trail and its users do not cause erosion or contribute sediment to the stream or river at this location. The amount of sediment that has already eroded away can be estimated by the size of the current ditch, which is approximately 5'x12'x40' or 2,400 cubic feet of material. Future erosion post-implementation can also be estimated and compared to demonstrate erosion has been eliminated or significantly reduced. The project team will report on project outcomes through text and photographs that document and describe the project in detail.

2. Project location.

This project is located in Placer County, California adjacent to the south bank of the Lower Truckee River, approximately 1,000 feet downstream from the new Highway 89 bridge in Tahoe City. Project coordinates are 39.162179, -120.151985. Please refer to included map.

3. Project description.

The project seeks to remedy a source of erosion on the south bank of the Lower Truckee River where the Tahoe Rim Trail follows a closed Forest Service road. In years past at this location a culvert had been installed to support the road/trail surface and transmit a stream. This stream originates near Page Meadows and flows strongly in the spring but in most years is reduced to a trickle or completely dry by mid-summer. At some point, likely in mid-1990s, the culvert became occluded and was no longer able to transmit water. At that time the stream began to cut a new channel slightly to the east of its original location, eventually creating a ditch approximately 12' across and 5' deep which is growing in size each year as it erodes



further. Without action, this ditch will continue to grow during each spring melt, each storm event, and from the physical action of every trail user who loosens soil as he/she climbs down into and back out of the steep sides of the ditch. This location is perhaps the most significant single point of erosion on the entire 200+ mile Tahoe Rim Trail system, and discharges directly into a sensitive waterway.

4. **Grant priorities.**

The proposed project advances priority II. Watershed Improvements by reducing streambank erosion and sediment discharge directly into the Lower Truckee River. Streambank erosion and associated sediment discharge are currently occurring during spring melt and during and following snow and rain events. In addition, trail users are contributing to erosion and sediment discharge as they negotiate their way through the ditch that the trail has become. This project will utilize a culvert and stone armoring (rip rap) to harden the eroding surfaces and reestablish a sustainable trail tread, greatly reducing or eliminating erosion and sediment discharge at this source.



Looking downstream from the Tahoe Rim Trail towards the Lower Truckee River

5. **Permitting.**

No permitting is required as the project is replacing and improving existing infrastructure.

6. **Future land use.**

There are no foreseeable changes in the use of the area immediately surrounding the project site. The Tahoe Rim Trail has been in place in this location for about 30 years and is likely to remain there in perpetuity.

7. **Future phases.**

This project is scheduled to be undertaken in a single phase during the 2020 field season.

8. **Principals involved.**

This project was initiated by staff and volunteers of the TRTA seeking a way to minimize the natural resource impacts of the trail and to improve trail user safety and the trail experience in this location. Chris Binder, Deputy Director, and Jim Crompton, Segment Coordinator and former TRTA Board Member, evaluated the project site and developed several solutions. The TRTA requested assistance from the land owner, the LTBMU, and worked closely with Jacob Quinn, Engineering Technician, and Mike Gabor, Staff Officer, to develop these alternatives into a workable plan. The collaboration also produced a budget and timeline for the project. Chris Binder and Jacob Quinn are responsible for administration of this project, and Jacob



Quinn will be responsible for field supervision of equipment operators during project implementation.

9. Number of staff positions involved.

Chris Binder, Deputy Director of the TRTA, will work part-time on this project, contributing approximately 16 hours to administering the project. This time will be spending on material procurement, site visits, and financial management. TRTA is responsible for purchasing all of the materials required for this project.

Five positions from the LTBMU will work part-time on this project in various capacities including project design, engineering, and administration, equipment operation, and field supervision. The LTBMU is responsible for project engineering and implementation.



Looking upstream from the Tahoe Rim Trail away from the Lower Truckee River

10. Number of volunteers involved.

This project requires heavy equipment to implement and is therefore unsuitable for volunteers. No volunteer involvement is expected in this project, though the trail and the culvert will be maintained by volunteers for the TRTA in perpetuity.

11. Timeline of project.

Following two years of planning, this project is scheduled for implementation in 2020. Final design and engineering work will be completed by the LTBMU in the spring and early summer. TRTA will purchase the necessary materials (outlined in the attached budget) in mid-summer, and project implementation will occur over the course of 1 or 2 days in late summer or early fall. Project reporting will occur upon completion, and monitoring and maintenance will be ongoing in perpetuity via annual inspections.

12. Success.

Success for this project will be defined by whether or not the project team completes the actions outlined in question 1 above. If a properly sized culvert and adequate stone armoring (rip rap) are installed and a trail built to US Forest Service Class Three standards is constructed, and little or no erosion is observed, the project will be considered a success.

13. Collaboration.

This project is the result of a collaborative partnership between the TRTA and the LTBMU.

14. Grant match.

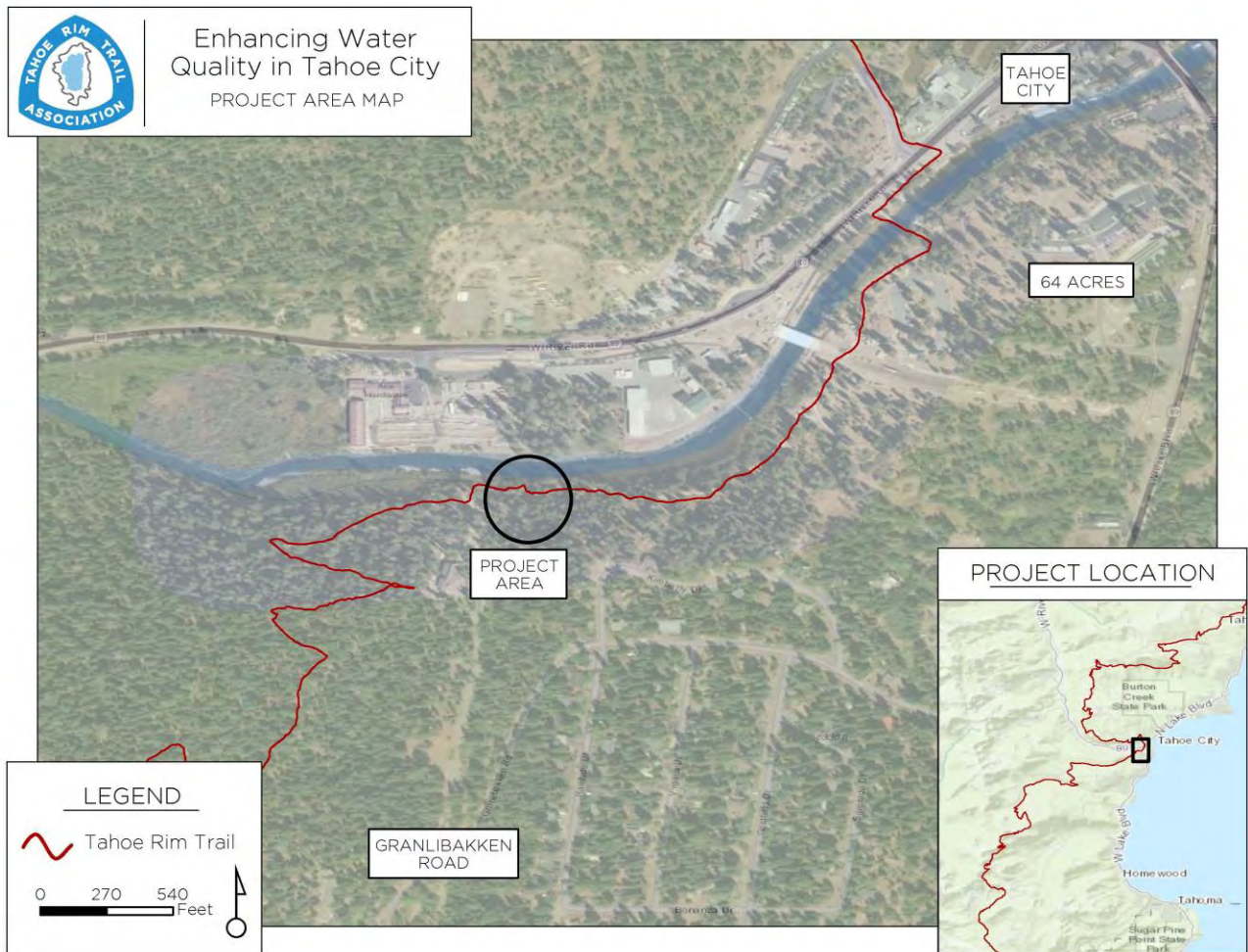


The TRTA proposes to meet and exceed the 25% minimum match for this grant request with in-kind services provided by the LTBMU and TRTA. As detailed in the attached budget, the TRTA will provide the services of Chris Binder, Deputy Director, in an administrative capacity to purchase required materials, review and make recommendations on the proposed engineering solution, and to document and report on the project from planning through implementation and subsequent monitoring. This service comes in addition to the dozens of hours of time that Mr. Binder has already contributed to this project over the past two years in documenting the existing site, developing alternative solutions, and meeting with LTBMU partners to develop the project.

The LTBMU will provide the services of several employees, as well as the heavy equipment needed to implement the project. LTBMU staff will administer their portion of the project, finalize the design and engineering solutions, and spend time in the field installing the materials and executing the project. This in-kind contribution comes in addition to the dozens of hours LTBMU staff have already spent on site visits, partner meetings, and project planning to date.

15. Project budget.

Please see the attached budget.



Enhancing Water Quality Along the TRT in Tahoe City Budget Detail			
<i>Project Expenses:</i>	<i>TRF Request</i>	<i>Established Match</i>	<i>Total Item/Project Costs</i>
Personnel			
Lake Tahoe Basin Management Unit: Project Design, Engineering, and Administration	\$0.00	\$1,000.00	\$1,000.00
Tahoe Rim Trail Association: Project Administration	\$0.00	\$750.00	\$750.00
Lake Tahoe Basin Management Unit: Equipment Operators Staff Time	\$0.00	\$3,000.00	\$3,000.00
Materials			
Aluminized Culvert	\$2,500.00	\$0.00	\$2,500.00
Aluminized Culvert Aprons (2)	\$1,000.00	\$0.00	\$1,000.00
Road Base Fill Material	\$1,500.00	\$0.00	\$1,500.00
Rip Rap Armoring Material (BMPs)	\$1,000.00	\$0.00	\$1,000.00
Other Costs			
TRTA Vehicle Costs (\$.58/mile for 200 miles)	\$116.00	\$0.00	\$116.00
TRTA Indirect Costs			
Rent, utilities, etc. (~8%)	\$490.00	\$0.00	\$490.00
Totals:	\$6,606.00	\$4,750.00	\$11,356.00



Grant Match

Match amount to be provided: <u>1</u> \$ \$4,750					
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> <table border="1"> <tr> <td>Cash</td> <td>\$</td> </tr> <tr> <td>In-kind</td> <td>\$ \$4,750</td> </tr> </table> <p>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.</p> <p>For the cash portion of your match, is the funding already being held by the applicant for this project? Y e s _ N o _</p>	Cash	\$	In-kind	\$ \$4,750
Cash	\$				
In-kind	\$ \$4,750				
Description of matching funds/in-kind donations:	<p>The TRTA proposes to meet and exceed the 25% minimum match for this grant request with in-kind services provided by the LTBMU and TRTA. As detailed in the attached budget, the TRTA will provide administrative services to purchase required materials, review and make recommendations on the proposed engineering solution, and to document and report on the project. The LTBMU will provide the services of several employees, as well as the heavy equipment needed to implement the project. LTBMU staff will administer their portion of the project, finalize the design and engineering solutions, and spend time in the field executing the project.</p>				

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:

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

Governmental entities submit:

- D** Departmental budget in lieu of audited financial statements



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Cover Sheet

Date: January 30, 2020

Organization Name:	Sierra Nevada Journeys		
Type:	501(c)(3) EIN#01-0881587	Governmental entity? No	
Address:	190 E. Liberty Street, Reno NV 89501		
Project Name:	Watershed Education Initiative for the Urban Truckee River Corridor		
Amount requested: \$37,200	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. The program will significantly increase student, teacher and parent engagement to increase the long-term sustainability of the Truckee River, thereby fostering water quality protection of the primary water source for our community.		
Key People:	Director:	Eaton Dunkelberger, CEO	
	Board Chair:	Shane Tucker	
	Project Contact:	Name:	Sean Hill
		Position:	Education Director
		Phone:	775-355-1688
		Fax:	775-329-1689
		Email:	sean@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:	October 2019	
	Project title:	Watershed Education Initiative	
	Amount of Award:	\$37,200	
	Date awarded:	April 2019	
	Project title:	Watershed Education Initiative	
	Amount of Award:	\$36,207	
	Date awarded:	October 2018	
	Project title:	Watershed Education Initiative	
	Amount of Award:	\$36,207	

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 Western Nevada for additional criteria. lrenda@nevadafund.org; 775-333-5499.



