

TRUCKEE RIVER FUND

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TRUCKEE RIVER FUND ADVISORY COMMITTEE

AGENDA

Thursday, February 28, 2019, 8:30 a.m.

(Rescheduled from Cancelled February 22nd Meeting)

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), and at <http://www.truckeeriverfund.org/meetings.shtml>
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. Discussion and action for the Committee to elect a temporary presiding officer for the Thursday, February 28th meeting (**for possible action**)
5. Approve the October summary meeting minutes (**for possible action**)
6. Review and approve 2019 calendar (**for possible action**)
7. Fund balance report*
8. Review grant proposals to Truckee River Fund and select projects to be recommended for funding (**for possible action**)[†]
9. Discuss possible revisions to Fall Request for Proposals application (**for possible action**)
10. Committee and staff comments*
11. Next meeting: May 17, 2019 (**for possible action**)
12. Public comment (limited to no more than three minutes per speaker)*
13. Adjournment (**for possible action**)

MEETING MINUTES (TRANSCRIPT SUMMARY)

TRUCKEE RIVER FUND ADVISORY COMMITTEE MEETING OF OCTOBER 19, 2018

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, October 19, 2018.

Those Present: Committee Members: Janet Phillips, Chairman; Susan Lynn, Vice Chairman; Michael Cameron**; Mike Brisbin; Candice Elder; Don Mahin; and Brian Bonnenfant. Also: Lauren Renda, Community Foundation of Western Nevada; John Enloe and Sonia Folsom, both with TMWA; and Sylvia Harrison, Esq., McDonald Carano, LLP; Members of the Public: Theresa Jones, City of Reno; Tracy Peterson Turner, CAP, Ph.D.; Iris Jehle-Peppard, One Truckee River; Christi Cakiroglu, Keep Truckee Meadows Beautiful; and Nick Tscheekar, Community Foundation of Western Nevada.

* 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: Christi Cakiroglu commented that yesterday she was in Las Vegas where Keep Truckee Meadows Beautiful received the Governor's Points of Light award for their nonprofit volunteer program. She brought the award with her today to share with everyone and thanked the Truckee River Fund for their support because they were able to get large volunteer groups out in the community, adding that they had over 760 volunteers for the River Cleanup last Saturday.

Janet Phillips commented that last night at the EDAWN annual awards ceremony, the Tahoe-Pyramid Trail received the Presidential Award for the community.

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

Agenda Item #4: Approve the August summary meeting minutes (for possible action): The Meeting Minutes (Transcript Summary) for August 17, 2018 was unanimously approved.

Agenda Item #5: Discussion of non-response to RFP and possible next steps toward improved river sanitation (for possible action): Janet stated that we put out a special

focused RFP for sanitation, that we received no responses, even though there were previous indications that there might be a proposal, and so the purpose here is to see if we can generate some ideas, solutions, next steps. She indicated that to start with, John Enloe, Iris Jehle-Peppard and Christi Cakiroglu all had comments and/or a presentation to give on this item.

John Enloe with TMWA talked about the headway that was being made with the City of Reno regarding the Portland Loo type of rest room along the river, but that there were some issues regarding location, who would pick up the maintenance costs, and the timing of it due to community activity going on addressing the homelessness issue. He talked about the idea of TMWA providing the location, possibly near Brodhead Park and the Reno Police Department, and that Iris Jehle-Peppard has been working her way through the community to promote that concept.

Iris Jehle-Peppard with One Truckee River gave a slide presentation and talked about One Truckee River and what it encompasses, that rest rooms along the river is just one aspect, homelessness being the big issue. She went over the history of One Truckee River and how Christi at Keep Truckee Meadows Beautiful partnered with Alicia at Nevada Land Trust, that they came to an understanding that there is not one sole government agency that feels that this is their challenge to address, that they then brought together 130 stakeholders, and they came up with the One Truckee River Plan. She described the plan and the support it has received and how what the plan is trying to do is outside the box from the get-go, pioneering a process, and about how they realized the best way to leverage the core group's limited capacity is to be a circuit between potential project leaders and funders connected to action items. She added that she and Christi are starting to work with Nevada HOPES and their hypodermic syringe program; that she's working with Lieutenant Wiatrowski from the City of Sparks to support clarifying communication between Reno and Sparks police departments when they go out to the river; and then she's working with Sergeant Wade Clark from the City of Reno to understand their constraints when they go to the river to do outreaches or sweeps. Then she went over the work they've done regarding the rest room situation, stating that a Portland Loo is the best type of rest room to purchase for along the river, but that the stopping points include the cost and that elected officials aren't hearing from their constituents that this issue needs to be addressed now. What they propose is that TMWA be the leader, and that they then gain somebody outside the government, such as Renown. She also proposed that Volunteers of America be the services provider to clean the rest room and, more importantly, engage with the currently homeless individuals to foster a cultural respect along the river. She went over some challenges involved, stating that they've learned everything that's going on and now they need to figure out how does One Truckee River support everything going on to address this issue.

Christi Cakiroglu with Keep Truckee Meadows Beautiful commented that this has been a very difficult, complex project, that it comes down to either don't do anything, or do something. She said it is time to get the elected officials out there so they can see the mess, and that they need to have skin in the game to understand how bad it is so they can increase

city budgets and make some action. Also, we need to engage more residents in talking with local elected officials. Because now we have a plan that just needs to be implemented.

John, Iris and Christi answered questions, and there was a lengthy discussion by the whole group regarding the location and the cost of installing and maintaining rest rooms by the river, comparisons of different types of rest rooms, the problems that go along with having rest rooms along a river but that we need to have amenities for people to use especially if we ever have a greenbelt along our river like other cities do. It was noted that all the elements seem to be in place for a package that includes the construction cost from this group, maintenance maybe from Renown, the personal touch from Volunteers of America, the property from TMWA, and also about how to meet TMWA's goal of getting somebody else to apply for a grant to partner with TMWA on this project. Tracy Turner provided input that if TMWA were to fund this, that it could impact the amount that it awards this group every year. Theresa Jones asked Iris to come give this presentation to the Stormwater Permit Coordinating Committee that she's coordinator for. Nick Tscheekar stated that sanitation isn't really his area, but announced that a housing project coming up called the Village on Sage Street will have single-occupancy rooms for \$400 a month, and he could send the link out if anyone knows someone in need. Sylvia provided input regarding agenda items. We would welcome a proposal on our next cycle on this subject. No action was taken.

Agenda Item #6: Review completed projects:

Regarding #183, City of Reno, Truckee River Cleanup Crew - Year 3, Susan reported that the City had completed all the tasks, to return unspent money to the Truckee River Fund. The goal was reached and exceeded by normal standards, meaning that they cleaned up a higher amount of trash, but permanent cleanliness does not seem to be possible, that the goal line keeps moving out, and it's unreachable under current social responses to homelessness. The City deems the project a success, but trash pickup is not permanent, it will always require maintenance, so a permanent fix is beyond the capability of the Reno Parks Department.

Regarding #128, Truckee River Watershed Council, Truckee River Big Chief Corridor Restoration, Candice reported that TRWC and partnering organizations Forest Service, CalTrans, and Tahoe City PUD completed a restoration project in a high priority area on the main stream of the Truckee River. It was restoration of six river, wetland and meadow sites, three from the Truckee River Fund grant and three from the matching grant. They met expectations and met stated goals.

Regarding #147, The Nature Conservancy, Optimizing Restoration Investments in the Truckee River Watershed, Candice reported that they completed activities specified in the proposal. Key stakeholders, Forest Service and TMWA, are eager to continue working together to better understand risks, plan accordingly, work toward implementing the appropriate land management actions to reduce risk. TNC scientists from the Natural Capital Project and UCSB worked together to prepare a paper titled "Informing Watershed Planning

and Policy in the Truckee River Basin Through Stakeholder Engagement, Scenario Development and an Impact Evaluation" published in the Journal of Environmental Science and Policy. The level of stakeholder outreach conducted for the study created a high degree of buy-in and a high level of credibility for the study, and this publication has increased the credibility of the effort, which was a success. The TNC will continue working with key RIOS study stakeholders, elected officials and other community leaders in the second phase of research. And they will analyze watershed health, wildfire and climate change risks, sediment loading of the river, post-wildfire, climate change, ecosystem and economic impact of those events, and the ability to mitigate those impacts through improved land management action.

Regarding #134 and #144, combined City of Reno projects regarding the Highland Canal, Lauren reported for Michael that they completed the activities specified in the proposal. The project mitigated substantial threats to water quality in the Highland Canal upstream of TMWA's Chalk Bluff water treatment plant facility and improved stormwater quality conveyed to the Truckee River. The total for the construction was just over \$3.8 million. They met expectations as far as deeming their project a success. They met their stated goals. The project completion date was December 4th, 2017.

Regarding #181, Truckee Donner Land Trust, Webber Lake and Little Truckee River Headwater Management, Lauren reported for Michael that they completed activities specified in the proposal. The exact location of forest treatments was changed but still done for the same objectives as in the original proposal. The final grant report indicated they did not meet their match requirement. The project manager, John Svahn, will be submitting an updated grant report. She stated she'll keep an eye on that and relay that to the committee when they receive that. They met expectations as far as the project success, and they met their stated goals.

Agenda Item #7: Discuss possible revisions to RFP application: The group discussed this ongoing agenda item, with input from Sylvia regarding adding to the agenda for a future meeting some items that came out of the discussion, such as getting proposals that aren't directly related to TMWA ratepayers; why should TMWA pay if there is another base of ratepayers that ought to be paying; and projects downstream versus upstream of the water intakes. Lauren indicated she has a full report from a survey she did regarding all projects that had any downstream component, which she'll send out to the group.

Agenda Item #8: Committee and staff comments: There were none.

Agenda Item #9: Next meeting: February 22, 2019 at 8:30am (for possible action): The next meeting is scheduled for February 22, 2019, at 8:30am. Janet requested anyone wanting an item on that agenda to let her, Sonia or Lauren know; otherwise, the agenda will be predominantly proposal review. No action was taken.

Agenda Item #10: Public comment (limited to no more than three minutes per speaker): Theresa Jones commented that she was reluctant last time to apply for funds that she wanted, because has felt that the proximity to the intakes was a critical piece, and so she thinks downstream users might feel discouraged from applying.

Sonia Folsom commented that John Enloe had to leave for another meeting, but that at the last couple of TMWA Board meetings there was discussion about the ongoing funding for continuous projects, the ones we see every cycle and every year, and that there was a request for a more solid report. If there's more discussion on that at the TMWA January or February TMWA meeting, then we'll bring it back to the TRF February meeting about possibly providing something.

Tracy Turner commented regarding Sonia's comment and how that places much more importance on those final reports and how the fund advisors process them. She commented also that this could be a really good way of reinforcing to those TMWA Board members the importance of the need for the community to come together around the rest room situation, that ongoing funding from TRF is continuing to clean up tons and tons of trash. Sonia added that she'll be reporting to the TMWA Board in January about the 27,000 bags of trash mentioned in an article in a newsletter.

Agenda Item #11: Adjournment (for possible action): The meeting adjourned at 10:17 a.m. No action was taken.

Truckee River Fund
2019 DRAFT Calendar

January 3	RFP distributed
January 16	10 a.m. TMWA Board meeting
February 8	RFP/Grant applications due
February 11	11 a.m. Executive Committee meeting to set agenda (cancelled)
February 20	10 a.m. TMWA Board meeting
February 22	8:30 a.m. TRF Advisory Committee meeting
CANCELLED	<ul style="list-style-type: none"> • Review project proposals • Review/Approve 2019 calendar • Schedule Fieldtrip(s)
February 28	8:30 a.m. TRF Advisory Committee meeting
	<ul style="list-style-type: none"> • Review project proposals • Review/Approve 2019 calendar • Schedule Fieldtrip(s)
March 20	10 a.m. TMWA Board meeting
May 6	11 a.m. Executive Committee meeting to set agenda
May 17	8:30 a.m. TRF Advisory Committee meeting
	<ul style="list-style-type: none"> ▪ Discuss nominations for officers (even years)
TBD	Fieldtrip
June 14	RFP distributed
June 19	10 a.m. TMWA Board meeting
July 13	TMWA picnic
July 17	10 a.m. TMWA Board meeting
August 2	RFP/Grant applications due
August 5	11 a.m. Executive Committee meeting to set agenda
August 16	8:30 a.m. TRF Advisory Committee
	<ul style="list-style-type: none"> • Review project proposals • Elect officers (even years)
September 18	10 a.m. TMWA Board meeting
October 16	10 a.m. TMWA Strategic Planning Workshop
November 11	11 a.m. Executive Committee meeting to set agenda
November 22	8:30 a.m. TRF Advisory Committee
	<ul style="list-style-type: none"> • Review/Approve 2020 calendar
**December 12	10 a.m. TMWA Board meeting

**Denotes change to date.



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Cover Sheet

Date: January 28, 2019

Organization Name:	Sierra Nevada Journeys																				
Type:	501(c)(3) EIN#01-0881587	Governmental entity? No																			
Address:	190 E. Liberty Street																				
Project Name:	Watershed Education Initiative																				
Amount requested: \$36,207	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 local issues associated with the Truckee River, such as water quality and invasive species while empowering youth to protect and enhance the quality of the Truckee River. Significantly increase parent engagement, citizen science, and volunteer components to increase the long-term sustainability of our Watershed Education Initiative, thereby fostering 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:																					
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 2018</td> </tr> <tr> <td>Project title:</td> <td>Watershed Education Initiative</td> </tr> <tr> <td>Amount of Award:</td> <td>\$36,207</td> </tr> <tr> <td>Date awarded:</td> <td>March 2018</td> </tr> <tr> <td>Project title:</td> <td>Watershed Education Initiative</td> </tr> <tr> <td>Amount of Award:</td> <td>\$46,376</td> </tr> <tr> <td>Date awarded:</td> <td>October 2017</td> </tr> <tr> <td>Project title:</td> <td>Watershed Education Initiative</td> </tr> <tr> <td>Amount of Award:</td> <td>\$35,065</td> </tr> </table>			Date awarded:	October 2018	Project title:	Watershed Education Initiative	Amount of Award:	\$36,207	Date awarded:	March 2018	Project title:	Watershed Education Initiative	Amount of Award:	\$46,376	Date awarded:	October 2017	Project title:	Watershed Education Initiative	Amount of Award:	\$35,065
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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.

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 eight years, Sierra Nevada Journeys' (SNJ) Watershed Education Initiative (WEI) has impacted nearly 8,000 students and over 475 educators. This has been made possible in no small part 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. Through WEI, we will successfully meet the following objectives:

Outputs	Outcomes
Deliver WEI to 875 K-8th grade students from throughout northern Nevada.	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.
All students receive first-hand experience with the local watershed through a field-study on the Truckee River or one of its tributaries.	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.
97 parents and community members volunteer for the program and serve 583 educational service hours.	
Provide 32 teachers with WEI extension lessons.	

Methods to measure outcomes: Pre- and post-assessments are completed by each participating student. Each teacher completes a survey. Both are scored and compiled by SNJ staff. A third-party consultant from the NV Department of Education's assessment office 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** The three main field sites for this program will be the Truckee River at the McCarran Ranch Preserve, (managed by The Nature Conservancy in Nevada) Galena Creek Regional Park (managed by Washoe County Regional Parks and Open Space), and the Oxbow Nature Study Area (managed by the Nevada Department of Wildlife). These locations are convenient and close to home for local students, increasing their sense of ownership, awareness and comfort with accessible nature areas.