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

During the past nine years, Sierra Nevada Journeys' (SNJ) Watershed Education Initiative (WEI) has impacted over 8,000 students and over 500 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 spring 2020 through WEI, we will successfully meet the following objectives:

Outputs	Outcomes
<p>Deliver WEI to 575 K-8th grade students specifically from along the urban Truckee River corridor</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.</p> <p>64 parents and community members volunteer for the program and serve 192 educational service hours.</p> <p>Provide 21 teachers with WEI extension lessons.</p>	<p>80% of students can correctly identify, label, and diagram the Truckee River Watershed.</p> <p>70% of students will use knowledge of storm drains to describe how individuals and communities can protect watersheds.</p> <p>70% of students will define what happens to rainwater and associated non-point source pollutants after they enter a storm drain.</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>

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 designed the assessment tool.

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

- 2. Project location** During Spring 2020, the three main field sites for this program will be located through and downstream of the urban corridor of the Truckee River; Mayberry Park, 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 that are impacted by urban growth and development.
- 3. Project description. Why WEI?** A recent study from The Nature Conservancy reveals that students who have had a personal experience in nature are:



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- Significantly more likely to express concern about water pollution, air pollution, global warming, 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

Unfortunately, the study also notes that these personal experiences are increasingly uncommon reporting that, “The vast majority of today’s children use a computer, watch TV, or play video games on a daily basis, but only about 10 percent say they are spending time outdoors every day.” Through WEI, SNJ strives to provide local youth with opportunities to have a meaningful experience outdoors, thereby increasing their likelihood to value nature, engage with it, and feel empowered to care for it.

Through this funding, SNJ will serve 575 students in 21 classrooms within 10 miles of the urban corridor of the Truckee River. Conducted over a four-week period, WEI includes three 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 three in-class lessons (4.5) hours of engaging instruction. Students participate in hands-on lessons that incorporate the Truckee River watershed, the water cycle, 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.

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:

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>



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- 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. Sean Hill, SNJ's Education Director, will oversee the implementation of WEI. Sean is a former science teacher and holds a Bachelor of Science degree from Montana State University and a Master of Science degree in Human Dimensions of Natural Resources from Colorado State University. His passion for outdoor science education was inspired by his service as a Graduate Fellow for the Walking Mountains Science School in Avon, Colorado, and from his time spent as a science teacher in the inner-city during his service with Teach For America.

9. Number of **staff positions involved** in project: Fulltime **4** Part-time **6**

10. Number of **volunteers involved:** **64** volunteers (including field educators and parent volunteers) will donate **192** volunteer hours during WEI's field-study portion of the program, increasing parents and community member access to watershed education.

11. **Time Line of Project.**

Deliverables	2020					
	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 575 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.**



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Quality. Delivered.

Outputs

Tracking

Deliver watershed education to 575 K-8th grade students from throughout northern Nevada.

All students receive first-hand experience with the local watershed through a field-study on the Truckee River or one of its tributaries.

64 parents and community members volunteer for the program and serve 192 service hours.

Provide 21 teachers with WEI extension lessons.

Internal SNJ database – Updated regularly throughout the year

Outcomes

Tracking

80% of students can correctly identify, label, and diagram the Truckee River Watershed.

70% of students will use knowledge of storm drains to describe how individuals and communities can protect watersheds.

70% of students will define what happens to rainwater and associated non-point source pollutants after they enter a storm drain.

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.

Pre- and post-assessments – reviewed after the end of each program and presented in report at end of grant period

Teacher surveys

13. Grant Match

Match amount to be provided:		\$8,168 (25% of requested funds)	
Match details:	Match is:		
	Cash	\$6,251	
		\$1,917	
	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:	In-kind match provided by field educator volunteers and parent volunteer hours.		



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14. Project Budget
Watershed Education Initiative (WEI) Budget

Item	Description	Cost per Student	Total	SNJ Match	Request
Education Personnel	Education Instructors, Program Directors and Coordinators	\$ 46	\$ 26,715	\$ 0	\$ 26,715
Direct Program Expenses: Supplies and Operating	Direct program expenses, including: program and field day supplies, printing and paper, uniforms, etc.	\$ 5	\$ 3,105	\$ 0	\$ 3,105
Direct Program Expenses: Educator Transportation	Transportation for educators	\$ 2	\$ 1,093	\$ 0	\$ 1,093
Direct Program Expenses: Student Transportation	Bus transportation for field days	\$ 3	\$ 1,535	\$ 1,535	\$ 0
Occupancy Expense	Rent and utilities	\$ 3	\$ 1,445	\$ 1,445	\$ 0
Volunteers	Parent Chaperones for field days	\$ 3	\$ 1,917	\$ 1,917	\$ 0
Administration Cost	Marketing, office supplies, postage, outside printing services, internet and telephone	\$ 6	\$ 3,272	\$ 3,272	\$ 0
		\$ 68	\$ 39,080	\$ 8,168	\$ 30,912

from the

*Truckee River Watershed Council***Coldstream Canyon Sediment Reduction Project**

Organization Name:	Truckee River Watershed Council																				
Type: Non-Profit	501(c)(3) EIN# 91-1818748	Governmental entity? No																			
Address:	P.O. Box 8568, Truckee, CA 96162																				
Project Name:	Coldstream Canyon Sediment Reduction Project																				
Amount requested: \$50,000	Website: www.truckeeriverwc.org																				
This funding will be used to (complete this sentence with a max of 2 sentences):	This project will reduce sediment loading in key tributaries to the Truckee River in California. Restoration of dirt road networks will support the Truckee River TMDL by reducing excess sedimentation, improving hydrologic connectivity and watershed functionality																				
Key People:	Director:	Lisa Wallace																			
	Board Chair:	Michael Park																			
	Project Contact:	Name:	Eben Swain																		
		Position:	Program Manager																		
		Phone:	530-550-8760, 7#																		
		Fax:	NA																		
		Email:	eswain@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, <table border="1"> <tr> <td>Date awarded:</td> <td>October, 2019</td> </tr> <tr> <td>Project title:</td> <td>Truckee River Invasive Species Control Project</td> </tr> <tr> <td>Amount:</td> <td>\$19,250</td> </tr> <tr> <td>Date awarded:</td> <td>March, 2019</td> </tr> <tr> <td>Project title:</td> <td>McIver Dairy Meadow Restoration Project</td> </tr> <tr> <td>Amount:</td> <td>\$161,000</td> </tr> <tr> <td>Date awarded:</td> <td>March 2018</td> </tr> <tr> <td>Project title:</td> <td>Truckee Meadows Restoration Project – Phase 2 Construction</td> </tr> <tr> <td>Amount:</td> <td>\$30,000</td> </tr> </table> Please see Attachment A for a full list of awarded grants			Date awarded:	October, 2019	Project title:	Truckee River Invasive Species Control Project	Amount:	\$19,250	Date awarded:	March, 2019	Project title:	McIver Dairy Meadow Restoration Project	Amount:	\$161,000	Date awarded:	March 2018	Project title:	Truckee Meadows Restoration Project – Phase 2 Construction	Amount:	\$30,000
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Amount:	\$30,000																				

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.

*Truckee River Watershed Council***Coldstream Canyon Sediment Reduction Project**

1. **Specific project goals and measurable outcomes and how you will measure and report them.** The goal of the Coldstream Canyon Sediment Reduction Project is to improve water quality by restoring actively eroding road networks and associated stream crossings that are contributing excess sediment to the Truckee River. To achieve this goal, we will implement the following objectives:
 - 1) implement drainage improvements on primary roads to restore hydrologic connectivity;
 - 2) obliterate and restore un-needed road spurs and;
 - 3) incorporate vegetation, seed, and mulch to improve soil health and enhance habitat.

The Middle Truckee River watershed is listed under the Clean Water Act (303)d as impaired for sediment by the U.S. EPA, with an approved TMDL (Lahontan Water Board, 2008). The Truckee River is the primary source for delivering water supply for the Reno/Sparks metropolitan area via the Truckee Meadows Water Authority.

Specific outcomes of the proposed project will be to implement restoration actions on dirt roadways that are contributing high sediment loading to the Truckee River. We will accomplish the following work tasks:

- Treat 3.5 miles of roadway to reduce sediment delivery and erosion potential
- Decommission one mile of unnecessary road spurs
- 45 tons of sediment per year eliminated
- Improved hydrologic connectivity and habitat within the Coldstream Canyon watershed.

We will know we are successful when the targeted priority sites have been restored and erosion reduction is confirmed through post-project sediment reduction estimates.

2. **Project location.** Please see attached location map(s).
3. **Project description.**

Plans and previous work related to this project. In 2007 the Truckee River Watershed Council (TRWC) conducted the Coldstream Canyon Watershed Assessment (CCWA - TRWC 2007). This comprehensive assessment includes data review and field assessments, creation of an inventory of sediment sources, and defines opportunities to reduce fine sediment transfer to Cold Creek and to the Truckee River while restoring geomorphic processes within the CCWA. The full assessment document is available for review [HERE](#).

In 2018 TRWC hired a design/engineering consultant team to conduct additional field surveys to identify specific areas of erosion hot-spots within the California Department of Parks & Recreation (CDPR) road network and to prescribe treatment recommendations for those areas in need of maintenance and/or restoration. Over half of the roads surveyed were designated as being in poor or degraded condition and in need of restoration actions to reduce erosion and sediment transfer into nearby waterways.

In 2019 TRWC and CDPR developed additional prescriptive actions to reduce sedimentation, including drainage improvements, road decommissioning, and restoration of stream/road intersections. Engineered design plan sets were developed for areas where road/stream intersections are present and these plan sets will guide restoration actions.

All surveys and prescription documents are available to be provided for review upon request.

*Truckee River Watershed Council***Coldstream Canyon Sediment Reduction Project**

Leveraging additional funding. TRWC, in partnership with CDPR, has received \$648,906 in grant funds from the California State Water Resources Board to implement prescription treatments and sediment reduction/habitat restoration activities on sites identified in the in CCWA. Funding provided by the Truckee River Fund will substantially increase the amount of work completed.

The problem. An example of the problem is seen in the attached photos. Dirt road networks capture the flow of rain and snowmelt and create a concentrated flow path, rather than allowing water to disburse and infiltrate. Poor construction of roads directs water, heavy sediment loads, and associated pollutants into the Truckee River. Similar conditions exist within the 13 miles of dirt roadways inventoried in 2018 and 2019.

Treating roads and restoring stream channels. This project will implement restoration actions in areas that have been identified as heavy sediment contributors to the Truckee River. Funding provided by the Truckee River Fund will treat 3.5 miles of dirt road and associated stream crossings and will fully decommission 1 mile of existing dirt roadway. These activities will result in an estimated sediment reduction of 45 tons per year and will improve watershed functionality within the entire watershed. Restoration activities include minor grading, decommissioning of unneeded roads and revegetation/mulching.

4. Grant priorities. The project addresses:

Watershed Improvements: The project will decrease sedimentation and support attainment of the 303(d) listed TMDL pollutant to Truckee River. This project also enhances watershed function and habitat within the Middle Truckee watershed by improving drainage and hydrologic connectivity and by decommissioning and restoring unneeded dirt road areas.

Local Stormwater Improvements: Extensive road networks within the watershed have led to an increase in stormwater and associated pollutants entering into the Truckee River. The project will mitigate the negative effects of stormwater and allow for increased connectivity and on-site infiltration.

Support to Rehabilitation of Local Tributary Creeks and Drainage Courses: The project will restore road systems adjacent to key tributaries of the Truckee River, improve watershed function, and reduce sediment transfer to the tributaries, as well as to the main stem of the Truckee River.

Meet Multiple Objectives: The project meets the three objectives listed above. The project also benefits meadow, riparian, and in-stream habitat, and the fish and wildlife using those habitats.

Leverage Stakeholder Assets and Participation: Stakeholder prioritization of sediment reduction associated with dirt road systems is documented in the CCWA (TRWC 2007) and in the Truckee River TMDL (LRWQCB, 2008).

5. Permitting. The proposed work that falls within the existing road prism is deemed maintenance/improvements according to CDPR management guidelines. The proposed work for stream/road intersections will require additional regulatory permits from the Regional Water Quality Control Board (401/NPDES) and from California Department of Fish and Game (1600 LSA Agreement). TRWC and CDPR will secure all necessary permits for project implementation.

Coldstream Canyon Sediment Reduction Project

6. **Future Land Uses.** Work tasks completed through this project are located within the boundaries of Donner Memorial State Park on land owned by CDPR. CDPR maintains and manages the land for multiple-use benefits including recreational access, habitat preservation and ecosystem functionality. The properties owned by CDPR are expected to be maintained and managed for these resource benefits into perpetuity.
7. **If future phases of the project will be needed, identify anticipated sources of funding.** TRWC and CDPR will continue to pursue funding opportunities to achieve sediment reduction through road improvements and restoration activities. Potential funding sources will include the State of California, private foundations and donors of TRWC.
8. **Principals involved** in leading or coordinating the project or activity. Eben Swain will be the lead from TRWC with managerial and administrative support from Lisa Wallace.
9. **Number of staff positions involved in project:** (Part-time) Eben Swain and Lisa Wallace (TRWC) and will dedicate a portion of their time to this project.
10. **Number of volunteers involved in project and an estimated number of volunteer hours.** Volunteers will assist with revegetation of the stream channels and decommissioned roads including re-seeding and mulching. 10 volunteers will contribute a total of 45 hours of volunteer time.
11. **Time Line.**

Task	Start Date	Completion Date
Stakeholder Coordination	March 2020	September 2021
Contractor Hiring/Bid Documents	March 2020	April 2020
Permits	February 2020	June 2020
Construction/Restoration	August 2020	October 2020
Project Monitoring/Sediment Reduction Analysis	October 2020	September 2021
Project Management and Reporting	March 2020	September 2021

12. **Success.** Post- project analysis will confirm sedimentation reduction. Additionally, we will know we are successful when we have completed the road and restoration work.

13. **Grant match.**

Match amount to be provided:		\$12,500
Match details:	Match is:	
	Cash	\$12,500
	For the cash portion of your match, is the funding already being held by the applicant for this project? Yes	
Description of matching funds/in-kind	The matching funds are from the California State Water Resources Control Board, <i>Pin No. 43543: Coldstream Canyon Sediment Reduction and Wetland Rehabilitation Project</i> , for \$648,906	

Coldstream Canyon Sediment Reduction Project

donations:	<p>Matching funds are allocated for design, treatment of dirt roads and associated stream channels, and permitting. TRWC will manage funds provided by the Water Board and by the Truckee River Fund to ensure maximum project efficiency and cost effectiveness.</p>
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ATTACHMENTS

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

Nonprofits submit:

- ☒ 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

Grant application to the *Truckee River Fund*

#231

from the

*Truckee River Watershed Council***Coldstream Canyon Sediment Reduction Project****BUDGET**

ITEM	TRF \$	OTHER FUNDING NAME	MATCH \$	TOTAL
Project management/reporting, Stakeholder coordination, Project Monitoring	\$8,500			\$1,200
Construction/Restoration	\$41,500	California State Water Resources Control Board	\$12,500	\$12,500
Totals:	\$50,000		\$12,500	\$62,500

Truckee River Watershed Council –
Coldstream Sediment Reduction Proposal:
Project Photos

Photo Documentation of erosive roads and stream crossings contributing sediment to nearby waterways – Coldstream Canyon Roads Inventory 2018



Photos (above) of steep dirt roadways in upper watershed without proper drainage contributing excess sedimentation to nearby waterbodies.



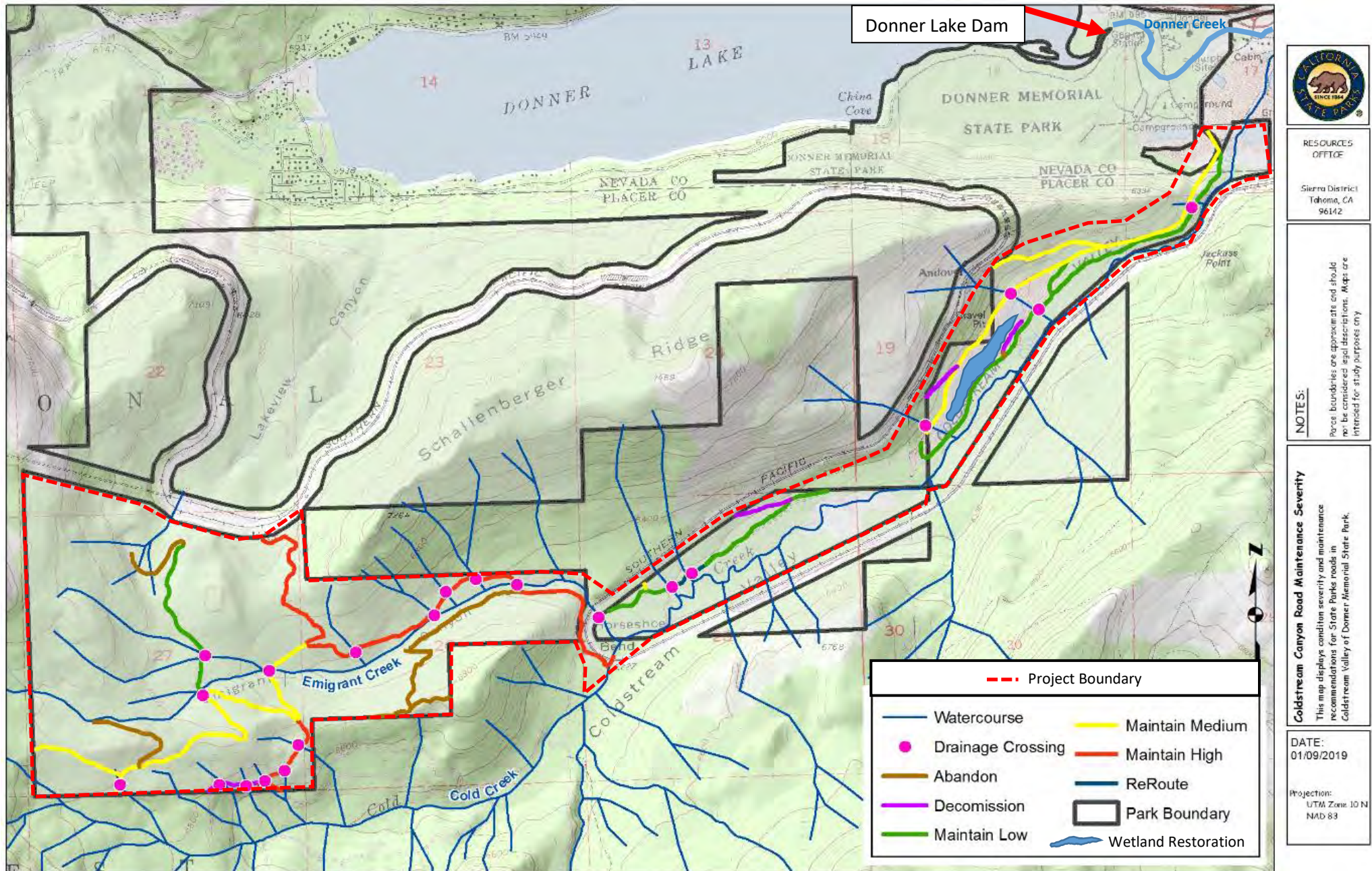
Heavy erosion causing rills and gullies along untreated roadway.



Example of stream/road intersection in need of restoration.

Truckee River Watershed Council –
Coldstream Sediment Reduction Proposal:
Project Location and Map Document

Extent of road restoration and drainage improvements assessed and inventoried in Coldstream Canyon



Truckee River Watershed Council –
Sediment Reduction Proposal:
California Department of Parks & Recreation
Letter of Support



California State Water Resources Control Board
1001 I Street
Sacramento, CA 95814

December 6, 2018

To Ann Holden, Lahontan Regional Water Quality Control Board:

Re: Coldstream Canyon Sediment Reduction and Wetland Rehabilitation Project

This letter is to inform you of our support for the Truckee River Watershed Council's (TRWC) grant application for the project referenced above. California State Parks anticipates working closely with the Watershed Council in our established partnership on all aspects of project management, oversight and implementation.

Coldstream Canyon has been identified as a significant source of NPS sediment. Dirt road areas and legacy sites in Coldstream Canyon have been determined to be significant contributors of excess sedimentation to the Truckee River. We look forward to improving the water quality and enhancing wetland/riparian habitat within Coldstream Canyon.

We support the improvements to dirt road areas to restore hydrologic connectivity and reduce sediment transfer into nearby waterbodies. We also support the restoration of legacy gravel mining ponds to enhance wetland and riparian habitat in Donner Memorial State Park. In addition to the habitat benefits realized, wetland rehabilitation will also serve to capture sediment and to filter and treat water, improving water quality in attainment of the Truckee River TMDL.

Management of the project area within State Parks land will be both for visitor use and for natural resource values. Improvements made to existing dirt road areas and areas of wetland/riparian rehabilitation will be managed and maintained by State Parks staff in accordance with the standards established by California Department of Parks and Recreation.

We recognize the Watershed Council to be a reliable partner in implementing restoration activities and support the Council's initiative to continue to identify and restore high priority sites that are causing detrimental impacts to the regions habitat and water quality. For these reasons, we encourage your support of the Truckee River Watershed Council and the proposed restoration actions in this application.

Sincerely,

Cynthia Walck
CA State Parks Engineering Geologist
Sierra District
PO Box 266
Tahoma CA 96142
530 523 3041

**Originally submitted for successful
proposal to conduct roads and
wetland restoration to the CA State
Water Board: 319h funding**



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of Western Nevada

TRUCKEE RIVER FUND
Enhancing and protecting our water resources



Cover Sheet

Date: 1/27/2020

Organization Name:	Truckee Donner Land Trust																				
Type:	501(c)(3) EIN# 68-0245327	Governmental entity? Y/N No																			
Address:	10069 West River Street, Truckee, CA 96161																				
Project Name:	Truckee Springs Open Space Trail Planning																				
Amount requested: \$25,000	Website: www.truckeedonnerlandtrust.org																				
This funding will be used to (complete this sentence with a max of 2 sentences):		Help fund the acquisition of 26 acres of Truckee Riverfront open space in the Truckee downtown core.																			
Key People:	Director:	Perry Norris																			
	Board Chair:	Jeff Brown																			
	Project Contact:	Name:	John Svahn																		
		Position:	Associate Director																		
		Phone:	530-582-4711																		
		Fax:	530-582-5528																		
		Email:	John@tdlandtrust.org																		
Organization Mission:	To preserve and protect scenic, historic and recreational lands with high natural resource values in the Truckee Donner region and manage recreational activities on these lands in a sustainable manner																				
Has your organization received other grants from the Truckee River Fund? Yes	If yes, <table border="1"> <tr> <td>Date awarded:</td> <td>3/30/2018</td> </tr> <tr> <td>Project title:</td> <td>Cold Stream Meadow Road Decommissioning and Restoration Project</td> </tr> <tr> <td>Amount of Award:</td> <td>\$65,000</td> </tr> <tr> <td>Date awarded:</td> <td>9/23/2016</td> </tr> <tr> <td>Project title:</td> <td>Webber Lake Little Truckee River Headwaters Management</td> </tr> <tr> <td>Amount of Award:</td> <td>\$75,000</td> </tr> <tr> <td>Date awarded:</td> <td></td> </tr> <tr> <td>Project title:</td> <td></td> </tr> <tr> <td>Amount of Award:</td> <td></td> </tr> </table>			Date awarded:	3/30/2018	Project title:	Cold Stream Meadow Road Decommissioning and Restoration Project	Amount of Award:	\$65,000	Date awarded:	9/23/2016	Project title:	Webber Lake Little Truckee River Headwaters Management	Amount of Award:	\$75,000	Date awarded:		Project title:		Amount of Award:	
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	Amount of Award:	\$75,000																			
	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.