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 875 students in 32 classrooms throughout northern Nevada. 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 around the Truckee or one of its tributaries. 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 with the Truckee River, explore human impacts on their water source,

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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and obtain skills and knowledge to help protect the watershed. The overall long-term program impacts include:

- Students understand important science concepts related to the Truckee River watershed and can articulate how their actions affect the Truckee River watershed and local ecosystems.
- 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 **3** Part-time **6**

10. Number of **volunteers involved:** **97** volunteers (including field educators and parent volunteers) will donate **583** 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	2019					
	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 875 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.						



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12. Success.

Outputs	Tracking
<p>Deliver watershed education to 875 K-8th grade students from throughout northern Nevada.</p> <p>All students receive first-hand experience with the local watershed through a field-study on the Truckee River or one of its tributaries.</p> <p>97 parents and community members volunteer for the program and serve 583 service hours.</p> <p>Provide 32 teachers with WEI extension lessons.</p>	<p>Internal SNJ database – Updated regularly throughout the year</p>
Outcomes	Tracking
<p>80% of students can correctly identify, label, and diagram the Truckee River Watershed.</p> <p>70% of students will use knowledge of storm drains to describe how individuals and communities can protect watersheds.</p> <p>80% 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>90% of teachers will report that the program is helping to build critical thinking skills among their students.</p>	<p>Pre- and post-assessments - reviewed after the end of each program and presented in report at end of grant period</p> <p>Teacher surveys</p>

13. Grant Match

Match amount to be provided:		\$15,155 (30% of requested funds)
Match details:	Match is:	
	Cash	\$ 2,917
		\$12,238
	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	Total	SNJ Match	Request
Program Coordinator/ Instructor	Program Instructor - In-class instruction (5 hours/class), field study (5 hours/class), Program prep and wrap up (10 hours/class), travel time (5 hours/class) = 25 hours per class / 27 kids per class	\$14,705	\$0	\$14,705
Education Director	Education Director - Coordination (2 hours/class), Parent volunteer/chaperon communication and scheduling (1 hour/class), Field-study instruction (4.5 hours/class), Extension lessons (1 hour/class), Observations and management (3 hours/class) = 11.5 hours per class / 27 kids per class	\$13,044	\$0	\$13,044
Director of Communications	Director of Communications - Recruitment and extension lesson delivery = 2 hours per plan / 27 kids per class	\$1,815	\$0	\$1,815
Volunteers	An average of 3 volunteers per field-study dedicate 6 hours to helping guide and facilitate the program = 18 hours per class / 27 kids per class. Independent Sector Value of Volunteer time in Nevada = \$20.98/hour	\$12,238	\$12,238	\$0
Printing Costs	\$1 per student. Field-science journals are used by students and are an integral component to the education program. SNJ prints teacher packets with detailed information about delivery and implementation of the program, as well as student assessments for before and after each unit.	\$875	\$0	\$875
Program Supplies	\$1 per student. Funds supplies (pencils, glue sticks, popsicle sticks, etc.) used during hands-on student activities.	\$875	\$0	\$875
Travel	Avg. 15 miles roundtrip * 4 (3 class, 1 field) = 60 miles * .54 per mile (federal rate of reimbursement) per class / 27 kids per class	\$1,050	\$0	\$1,050
Student Transportation (School Bus)	Average \$90/trip per class / 27 kids per class	\$2,917	\$2,917	\$0
Overhead Costs	13% indirect/overhead rate (rent, utilities, phone, etc.) on personnel only.	\$3,843	\$0	\$3,843
		\$51,362	\$15,155	\$36,207



**COMMUNITY
FOUNDATION**
of Western Nevada

**Cover Sheet****Date:** February 4th, 2019

Organization Name:	Truckee Meadows Parks Foundation																										
Type:	501(c)(3) EIN# 45-4837735	Governmental entity? Y/ N																									
Address:	50 Cowan Drive, Reno, NV 89509																										
Project Name:	Truckee Meadows Nature Study Area: First Year Operational Phase																										
Amount requested: \$120,000	Website: tmparksfoundation.org																										
This funding will be used to (complete this sentence with a max of 2 sentences):	Execute a community supported master plan to repurpose the former Rosewood Lakes Golf Course into the Truckee Meadows Nature Study Area. The nature study area will serve as an outdoor learning laboratory and community green space.																										
Key People:	<table border="1"> <tr> <td>Director:</td> <td colspan="3">Heidi Anderson</td> </tr> <tr> <td>Board Chair:</td> <td colspan="3">Elisa Davis</td> </tr> <tr> <td rowspan="5">Project Contact:</td> <td>Name:</td> <td colspan="2">Elena Larsen</td> </tr> <tr> <td>Position:</td> <td colspan="2">Wetland Restoration Program Director</td> </tr> <tr> <td>Phone:</td> <td colspan="2">(775) 360-6068</td> </tr> <tr> <td>Fax:</td> <td colspan="2">N/A</td> </tr> <tr> <td>Email:</td> <td colspan="2">elena@tmparksfoundation.org</td> </tr> </table>			Director:	Heidi Anderson			Board Chair:	Elisa Davis			Project Contact:	Name:	Elena Larsen		Position:	Wetland Restoration Program Director		Phone:	(775) 360-6068		Fax:	N/A		Email:	elena@tmparksfoundation.org	
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	Phone:	(775) 360-6068																									
	Fax:	N/A																									
	Email:	elena@tmparksfoundation.org																									
Organization Mission:	Truckee Meadow Parks Foundation strives to enhance the quality of life for all citizens of the greater Reno-Sparks metropolitan area by ensuring the long-term sustainability and improvement of our parks. We accomplish this by offering park-based educational and recreational programs designed to increase community-wide awareness, appreciation, and stewardship of our parks.																										
Has your organization received other grants from the Truckee River Fund? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (use additional page if necessary)	If yes, <table border="1"> <tr> <td>Date awarded:</td> <td>October 4th, 2018</td> </tr> <tr> <td>Project title:</td> <td>Truckee Meadows Nature Study Area Project: Planning Phase</td> </tr> <tr> <td>Amount of Award:</td> <td>\$38,400</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:	October 4 th , 2018	Project title:	Truckee Meadows Nature Study Area Project: Planning Phase	Amount of Award:	\$38,400	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:

- ☐ 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.



TRUCKEE MEADOWS PARKS FOUNDATION

AWARENESS • APPRECIATION • STEWARDSHIP

Truckee Meadows Nature Study Area Project: First Year Operational Phase

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

The overarching goal of the Truckee Meadows Nature Study Area (TMNSA) project is to repurpose the former Rosewood Lakes Golf Course into a high-quality wetland habitat and nature study area. TMNSA will serve as an outdoor learning laboratory where community members, families, and visitors come to understand the value of wetlands and the Truckee River watershed. The high level of accessibility makes this location an ideal spot for water and watershed education. The Parks Foundation has submitted an AmeriCorps operational grant with anticipated funding of \$151,909 for this purpose. During the first year of the operational phase, the wetland restoration program director will lead a team of 14 AmeriCorps wetland restoration technicians whose primary service responsibilities will be to remove undesirable invasive species while concurrently revegetating with competitive, native plant species. To establish this area as an educational and recreational site, AmeriCorps members will also build and maintain bridges and trails, construct bird blinds for wildlife viewing, develop and place interpretive signage, and lead community members in educational volunteer and restoration events. A restored wetland system will offer much more engaging educational programs to the community.

Restoration outcomes will be measured through a combination of qualitative and quantitative analyses including photo point sites and drone imagery, as well as transects plotted using GIS software. These evaluation techniques will allow Truckee Meadows Parks Foundation (TMPF) staff and AmeriCorps members to accurately assess restoration efforts. Assessments will include percent cover of invasive species removed and amount (number of individuals or pounds of seed) of native plants established. Outcomes will also include reaching 500 community members through educational programs and events. For each grant year, TMPF will seek match funding from multiple sources to continue long-term restoration. TMPF will submit a final report and self-evaluation to the Truckee River Fund and the Washoe Storey Cooperative Weed Management Area members (WSCWMA) in September 2020.

2. Project location.

The former Rosewood Lakes Golf Course is a 219-acre property owned by the City of Reno. It is located on the east side of Reno between the Reno-Tahoe International Airport and the Virginia Range. The parcel contains approximately 60 acres of wetland and is contiguous with Steamboat Creek, the most important tributary to the Truckee River (Horton 1997). The location is unique in that it borders both Reno and Sparks, making it highly accessible. Approximately 145 acres of the property are infested with target noxious weeds. See page eight for the proposed Truckee Meadows Nature Study Area site map.

3. Project description.

The property formerly known as the Rosewood Lakes Golf Course is one of the last vestiges of wetland habitat in the Truckee Meadows. The proposed TMNSA has been overtaken by multiple non-native plant species listed on the Nevada Noxious Weed List and the (WSCWMA) high-priority list. Noxious weeds present include, but are not limited to, tall whitetop (*Lepidium latifolium*), poison hemlock (*Conium maculatum*), and puncture vine (*Tribulus terrestris*). These invasive plant species are known to



TRUCKEE MEADOWS PARKS FOUNDATION

AWARENESS • APPRECIATION • STEWARDSHIP

outcompete and exclude most native plants. Invasives have been identified by Sherman Swanson, Rangeland and Riparian Specialist at the University of Nevada, Reno and an expert in plant identification. Elena Larsen, the Wetland Restoration Program Director, is an active member of the WSCWMA and has experience in plant identification. She will continue her formal weed identification and management training in 2019. Haley McGuire, Truckee Meadows Parks Foundation Special Program Manager, has an extensive background in plant identification and has attended both the Riparian Plant Identification training by Jerry Tiehm and the Proper Functioning Condition Assessment for Integrated Riparian Management classes in 2018.

With \$151,909 in anticipated funding from the AmeriCorps operational grant and the requested \$120,000 grant from the Truckee River Fund, TMPF will recruit 14 AmeriCorps Wetland Restoration Technicians to begin on the ground restoration efforts at TMNSA. Members' main focus during this first year operational year will be to restore the wetland area by removing invasive species while concurrently planting and caring for desirable, competitive species — a proven methodology for native species recovery (Flory and Clay 2009). AmeriCorps members will receive education and training regarding weed prevention best management practices. Additionally, these members will lead volunteer and restoration events to engage and educate the community about noxious weeds and their effect on watersheds.

Over the course of the this operational year, environmental data will be collected, analyzed and used to evaluate effectiveness of the different restoration practices. Techniques can then be adjusted to ensure best practices are being utilized for weed removal. These analyses will consist of a multi-year monitoring plan to assess the success of control efforts, as AmeriCorps grants typically run on three-year cycles. Data will also be captured in GIS and provided to the Nevada state weed mapper throughout the project. Furthermore, Steamboat Creek runs contiguous with this parcel, and therefore, restoration of this land reduces the potential for weed spread to the Truckee River and adjacent properties.

In the summer of 2020, TMNSA is scheduled to open to the public and host educational programs and stewardship events to engage and educate the community regarding invasive plants and the watersheds they affect. A restored wetland will allow these programs to better show the community what effect noxious weed removal can have on an environment. Prior weed management events on the property have shown community interest in noxious weeds, how to identify them, and ways to remove them. Local agencies and organizations will be able to access the site for their educational programs as well. The restoration of this invaluable habitat will provide immense ecological benefits to the wetland and its surrounding waters and preserve a rare ecosystem that once spanned the majority of the Truckee Meadows. Furthermore, TMNSA will provide opportunities for recreation, public education, improved health and wellness, and foster a deeper appreciation for the intrinsic value of natural spaces.

4. Grant priorities.

The Truckee Meadows Nature Study Area (TMNSA) project advances priorities VI (Stewardship and Environmental Awareness) and VIII (Leverage Stakeholder Assets and Participation). The TMNSA project advances priority VI in that the Parks Foundation will use TMNSA as an outdoor classroom where community members can participate in volunteer and restoration events and educational programs related



TRUCKEE MEADOWS PARKS FOUNDATION

AWARENESS • APPRECIATION • STEWARDSHIP

to weed awareness, water, water quality, and watershed protection. The TMNSA project will involve multiple stakeholders, including the City of Reno, Nevada Department of Wildlife, Nevada Land Trust (One Truckee River), University of Nevada Reno, The Nature Conservancy, Truckee River Flood Management Authority, Walker Basin Conservancy, and Lahontan Audubon Society to encourage collaborative efforts in all aspects of river water quality, watershed protection, source water protections, species enhancement, and to promote the missions of all involved agencies. The Parks Foundation has leveraged community members from a breadth of disciplines willing to contribute time and expertise for the TMNSA advisory board, therefore advancing priority VIII.

5. Permitting.

The Parks Foundation is currently using the former Rosewood Lakes Clubhouse as office space on a one-year operational permit and is in the process of negotiating terms for a long-term lease. At this time, there are no other required permits. Further permitting requirements will be assessed in the future.

6. Future land use.

There are currently no foreseeable zoning, land use, or development plans that may affect the TMNSA project in this first year of the operations.

7. Future phases.

Following the initial operational phase, the Parks Foundation will reapply for AmeriCorps funding to begin in September 2020. The Parks Foundation will apply to various regional grantors and partners to support later stages of the TMNSA project. The generous support of the Truckee River Fund will allow TMPF to gather precise data from the restoration project, greatly increasing our competitiveness when applying for larger scale federal grants that will fund TMNSA into the future.

8. Principals involved.

Truckee Meadows Parks Foundation Executive Director, Heidi Anderson, and Wetland Restoration Program Director, Elena Larsen, M.S., will be the principals involved in the coordination of the project.

9. Staff positions involved.

Full time (1): Wetland restoration program director (100%)

Part-time (3): Special Programs Manager (50%), Development Officer (25%), Executive Director (25%)

10. Volunteers involved.

In order to gauge interest in the repurposing of the former Rosewood Lakes Golf Course, the project has involved community members' input during public presentations. During the operational phase of this project, the 14 AmeriCorps wetland restoration technician will serve alongside community volunteers who will be recruited and managed by the Parks Foundation's Wetland Restoration Program Director and Community Engagement Coordinator AmeriCorps VISTA. Volunteers will participate in multiple community restoration events.



TRUCKEE MEADOWS PARKS FOUNDATION

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11. Timeline.

August 2019: The initial planning phase will close and the Parks Foundation will deliver the City of Reno approved TMNSA plan, final report, and self-evaluation to the Truckee River Fund and the Washoe Storey Cooperative Weed Management Area members.

September 2019: The anticipated AmeriCorps operation grant will commence and six AmeriCorps wetland restoration technicians will begin service at TMPF.

October 2019: AmeriCorps technicians will establish test plots on the wetland under the supervision of the Wetland Restoration Program Director.

November 2019: AmeriCorps technicians will begin removing invasive species using either manual or mechanical removal techniques.

December 2019: The Wetland Restoration Program Director and AmeriCorps members will conduct the first analysis of plot data. These analyses will be performed quarterly.

January 2020: The Parks Foundation development team will submit an application for the AmeriCorps State and National Competitive Operational Grant for the 2020-2021 year to support the TMNSA project.

March 2020: AmeriCorps members begin planting competitive, native species on the wetland property.

April 2020: Eight additional AmeriCorps Wetland Restoration Technicians will begin service at TMPF.

July 2020: TMNSA will open to the public and begin offering educational programs and events.