NARRATIVE REQUIREMENTS

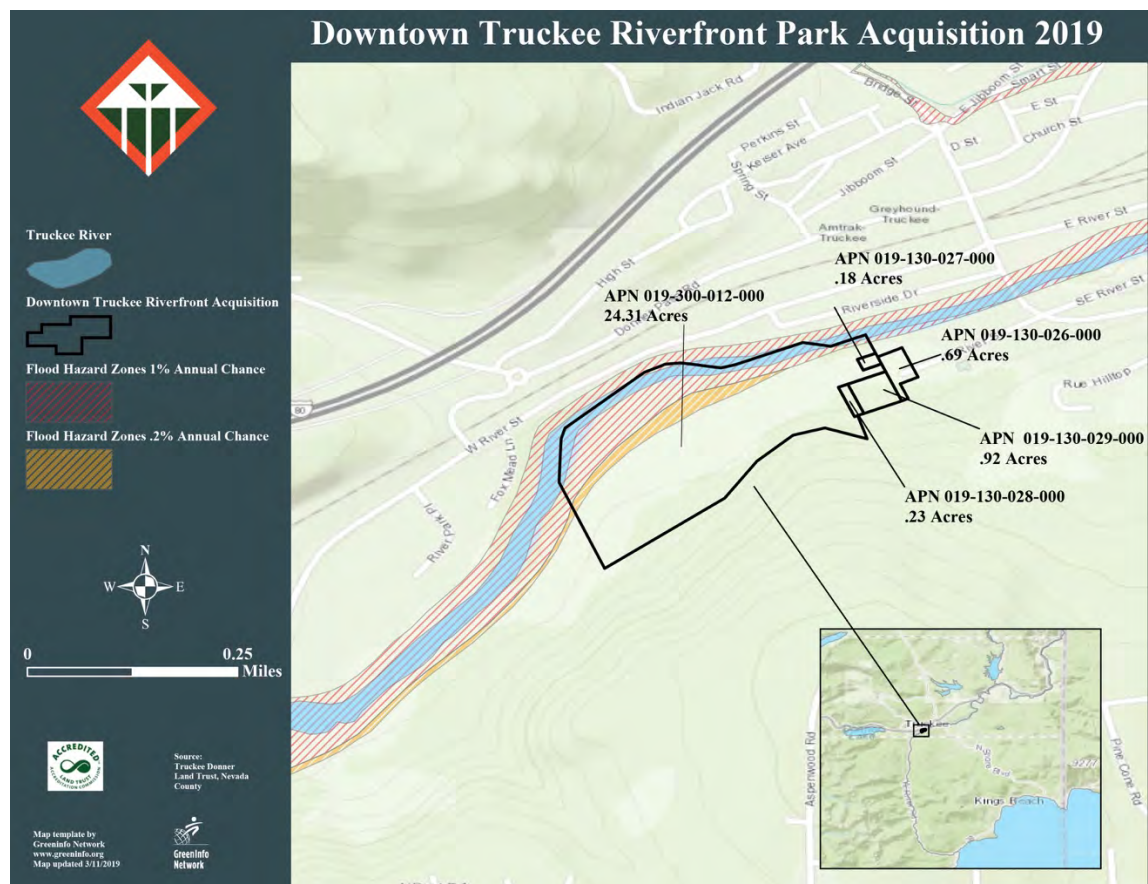
³ For proposals related to weed control/eradication, contact Lauren Renda at the Community Foundation of Western Nevada for additional [criteria. lrenda@nevadafund.org](mailto:lrenda@nevadafund.org); 775-333-5499.

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

The goal of the Truckee Springs Open Space Trail Planning Project is to protect the natural resources and manage public access on Truckee Springs through the planning and design of sustainable trails and Truckee River access points. Truckee Springs is a 26-acre property on the south bank of the Truckee River in Downtown Truckee, soon to be acquired by the Truckee Donner Land Trust. The property will be very popular for open space and river access. The careful planning and construction of trails, decommissioning of user-created trails and the overall management of access will be important to protecting the Truckee River from erosion. Measurable outcomes of the project are designed and permitted trails and public access points that balance high volumes of recreational access with protection of the river and riparian corridor. Reporting will be on the completion of the planning and permitting. The Land Trust will construct the trails soon after the property is acquired in 2021.

2. Project Location

The project is located in downtown Truckee on the south bank of the Truckee River, encompassing roughly 26 acres of flood plain west of South River Street. It is a portion of the last remaining undeveloped land within Truckee's urban core.



3. Project description

The project consists of trails and access planning for a 26-acre open space acquisition that will protect vital open space and wildlife habitat in the Truckee River corridor, and allow public access along the Truckee River in the Downtown Truckee Core. The trails will be designed to sustainable grades while minimizing land disturbance and impervious areas. Once designed, the trails will be incorporated into a larger permit document including the construction of the Truckee River Legacy Trail Phase 4 and the new pedestrian bridge over the Truckee River, as proposed by the Town of Truckee. Combining resources with the Town should save money in the design and permitting phases as well as save time.

The property contains multiple springs and a pond that feed into the Truckee River, as well as an aspen groves and riparian vegetation. It is the last remaining open space in downtown Truckee that links the Truckee River to thousands of acres of protected U.S. Forest Service and California Department of Fish and Wildlife lands. Much of the property is within the flood plain of the river, and is characterized by sage and other brush, with the aforementioned stands of willow, alder, aspen and pine.

A network of sustainable trails and river access points is critical to the acquisition as heavy use by the public is certain. The property and its trails will provide the only public access to the river in downtown Truckee and contain a portion of the town's premier multi-use paved trail – the Truckee River Legacy Trail – that will connect Glenshire to Donner Lake. The Legacy Trail is a portion of the Tahoe Pyramid Trail, linking Lake Tahoe with Truckee and Reno. Aside from river access and the multi-use paved trail, the property will serve as Truckee's hub for trail recreation, linking with numerous popular trails.

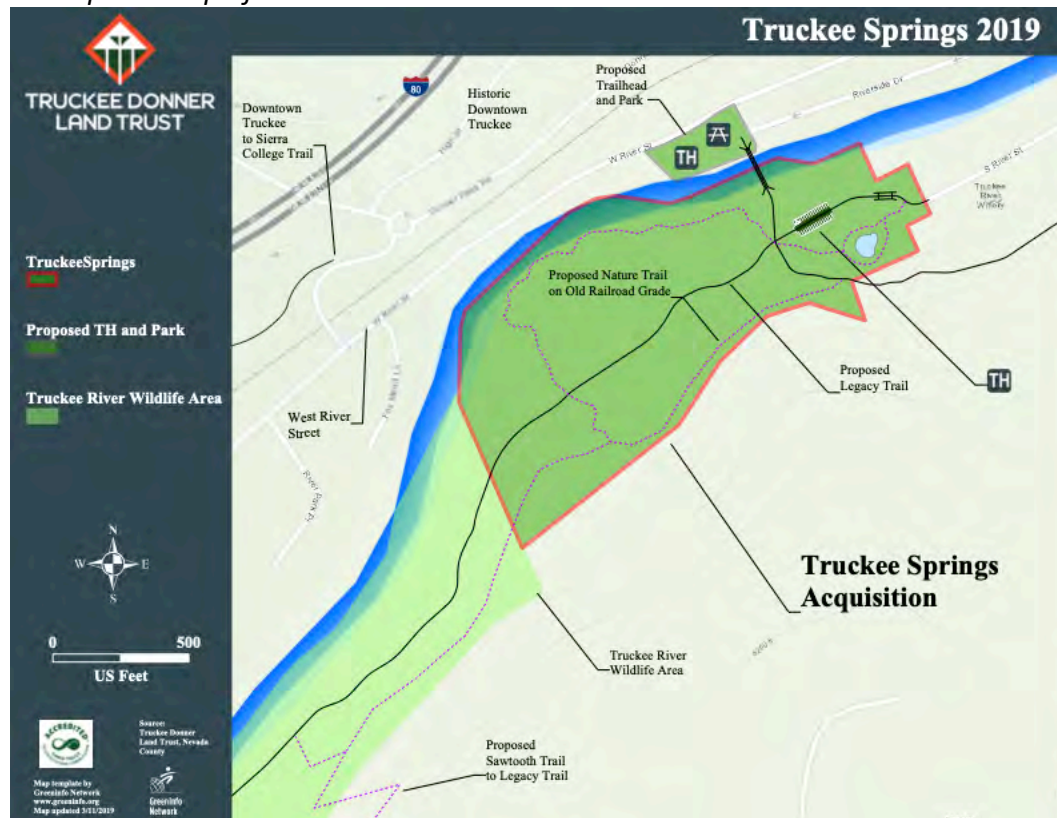
The planning process will entail both the careful routing and design of trails to sustainably accommodate users enjoying the property, and the decommissioning user created trails existing on the property, particularly down the steep and crumbling bank to the river. The property includes roughly 1/3 of a mile of riverbank.

Another benefit of the project is it precludes the development of 40 single-family residences or a 120-room hotel and the resulting negative impacts to water quality caused by construction, impervious surfaces, and the stormwater runoff.

According to **Informing Watershed Planning and Policy in the Truckee River basin through Stakeholder Engagement, Scenario development, and Impact Evaluation** by staff of The Nature Conservancy and others, simply preventing development and the associated impacts is one of the most effective ways to prevent water quality degradation in the watershed.



Conceptual map of trails and access:



4. Grant Priorities.

This project is aligned with priorities II, IV, with secondary benefits aligned with priority III. Managing public use will reduce erosion and sedimentation discharged into the Truckee River by creating sustainable trails and facilities for recreation and eliminating erosive user-created trails. Decommissioning user-created trails would include re-vegetation on impacted areas to stabilize slopes and improve flood plain function. The

acquisition will preclude the possibility of increased stormwater runoff from potential development as allowed in Truckee's General Plan.

5. Permitting.

Permitting will be done in concert with the Town of Truckee, including possible CEQA and NEPA permitting, coordinated with the town's construction of the paved class-one multi-use Truckee River Legacy Trail across the property. Coordination with the Town of Truckee is already underway.

6. Future Land use.

The 26-acre property will be permanently conserved as open space by the Truckee Donner Land Trust, with basic recreation infrastructure including sustainable trails and picnic tables and benches. The land will be managed for recreation and conservation.

7. Future phases.

Permitting and Implementation of the trail plan will be funded by a combination of Town of Truckee funding for the Truckee River Legacy Trail and public and private fundraising by the Truckee Donner Land Trust already underway. The Land Trust aims to raise \$4 million total for stewardship of the property.

8. Principals involved.

Truckee Donner Land Trust is the project lead, with cooperation from the Town of Truckee and Truckee Trails Foundation.

9. Number of staff positions involved:

Fulltime: 1 Part time: 1

Truckee Donner Land Trust will have one full-time employee dedication a portion of their time to the project, as well as a part-time summer seasonal employee.

10. Number of volunteers involved:

No volunteers will be involved in the planning or permitting portion of the project, but once construction begins, Truckee Donner Land Trust will use volunteers on the dirt trail construction. Typically, the Land Trust sees 300 volunteers in a summer for trail construction and maintenance projects.