August 2020: AmeriCorps operational grant and Truckee River Fund grants close and the Parks Foundation will submit a final report and self-evaluation to the Truckee River Fund and the Washoe Storey Cooperative Weed Management Area members (WSCWMA) in September 2020.

12. Success.

Success will be measured by the amount of undesirable, noxious weeds removed and the establishment of competitive, native plant communities. We will also measure success by tracking the number of citizens engaged in volunteer restoration events and other public education programs offered on-site. The Parks Foundation will track these data and submit them in the Truckee River Fund final report in August 2020.

13. Grant match.

Truckee Meadows Parks Foundation has submitted an AmeriCorps operational grant that will award \$151,922 in anticipated funding from the Corporation for National and Community Service to begin the project. The project total is \$278,502 with \$120,000 being the requested amount from the Truckee River Fund. TMPF intends to use \$60,000 of the anticipated AmeriCorps operational funding as match for the requested Truckee River Fund grant. If TMPF does not receive the AmeriCorps operational grant, the Parks Foundation is prepared to use general funds for the 50% match. More than 50% of on-the-ground control costs for both the planning and operational phases will be contributed by project cooperators.

14. Project Budget.

Please see page 6.



TRUCKEE MEADOWS PARKS FOUNDATION

AWARENESS • APPRECIATION • STEWARDSHIP

TRUCKEE MEADOWS NATURE STUDY AREA PROJECT BUDGET

Budget Item Description	TRF \$	*AmeriCorps Operational Grant	Match \$	Total
Wetland Restoration Program Director	\$20,456	\$21,503	\$10,228	\$52,187
Wetland Restoration Technicians	\$69,933	\$73,546	\$34,966	\$178,445
Member Supplies (Field tools, GPS units, GIS software, etc)	\$22,451	\$1,895	\$11,226	\$35,572
Staff Travel and AmeriCorps Annual Conference	\$0	\$1,558	\$0	\$1,558
Administrative Overhead (Utilities, Insurance, Repairs, Telephone, Internet, etc.)	\$7,160	\$0	\$3,580	\$10,740
TOTAL	\$120,000	\$98,502	\$60,000	\$278,502

*The AmeriCorps Operational Grant has been submitted and is pending review. Truckee Meadows Parks Foundation will be notified in spring 2019 if the project has been funded.



**COMMUNITY
FOUNDATION**
of Western Nevada



Grant Match

Match amount to be provided:		\$60,000
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	\$60,000
	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:	Truckee Meadows Parks Foundation has submitted a \$151,909 operation grant to the Corporation for National and Community Service to allow 14 AmeriCorps members to begin on the ground restoration efforts at the future, public Truckee Meadows Nature Study Area. This project will match the requested \$120,000 from Truckee River Fund with \$60,000 from the anticipated operational grant; a 50% match.	

ATTACHMENTS

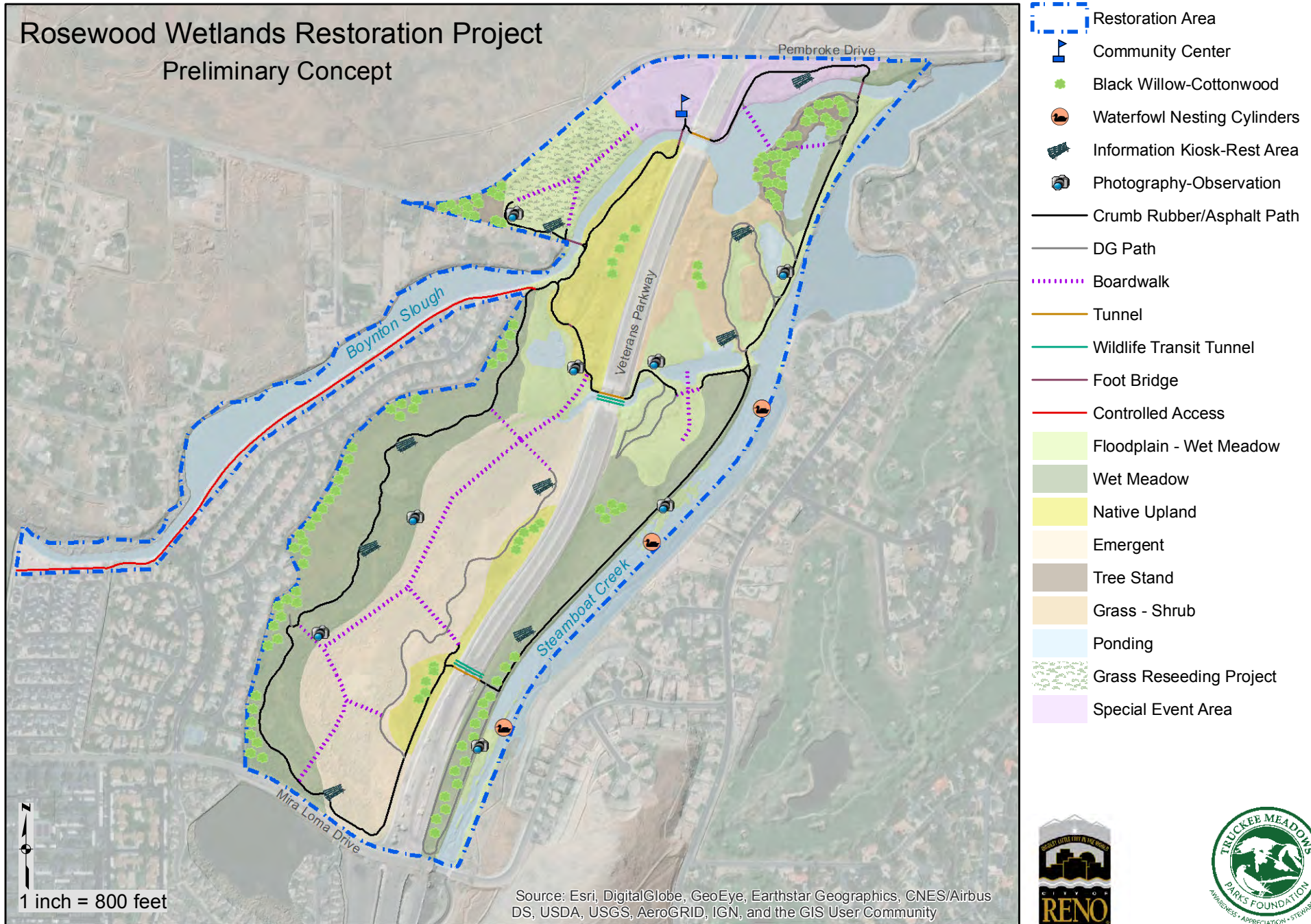
You may be asked to submit the following attachments via email. If you are asked to submit the attachments, clearly label each file with your organization's name. If you do not have the ability to email them, place each of the items listed below on a separate page and submit just one copy.

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



This map is for illustrative purposes only. It does not represent a survey. No liability is assumed as to the sufficiency or accuracy of the data delineated hereon.





TRUCKEE MEADOWS PARKS FOUNDATION

AWARENESS • APPRECIATION • STEWARDSHIP

Truckee Meadows Nature Study Area Project Works Cited

- Birch, G.F., Matthai, C., Fazeli, M.S. et al. 2004. Efficiency of a Constructed Wetland in Removing Contaminants from Stormwater. *Wetlands* 24: 459.
- Flory, S.L. and Clay, K. 2009. Invasive Plant Removal Method Determines Native Plant Community Responses. *Journal of Applied Ecology* 46: 434-442.
- Horton, G. 1997. Truckee River Chronology: A Chronological History of Lake Tahoe and the Truckee River and Related Water Issues. Nevada Division of Environmental Protection: I-10.

Grant application to the *Truckee River Fund*
from the
Truckee River Watershed Council
McIver Dairy Meadow Restoration Project Implementation

#216

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:	McIver Dairy Meadow Restoration Project																				
Amount requested: \$200,000	Website: www.truckeeriverwc.org																				
This funding will be used to (complete this sentence with a max of 2 sentences):	Complete construction of the McIver Dairy Meadow Restoration Project to reduce excess sediment discharge to the main stem of the Truckee River.																				
Key People:	<table border="1"> <tr> <td>Director:</td> <td colspan="2">Lisa Wallace</td> </tr> <tr> <td>Board Chair:</td> <td colspan="2">Michael Park</td> </tr> <tr> <td rowspan="5">Project Contact:</td> <td>Name:</td> <td>Matt Freitas</td> </tr> <tr> <td>Position:</td> <td>Program Manager</td> </tr> <tr> <td>Phone:</td> <td>(530) 550-8760 x 6#</td> </tr> <tr> <td>Fax:</td> <td>N/A</td> </tr> <tr> <td>Email:</td> <td>mfreitas@truckeeriverwc.org</td> </tr> </table>			Director:	Lisa Wallace		Board Chair:	Michael Park		Project Contact:	Name:	Matt Freitas	Position:	Program Manager	Phone:	(530) 550-8760 x 6#	Fax:	N/A	Email:	mfreitas@truckeeriverwc.org	
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	Position:	Program Manager																			
	Phone:	(530) 550-8760 x 6#																			
	Fax:	N/A																			
	Email:	mfreitas@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)	<p>If yes,</p> <table border="1"> <tr> <td>Date awarded:</td> <td>October 2018</td> </tr> <tr> <td>Project title:</td> <td>Restoration Projects: Donner Creek and Dry Creek Meadow</td> </tr> <tr> <td>Amount</td> <td>\$92,000</td> </tr> <tr> <td>Date awarded:</td> <td>March 2018</td> </tr> <tr> <td>Project title:</td> <td>Truckee Meadows Restoration Project- Phase 2</td> </tr> <tr> <td>Amount:</td> <td>\$30,000</td> </tr> <tr> <td>Date awarded:</td> <td>October 2017</td> </tr> <tr> <td>Project title:</td> <td>Truckee River Tributaries Sediment Reduction Project</td> </tr> <tr> <td>Amount:</td> <td>\$165,00</td> </tr> </table> <p>Please see Attachment A for a full list of awarded grants</p>			Date awarded:	October 2018	Project title:	Restoration Projects: Donner Creek and Dry Creek Meadow	Amount	\$92,000	Date awarded:	March 2018	Project title:	Truckee Meadows Restoration Project- Phase 2	Amount:	\$30,000	Date awarded:	October 2017	Project title:	Truckee River Tributaries Sediment Reduction Project	Amount:	\$165,00
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DESCRIPTION OF PROJECT UNDER CONSIDERATION

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- ☒ 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.

Grant application to the *Truckee River Fund*
from the
Truckee River Watershed Council
McIver Dairy Meadow Restoration Project Implementation

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

The goals of the McIver Dairy Meadow Restoration Project are to restore and enhance the hydrologic function of an impaired wetland complex, restore historic wetland and floodplain, and reduce excess sediment discharge to the main stem of the Truckee River.

The McIver Dairy Meadow is a known source of sediment pollution that drains directly to the Truckee River (River Revitalization Assessment 2018). We have identified several sources of impairment and degradation within the meadow. Some date back to the early 1900s when the site was used as a dairy farm. Others are more recent, associated with modern land uses and development. Their cumulative effect is the loss of natural hydrologic function within the meadow, which is exacerbated by the stormwater runoff discharged into the site. Due to the lack of functional floodplains and stream channels, the meadow is continually degraded and does not provide the “filtration” services of a healthy and functional wetland.

TRWC has worked closely with our project partner, the Town of Truckee, to develop a restoration project to address the degradation. We have completed 100% designs, environmental compliance and permitting, and pre-project monitoring data for the project. The Town is a strong supporter of the project and has provided funding and in-kind services to aid its development. We are now working to advance the project to implementation in 2019.

The measurable outcomes for the project are:

- Enhancement of hydrologic function for 4 acre meadow complex
- Restoration 1.25 acres of wetland habitats
- Increased shallow groundwater levels and infiltration
- Increased cover of “wetland” plant communities
- Attenuation of peak flows during storm events and reduced runoff rates
- Reduction in sediment discharge to the Truckee River of approximately 2 tons/year

We will monitor progress toward these outcomes via the project’s pre/post-monitoring program that includes groundwater levels, surface water flows, turbidity, vegetation communities, benthic macroinvertebrate communities, and rapid assessments. Most of these data are collected on a continual basis both pre and post project to allow for high-resolution analysis of project effectiveness.

This request is to fill a gap in construction funding.

2. Project location.

The McIver Dairy Meadow is located on Donner Pass Road in Truckee, CA, just northwest of downtown Truckee. It is a wetland complex, bounded by development including a hospital, commercial offices, and local and interstate roadways.

The site is a mosaic of seasonal marsh, wet meadow, riparian, seasonal wetland, and upland habitats following the course of a swale (very much like a small stream) that drains through the 4-acre site. (Attachment B). This swale terminates into a culvert that drains to the Truckee River. The site is approximately 300 meters upstream of the Truckee River and drains directly to the river.

3. Project description.

The project is a wetland and stream restoration project that seeks to reduce excess sedimentation of the Truckee River by addressing degradation caused by modern and historic land uses. We are requesting funding to help complete the implementation of the project.

Grant application to the *Truckee River Fund*
from the
Truckee River Watershed Council
McIver Dairy Meadow Restoration Project Implementation

The Problem: The McIver Dairy Meadow was historically used as a dairy farm. This historic use and more modern land uses have contributed to the degradation of the site and the function of its wetland resources. Without properly functioning wetlands and floodplains to slow, infiltrate, and filter runoff, it is flowing untreated directly to the Truckee River. Water quality monitoring at the site has indicated that the site contributes approximately 2 tons of sediment annually (TRWC 2018).

The Solution: The project has been a long-term priority for the Town of Truckee (landowner) and TRWC. In 2017, TRWC and the Town partnered on an assessment that identified sources of sediment pollution to the Truckee River from within the Town corridor and better characterized the issues and opportunities at the McIver site. TRWC used that information to develop 100% restoration designs and completed environmental compliance and pre-project monitoring at the site.

The overall restoration approach focuses on restoring hydrologic function to the wetland complex. This will improve habitat quality in this important urban refuge and will also promote improved water quality and reduced sediment discharge. At the upstream (western) end of the site, the design includes modifications to an existing pond to create a wetland bench and create a secondary outflow—rewatering dry portions of meadow. Continuing downstream, we will install “sod blocks” in the wetland swale to promote overbank flows into the surrounding meadow and floodplain.

In the central and downstream portions of the meadow, the design includes the removal of artificial fill adjacent the swale. This will create an inset floodplain with imported rootwads and woody material to disperse flows and provide habitat features. We will replace a failed culvert and protect the foundation of a historic dairy barn. Lastly, we will stabilize the outfall from a stormwater basin into the swale preventing continued erosion.

Gap in Construction Funding: TRWC successfully raised \$300,000 to fund the design, monitoring, environmental compliance, construction, and maintenance of this project from project partners and the State Water Resources Control Board. However, we have gap in construction funding that we seek to fill.

4. Grant priorities. The project addresses the following Truckee River Fund priorities

- **Watershed Improvements.** The project will decrease excess sedimentation to the Truckee River and support attainment of the 303 (d) listed TMDL pollutant by restoring the hydrologic function of the McIver Dairy Meadow. The restored floodplain and wetlands will attenuate high flows and filter runoff before it drains to the Truckee River.
- **Local Stormwater Improvements.** The project site receives stormwater inputs from adjacent roads and commercial development. The project will provide natural treatments for those inputs before reaching the main stem of the Truckee River. Note: the Town of Truckee and Caltrans are project partners and are addressing required stormwater management regulations.
- **Meet Multiple Objectives.** The projects meet the watershed and water quality objectives listed above. It also benefits wetlands and instream habitats, native fish and wildlife species, flood attenuation, and carbon sequestration.
- **Leverage Stakeholder Assets and Participation.** The project has leveraged partner participation and assets from the outset. The Town of Truckee was instrumental in early funding for the project and has been critical in completing the design and environmental compliance for the project.