11. Time Line.

Planning: Today – January 2021

Permitting: Today – January 2021

Acquisition of Property: January 2021

Construction begins: Summer 2021

12. Success.

The project will be successful with the completion of a trails and access plan for the 26-

acre Truckee Springs property that ensures the protection of water quality and natural resources while accommodating significant public recreational use.

13. Collaboration.

Town of Truckee: project funder (\$500,000 committed to date), lead on Truckee River Legacy Trail, partner in protect permitting

Truckee Trails Foundation: Partner in trail design and in coordinating trail plan with nearby existing and planned trails to create cohesive trail network

Truckee River Watershed Council: Partner in possible restoration projects on property

14. Grant match.

Truckee Donner Land Trust will support the balance of the project: \$25,000 in previously raised funds for Truckee Springs.

15. Budget

Truckee Springs Trail Plan Budget			
Budget Item	Funded By		
	Truckee River Fund	Truckee Donner Land Trust	Other
Project Design	\$25,000		\$25,000
permitting		\$25,000	\$25,000
Project total			\$50,000

Grant Match:

Match amount to be provided: \$25,000

Match is:

Cash: \$25,000

For the cash portion of your match, is the funding already being help by the applicant for this project? Yes

Description of matching funds: Funds already raised/to be raised for stewardship costs as part of the Truckee Donner Land Trust campaign to acquire Truckee Springs.

Included attachments:

Last audited financial statement

List of Board of Directors

IRS 501(c)3 Tax Determination Letter

Most recent IRS Form 990



Cover Sheet		Date: 2/7/2020																			
Organization Name:	Sierra Watershed Education Partnerships (SWEP)																				
Type:	501(c)(3) EIN# 91-1848359	Governmental entity? No																			
Address:	PO Box 1602 Tahoe City Ca 96145																				
Project Name:	Water Quality and Watershed Education Projects/Programs																				
Amount requested:	15,000	Website: www.4swep.org																			
This funding will be used to (complete this sentence with a max of 2 sentences):		Support and allow the continuation of SWEP's water quality and watershed education programs that reach 10+ schools in the Tahoe Truckee region, leading to the direct impact of the Truckee River and the water quality that travels downstream to the Reno area.																			
Key People:	Director:	Missy Mohler																			
	Board Chair:	Sally Lyon																			
	Project Contact:	Name:	Missy Mohler																		
		Position:	Executive Director																		
		Phone:	(530) 582-2719																		
		Fax:	N/A																		
		Email:	missy@4swep.org																		
Organization Mission:	SWEP promotes environmental stewardship by connecting students to their community and local environment through comprehensive watershed education and service learning projects.																				
Has your organization received other grants from the Truckee River Fund? No	If yes, <table><tr><td>Date awarded:</td><td></td></tr><tr><td>Project title:</td><td></td></tr><tr><td>Amount of Award:</td><td></td></tr><tr><td>Date awarded:</td><td></td></tr><tr><td>Project title:</td><td></td></tr><tr><td>Amount of Award:</td><td></td></tr><tr><td>Date awarded:</td><td></td></tr><tr><td>Project title:</td><td></td></tr><tr><td>Amount of Award:</td><td></td></tr></table>			Date awarded:		Project title:		Amount of Award:		Date awarded:		Project title:		Amount of Award:		Date awarded:		Project title:		Amount of Award:	
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DESCRIPTION OF PROJECT UNDER CONSIDERATION
Indicate the description that best fits the project you are proposing. Mark no more than three categories:

☒ E. Other projects that meet the evaluation criteria.



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1. Project goals & measurable outcomes: Sierra Watershed Education Partnership (SWEP) is requesting funding support in category VI: Stewardship and Environmental Awareness. SWEP's water related and environmental watershed programs support clean-up projects in our forests, meadows, wetlands, and beaches, as well as giving the youth of today the resources and education to become lifetime stewards. Within all of SWEP's projects the main goal is to promote stewardship. Here is a list of the specific goals the projects mentioned in Project Description are designed to accomplish:

- Highlight the vital message that water is essential
- Address Climate Change
- Nourish an ethic of stewardship in the region
- Involve students in watershed restoration projects
- Increase knowledge of greenhouse gases
- Improve the water quality of Lake Tahoe and the Truckee River
- Safeguard and improve water quality in the Tahoe Truckee Region
- Cultivate environmentally conscientious citizens
- Empower students through hands-on action oriented projects
- Deliver outdoor learning opportunities & expand service learning opportunities for students
- Incorporate Next Generation Science Standards
- Introduce science pathways into college
- Expand full community stewardship projects into forest health projects that help the region with the threat of major forest fires
- Provide environmental outreach to students, schools, families, and communities

Funding from the Truckee River Fund would support our ability to continue to provide and maintain our quality programming. The majority of our funding goes towards the work of directly promoting stewardship by connecting students to the environment. The goals stated above are at the heart of all SWEP programming.

SWEP measures success in a variety of ways. Our personal favorite way is through the direct feedback we receive from the students. When passion is ignited and inspiration to make change is visible, we are able to first hand see the positive change that is being created. We regularly receive feedback from teachers, admin, parents, partners, as well as the students, through surveys at the completion of our projects. We also measure success through the continued partnerships that support our programming. Our partnership list is continuously growing, so when an environmental issue around water, waste, forest, recycling, or energy arises...SWEP is regularly sought as the education and outreach expert & provider for these vital environmental and stewardship needs. Here are a few specific examples of SWEP success:



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- SWEP's school district partner of 25+ years, the Tahoe Truckee Unified School District (TTUSD), was awarded the Gold Ribbon for green achievement in State of CA and top award from the US Department of Education
- Partners utilize SWEP's student data to understand the results of restoration work and overall watershed health
- SWEP students develop scientific understanding and data collection skills, as well as communication and leadership strategies that help them obtain unique research opportunities, internships and job opportunities after their high school careers

Most importantly, we measure success through students reached, creeks monitored, critical data collected, native trees planted, native fish released, waste stream diverted, water and energy improvements and this knowledge is then brought home to student's homes and spread throughout the community.

2. Project location: Tahoe Truckee Region

3. Project description: The Truckee River and Reno residents are directly affected by the upstream geography and the the residents of Tahoe Truckee who make an impact on those waterways. SWEP emphasizes the importance of restoring and maintaining a healthy watershed upstream because those downstream are impacted by our actions. The specific projects below all incorporate watershed education and lessons revolving around the water cycle, water quality, and the importance of water in our environment.

- **Wonders of Water:** students perform water monitoring protocols outside, as well as interactive water cycle and watershed lessons in the classroom
- **Native Fish Art & Environment:** projects for students to create sustainable art pieces that bring emphasis to the Lake Tahoe Basins' Native Lahontan Cutthroat Trout species, while promoting Truckee River Day - a river restoration community day reducing erosion
- **Tahoe Basin Watershed Education Summit:** located on the West Shore of Lake Tahoe, high school students collect critical water quality data - stream cross sections, pH, dissolved oxygen, temperature, and observe macroinvertebrates. The critical data from this project is directly linked to helping the Forest Service with water clarity issues of Lake Tahoe.
- **Fisheries Field Day:** celebration and exploration day for students to learn about the Native Lahontan Cutthroat Trout and the importance of preserving ecosystems
- **Forest Health Field Day:** middle school students plant native tree species, the Sugar Pine
- **District wide water conservation, composting, waste & energy reduction efforts** with school sustainability clubs at all TTUSD sites



All of these projects have students directly involved in the planting, taking & collecting critical water data. Students absorb more information and have greater retention when they are directly involved in making positive change. SWEP's goal is to promote stewardship by involving the students directly through these environmental projects around water in their local environment. A positive change will be established and grow with these students and they will continue to have a positive impact on the environment.

4. Grant priorities: Behind all of SWEP's projects the overarching purpose is to promote stewardship by connecting students to their local community and environment through meaningful service learning and watershed education. SWEP's programs meet **Multiple Objectives VII** and our staff works tirelessly to provide water quality and watershed protection lessons, reaching many of the Truckee River Funds objectives. Additionally, the main TRF grant priority that SWEP accomplishes is **VI Stewardship and Environmental Awareness**. All of SWEP's programming have been developed and are implemented to raise awareness and increase education regarding water, water quality and watershed protection. During these projects and field days students participate in watershed clean up activities in areas such as forests, wetlands, meadows, and creeks. Additionally, the TRF grant priority of **IV Re-forestation and Re-Vegetation Projects** are met by SWEP's programming including native species plantings, invasive species removal, fire awareness, and defensible space field days.

This year, SWEP is requesting funds from the TRF to continue providing our award winning programming centered around watershed and environmental topics and issues. Our goal is to keep the strong programming we have successfully built while adapting (when and if necessary) to needs which evolve in our state and region around water and environmental threats and issues. The threats to our environment never disappear, the need to educate our youth on the detailed history or science behind these threats ebb and flow with Climate changes, the threat of fires, and legislation changes. Our purpose is to create programming, or to keep our programming alive that creates action and fosters hope while promoting stewardship.

5. Permitting: SWEP programming does not require permitting.

6. Future land use: SWEP programming does not foresee any zoning, land use, or development plans.

7. Future phases: These projects occur annually and have existed for roughly 20 years. Although we do have some funding for these projects, we find that we are always in need of more sustainable sponsors. For example, one large California grant that we had for the past 3



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years that was supporting a portion of these water related programs has just dried up and we are in need of a long term annual supporter of these watershed education and water quality projects.

8. Principals involved: SWEP's Executive Director is involved by budgeting and invoicing for these programs, as well as establishing partnerships and developing new ideas that address an environmental issue.

SWEP's Project Director is involved by designing, planning, coordinating all programs with the local school sites, admin, and teachers. Lesson plans are developed and staff training is performed by the Project Director. Additionally, the Project Director is actively involved in teaching students in the field planting native species, identifying biological water quality indicators and collecting physical water quality data, and in the classroom with action oriented clubs.

SWEP's two Field Instructors are involved by conducting these projects with students each day. These employees lead students through forest health monitoring protocols, water quality monitoring protocols, manage weekly sustainability clubs, and are involved in every water quality and watershed lesson that are incorporated in these programs.

9. Staff positions involved: SWEP has 4 full time employees and each employee dedicates 100% of their time to these projects.

10. Volunteers involved: SWEP's stewardship promoting projects would not be possible without the assistance of volunteers donating their time to help fulfill our mission. These water quality and watershed education projects annually recruit roughly 98 volunteers. Individually, each volunteer roughly spends 5-7 hours donating their time to assist SWEP students in learning about our local environment and how to take care of it.

11. Timeline: These water related and environmental watershed projects take place throughout the duration of the school year. The funds from TRF would be implemented with 180 days of funds received.

12. Success: SWEP will inform the committee of our success through a report at the end of the term, as well as social media and photo updates as the projects are taking place.

13. Collaboration: Partnership is a vital part of our organization, Sierra Watershed Education "Partnerships", and we believe that a diverse list of partners leads to success. Below is a list of our supporting partners:



Town of Truckee, EpicPromise-Northstar at Tahoe, Tahoe Truckee Unified School District, Truckee River Watershed Council, UC Davis Tahoe Environmental Research Center, Excellence in Education Foundation, Tahoe Truckee Community Foundation, Truckee Tahoe Airport District, Truckee Donner Public Utility District, Tahoe Truckee Sierra Disposal, Tahoe Mountain Resort Foundation, US Forest Service, Clif Bar Family Foundation, Patagonia, North Tahoe Public Utility District, Tahoe Water Suppliers Association.

14. Grant match:

Match amount to be provided:		\$10,690.00
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. Match is:	
	Cash	\$6,908.00
	In-kind	Volunteer Hours = \$1,950.00 Donations = \$1,832.00 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	
Description of matching funds/in-kind donations:	SWEP currently has income from supporting partners in our region. Each partner contributes what they can to our small nonprofit organization. However, each year we find that we are still in need of funds. Some of the matching support that SWEP receives is in the form of in-kind donations such as food for volunteers, outdoor gear for staff members and ski lift tickets for raffle prizes, while other support is direct funding for programs & projects.	