5. Permitting.

TRWC and the Town of Truckee (CEQA lead) completed CEQA compliance in November 2018. Required permits include California Department of Fish and Wildlife 1600 agreement, Section 401 Water

Grant application to the *Truckee River Fund*
from the
Truckee River Watershed Council
McIver Dairy Meadow Restoration Project Implementation

Quality Certification, Section 404 Nationwide 27 and 43 permit, Town of Truckee Grading Permit, Construction General Permit, and Caltrans Encroachment Permit.

6. Future Land Use.

There are no foreseeable zoning, land use, or development plans that will affect the project or project site. The Town of Truckee owns and manages the site as open space and has recently completed a land-use plan to ensure the long-term sustainability of that public use. TRWC and the Town coordinated the restoration design and land-use plan to ensure compatibility. The land-use plan will greatly improve the sustainability of public use at the site.

7. Future Phases.

The future phases of the project include monitoring and maintenance. These will be funded by secured funding from the State Water Resources Control Board (see match description).

8. Principals involved.

Matt Freitas, Program Manager with TRWC, will oversee the implementation of the project.

9. Number of staff positions involved in project.

Matt Freitas and Lisa Wallace will work part-time on this project.

10. Number of volunteers.

Volunteers will assist with native plant revegetation as part of Truckee River Day 2019. Approximately 20 volunteers (80 person hours) will participate.

11. Timeline.

Task	Completion Date
Pre-project monitoring (vegetation, water quality, hydrology)	Ongoing until construction
Hire construction oversight consultants (engineering, biology, archaeology)	March 2019
Hire construction contractor	April 2019
Construction	October 2019
Post-project monitoring	October 2021

12. Success.

Post-project monitoring will confirm the habitat enhancement, restoration of natural hydrology, and reductions in sediment discharge. This monitoring program is already funded by our grant with the State Water Resources Control Board.

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from the
Truckee River Watershed Council
McIver Dairy Meadow Restoration Project Implementation

13. Grant match.

Match amount to be provided:		\$119,300.00
Match details:	Match is:	
	Cash	\$119,300.00
	In-kind	\$0
	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:	\$132,435 from California State Water Resources Control Board 319h Grant Program funding. Funding is allocated to construction costs.	

Attachments

- A. Extended list of past TRWC projects funded by the Truckee River Fund.
- B. McIver Dairy Meadow Restoration Project Location and Site Map

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

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

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 from the
Truckee River Watershed Council
 McIver Dairy Meadow Restoration Project Implementation

BUDGET

Item	TRF Request	Other Funding Name	Match	Total
Project management	\$18,000.00		\$0	\$18,000.00
Construction Oversight: Engineering	\$13,000.00		\$0	\$13,000.00
Construction Oversight: Archaeology, Biology	\$8,000.00		\$0	\$8,000.00
Construction	\$161,000.00	SWRCB 319h Grant Program	\$119,300.00	\$280,300.00
TOTAL	\$200,000.00		\$119,300.00	\$319,300.00

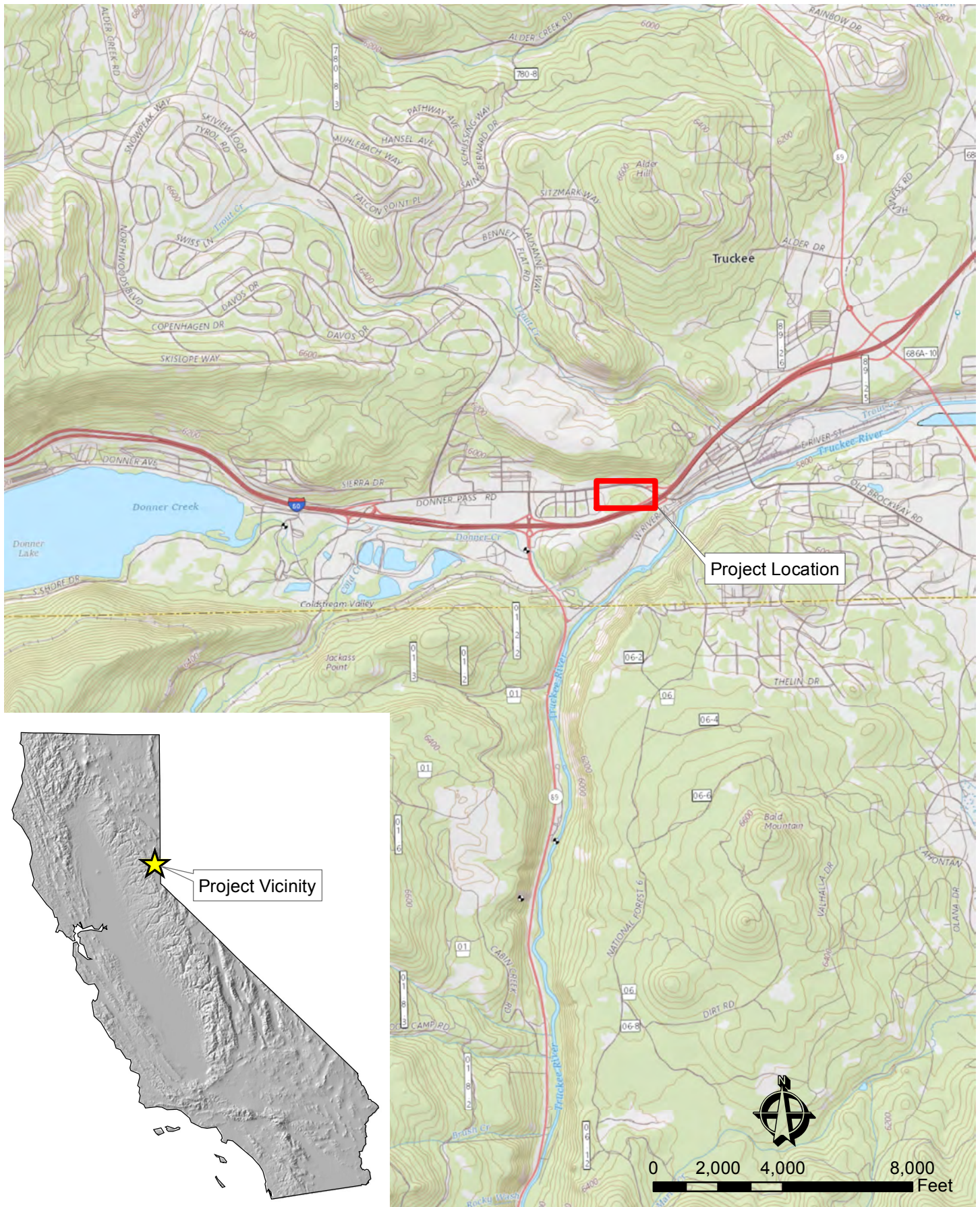
Grant application to the *Truckee River Fund*
from the Truckee River Watershed Council

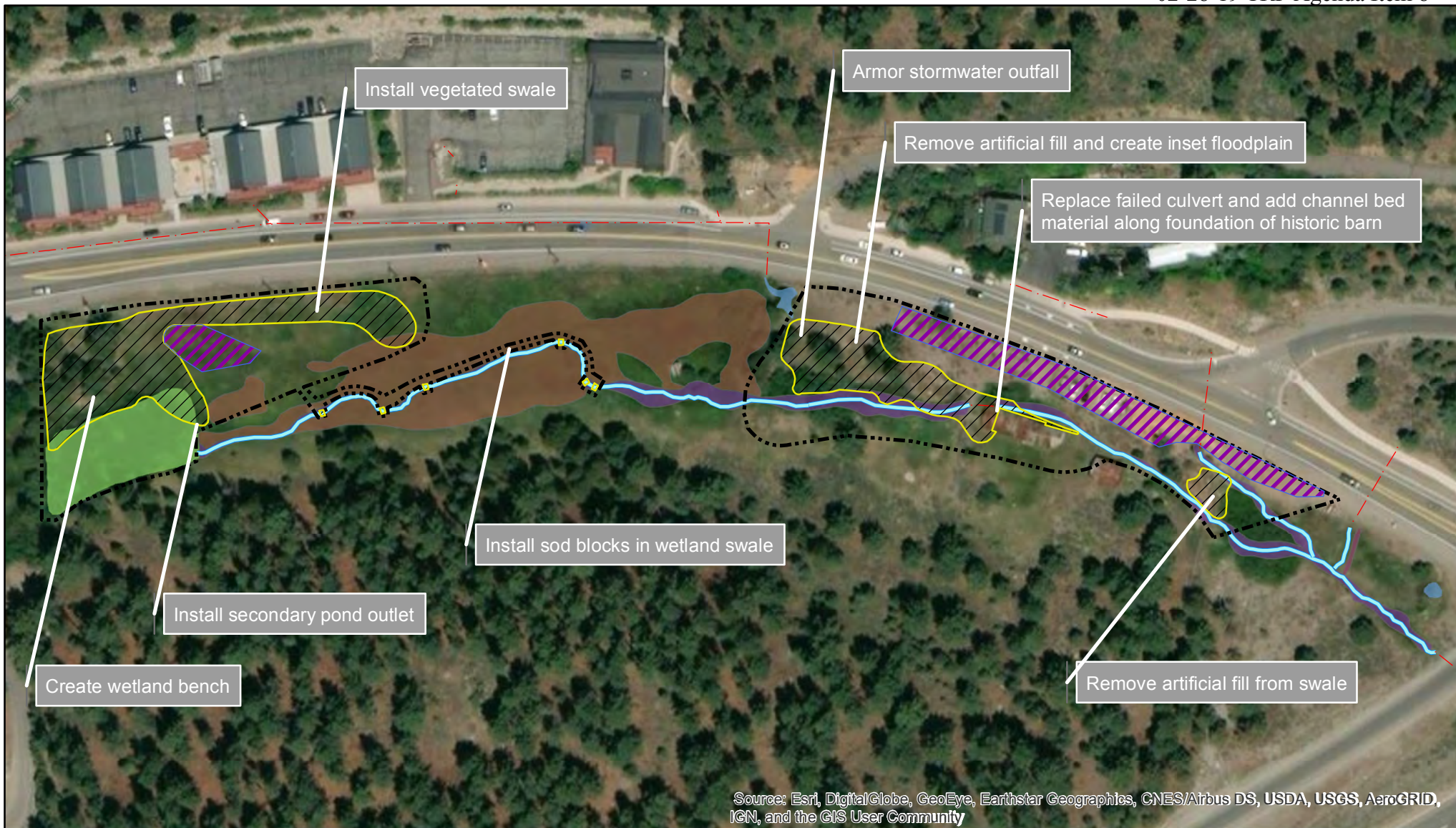
Attachment A
Continued list of grants to TRWC from the Truckee River Fund

Date awarded:	March 2017
Project title:	Big Chief, F4M Restoration Culvert Outflows
Amount of Award	\$50,000
Date awarded:	September 2016
Project title:	Donner Creek Bank Stabilization Downstream of Railroad Culvert Final Design
Amount of Award	\$90,000
Date awarded:	March 2017
Project title:	F4M Restoration Culvert Outflow
Amount of Award	\$50,000
Date awarded:	September 2016
Project title:	Donner Creek Concept Designs
Amount of Award	\$40,000
Date awarded:	September 2016
Project title:	Donner Creek Bank Stabilization
Amount of Award	\$92,000
Date awarded:	April 2016
Project title:	Johnson Canyon West #2
Amount of Award	\$67,000
Date awarded:	October 2015
Project title:	Johnson Canyon West #1
Amount of Award	\$25,000
Date awarded:	September 2014
Project title:	Donner Lake Watershed Assessment
Amount of Award	\$70,000
Date awarded:	March 2014
Project title:	Truckee Wetlands Restoration – Phase 3,4, & 5 – Design
Amount of Award	\$50,000
Date awarded:	October 2013
Project title:	Truckee River Big Chief Corridor –Restoration
Amount of Award:	\$150,000
Date awarded:	March 2013
Project title:	Truckee River Big Chief Corridor – Implementation
Amount of Award	\$11,000
Date awarded:	March 2013
Project title:	Middle Martis Wetland Restoration – planning and design
Amount of Award:	\$120,000
Date awarded:	August 2012
Project title:	Phase 2 Coldstream Canyon Floodplain Restoration
Amount of Award:	\$196,000
Date awarded:	March 2012
Project title:	Lacey Creek and Meadow Assessment
Amount of Award	\$50,000











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

Date awarded:	March 2012
Project title:	Negro Canyon Restoration – pre-project monitoring
Amount of Award:	\$25,000
Date awarded:	October 2010
Project title:	Coldstream Canyon Floodplain Restoration Project
Amount of Award:	\$135,000
Date awarded:	August 2010
Project title:	Truckee Wetlands Restoration Project – Phase 2
Amount of Award:	\$40,000
Date awarded:	July 2006
Project title:	“This Drains to the Truckee River” Storm Drain Stenciling Pilot Project
Amount of Award:	\$9,300





Legend

	Work limits		Ephemeral Stream
	Staging and stockpile		Seasonal Marsh
	Project boundary		Seasonal Wetland
	Existing Stormdrain Pipe		Wet Meadow
	Existing Channel		Wetland Swale

Attachment B. McIver Dairy Meadow Restoration Site Map & Design Summary

0 50 100 200 300 Feet



foriver
TRUCKEE RIVER WATERSHED COUNCIL



KEEP TRUCKEE MEADOWS
BEAUTIFUL

#217

PROPOSAL TO THE TRUCKEE RIVER FUND

Organization Name:	Keep Truckee Meadows Beautiful																			
Type:	501(c)(3) EIN# 88-0254957	Governmental entity? No																		
Address:	P.O Box 7412 Reno, NV 89510																			
Project Name:	2019 Fall Truckee River Cleanup, Adopt-A-River & Adult Outreach and Education																			
Amount requested: \$54,500	Website: www.ktmb.org																			
This funding will be used to	Remove invasive weeds and trash from along the Truckee River corridor and its tributaries during KTMB's Truckee River Cleanup Day, monitor the impact of current cleanup efforts. Engage more year-round cleanup support through KTMB's Adopt-A-River program. Provide community education and outreach to decrease environmental threats to the river.																			
Key People:	<table border="1"> <tr> <td>Director:</td> <td colspan="2">Christi Cakiroglu</td> </tr> <tr> <td>Board Chair:</td> <td colspan="2">Kate Thomas</td> </tr> <tr> <td rowspan="5">Project Contact:</td> <td>Name:</td> <td>Lindsey Panton</td> </tr> <tr> <td>Position:</td> <td>Program Director</td> </tr> <tr> <td>Phone:</td> <td>775-851-5185</td> </tr> <tr> <td>Fax:</td> <td>N/A</td> </tr> <tr> <td>Email:</td> <td>christi@ktmb.org/lindsey@ktmb.org</td> </tr> </table>			Director:	Christi Cakiroglu		Board Chair:	Kate Thomas		Project Contact:	Name:	Lindsey Panton	Position:	Program Director	Phone:	775-851-5185	Fax:	N/A	Email:	christi@ktmb.org/lindsey@ktmb.org
Director:	Christi Cakiroglu																			
Board Chair:	Kate Thomas																			
Project Contact:	Name:	Lindsey Panton																		
	Position:	Program Director																		
	Phone:	775-851-5185																		
	Fax:	N/A																		
	Email:	christi@ktmb.org/lindsey@ktmb.org																		
Organization Mission:	KTMB is dedicated to creating a cleaner, more beautiful region through education and active community involvement.																			
Has your organization received other grants from the Truckee River Fund?																				
Yes <input checked="" type="checkbox"/> See attached page																				

DESCRIPTION OF PROJECT UNDER CONSIDERATION

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

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



NARRATIVE

1. **Specific project goals and measurable outcomes and how you will measure and report them:** Keep Truckee Meadows Beautiful (KTMB) is a 501(c)3 nonprofit dedicated to beautification, advocating for a clean community and education in the Truckee Meadows for 30 years. KTMB creates a cleaner, more beautiful area to increase the quality of life for all who live in and visit the Truckee Meadows. In 2019, KTMB will continue to build strategic partnerships to protect and conserve the Truckee River, while expanding thriving litter and invasive weed removal projects along the Truckee River and throughout the watershed, as well as education of residents on the steps they can take to prevent threats to the river and watershed.

Truckee River Cleanup – Fall 2019

- Engage minimum of 600 volunteers in river cleanup, storm drain stenciling and weed removal;
- Remove 15-25 tons of trash and weeds from the river corridor at cleanup locations from Verdi to Lockwood;
- Involve a minimum of 100 youth through partnerships with youth programs;
- Work with area park staff to identify and wrap trees as needed along the river corridor;
- Host cleanup event, and provide invasive weed, recycling and litter-reduction education to volunteers at cleanup sites, and during volunteer post-cleanup lunch with goal being to educate volunteers on "Zero Waste" and keep the event as close to "Zero Waste" as possible;
- Maximize resources and community awareness efforts by stenciling a minimum of 100 storm drains in conjunction with the City of Reno (as all drains flow to the river!);
- Survey participants and compile analyzed results to determine the success and impact of the event;
- Host a minimum of 20 "on the river" volunteers including kayakers and fly-fishers and WET team Emergency Response personnel as needed to remove debris from within the river;
- Spread Christmas tree mulch for soil erosion projects, and remove graffiti as needed.

Adopt-A-River

- In response to the changing conditions of the Truckee River, KTMB works with municipal partners to update KTMB's annual Litter Index Survey to reflect our growing community. In the update, there will be a section completely dedicated to the Truckee River corridor.
- Adopt-A-River program will be supported by the annual Litter Index Survey to assess areas that need adoption.
- Adopt-A-River program will also include a Litter Survey before each cleanup. Areas are rated based on a scale of 1-4: 1, meaning "virtually no litter"; and 4, indicating "major illegal dump site". These surveys will show the impact of the Adopt-A-River program.
- Recruit and retain adopters and volunteers to be stewards of river corridor and watershed areas.

Adult Education and Community Outreach

- Communicate the negative impacts non-point source pollutants have on our local watershed so that we may contribute to enhancing our water quality and conserving our water resources.
- KTMB will convey the importance of preserving our natural ecosystem and native plant species and keeping invasive and noxious weeds from spreading as they can contribute to intense fires in the summer and are a health risk to humans and our wildlife.
- KTMB AmeriCorps will coordinate quarterly "River Walks" as an educational and outreach effort along the river corridor in conjunction with the One Truckee River (OTR) River Restroom Project.
- KTMB will pilot a new outreach program to target more parents and families with educational efforts by collaborating with Sierra Nevada Journey's (SNJ) Family Science Nights.

2. **Project location:** The Truckee River Cleanup (TRC), and Adopt-A-River cleanups follow the original Champions of the Truckee River "Streamkeepers Map," stretching from the Verdi Dam to Lockwood, including sites such as Brodhead Park, John Champion Park, Mayberry Park, Crystal Peak Park, Cottonwood Park, Oxbow Park, Dorostkar Park, Rock



Park, Barbara Bennett Park, and other sections of the river. Local municipalities and watershed experts will determine storm drain stenciling needs for the 2019 TRC.

3. **Project description:** KTMB supports a clean and invasive weed-free community by educating and informing residents and visitors about the importance of maintaining a healthy river and watershed by removing litter and invasive weeds. Local park staff report that weed removal is often the most challenging aspect of their job.

The Truckee River Cleanup is designed to address both the direct and immediate presence of weeds, litter and nonpoint pollution runoff, and the underlying causes of these challenges by educating and engaging the community. KTMB uses proven approaches to “Cleanups” that have been shown to save tax payers money. According to Keep America Beautiful “About 85 percent of littering is the result of people’s attitudes.... Changing individual behaviors is the key to preventing litter — and environmental cues can make a difference.” By engaging volunteers and community partners in this effort, as well as having consistent outreach and messaging to support behavior change, KTMB is helping to better protect the water resources of the Truckee River.

Truckee River Cleanup activities will include:

- In cooperation with the OTR River Restroom Project, KTMB will work in collaboration with OTR to include Brodhead Park as a cleanup site during the 2019 TRC. OTR will help to lead cleanup efforts and coordinate key stakeholders for this site leading up to the event.
- Volunteers removing invasive weeds at several hot spots along the Truckee River and its tributaries, as identified by weed experts at local municipalities of the WSCWMA.
- Producing key messaging about responsible river recreation and keeping the river clean.

Adult and Community Education efforts will include:

- Presenting to City and County NABS/CABS, churches, recreation/outdoor groups, city council and county commission meetings, service organizations, area businesses, and on-site educational opportunities along the river and in Idlewild Park’s Sensory Garden.
- Quarterly “River Walks” coordinated by KTMB’s AmeriCorps to bring people to the river corridor for an educational opportunity. This activity is in cooperation with the OTR River Restroom Project.
- Pilot collaboration with SNJ on Family Science Nights outreach.
- Continued outreach to the community through social and traditional multi-media outlets with messaging related to the environmental health of the river.

Adopt-A-River activities will include:

- Recruiting new volunteers and managing existing volunteers to conduct cleanups along the Truckee River. This activity is in cooperation with the OTR River Restroom Project.
- Working with WSCWMA and local municipalities to monitor river invasive weed and litter hotspots.
- Continue to conduct annual Litter Index Survey to evaluate current river corridor cleanliness.

4. **Grant priorities:** This project supports the TRF Grant Priorities V, VI, VII, and VIII – *Support to Rehabilitation of Local Tributary Creeks and Drainage Courses, Stewardship and Environmental Awareness, Meet Multiple Objectives, and Leverage Stakeholder Assets and Participation*. KTMB educates and informs residents and visitors about the importance of maintaining a healthy river; how noxious weeds negatively affect native plant communities, habitats, and watershed; how litter and pollution are harmful to human health, wildlife, the local environment and economy; and collaborates to create a cleaner community while saving taxpayer dollars.

KTMB’s 2019 Truckee River Cleanup and Adopt-A-River program will support following objectives of the One Truckee River Management Plan: 2.1.b; 2.3.j; 2.5.b; 3.3.h; 3.4.b; 3.4.c; 3.4.e; 3.4.f.



KTMB's Adult and Community Education efforts will support the following objectives of the One Truckee River Management Plan: 1.3.b; 2.1.j; 3.2.d; 3.2.f; 3.3.b; 3.3.e; 3.3.h.

5. **Permitting:** Few permits are needed and for the most part cooperation has already been secured. Since 2005, the only required permits for KTMB's Truckee River Cleanup include health department permits for the post-event volunteer barbecues.
6. **Future land use. List any known or foreseeable zoning, land use, or development plans that may affect your proposed project:** There are no known or foreseeable zoning, land use or development plans that may affect this project.
7. **If future phases of the project will be needed, identify anticipated sources of funding:** The Truckee River Fund's annual support of KTMB's Truckee River Cleanup assists in maintaining the health of the Truckee River and its greater watershed. It provides opportunities for KTMB to engage partner agencies, municipalities, groups, foundations and local residents, and to leverage in-kind support and funding from other sources. In addition, KTMB works closely with Nevada Land Trust to provide the leadership necessary to complete Phase I of the One Truckee River to build the partnerships, fundraising mechanisms, fundable projects and capacity to address not only the symptoms of Truckee River health (weeds, litter and nonpoint pollution runoff) but also the underlying problems (education, environmental awareness, and civic participation and stewardship) community-wide. The TRF funding will enhance our ability to build these capacities. KTMB's development team is dedicated to pursuing new and diverse sources of income to continue to support these programs well into the future.
8. **Principals involved in leading or coordinating the project or activity:** KTMB is the principal coordinating agency for project implementation, management, volunteer recruitment and coordination. KTMB relies on the time and expertise of partners that include the Washoe County Health District, Washoe County Parks, City of Reno Parks, City of Sparks Parks and Recreation, The Nature Conservancy, Nevada Department of Agriculture, Nevada Department of Wildlife, Nevada Land Trust, Sierra Nevada Journeys, Reno-Sparks Indian Colony, Washoe Storey Cooperative Weed Management Authority, Truckee River Fly Fishers, Sagebrush Chapter of Trout Unlimited, and Washoe County Sheriff's Office. Former members of the Truckee River Yacht Club and Champions of the Truckee River continue to provide logistical and promotional support as needed.
9. **Number of staff positions involved in project:** Five Part-Time Staff
10. **Number of volunteers involved in project and an estimated number of volunteer hours.**

Truckee River Cleanup: <u>600-700 volunteers</u>	Estimated hours: <u>2,100-2,450 hours</u>
Adopt-A-River: <u>150-250 volunteers</u>	Estimated hours: <u>375-625 hours</u>
11. **Time Line**

TRC 2019 Timeline:

Spring/Summer 2019: Compile survey data from the spring Great Community Cleanup weed pull and re-survey sites for cleanliness. Begin planning for fall Truckee River Cleanup.

Fall/Winter: Hold Fall Truckee River Cleanup and re-survey length of river for cleanliness.

Adopt-A-River Timeline:

Winter 2019: Compile and review information on existing sites and existing volunteer groups.

Spring/Summer 2019: Outreach and volunteer recruitment and management to conduct cleanups along the river corridor.



Community Outreach Timeline:

Spring/Summer 2019: Create an outreach plan to engage more residents on river-related topics through presentations, river tours, and media outreach. Schedule and conduct Presentations.

Fall/Winter 2019: Schedule and conduct presentations and river tours. Continue outreach.

12. Success

The success of TRC will be measured in the following ways:

- Minimum of 600 community volunteers engaged in trash and invasive weeds removal along the Truckee River and its tributaries during KTMB's Truckee River Cleanup in 2019;
- Minimum of 100 youth volunteers engaged in watershed stewardship through Truckee River volunteer projects;
- A minimum of 15 tons of invasive weeds and trash will be removed from Truckee River and its watershed in the 2019 TRC;
- 100 storm drains will be stenciled;
- Improve Adopt-A-River participation in Truckee River Cleanup event.

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

- Evidence Based Litter Survey conducted along length of the river corridor to evaluate cleanup efforts;
- Perform 15 cleanups along the Truckee River corridor throughout the year;
- Minimum of 150 community volunteers engaged in trash and invasive weeds removal along the Truckee River corridor throughout the year;
- A minimum of 5 tons of invasive weeds and trash will be removed from the Truckee River corridor.

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

- Minimum of 25 Community and Adult education presentations on watershed and invasive weed topics;
- Reach 1,000 community members through our adult Watershed and Invasive/Noxious Weeds informative talks to businesses, organizations, community groups, etc.

13. Grant match

Match amount to be provided:		\$161,307
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:	\$103,900 (Combination of secured funds and pending requests)
	In-kind:	\$57,407
	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:	<ul style="list-style-type: none"> • Project Partners will provide a minimum of \$18,100 in staff time • KTMB is projecting \$36,000 in volunteer time at a rate of \$20/hour per individual and a minimum of 600 volunteers that will be used as a match. • Approximately \$3,307 in matching costs for equipment, services and supplies from various partners. 	

Truckee River Fund Project Budget

2019 Fall Truckee River Cleanup, Adopt-A-River Cleanup & Adult and Community Outreach and Education

Category	Justification	TRF Request	Cash & Inkind Match	Total Cost
Truckee River Cleanup 2019				
COORDINATION & IMPLEMENTATION				
Keep Truckee Meadows Beautiful	Project, Partner, and Volunteer Management	\$16,000.00	\$8,000.00	\$24,000.00
Keep Truckee Meadows Beautiful	Mileage	\$250.00	\$0.00	\$250.00
Washoe County Parks	Staff Time, Materials & Equipment	\$0.00	\$2,500.00	\$2,500.00
City of Reno Parks	Staff Time & Equipment	\$0.00	\$4,500.00	\$4,500.00
Reno Fire Dept Water Entry Team	Swiftwater rescue technicians and equipment	\$0.00	\$1,200.00	\$1,200.00
Truckee Meadows Watershed Committee	Storm drain stenciling supplies, staff time, education and give-aways	\$0.00	\$4,000.00	\$4,000.00
City of Sparks Parks	Staff Time, Materials & Equipment	\$0.00	\$2,000.00	\$2,000.00
Nevada Department of Wildlife	Staff Time, Materials & Equipment	\$0.00	\$1,000.00	\$1,000.00
Reno Sparks Indian Colony	Staff Time, Materials & Equipment	\$0.00	\$1,000.00	\$1,000.00
The Nature Conservancy	Staff Time	\$0.00	\$500.00	\$500.00
Otis Bay	Staff Time, Materials & Equipment	\$0.00	\$1,400.00	\$1,400.00
Volunteer Hours	600 volunteers x 3 hours x \$20/hour	\$0.00	\$36,000.00	\$36,000.00
Sub-Total		\$16,250.00	\$62,100.00	\$78,350.00
EQUIPMENT & SUPPLIES				
Sani-Huts	United Site Services (\$55/unit, 2 sinks, \$75/unit, damage waivers and delivery fees \$300)	\$600.00	\$300.00	\$900.00
Dumpsters	Dumpsters vary each cleanup, along with discounts. Project the need for 15 dumpsters priced at \$500.	\$4,000.00	\$2,000.00	\$6,000.00
Garbage Bags	large bags	\$300.00	\$200.00	\$500.00
KTMB Truck for Site Surveying/Event Implementation	Fuel & Maintenance/Mileage	\$200.00	\$200.00	\$400.00
Trash Pickers	various styles	\$300.00	\$200.00	\$500.00
Project Supplies	Tools, tree wrap, paint, masks, gloves, etc.	\$800.00	\$2,200.00	\$3,000.00
Project Posters	NV Energy donation 100 posters	\$0.00	\$227.00	\$227.00
Green Waste Composting	\$6/year - donated by RT Donovan	\$0.00	\$1,080.00	\$1,080.00
Sub-Total		\$6,200.00	\$6,407.00	\$12,607.00
VOLUNTEER COORDINATION				
Volunteer Appreciation BBQ, Snacks, Coffe	Catered by project partners, lunch, snacks, coffee, etc.	\$500.00	\$2,000.00	\$2,500.00
Event Signage	Signs and banners	\$500.00	\$200.00	\$700.00
Volunteer Appreciation Item	Appx. 800 items	\$4,000.00	\$4,000.00	\$8,000.00
Health Permit for Picnic	Washoe County Health District	\$200.00	\$0.00	\$200.00
Volunteer Project Leader Thank you		\$1,000.00	\$1,000.00	\$2,000.00
Volunteer wristbands	Debossed (1/2" - Youth, Green)	\$100.00	\$0.00	\$100.00
Stickers and/or clings	printing and ordering	\$1,000.00	\$500.00	\$1,500.00
Public Education	multimedia	\$4,000.00	\$1,000.00	\$5,000.00
Zero Waste Supplies	Serving ware, utensils, signage	\$400.00	\$0.00	\$400.00
Volunteer Snacks	bars, snacks, soda	\$250.00	\$2,000.00	\$2,250.00
Sub-Total		\$11,950.00	\$10,700.00	\$22,650.00
Total TRC Request		\$34,400.00	\$79,207.00	\$113,607.00
Adult Education and Community Outreach				
COORDINATION & IMPLEMENTATION				
Keep Truckee Meadows Beautiful	Project, Partner, and Volunteer Management	\$4,000.00	\$48,000.00	\$52,000.00
AmeriCorps - Adult Outreach Educator	State and National	\$4,750.00	\$4,750.00	\$9,500.00
Sub-Total		\$8,750.00	\$52,750.00	\$61,500.00
SNJ Collaboration Pilot - Family Science Nights				
Payment to SNJ	Cover costs of hosting the educational night	\$500.00	\$0.00	\$500.00
KTMB staff coordination and implementation	5 nights @ 8 hours of staff time each	\$1,000.00	\$0.00	\$1,000.00
Mileage	to and from events	\$0.00	\$100.00	\$100.00
Sub-Total		\$1,500.00	\$100.00	\$1,600.00
Total Adult Ed and Outreach Request		\$10,250.00	\$52,850.00	\$63,100.00
Adopt-A-River				
COORDINATION & IMPLEMENTATION				
Keep Truckee Meadows Beautiful	Project, Partner, and Volunteer Management	\$9,750.00	\$29,250.00	\$39,000.00
Mileage	to and from events	\$100.00	\$0.00	\$100.00
Total Adopt-A-River Request		\$9,850.00	\$29,250.00	\$39,100.00
TOTAL REQUEST		\$54,500.00	\$161,307.00	\$215,807.00