15. Project budget: Please see SWEP budget forms attached to application.

Budget Item Description	ORIGINAL PROJECT BUDGET TRF \$	REIMBURSEMENT REPORT	
		Expenditures to date TRF	Expenditures to date (other sources)
Wonders of Watersheds	\$3,000	\$0	\$1,085
Fisheries Field Day	\$2,500		\$1,035
Forest Health Field Day	\$2,500		\$1,132
Native Fish: Art & Environment	\$2,000		\$926
Tahoe Basin Watershed Education Summit	\$3,000		\$1,576
Sustainability Efforts	\$2,000		\$1,154
TOTAL	\$15,000		\$6,908



FRIENDS of NEVADA WILDERNESS

Cover Sheet

Date: 02/07/2020

Organization Name:		Friends of Nevada Wilderness																																					
Type:		501(c)(3) EIN# 88-0211763	Governmental entity? Y/N																																				
Address:		1360 Greg St. #111 Sparks Nevada 89431																																					
Project Name:		Mount Rose Noxious Weed Monitoring, Treatment, and Re-seeding #8																																					
Amount requested: \$28,549		Website: www.nevadawilderness.org																																					
This funding will be used to (complete this sentence with a max of 2 sentences):		Friends of Nevada Wilderness will treat and re-seed approximately 75 acres of noxious weeds on Humboldt-Toiyabe National Forest lands within the Truckee River Watershed.																																					
Key People: Nora Richter Chris Cutshaw Darcy Shepard	Director:	Shaaron Netherton																																					
	Board Chair:	Roger Scholl																																					
	Project Contact:	Name:	Nora Richter																																				
		Position:	Northern Nevada Stewardship Manager																																				
		Phone:	775-324-7667																																				
		Fax:	775-324-2677																																				
Email:		nora@nevadawilderness.org																																					
Organization Mission:		Friends of Nevada Wilderness is dedicated to preserving all qualified Nevada public lands as Wilderness, protecting all present and potential Wilderness from ongoing threats, educating the public about the values of and need for wilderness, and improving the management and restoration of wild lands.																																					
Has your organization received other grants from the Truckee River Fund? Yes X No _ (use additional page if necessary)		If yes, <table border="1"> <tr> <td>Date awarded:</td> <td>March 2019</td> </tr> <tr> <td>Project title:</td> <td>TRF #219- Mt Rose Noxious Weed Monitoring and Treatment #7</td> </tr> <tr> <td>Amount of Award:</td> <td>\$24,094</td> </tr> <tr> <td>Date awarded:</td> <td>March 2018</td> </tr> <tr> <td>Project title:</td> <td>TRF #196- Mt Rose Noxious Weed Monitoring and Treatment #6</td> </tr> <tr> <td>Amount of Award:</td> <td>\$23,500</td> </tr> <tr> <td>Date awarded:</td> <td>March 2017</td> </tr> <tr> <td>Project title:</td> <td>TRF #185- Mount Rose Noxious Weed Monitoring and Treatment #5</td> </tr> <tr> <td>Amount of Award:</td> <td>\$22,405</td> </tr> <tr> <td>Date awarded:</td> <td>April 2016</td> </tr> <tr> <td>Project title:</td> <td>TRF #168- Mount Rose Noxious Weed Monitoring and Treatment #4</td> </tr> <tr> <td>Amount of Award:</td> <td>\$21,002</td> </tr> <tr> <td>Date awarded:</td> <td>September 2014</td> </tr> <tr> <td>Project title:</td> <td>TRF #153- Mount Rose Noxious Weed Monitoring and Treatment #3</td> </tr> <tr> <td>Amount of Award:</td> <td>\$15,807</td> </tr> <tr> <td>Date awarded:</td> <td>August 2013</td> </tr> <tr> <td>Project title:</td> <td>TRF #130 Mount Rose Noxious Weed Monitoring and Treatment #2</td> </tr> <tr> <td>Amount of Award:</td> <td>\$10,896</td> </tr> </table>		Date awarded:	March 2019	Project title:	TRF #219- Mt Rose Noxious Weed Monitoring and Treatment #7	Amount of Award:	\$24,094	Date awarded:	March 2018	Project title:	TRF #196- Mt Rose Noxious Weed Monitoring and Treatment #6	Amount of Award:	\$23,500	Date awarded:	March 2017	Project title:	TRF #185- Mount Rose Noxious Weed Monitoring and Treatment #5	Amount of Award:	\$22,405	Date awarded:	April 2016	Project title:	TRF #168- Mount Rose Noxious Weed Monitoring and Treatment #4	Amount of Award:	\$21,002	Date awarded:	September 2014	Project title:	TRF #153- Mount Rose Noxious Weed Monitoring and Treatment #3	Amount of Award:	\$15,807	Date awarded:	August 2013	Project title:	TRF #130 Mount Rose Noxious Weed Monitoring and Treatment #2	Amount of Award:	\$10,896
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1



FRIENDS of NEVADA WILDERNESS

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.

NARRATIVE REQUIREMENTS

Provide answers for all 11 sections below; use the numbers and topics (in **bold**) to label each section in your response. Your application is limited to 5 narrative pages, including the cover sheet. Your budget is page 6. All projects are required to have measurable outcomes:

1. **Project goals, Measurable Outcomes, and how you will measure and report them:**

Goals: The goal of the 2020 Mount Rose Wilderness Noxious Weed Monitoring and Treatment Project is to protect the water quality of the Truckee River and its watershed by removing noxious weeds from the heavily used Hunter Creek watershed and reseeding treated areas with native plants. We will mitigate their spread, monitor known weeds sites for changes and growth, and identify any new infestations. In 2020, we are expanding our weed treatment program to include re-seeding efforts as directed by the U.S. Forest Service (USFS) Carson Ranger District's Rangeland Management/Invasive Weeds Specialist.

Methods: Our methods to control weeds in the Wilderness will consist of monitoring/scouting, direct treatment, and re-seeding in affected areas. Friends of Nevada Wilderness will host six volunteer weed pulling events, three weed monitoring trips, three scouting trips for re-seeding locations, and three re-seeding projects. During the spring, FNW staff, AmeriCorps members, and volunteers will monitor known weed sites to assess outcomes and continue to document changes in known populations. Staff and USFS Agency Partners will also scout for appropriate re-seeding sites. Weed removal will take place during May and June before plants have gone to seed. We will use shovels and clippers to pull Musk Thistle (*Carduus nutans*) which is listed on the state noxious weed list and the Truckee Meadow's Dirty Dozen Noxious Weed list. Mechanical removal is the most appropriate way to treat these weeds in Wilderness. Re-seeding will take place in the fall throughout 10 acres of the affected watershed (identified during spring scouting trips) with a USFS Botanist-approved graminoid mix with pollinator-attracting perennial forbs. The re-seeding mix will be purchased by FNW.

Measurable Outcomes: Friends of Nevada Wilderness staff and volunteers will treat approximately 75 acres of noxious weeds, monitor existing weed sites, scout the Hunter Creek Drainage for appropriate re-seeding sites, and re-seed approximately 10 acres where weeds have been removed. We will host six volunteer weed-pulling events, three weed monitoring trips, three scouting trips, and three re-seeding volunteer projects. We have identified our focus areas from years of monitoring and direction from the Carson Ranger District. Through the completion of these projects, we anticipate removing 15,000-20,000 invasive weeds that each have the potential to germinate and create thousands more plants. On each of these projects, we hope to average 6-8 volunteers for about 6 hours of on-the-ground work. These projects will not only engage and educate volunteers in the treatment of noxious weeds and rehabilitation of affected areas but will give citizens a chance to take part in the stewardship of their public lands. To date we have removed over 200,000



FRIENDS of NEVADA WILDERNESS

weeds from the Truckee River Watershed, resulting in a decrease in density of noxious weeds, and we hope to continue our momentum by augmenting these weed treatments with the re-seeding of native bunch grasses and perennial forbs.

2. **Project location:** We are focusing our projects in the northern section of the Mount Rose Wilderness, an area 5,000 acres in size. The majority of the noxious weeds are located within Hunter Creek and Belli Front areas of the Wilderness. All of the identified noxious weed locales are within the Truckee River Watershed and are 2-4 miles from the Truckee River. Many identified locations are directly adjacent to the heavily used and highly impacted Hunter Creek Trail. Areas of concern are the helicopter loading points used by the Carson City Ranger District to fight the Hunter Falls Fire of 2014 and the Hunter Creek Fire of 2017, which we will continue to monitor closely for any further invasive weed developments. These sites all lie upstream of the urban Truckee River corridor. Musk Thistle can easily spread downstream, so treatment of these locations reduces the possibility of additional Musk Thistle infestations in the downstream urban corridor.
3. **Project description.** Staff will monitor known weed locales and scout for appropriate re-seeding sites in the spring. During May and June, staff will lead volunteers to known locales of noxious weeds and remove them with shovels and by hand. If plants have produced flowers, we will clip the seed heads and pack them out to be safely disposed. In the fall, staff and USFS agency partners will lead volunteers to previously identified sites to disperse seed by hand. Snacks, water, and all necessary tools and personal protective equipment will be provided by FNW. Please see map, included on page 7.
4. **Grant priorities.** Our projects are in line with many of the grant priorities, specifically priority #1 (Aquatic Invasive Species), priority #2 (Watershed Improvements), priority #6 (Stewardship and Environmental Awareness), and priority #7 (Meet Multiple Objectives). Noxious weeds, specifically Musk Thistle, pose a significant threat to the health of the Truckee River Watershed. Through volunteer stewardship projects, we seek to improve Truckee River Watershed health by removing these noxious weeds. Reducing the number of weeds in the Hunter Creek area (a main tributary to the Truckee River) will improve the water quality, reduce soil erosion, and slow the spread further downstream, as well as enhance the recreation qualities of the beloved Hunter Creek Trail - the most popular trail within the Reno/Sparks urban interface. Our long-standing Wilderness Weed Warriors program seeks to both engage and educate the public on the importance of noxious weed management. We have seen firsthand, that even after one project, volunteers have a basic understanding of the negative effects of noxious weeds and the importance of controlling them. By educating the public on these issues, we can inspire more stewardship and environmental awareness of the entire Truckee River corridor.
5. **Permitting.** As of now this project does not require any special permits, we will be taking direction from our Carson Ranger District contacts.
6. **Future land use.** Our program sites are all within public land managed by the US Forest Service and the majority of the sites are within the Mt Rose Wilderness. There are no foreseeable zoning or development plans that will affect this project.
7. **Future Phases:** The unfortunate truth about invasive plants is that there may always be weeds to pull. In 2020, we are working closely with the Carson Ranger District Agency Staff to take this project one step further by re-seeding areas that we have previously treated. The danger of Musk Thistle is that these plants create dense monocultures, drive out native plants and animals, disrupt the local ecology, degrade the soil, and enhance erosion. A single Musk Thistle flower can produce over 1,200 seeds and can stay dormant in the soil for up to 15 years, resulting in a need for continued management. For these reasons, the success of invasive weed management in the Truckee River corridor is dependent upon continued annual removal and monitoring. At

3



FRIENDS of NEVADA WILDERNESS

sites we have treated for multiple years, we have seen a reduction in the annual number of plants. We hope to build on this success through continued treatment and the addition of re-seeding efforts.

Friends of Nevada Wilderness has consistently outperformed our goals, controlling invasive weeds at these study sites, and slowly reducing numbers. Our institutional knowledge of this portion of the watershed is invaluable to its long-term health. We will continue working with the USFS Carson Ranger District to build upon our successes and move the program forward. The Truckee River Fund has generously supported these efforts in past years and we hope you will continue to find it important for years to come.