**Keep Truckee Meadows Beautiful: 2019 contributions to the
One Truckee River Management Plan**

KTMB's 2019 Truckee River Cleanup and Adopt-A-River program will support following objectives of the One Truckee River Management Plan:

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

KTMB's Adult and Community Education efforts will support the following objectives of the One Truckee River Management Plan:

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

KTMB Funding received from the Truckee River Fund

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

#218

Cover Sheet

Date: February 7, 2019

Organization Name:		The National Judicial College							
Type:		501(c)(3) EIN# 94-2427596	Governmental entity? No						
Address:		Judicial College Building/MS 358, Reno, NV 89557							
Project Name:		Dividing the Waters Conference "Sustainable Water Rights Management in Times of Shortage" at Stanford Law School							
Amount requested: \$3,092		Website: www.judges.org/dtw/							
This funding will be used to (complete this sentence with a max of 2 sentences):		The funding will provide three judicial professionals who adjudicate water law cases on the Truckee River to attend the Dividing the Waters Conference at Stanford Law School. The conference topic is "Sustainable Water Rights Management in Times of Shortage" on April 10-13, 2019.							
Key People:	Director:	President Benes Aldana (Ret.)							
	Board Chair:	Sandra Yamate, Esq.							
	Project Contact:	Name:	Steve Snyder						
		Position:	Executive Director of Dividing the Waters						
		Phone:	(505) 250-7700						
		Fax:							
Email:		Sesnyder@q.com							
Organization Mission:		The National Judicial College's mission is "making the world a more just place by educating and inspiring its judiciary."							
Has your organization received other grants from the Truckee River Fund? Yes No X (use additional page if necessary)		If yes, <table border="1"> <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:									

DESCRIPTION OF PROJECT UNDER CONSIDERATION

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

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

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

The goal of convening the Dividing the Waters Conference on “Sustainable Water Rights Management in Times of Shortage” is to provide judges who hear water law cases with the information and insights they need to make informed and thoughtful decisions about the allocation of this country’s precious water resources during a major drought. The course will improve judges’ abilities to resolve water conflicts in ways that are faithful to the law, science and practicalities of water rights management. Specific learning objectives will be prepared for each segment of the program, and faculty will be held accountable for reaching these objectives.

The measurable outcomes resulting from judges completing the conference will include the following:

- a. Understand how the law grapples with problems of water scarcity
- b. Be able to evaluate and weigh scientific evidence relevant to resolving water disputes
- c. Be better prepared to make principled decisions about the use of water during scarcity

These outcomes will be measured by a post-course evaluation provided to all course participants. The NJC, drawing on its multiple years of experience in designing post-training questionnaires, will develop a questionnaire for the Stanford Conference that not only asks whether the conference was relevant and practical but attempts to determine whether the participants acquired a more nuanced understanding of water conflicts as a consequence of attending the conference. DTW’s executive director will conduct post-conference interviews of the Nevada judges to assess whether the conference had a positive impact on judicial performance. The knowledge and insights that the Nevada judges will obtain will be critical when they decide water cases that affect the Truckee River or its watershed.

2. Project location.

The Dividing the Waters conference will be at the Stanford Law School, Palo Alto, California.

3. Project description.

The National Judicial College (NJC), founded in 1963, is the nation’s leading provider of judicial education for state court, administrative law, and tribal judges. Dividing the Waters (DTW), founded in 1993, is a self-governing program of the NJC that provides training, informational resources and collaborative learning opportunities for judges, special masters, and administrative hearing officers who preside over water resource litigation throughout the United States—particularly in the West. With few exceptions, judges who decide conflicts over the use of water have no specialized education or experience that would enable them to understand the nuances of water management during times of shortage. Their knowledge of the science and art of water resource management will be what they learn from the evidence presented at trial. As a result, the risk exists that they will develop a distorted view of the complexities associated with water management in a drought.

DTW is holding its next conference at Stanford Law School at the invitation of the school and Stanford Law Professor Barton (Buzz) Thompson, who presided over the recently concluded

interstate water litigation between Wyoming and Montana as the United States Supreme Court appointed special master. Stanford and DTW have mutually agreed that the conference should focus on the water resource conflicts that arise in a drought and do so by examining California's efforts to manage water during its recent drought and compare those efforts to those of other States when confronting their own droughts.

The program, respectfully requests \$3,092 to provide tuition and partial travel scholarships to three judicial professionals from Northern Nevada who adjudicate water law cases that affect the Truckee River and its watershed to attend the DTW Conference "Sustainable Water Rights Management in Times of Shortage" from April 10-13, 2019, at Stanford Law School in Palo Alto, California.

Judges, special masters and administrative hearing officers from across the United States will gather at Stanford Law School to learn from one another, and from a distinguished faculty, about water litigation during drought. Judges will learn how to evaluate the scientific, technical, and legal issues that arise in litigation over the use of water during a drought. Issues to be addressed at the Conference include priority of enforcement of water rights, modeling of surface water and groundwater flows, managing the relationship between surface water and groundwater, and litigation over the protection of environmental flows. The Conference includes a field trip to the Monterey Peninsula, where judges will tour a desalination plant, a ground water injection site, and observe how the removal of a dam affected the Carmel River watershed.

The distinguished faculty will consist of judges, water lawyers, scientists and water administrators with wide-ranging experience in water litigation and management in the western United States. The conference's classroom activities will include an evaluation of California, Idaho, and Colorado's regulatory response to drought, an analysis of California's recently enacted Groundwater Sustainability Management Act, and an examination of legal efforts to protect watershed health by maintaining a minimum stream flow. Finally, judges and conference faculty will discuss the importance of obtaining real-time information about the availability and uses of surface and groundwater flows, emerging technologies for measuring those flows and how to evaluate and weigh scientific evidence based on those techniques. The conference will expand and deepen the perspective of judges who attend the conference-judges whose decisions will impact how society manages its water in the future.

4. **Grant priorities.**

The project advances three of TRF's grant priorities: (a) Priority II Watershed Improvements: (b) Priority VI Stewardship and Environmental Awareness, and (c) Priority VIII, Leverage Stakeholder Assets and Participation and Priority. The conference agenda items that address each of these priorities are listed below:

Pre-Conference Webinar:	The Surface Water-Groundwater Connection: Law vs. Science?
Presented by:	Michelle Bryan, Professor of Natural Resource Law, University of Montana
Date:	Friday, April 5, 2019 at 10:00 a.m., PST

Wednesday, April 10:	Opening Welcome Events
5:00 pm	Opening Reception
6:30 pm	Keynote Lecture: <i>Emerging Water Management Issues in the United States</i>

Presented by: Barton (Buzz) Thompson, Jr., Professor of Law, Stanford Law School; Supreme Court Special Master, *Montana vs. Wyoming*

Thursday, April 11:

Visit may include:

Monterey Peninsula Field Trip

Sand City Desalination Facility, San Clemente Dam

Removal Site, Groundwater Storage Injection Site

Friday, April 12:

Classroom Work

8:00 am

Welcome and Introductions

8:15 am

California's Regulatory and Legislative Response to the 2011-2015 Drought

Panelists:

- Felicia Marcus, Chair of the California Water Resources Control Board
- Brian Gray, Senior Fellow, Public Policy Institute of California and Professor Emeritus, University of California, Hastings College of Law
- Justice Gordon Burns, California Court of Appeal and former Undersecretary of the California Environmental Protection Agency

10:30 am

Measurement, Monitoring and Forecasting: Three Conditions Precedent to Sustainable

Water Management. Panelists:

- Joya Banerjee, Esq., Senior Program Officer, S. D. Bechtel, Jr. Foundation
- Other panelists to be announced

1:30 pm

Conjunctive Management Part I: Lessons Learned from Conjunctive Management in Idaho, New Mexico and Colorado Panelists:

- Gary Spackman, Director of Idaho Department of Water Resources
- Judge Eric Wildman, Idaho District Court
- Judge Matthew G. Reynolds, New Mexico District Court
- Judge James F. Hartmann, Colorado District Court

3:30 pm

Conjunctive Management Part II: Implementing Conjunctive Management Under California's Sustainable Groundwater Management Act Panelists:

- Judge Peter Kirwan, California Superior Court
- Thomas Harter, Professor of Water Resource Management, University of California at Davis
- Alletha (Letty) Belin, Esq., Natural Resource and Water Consultant, former Visiting Scholar at Stanford Water in the West, former Counselor to the Deputy Secretary of the Interior

Friday Evening, April 12:

Conference Dinner

6:30 pm

Speaker: (To be announced)

Saturday, April 13:

Classroom Work

8:00 am

Protecting Environmental Flows Panelists:

- Leon Szeptycki, Executive Director, Stanford Water in the West
- Robin Craig, Professor of Law, University of Utah

10:30

Dialogue Among Judges: Judicial Decision Making in an Era of Sustainable Water Rights Management

5. **Permitting.** Not applicable.
6. **Future land use.** Not applicable.
7. If **future phases** of the project will be needed. Not applicable

8. **Principals involved** in leading or coordinating the project or activity.

DTW Executive Director Steve Snyder is a former special master for the Pecos, Lower Rio Grande, San Juan and Animas general stream adjudications in New Mexico. During the fourteen years he served as a special master, he heard a variety of disputes over conflicting claims to the use of water in New Mexico's principal river basins. Prior to becoming a special master, Steve was a commercial litigator and partner of a major law firm in Denver. He earned his undergraduate degree and an M.B.A. from the University of New Mexico and his J.D. from the University of Texas.

The NJC Provost Joy D. Lyngar has been a judicial educator for twenty years. She was named provost of the NJC in 2018 after serving 10 years as the chief academic officer. She has led her department to record achievement; NJC now educates more than 10,400 judicial professionals each year through in-person and on-line courses. Ms. Lyngar practiced law in Canada working in a general practice firm that handled criminal defense, civil litigation, and family law. She received a Bachelor's degree and Juris Doctor from the University of Saskatchewan. She serves on the board of the National Association of State Judicial Educators.

9. Number of **staff positions involved** in project: There are no fulltime positions. The DTW Executive Director Steve Snyder and NJC Provost Joy Lyngar provide part-time support to his project.

10. Number of **volunteers involved** in project. No volunteers are involved.

11. **Time Line** of Project.

The conference venue and speakers have been confirmed except for the Friday evening conference dinner speaker which will be confirmed by mid-February. To date, 15 judges have enrolled in the course and six are pending their scholarship confirmation enrollment. The maximum attendance is 50 judges. The materials are being developed by the speakers and are due to be finished by March 31, 2019.

12. **Success.**

Success will be attained when the three Nevada judicial professionals who attend the conference obtain additional knowledge and insights about how to adjudicate water law cases that protect and enhance water quality or water resources of the Truckee River or its watershed. They will also be successful in developing relationships with preeminent water resource experts in the West from whom they can obtain information in the future.

13. **Grant match.**

The cash match of \$1,030 will be provided by the Bechtel Foundation funds which have already been received at the NJC.

DTW Stanford Conference Budget

					REIMBURSEMENT	
Budget Item		Other			Expenditures to	Expenditures to
Description	TRF	Funding	Match \$	Total	to	date
	\$	Name			date TRF	(other sources)
Labor-paid	\$0	DTW/NJC	\$0	\$36,000	\$0	\$0
Travel & Lodging for Staff and Faculty	\$0	Bechtel Foundation	\$0	\$22,950	\$0	
Conference Materials	\$0	DTW/NJC	\$0	\$1,750	\$0	
Travel and Tuition Scholarships for Two Nevada Judges (\$699 Tuition x 3 attendees and \$675 partial travel x 3 attendees)	\$3,092	Bechtel Foundation	\$1,030	\$4,122		
Travel and Lodging Scholarships for California Attendees		California Dept. of Water Resources	\$0	\$16,875		
TOTAL	\$3,092		\$1,030	\$81,697		



FRIENDS of NEVADA WILDERNESS

#219

Cover Sheet

Date: 02/08/2019

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 and Treatment #7	
Amount requested: \$24,094		Website: www.nevadawilderness.org	
This funding will be used to (complete this sentence with a max of 2 sentences):		Friends of Nevada Wilderness seeks to treat approximately 75 acres of noxious weeds on Humboldt-Toiyabe National Forest lands within the Truckee River Watershed.	
Key People: Nora Kaufmann	Director:	Shaaron Netherton	
	Board Chair:	Roger Scholl	
	Project Contact:	Name:	Nora Kaufmann
		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,		
	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		
Date awarded:	March 2012		
Project title:	TRF # 111 Mount Rose Noxious Weed Monitoring and Treatment		
Amount of Award:	\$13,225		



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 overall goal of the Mount Rose Wilderness Noxious Weed Monitoring and Treatment Project is to protect the water quality of the Truckee River and its watershed. Specifically, our goal is to treat noxious weeds at their source to mitigate their spread, monitor known weeds sites for changes and growth, and identify any new weed activity or infestations. Noxious weeds threaten the biodiversity, wildlife habitat, soil productivity, water quality, and recreational resources of the Mt. Rose Wilderness. By removing them we will help retain and improve watershed health.

Methods: Our methods to control weeds in the Wilderness will consist of monitoring/scouting and direct treatment. During the treatment phase, Friends of Nevada Wilderness staff will host volunteer weed pulling events in which we will use shovels and clippers to pull musk thistle (*Carduus nutans*) and perennial pepperweed (*Lepidium latifolium*); both are listed on the state noxious weed list and the Truckee Meadow's Dirty Dozen Noxious Weed list. To minimize impacts to desirable land, mechanical treatments are the most appropriate way to treat these weeds in Wilderness. During the monitoring/scouting phase, FNW staff, AmeriCorps members, and volunteers will monitor known weed sites to assess outcomes and continue to document change in known populations. In 2018, we mapped the 2017 Hunter Creek Fire perimeter to assess the post-fire spread of noxious weeds. We identified three new Musk Thistle sites and one new Medusa Head site. In 2019, we will return to these sites to treat and monitor the area for any new invasive weed populations.

Measurable Outcomes: Friends of Nevada Wilderness staff and volunteers will monitor and treat approximately 75 acres of noxious weeds, while also scouting the Mt. Rose Wilderness for new infestations. We will host eight volunteer weed-pulling events and six volunteer weed monitoring 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, but will give citizens a chance to take part in the stewardship of their public lands. To date we have removed nearly 175,000 weeds in the Mount Rose Wilderness, resulting in a decrease in density of noxious weeds, and we want to continue the hard work necessary to reduce noxious weed populations overall. Last year, we far outperformed our goals by removing over 25,000 invasive Musk Thistle and we hope to build on this momentum. We have hosted over 70 projects in the past ten years with the USFS Carson Ranger District.



FRIENDS of NEVADA WILDERNESS

2. **Project location.** The project is focused 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. Areas of concern are the helicopter loading points used by the Carson City RD to fight the Hunter Falls Fire of 2014 and the Hunter Creek Fire of 2017, which we plan to monitor closely for any further invasive weed developments.
3. **Project description.** Staff will lead volunteers to known locales of noxious weeds, removing them with shovels and clippers as necessary. Staff and volunteers will also monitor previously identified and/or treated sites and scout the 2017 Hunter Creek Fire perimeter and helicopter loading points. Please see map, included on page 7.
4. **Grant priorities.** Our grant proposal is in line with many of the grant priorities outlined by the TRF, specifically priority #1 (Aquatic Invasive Species); priority #2 (Watershed Improvements); and priority #6 (Stewardship and Environmental Awareness). Noxious weeds, specifically musk thistle, poses a significant threat to the Truckee River Watershed. Through volunteer-powered stewardship projects, we seek to improve the Truckee River Watershed 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. Our long-standing Wilderness Weed Warriors program seeks to both engage and educate the public on the importance of noxious weed management and it is our hope that after one project with us, volunteers have a basic understanding of the effect of noxious weeds on plant diversity, wildlife habitat, and water and soil quality. By educating the public on these issues, we can inspire more stewardship and environmental awareness of the Truckee Meadows.
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, land use, or development plans that will affect this project.
7. **Future Phases:** Unfortunately, there may always be weeds to pull. Our hope is to work ourselves out of a job in that sense; however, our continuing goal is to keep existing weed sites from spreading or traveling. 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. Their seeds can stay dormant in the soil for up to 15 years, resulting in an immediate need for management continued well into the future. While ultimately getting rid of these plants altogether is ideal, we will continue pulling as many thistles as we can, year after year, in an attempt to reduce the seed bank. At 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 and continue to reduce the seed bank.

We will continue working with the USFS Carson Ranger District to build upon our previous management plan and treat any new weed locations. We have a GIS specialist on staff who will work with us to provide accurate and up-to-date maps, and help identify weed locations and priorities for the future. 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:** Five staff members from Friends of Nevada Wilderness, including two Northern Nevada Stewardship Manager and Stewardship Coordinator, Administrative Coordinator, GIS Mapping Technician, and



FRIENDS of NEVADA WILDERNESS

one seasonal AmeriCorps Service Member will be involved. We will be taking direction from the USFS Carson District Botanist, Fire Management Officer, and Recreation Staff.

9. **Staff Positions Involved:** Fulltime 0 Part-time 5
10. **Volunteers Involved:** We plan to have at least 80 volunteers involved, donating 500 or more volunteer hours. We will host 8 volunteer weed pull trips and six volunteer weed monitoring/scouting trips with an average of five volunteers per trip. Our outings are typically day trips ranging from 4-8 hours. In 2018, we had great success working with Patagonia Inc employees, 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, Truckee Meadows Parks Foundation, One Truckee River, and the Truckee Meadows Weed Coordinating Group with whom we meet quarterly. In addition to direct contact, we use a variety of outreach methods to recruit volunteers such as tabling, flyer placement, social media, and volunteer recruitment websites such as www.volunteermatch.com and www.idealists.org.
11. **Time Line:** Outreach for volunteers and partner groups will start immediately upon project approval. Logistical planning and monitoring will begin in April. Our first treatment project will be April 27th, 2019, followed by more projects May-July. We will complete all of our treatments by July 2019. We will also plan monitoring projects for the fall to monitor plant growth over the season. Reporting will occur in early 2020.
12. **Success:** We will inform the committee know of our successes with written quarterly reports accompanied by photographs. We invite the committee to join us on any of our volunteer events to see progress firsthand. 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 such as Twitter, Facebook, and Instagram. Last season, KTVN Channel 2 News produced a short piece highlighting the program and its success over the years. We hope to receive more media coverage next year to further highlight the program and the Community Foundation's generous community support.
13. **Grant match.** Please see Grant Match Template on page 5.
14. **Project budget** Please see Budget Template on Page 6



FRIENDS of NEVADA WILDERNESS

Grant Match

Match amount to be provided:	\$12,526				
Match details: We will be using matching funds from a National Forest Foundation (NFF) grant which we have already secured. 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.	<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>\$2,446</td> </tr> <tr> <td>In-kind</td> <td>\$10,080</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? Yes <u>X</u> No <u> </u></p>	Cash	\$2,446	In-kind	\$10,080
Cash	\$2,446				
In-kind	\$10,080				
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	\$17,261	NFF-MAP & NEEF	\$1,944	\$19,205
Americorps Stipend	\$2,926			\$2926
Volunteer Labor (504 hrs at \$20/hr)		In-Kind Volunteer Labor	\$10,080	\$10,080
Printing and Reproduction	\$400	NFF-MAP & NEEF	\$280	\$680
Project Supplies	\$500			\$500
Training Expenses	\$305			\$305
Vehicle Travel (150 miles at 5.80/mile)	\$87			\$87
Volunteer Food	\$425			\$425
Subtotal	21,904		\$12,304	\$34,208
Overhead (at 15%)	\$2,190		\$222	\$2,412
		<i>Cash Match Total</i>	<i>\$2,446</i>	
TOTAL	\$24,094	TOTAL	\$12,526	\$36,620

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 for a portion of the field season.

Volunteer Labor: This is calculated at \$20.00/hr for 14 volunteer events with at least 6 people at each event for 6 hours; \$20/hr x 6 volunteers x 6 hrs x 14 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: This will be used to help cover the cost for first aid kits, tool/supply updates and maintenance, and volunteer appreciation, etc. Additional funds will be put towards a heavy-duty camera used to capture photos of volunteers and better tell the story of our weed pulls.

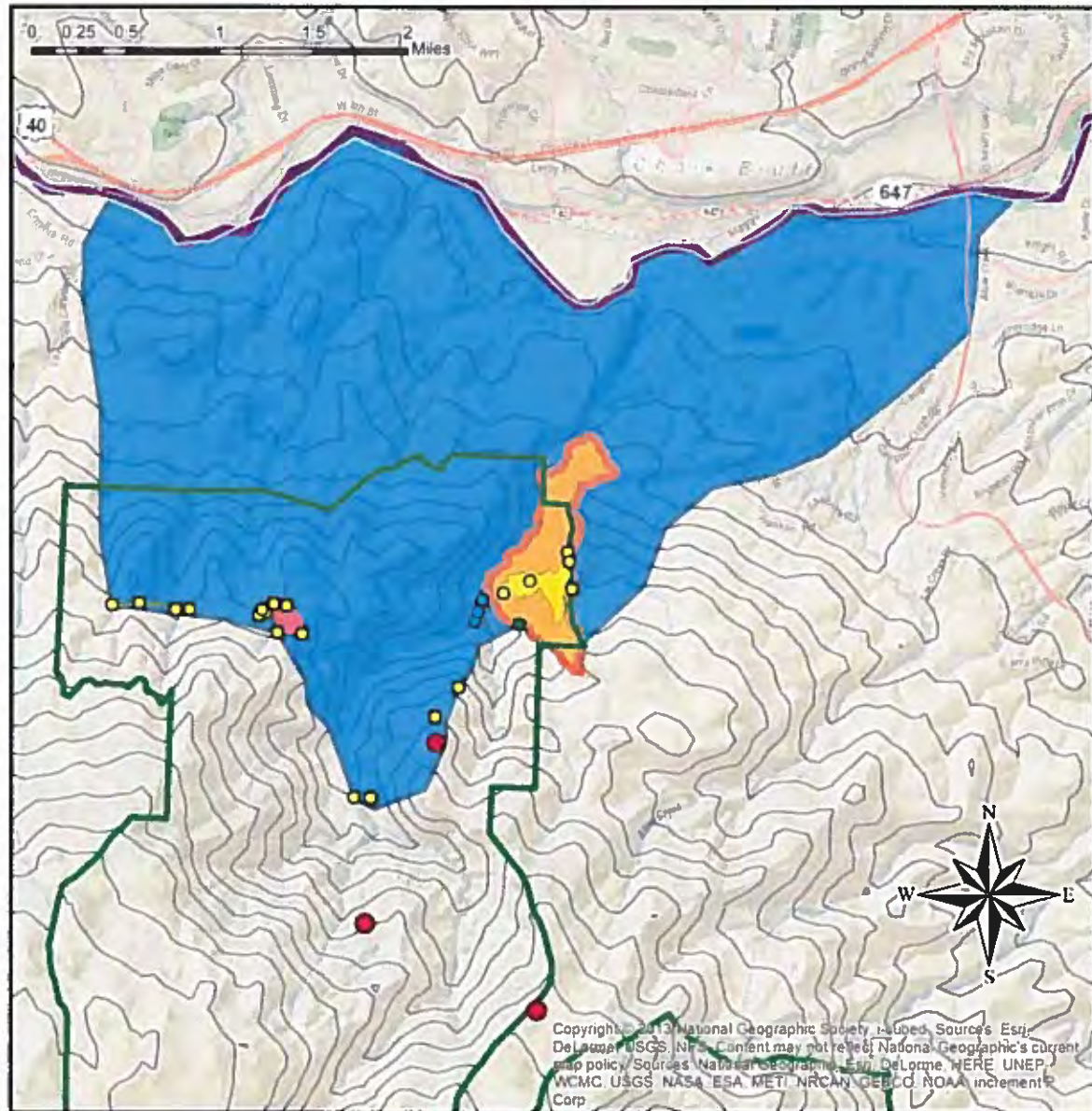
Training Expenses: This will cover relevant classes, possibly the Weed Warrior class hosted by the University of Nevada, Reno Cooperative Extension, and a portion of the Wilderness First Aid training for our seasonal Americorps and staff. In addition, we will continue to update our invasive weed reference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





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 8, 2019

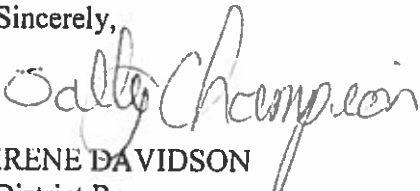
Truckee River Fund
Community Foundation of Western Nevada
50 Washington St.
Suite #300
Reno, NV 89503

To Whom It May Concern:

On behalf of the Humboldt-Toiyabe National Forest, Carson Ranger District, 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 musk 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,

for 
IRENE DAVIDSON
District Ranger



#220

Cover Sheet

Date: 2/7/2019

Organization Name:	Washoe County Parks and Open Space																				
Type:	Local Government - County	Governmental entity? Yes																			
Address:	1001 E. 9 th St. Reno, NV 89512																				
Project Name:	Washoe County Parks and Open Space Weed Treatment and Revegetation Project along the Truckee River																				
Amount requested: \$45,000	Website: https://www.washoecounty.us/parks/																				
This funding will be used to (complete this sentence with a max of 2 sentences):	This funding will be used to remove noxious weeds and re-establish native vegetation in Washoe County Parks and Open Space areas along the Truckee River and its tributaries. The project includes weed inventory, GIS mapping, chemical and mechanical treatments, re-vegetation, and monitoring.																				
Key People:	Director:	David Solaro, Assistant County Manager/Director of Community Services Department																			
	BoardChair:																				
	Project Contact:	Name:	Joanne Lowden																		
		Position:	Natural Resource Planner																		
		Phone:	(775) 328-2039																		
		Fax:	(775) 328-3699																		
		Email:	JLOWDEN@WASHOECOUNTY.US																		
Organization Mission:	Our mission is to provide exceptional parks, open space and recreational opportunities while preserving our natural, historical and cultural resources.																				
Has your organization received other grants from the Truckee River Fund? Yes X* No	*In partnership with the Nevada Land Trust (Lynda Nelson). For prior year grants, grantee may have been Washoe County or Nevada Land Trust. <table border="1"> <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

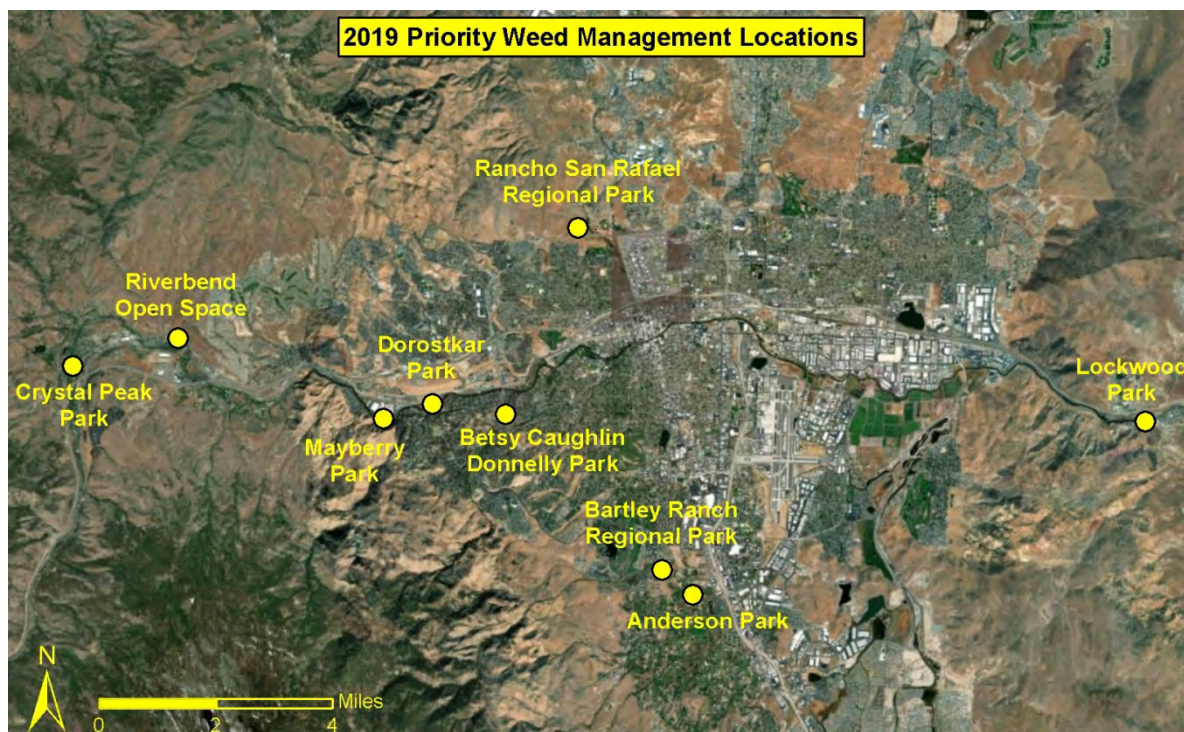
- ☒ A. Projects that improve bank or channel stabilization and decrease erosion.
- ☐ B. Structural controls or Low Impact Development (LID) projects on tributaries and drainages to the Truckee River where data supports evidence of pollution and/or sediments entering the Truckee River.
- ☐ C. Projects 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.
- ☐ E. Other projects that meet the evaluation criteria.