8. **Principals Involved:** Four staff members from Friends of Nevada Wilderness, including two Northern Nevada Stewardship Coordinators, GIS Mapping Technician, and one seasonal AmeriCorps Service Member will be involved. We will be taking direction from the USFS Carson District Botanist, and Rangeland Management/Invasive Weeds Specialist.
9. **Staff Positions Involved:** Fulltime 0 Part-time 4
10. **Volunteers Involved:** We will have at least 80 volunteers involved, donating 500 or more volunteer hours. We will host 9 volunteer projects with an average of 56 volunteer hours per trip, and six weed monitoring/scouting trips. Our outings are typically day trips ranging from 4-8 hours. In 2019, we had great success working with Patagonia Inc. employees, REI employees, and the Midtown Rotary Club and will work with them again this year. We will also reach out to other businesses, UNR clubs, local Meetups, the Reno Hiking Group, Keep Truckee Meadows Beautiful, and the Truckee Meadows Weed Coordinating Group during our quarterly meetings. We use a variety of outreach methods to recruit volunteers including our monthly e-newsletter, tabling, flyer placement, social media, and volunteer recruitment websites such as www.volunteermatch.com and www.idealist.org.
11. **Timeline:** Outreach for volunteers and partner groups will start immediately upon project approval. Logistical planning and monitoring will begin in April. Our first weed treatment project will be with Keep Truckee Meadows Beautiful on May 2nd, 2020, followed by more projects in May-July. We will implement re-seeding projects in the fall. Any additional monitoring will be completed by November 2020. Final reporting will occur in early 2021.
12. **Success:** We will inform the committee of our successes with written quarterly reports accompanied by photographs and any earned press. We consider our program successful if everything is completed safely, we reach our target number of weeds removed, and the volunteers learn about the importance of invasive weeds and the Truckee River Corridor. We will communicate our efforts through press releases, bi-annual newsletters, monthly E-newsletters, and we will update our accomplishments often on our social media platforms. We will continue to pursue media coverage next year to highlight the program and the Community Foundation's generous community support.
13. **Collaboration:** Each year, we collaborate with Keep Truckee Meadows Beautiful (KTMB) to accomplish 1 to 2 weed removal projects. They assist with volunteer recruitment; provide extra tools, and some management support for these projects. Partners who provide employees or members as volunteers include Patagonia Inc., REI, International Gaming Technologies (IGT), Midtown Rotary, NV Energy, UNR, and TMCC. Imbibe Brewery, Eclipse Pizza, and Nature Valley Bars provide free or discounted food products as part of our volunteer appreciation efforts. And of course, the US Forest Service collaborates with us to accomplish all of these projects. They provide guidance, oversight, approval, and on-going monitoring.
14. **Grant match.** Please see Grant Match Template on page 5.
15. **Project budget:** Please see Budget Template on Page 6



FRIENDS of NEVADA WILDERNESS

Grant Match

Match amount to be provided:	\$14,080	
Match details: We will be using matching funds from a National Forest Foundation (NFF) grant. We will also match with a pending grant application with the National Environmental Education Foundation (NEEF). If we do not receive the NEEF grant, these funds will be matched with the NFF and individual contributions. These funds will help support and enhance funding for the Mt. Rose Wilderness noxious weed program.	Please provide the form of your matching funds. If match is made up of both cash and in-kind, fill in both sections. Match is:	
	Cash	\$4,000
	In-kind	\$10,080 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 <u>X</u> No ___	
Description of matching funds/in-kind donations:	Matching funds will be for transportation, volunteer supplies, tools, planning, outreach, labor, and training. In-kind matches will be made with volunteer hours.	

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:

- ☐ 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

Governmental entities submit:

- ☐ Departmental budget in lieu of audited financial statements



FRIENDS of NEVADA WILDERNESS

Budget Item Description	Truckee River Fund	Match Source	Match Amount	Total
Payroll Expenses	\$19,261	John Ben Snow Foundation	\$3000	\$22,261
AmeriCorps Stipend	\$2,926			\$2,926
Volunteer Labor (504 hrs at \$20/hr)		In-Kind Volunteer Labor	\$10,080	\$10,080
Printing and Reproduction	\$200			\$200
Project Supplies	\$2,750			\$2,750
Training Expenses	\$305			\$305
Vehicle Travel (150 miles at 5.75/mile)	\$87	John Ben Snow Foundation	\$640	\$727
Volunteer Food	\$425			\$425
Subtotal	\$25,954		\$13,720	\$39,674
Overhead (at 10%)	\$2,595		\$360	\$2,955
		<i>Cash Match Total</i>	<i>\$4,000</i>	
TOTAL	\$28,549	TOTAL	\$14,080	\$42,629

BUDGET NARRATIVE

Payroll Expenses: Payroll expenses include all project planning, facilitation, data entry, program oversight, as well as follow up, volunteer recruitment, outreach and communications, GIS, and Truckee Meadows Weed Coordinating Group meetings.

AmeriCorps Stipend: This helps cover the cost of one of our AmeriCorps Service members who will be integral to the implementation of this project.

Volunteer Labor: This is calculated at \$20.00/hr for 9 volunteer events with at least 56 hours of volunteer labor at each event; \$20/hr x 56 hours x 9 projects = \$10,080.

Printing and Reproduction: This will go towards printing flyers and brochures for advertising our events and volunteer recruitment as well as a portion of our twice-yearly newsletter. It will also go towards the creation and promotion of social media content to support the program and the Community Foundation of Western Nevada.

Project Supplies: Used to purchase seed mix and help cover the cost for first aid kits, tool/supply updates and maintenance, etc.

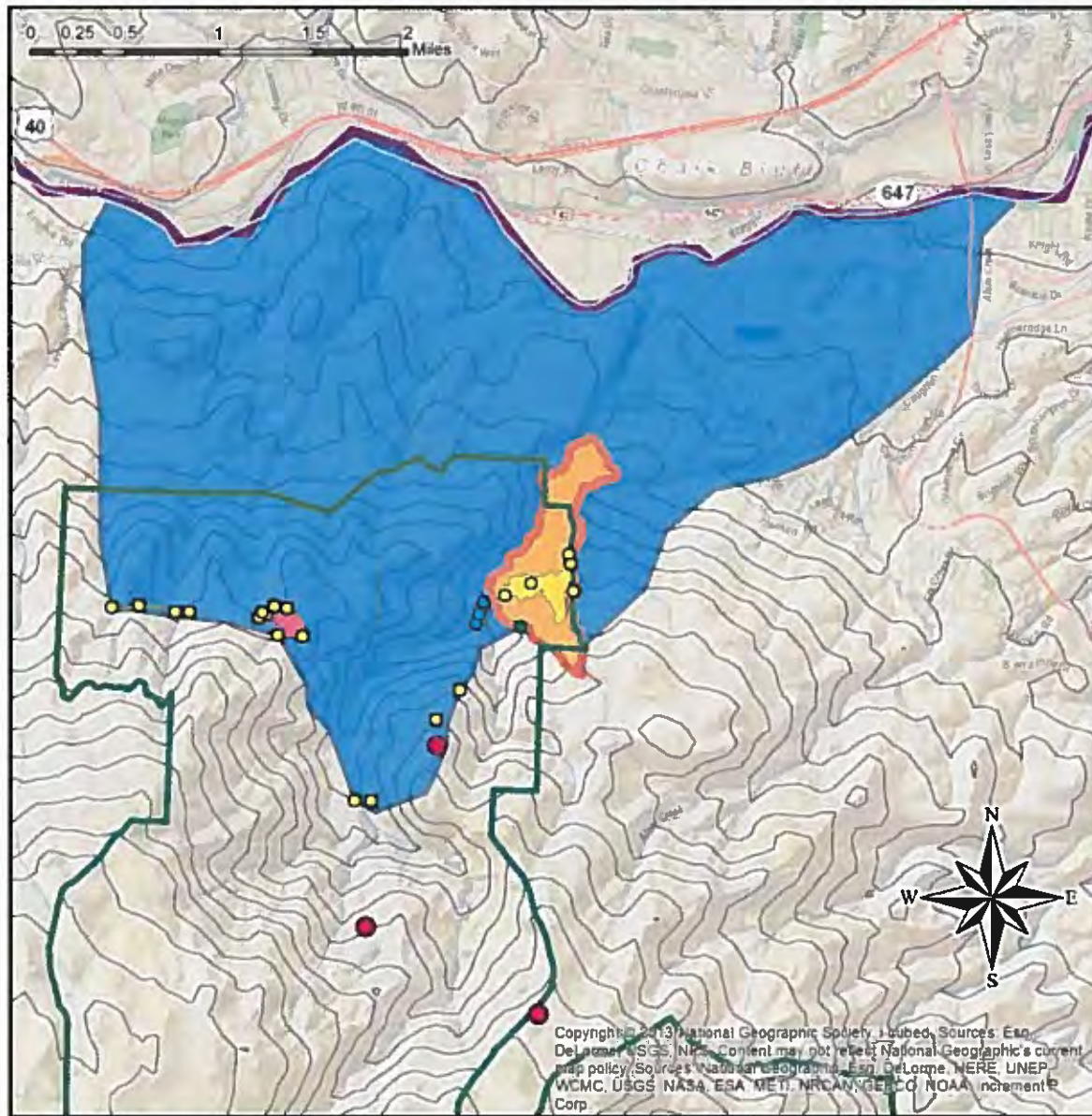
Training Expenses: This will cover relevant classes and conferences, possibly the Weed Warrior class hosted by the University of Nevada, Reno Cooperative Extension, and a portion of the Wilderness First Aid training for our seasonal AmeriCorps and staff. In addition, we will continue to update our invasive weed reference materials for staff/volunteers.

Vehicle Travel and Volunteer Food: This portion accounts for the use of a company vehicle and UTV which may be used to access the Hunter Creek Road, as well as mileage reimbursement for distances driven with personal vehicles. It also accounts for volunteer food such as trail snacks and our end of season volunteer appreciation event.



FRIENDS of NEVADA WILDERNESS

Mt. Rose Wilderness Noxious Weed Monitoring and Treatment Project: Impacted Watershed



- Medusahead
- Musk Thistle
- Pepperweed
- Aviation Sites
- Truckee River
- East Fork Monitoring Site
- East Slope Monitoring Site
- Above Waterfall Monitoring Site
- Belli Front East Monitoring Site
- Belli Front West Monitoring Site
- Mt. Rose Wilderness Boundary
- Hunter Creek Fire
- Impacted Watershed ~ 5,582 acres
- 200ft Contour



Friends of Nevada Wilderness
1360 Greg St #111 / Sparks, NV 89431
Mount Rose Noxious Weed Monitoring, Treatment, and Re-seeding #8



United States
Department of
Agriculture

Forest
Service

Humboldt-Toiyabe National Forest

Carson Ranger District
1536 South Carson Street
Carson City, NV 89701
775-882-2766

File Code: 1580
Date: February 6, 2020

Truckee River Fund
Community Foundation of Western Nevada
50 Washington St.
Suite #300
Reno, NV 89503

To whom it may concern:

On Behalf of the Carson Ranger District, Humboldt-Toiyabe National Forest, I am expressing my support of Friends of Nevada Wilderness' (FNW) proposed projects in and around the Mt. Rose Wilderness. FNW has been working closely with the Carson Ranger District for over 10 years to treat invasive plants in and around the wilderness area. As a result of this work, we have seen a reduction in muck thistle which is of direct benefit to the habitat and ecosystem of the Truckee River Watershed. I highly value our partnership which goes beyond invasive weed treatment and monitoring to include education projects, solitude monitoring, impact monitoring, trail maintenance, and other projects. FNW has a track record of effectively executing many grants from a variety of sources. I am confident that FNW will do the same with this funding.

Please accept this letter in support of the proposed projects, and we thank you for your generous consideration and support of these important restoration efforts.

Sincerely,

A handwritten signature in blue ink, appearing to read "M. D. Zumstein", written over a horizontal line.

MATTHEW D. ZUMSTEIN
District Ranger



Cover Sheet

Date: 2/7/20

Organization Name:	One Truckee River, under the fiscal agency of Nevada Land Trust (NLT)																				
Type:	501(c)(3) EIN#88-0287591	Governmental entity? No																			
Address:	P.O. Box 20288, Reno, NV 89515																				
Project Name:	One Truckee River Overall Support																				
Amount requested: \$74,293	Website: www.onetruckeeriver.org and www.nevadalandtrust.org																				
This funding will be used to (complete this sentence with a max of 2 sentences):	Ensure One Truckee River (OTR) continues to build its overall partnership capacity and support the implementation of OTR's priority action items. OTR will support partners meeting multiple objectives that are aligned with the OTR priority action items.																				
Key People:	Director:	Alicia Reban, Nevada Land Trust Executive Director																			
	Board Chair:	Brian Bonnenfant, Nevada Land Trust Board Chair																			
	Project Contact:	Name:	Iris Jehle-Peppard																		
		Position:	One Truckee River Partnership Coordinator																		
		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. NLT provides fiscal management services and some administrative support on behalf of One Truckee River.																				
Has your organization received other grants from the Truckee River Fund? Yes X No (use additional page if necessary)	If yes, <table border="1"> <tr> <td>Date awarded:</td> <td>See Attachment A</td> </tr> <tr> <td>Project title:</td> <td></td> </tr> <tr> <td>Amount of Award:</td> <td></td> </tr> <tr> <td>Date awarded:</td> <td></td> </tr> <tr> <td>Project title:</td> <td></td> </tr> <tr> <td>Amount of Award:</td> <td></td> </tr> <tr> <td>Date awarded:</td> <td></td> </tr> <tr> <td>Project title:</td> <td></td> </tr> <tr> <td>Amount of Award:</td> <td></td> </tr> </table>			Date awarded:	See Attachment A	Project title:		Amount of Award:		Date awarded:		Project title:		Amount of Award:		Date awarded:		Project title:		Amount of Award:	
Date awarded:	See Attachment A																				
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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.

NARRATIVE REQUIREMENTS

Provide answers for all 11 sections below; use the numbers and topics (in **bold**) to label each section in your response. Your application is limited to 5 narrative pages, including the cover sheet. Your budget is page 6. **All projects are required to have measurable outcomes:**

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

1. **Specific project goals and measurable outcomes:** One Truckee River (OTR) is requesting support to continue to build the overall capacity of the OTR Partnership to advance the implementation of the OTR Management Plan, Phase I with a focus on OTR's highest priority action items by: 1) Filling a gap in funding to have the OTR Partnership Coordinator, Iris Jehle-Peppard, continue in her current capacity, 2) Continue the contract with Turning Point, Inc. to the end of 2021, and 3) Support a River Restroom Attendant to ensure the River Restroom Project pilot is a success.

The OTR Partnership Coordinator has supported the growth of OTR since April of 2018 by:

- Leading, coordinating, supporting, and participating in five key OTR groups involving 35 professionals on a regular basis, making connections with 80+ other professionals to advance OTR's nine highest priority action items, and conducting 14 presentations about OTR in the Truckee Meadows region.
- Developing nine key documents to move OTR work forward and leading the OTR Proposal Writing Team. In 2019, the OTR Proposal Writing Team applied (through six different entities) for a total of \$665,678, secured \$396,974, and has pending \$99,989 for OTR operations and priority action items.
- Securing \$652,317 in funding from Renown Health, Washoe County Regional Parks and Open Space, and Washoe County Health District to support priority OTR Action Item 1.3.c. along with Truckee Meadows Water Authority to purchase the first two Portland Loos. The first will be installed in the summer of 2020 at Brodhead Memorial Park.
- Deepening relationships with Northern Nevada Water Planning Commission and the Western Regional Water Commission; preparing funding request July 2020 for OTR operations for \$250K.

OTR's outside consultants, Turning Point, Inc. with UNR, Reno, Center for Program Evaluation, (hired at the beginning of 2019) have spearheaded the two-year process to develop effective metrics for the OTR Management Plan, Phase I. Turning Point, Inc. has led the OTR partnership to collectively develop draft logic models for OTR's four goals, including outcomes and key indicators and identifying what OTR success would look like with implementation in each area. The process is on schedule to be completed by the end of 2020.

To-date, OTR has one priority action item completed, five are scheduled to be completed by the end of 2020, and we are currently developing the specific projects whose implementation will address three additional priority action items. As to other action items in the approved OTR Management Plan, 9 are completed, 20 underway, 18 started, and 14 are ongoing. The work of the unprioritized action items shows the committed work of our OTR partners, as OTR staff are solely focused on OTR's highest priority action items.

At the beginning of 2020, OTR has these specific project goals:

- 1) Advance OTR priority Action Item 1.3.c) to increase public restrooms along the river by securing an additional \$250K in order to install two new restrooms in Phase II of the River Restroom Project, instead of one, after the pilot restroom is established.*Note: TRF #221 supports the River Restroom Project to conduct outreach and education about the Project but does not fund the OTR Partnership Coordinator to work to secure additional funding for the Project or a River Restroom Attendant.
- 2) Advance OTR priority Action Item 1.4.c) *Develop and implement a coordinated vegetation management plan along the river* by securing \$110,000 to develop a coordinated vegetation management plan and secure the commitment of the Cities of Reno and Sparks and the Carson Truckee Water Conservation District to participate in the development of the plan. Current, entities ready to participate: are Washoe Storey Cooperative Weed Management Association, Washoe County Regional Parks and Open Space, Reno-Sparks Indian Colony, Truckee Meadows Park Foundation, and Nevada Land Trust. Thought a pending proposal a detailed process including tasks, evaluation criterions, and a budget have been developed to lead the partners through the plan process.
- 3) Continue to build the overall capacity of the OTR partnership beyond the completion of the OTR priority Action Items 4.1.a and 4.2.b by supporting the OTR partnership to be an effective coalition. Research on what makes an effective coalition to guide and support collective impact has been described by

TAMARACK INSTITUTE – Community Change Series 2016 – Mark Cabaj and Liz Weaver. Thrive Washington has further identified 11 characteristics of an effective coalition are identified. OTR is currently working on creating an effective governance and decision-making structure (characteristic #2), as well as gathering and using anecdotal and quantitative data (characteristic #8). In February 2020, the OTR Partnership Council will be presented with this information, and OTR staff and Turning Point, Inc. will facilitate the OTR Partnership Council's prioritization and ongoing work to develop the 11 characteristics in order to be an effective coalition.

Measurable outcomes for each specific project include:

- 1) Apply for or support OTR partner proposals (at least two grant applications) to secure funding for the balance of River Restroom Project and reach out to five governmental or businesses entities for more support.
- 2) Apply for or support OTR partner proposals (at least two grant applications) to secure funding for the coordinated vegetation management plan and build/strengthen related partnerships such as with the Washoe Storey Cooperative Weed Management Area.
- 3) Conduct seven Partnership Council meetings where OTR partners will discuss and determine how to implement the 11 characteristics to be an effective coalition, resulting in greater effectiveness by OTR along a minimum of three of the eleven characteristics.
- 4) A River Restroom Attendant is present for 40 hours a week at Brodhead Memorial Park.
2. **Project location.** Truckee Meadows region (Reno, Sparks, and Washoe County)
3. **Project description** N/A
4. **Grant priorities.** This grant application will advance these TRF grant priorities: **Local Stormwater Improvements and Re-Forestation and Re-Vegetation Projects** by supporting the development and implementation of a coordinated vegetation management plan; and, **Improving water quality along the urban Truckee River Corridor** by supporting the River Restroom Project with the River Restroom Attendant and the OTR Partnership Council to secure more funding for the Project. **All of TRF's grant priorities** will be supported by the ongoing growth of the OTR Partnership Council.
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. **Funding sources OTR is working to secure are:** 1) NDEP 319 (h) Nonpoint Source Grant Program, 2) US Forest Service 2021 State and Private Forestry Landscaping Scale Restoration, 3) Lied Foundation, 4) Robert Z. Hawkins Foundation, 5) Western Regional Water Commission (WRWC) financial support, 6) Department of Administration Office of Grant Procurement and Management Grant Matching Fund Pilot Program, 7) Conservation Alliance (with local sponsorship), 8) Bureau of Reclamation WaterSMART Cooperative Watershed Management Program, (currently pending application to support a coordinated vegetation management plan), and 9) Renown Health.
8. **Principals involved** in leading or coordinating the activity is **OTR Partnership Coordinator, Iris Jehle-Peppard** with support from Nevada Land Trust.
9. Number of **staff positions involved** in project: Fulltime **0** Part-time **3**
10. Number of **volunteers involved** in project and an estimated number of volunteer hours. **960 hours.**
11. **Time Line** of the proposed TRF request: **First quarter of 2020:** Apply for US Forest Service grant and conduct a Partnership Council meeting. **Second quarter 2020:** Apply for a Lied Foundation and Department of Administration Office grant and conduct a Partnership Council meeting. **Third quarter 2020:** Apply for NDEP grant and conduct a Partnership Council meeting. **Fourth quarter 2020:** Apply for WRWC funding for 2021 and Conservation Alliance (with local sponsorship gained) grant and conduct a Partnership Council meeting. **First**

quarter 2021: Apply for Renown Heath funding and conduct a Partnership Council meeting. **Second quarter 2021:** Apply for a Department of Administration Office grant (if available) and conduct a Partnership Council meeting. **Third quarter 2021:** Apply for NDEP grant and conduct a Partnership Council meeting. **Fourth quarter 2021:** Apply for WRWC funding for 2021 and conduct a Partnership Council meeting.

12. **Success** would include 1) securing \$250K to allow the River Restroom Project, Phase II to install two restrooms instead of one, 2) developing a coordinated vegetation management plan for the three jurisdictions, 3) increasing the overall capacity of the OTR partnership to have at least two more of 11 characteristics to be an effective coalition described above, and 4) the pilot River Restroom Project is a success as determined by the four metrics identified by the Project.
13. **Partnerships or collaborations** with other entities in relation to your proposal are **OTR 25 partner entities**
14. **Grant match.** All applicants must provide a match of at least 25 percent for dollars requested. The match may be with funding and/or in-kind services. For larger grant requests, priority will be given to projects that significantly leverage the grant with funding from other sources. Complete the Grant Match section. **See below**
15. **Project budget** (see Sample Budget Template on page 5 of this RFP). Provide detail on line-item expenditures and show which costs are to be paid for by the Truckee River Fund grant, which expenses will be paid for by other sources, and which will be paid for with in-kind services. Other sources of funding should be provided.
- *Note 1:* Project budget must be a stand-alone, one-page attachment.
 - *Note 2:* Indirect/overhead expenses cannot exceed 25 percent.

Grants from the Truckee River Fund are paid on a reimbursable basis for actual expenditures only. Craft your budget in such a way that requests for reimbursement correspond to the original budget.

Grant Match

Match amount to be provided:		\$18,575
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.	
	Match is:	
	Cash	\$18,575
	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 <u>x</u> No <u> </u>		
Description of matching funds/in-kind donations:	Oct. 1, 2018, OTR was awarded a second grant from Nevada Division of Environmental Protection for a watershed coordinator to further implementation of the action items in the OTR Plan as well as a subcontractor to complete portions of the 9 EPA critical elements for watershed management. The watershed management focus is also to ensure strong coordination with the Source Water Protection planning efforts.	

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:

- ☐ 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

Governmental entities submit:

- ☐ Departmental budget in lieu of audited financial statements

ONE TRUCKEE RIVER PROJECT BUDGET					REIMBURSEMENT REPORT	
Budget Item Description*	TRF \$	Other Funding Name**	Match \$	Total	Expenditures to date TRF	Expenditures to date (other sources)
Labor paid - Partnership Coordinator	\$23,334	NDEP	\$18,575	\$41,909	\$	
Labor paid – Turning Point, Inc.	\$10,000					\$
Funding to Reno Initiative for Shelter and Equality to support a River Restroom Attendant	\$31,269					
TOTAL DIRECT COSTS	+\$64,603					
Administrative fees	\$9,690					
Total	\$74,293		\$18,575	\$93,868	\$	\$