PROJECT NARRATIVE

- 1. Project Goals and Measurable Outcomes and How You Will Measure and Report Them** Project goals include identifying, mapping, and treating noxious weeds in Washoe County Parks and Open Spaces along the Truckee River corridor. Inventories would be conducted to determine the location and size of weed infestations. Pre-treatment maps would be generated showing the number of acres inventoried and the number of acres needing treatment. Success of weed treatments would be evaluated by visually estimating the amount of dead weed vegetation or eliminated weeds in the treatment areas compared to pre-treatment levels (expressed as a percentage). In addition to weed treatments, project goals include re-establishment of native vegetation through seeding and planting container stock. Success of seeding and planting efforts would be monitored over subsequent years. Results would be measured by the total number of acres inventoried, treated, seeded, and planted. Results would also include the estimated success rate of weed treatments.
- 2. Project Location** The project would be located in several Washoe County Parks and Open Space areas along the Truckee River and its tributaries. Priority treatment areas identified for 2019 include Crystal Peak Park (Verdi, NV), Riverbend Open Space (Verdi, NV), Mayberry Park (Reno, NV), Dorostkar Park (Reno, NV), Betsy Caughlin Donnelly Park (Reno, NV), Bartley Ranch Regional Park (Reno, NV), Anderson Park (Reno, NV), Rancho San Rafael Regional Park (Reno, NV), and Lockwood Park (Sparks, NV).
- 3. Project Description** This project would remove noxious and invasive weeds and re-establish native vegetation in Washoe County Parks and Open Space areas along the Truckee River corridor. Project implementation would include weed inventory, GIS mapping and reporting, chemical and mechanical treatments, re-vegetation, and monitoring. A combination of Washoe County staff time, contracts, and volunteer efforts would be used to implement the project. In previous years, a majority of the weed inventory and treatment in Washoe County Parks and Open Spaces along the Truckee River was conducted by the Nevada Land Trust using Truckee River Funds and in partnership with the Nevada Division of Forestry (NDF) using Medusahead Grant funds. Since the Nevada Land Trust weed program has ended, Washoe County Parks would like to continue with noxious weed monitoring and treatments to improve fish and wildlife habitat, enhance recreational opportunities, improve water quality through soil stabilization, reduce fire hazard, and increase the visual quality of parks.

Priority treatment areas identified for 2019 include Crystal Peak Park, Riverbend Open Space, Mayberry Park, Dorostkar Park, Betsy Caughlin Donnelly Park, Bartley Ranch Regional Park, Anderson Park, Rancho San Rafael Regional Park, and Lockwood Park. Each of these parks was inventoried and treated at least once between 2015 and 2017. Previous treatment areas would be monitored and new weed infestations would be documented as part of inventory efforts. Pre-treatment maps would be generated showing the number of acres inventoried and the number of acres needing treatment. A variety of treatments may be used including mowing, hand pulling, and herbicide application. Target weed species based on past data include, but are not limited to, hoary cress (*Cardaria draba*), musk thistle (*Carduus nutas*), diffuse knapweed (*Centaurea diffusa*), yellow starthistle (*Centaurea solstitialis*), Canada thistle (*Cirsium arvense*), poison hemlock (*Conium maculatum*), perennial pepperweed (*Lepidium latifolium*), purple loosestrife (*Lythrum salicaria*), scotch thistle (*Onopordum acanthium*), teasel (*Dispacus spp.*), and medusahead (*Taeniatherum caput-medusae*).

Re-vegetation efforts would include seeding and planting of native vegetation and be focused on areas with larger weed infestations and areas with previous disturbances such as wildfire. The Caughlin Fire burned in Bartley Ranch Regional Park in 2011 and restoration efforts have been ongoing. Approximately 22 acres of upland area along the Last Chance and Lake Ditches would be a priority area for weed treatments and re-vegetation. Washoe County Parks used Nevada Division of Forestry Medusahead Grant funding to obtain native seed mix and Washoe Nursery native plant stock. These materials would be used for re-vegetation projects between Fall of 2019 and Spring of 2020. Monitoring of re-vegetation sites would occur for several years post-treatment to determine if the plantings are successful.



4. **Grant Priorities** The proposed project advances Truckee River Fund grant priorities II, IV, VII, and VIII. Managing noxious weeds and re-establishing native vegetation along the Truckee River corridor helps to improve water quality by stabilizing soils and reducing erosion potential and sedimentation as identified in Priority II. The proposed project advances Priority IV through re-vegetation of upland areas which will help to improve watershed resiliency and targeted efforts in Bartley Ranch Regional Park which will focus on restoring native upland vegetation in a previously burned area. Priority VIII is advanced through Washoe County's partnership with multiple stakeholders including the Nevada Land Trust (One Truckee River Initiative), Keep Truckee Meadows Beautiful, Nevada Department of Wildlife, Nevada Department of Agriculture, and Nevada Division of Forestry to identify restoration needs and leverage funding sources for projects in the Truckee River Corridor.
5. **Permitting** Permits are not required for the proposed project.
6. **Future Land Use** No known or reasonably foreseeable zoning, land use, or development plans would affect the proposed project.
7. **Future Phases** Monitoring and treating noxious weeds in Washoe County Parks and Open Spaces is an ongoing effort that will continue into future years. Washoe County will continue working with the Washoe Storey Cooperative Weed Management Area group and partners such as the Nevada Land Trust, Keep Truckee Meadows Beautiful, Nevada Department of Wildlife, Nevada Department of Agriculture, and Nevada Division of Forestry to identify and leverage funding sources as they become available.
8. **Principals Involved** Joanne Lowden, Natural Resource Planner for Washoe County Parks and Open Space, will be the project manager. Joanne is a member of the Washoe Storey Cooperative Weed Management Area group and attends quarterly meetings. She is currently a certified government applicator for restricted use pesticides for both terrestrial and aquatic weeds.
9. **Staff Positions Involved** At least 5 Washoe County staff positions will be involved part-time with the project including the Natural Resource Planner (Project Manager), District Park Manager, 2 Park Rangers, and the Volunteer Coordinator.
10. **Volunteers Involved** At least one volunteer planting and seeding event will be planned through the Washoe County Parks Volunteer Coordinator with an estimate of 80 total hours. Additional volunteer events may be coordinated internally or with partners.
11. **Time Line** Weed inventory and treatments would occur between April 2019 and October 2019. Seeding would take place between November 2019 and January 2020 depending on weather conditions. Some planting may be done in Fall 2019, but a majority would likely occur in Spring 2020 (March – May). A final report would be completed once re-vegetation projects are completed no later than June 30, 2019.

12. Success The number of acres inventoried, treated, and re-vegetated would indicate the overall success of the project.

13. Grant Match

Match amount to be provided:	\$17,800					
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" data-bbox="456 632 1419 856"> <tr> <td data-bbox="456 632 586 674">Cash</td> <td data-bbox="586 632 1419 674">\$16,200</td> </tr> <tr> <td data-bbox="456 674 586 716">In-kind</td> <td data-bbox="586 674 1419 716">\$1600</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? Yes <u>X</u> No <u> </u></p>		Cash	\$16,200	In-kind	\$1600
Cash	\$16,200					
In-kind	\$1600					
Description of matching funds/in-kind donations:	<p><u>Cash Contributions:</u></p> <p>\$4,320 Medusahead Grant (NDF) funds were used to purchase native seed mix for coverage of 15 acres or more (\$288 per acre). \$5,000 Medusahead Grant (NDF) funds were used to purchase 2,500 container plants from the Washoe Nursery (\$2 per plant). \$6,880 Washoe County paid staff labor (160 hrs.) includes staff time for project management, weed inventory, GIS mapping and reporting, weed and re-vegetation treatments, and coordinating volunteer events.</p> <p><u>In-Kind:</u></p> <p>\$1,600 Volunteer labor (80 hrs. @ \$20/hr.) for volunteer seeding and planting event(s).</p>					

14. Project budget

Budget Item Description	TRF \$	Other Funding Name	Match \$	Total
Materials – seed (for 15 acres)	\$0	Medusahead Grant (NDF)	\$4,320	\$4,320
Materials – plants (2,500 plants)	\$0	Medusahead Grant (NDF)	\$5,000	\$5,000
Staff Labor – paid (160 hrs.)	\$0	Washoe County	\$6,880	\$6,880
Volunteer Labor (80 hrs. - \$20/hr.)	\$0	Washoe County	\$1600	\$1600
Contract – Labor and materials	\$45,000		\$0	\$45,000
TOTAL	\$45,000		\$17,800	\$62,800



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**TRUCKEE MEADOWS WATER
AUTHORITY**
Quality Delivered

#221

Cover Sheet**Date:** 2/8/19

Organization Name: One Truckee River (Nevada Land Trust as fiscal agent)	
Type:	501(c)(3) EIN# 88-0287591 Governmental entity? No
Address: 2601 Plumas Street, Reno, NV 89509; PO Box 20288, Reno, NV 89515	
Project Name: River Restroom Project lead by One Truckee River	
Amount requested: \$124,976	Website: www.onetruckeeriver.org
This funding will be used to:	<p>Funds requested will be used to support the establishment of the next public restroom along the Truckee River by:</p> <ol style="list-style-type: none"> 1. Expanding the project's concept to garner more support 2. Providing outreach to the currently homeless river users 3. Growing One Truckee River to increase engagement with the public <p>The aim is for these short-term goals to develop a foundation to support the project's long-term goal: to improve the Truckee River and Pyramid Lake's water quality by the establishment and support of 19 public restrooms along the Tahoe - Pyramid Trail, which follows the Truckee River for 114 miles from Tahoe to Pyramid.</p>
Key People:	Director: Alicia Reban
	Board Chair: Brian Bonnenfant
	Project Contact:
	Name: Iris Jehle-Peppard
	Position: One Truckee River Partnership Coordinator
	Phone: 775-851-5183
	Fax: 775-851-5181
	Email: iris@onetruckeeriver.org
Organization Mission:	One Truckee River works to ensure a healthy, thriving, sustainable river connected to the hearts and minds of its community.
Has your organization received other grants from the Truckee River Fund? Yes X No (use additional page if necessary)	If yes,
	Date awarded: Please see Attachment A
	Project title:
	Amount of Award:
	Date awarded:
	Project title:
	Amount of Award:
	Date awarded:
	Project title:
Amount of Award:	

The River Restroom Project best fits these categories:

- ☒ C. Projects that remove pollution from the Truckee River.
☒ E. Other projects that meet the evaluation criteria.



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

The River Restroom Project's (the Project) goal is to improve the Truckee River and Pyramid Lake's water quality by the establishment and support of 19 public restrooms along the Tahoe- Pyramid Trail, which follows the Truckee River for 114 miles from Lake Tahoe to Pyramid Lake. Since 2018, OTR's core staff has focused on supporting collaborations with local government entities and nonprofits to increase public restrooms along the Truckee River. From that work these short-term goals emerged to support the Project: 1) Expand the Project concept to garner more support, 2) Provide outreach and connection with currently homeless river users, and 3) Grow One Truckee River to build capacity and engage with residents along the river.

The measurable Project outcomes are to:

- A. Finalize the River Restroom Project Plan with key stakeholders by:
 - a. Securing at least two more key partners who will financially support the Project
 - b. Developing and implementing a strategic communication plan
 - c. Conducting a series of OTR partner retreats and meetings to build capacity and develop metrics to track OTR's phase one management plan's level of success
- B. Increase the understanding and respect for the Truckee River from Brodhead to John Champion parks by engaging with currently homeless river users and local residents within a one-mile radius of Brodhead Park. This work will aim to:
 - a. Decrease the trash within that area
 - b. Understand the perspectives of currently homeless river users and local residents surrounding river related issues and share this information with the OTR partnership
 - c. Increase participation in OTR Month, river walks, and Keep Truckee Meadows Beautiful (KTMB) river cleanups
- C. Increase OTR followers (newsletter subscribers, Facebook, Twitter, and Instagram) by 200% by:
 - a. Directing OTR AmeriCorps to be present at river-related events to encourage residents to follow OTR in real-time with incentive
 - b. Collaborate with other entities to lead public river-related events
 - c. Deepen relationships with key partners to utilize their audiences to promote OTR efforts

The outcomes will be measured by work completed, partners secured, capacity built, engagement conducted, decreased trash, participant lists from events, and OTR's follower numbers. Reporting will take place each quarter, in line with the TRF grant report deadlines.

2. Project location: Truckee River watershed within Washoe County, NV.

3. Project description: The Truckee River flows for approximately 121 miles from Lake Tahoe to Pyramid Lake. Along the river, basic facilities (the most critical being public restrooms) are few and far between, with approximately nine restrooms available. Approximately 10 more restrooms are needed to meet the growth of recreational users and urban population expanding near the Truckee River.

The most acute need for restrooms is within in the river's urban middle reaches in Nevada, where currently homeless individuals live along the river banks. In 2017, Washoe County reported a 60% increase in homelessness in less than a year. A common response to the challenge of currently homeless individuals utilizing natural resources is for local law enforcement to increase the implementation of illegal camping laws, as many of these individuals are in violation of these laws.



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Yet, with population growth, increased homelessness, and government budget constraints, law enforcement struggles to keep up with addressing these violations. While law enforcement does conduct arrests for illegal camping, there is minimal recourse to deter these individuals from returning to the banks of the river after they are released.

Currently, groups within the region are conducting research, raising funds, and expanding efforts to increase services to address homelessness. The expansion of homeless shelters, the increase of case workers, and the development of more affordable housing are underway. Comprehensively addressing the many issues surrounding homelessness will positively impact the river. However, human services professionals recognize there is a segment of this population that is very “service-resistant” and will always access common resource areas to reside. Common precursors of homelessness include major mental illness, AIDS, degenerative diseases, alcoholism, drug addiction, and accidental injuries. Regardless of the expansion of human services, public restrooms along the Truckee River are necessary for these individuals as well as resident and visiting users.

Lack of sanitation services has created a human waste issue that impacts the water quality of the Truckee River and Pyramid Lake, which serve as drinking water sources, recreational waters, irrigation water sources, and habitat to the federally-listed Lahontan cutthroat trout (*Oncorhynchus clarkii henshawi*) and Cui-ui sucker (*Chasmistes cujus*). The presence of visible feces also discourages residents and visitors to walk, bike, or enjoy green infrastructure along the river.

In 2017, key OTR stakeholders identified management plan action item 1.3.c, focused on increasing public restrooms along the river, as a high priority because of health risks associated with the pervasive problem. With this priority set, OTR’s core staff focused to support collaboration to increase public restrooms along the Truckee River. As part of the project’s momentum, OTR’s Housing and Sanitation 2018 working group began researching options to add more restrooms. After extensive study, the group majority agreed that the “Portland Loo” restroom is a viable option for Truckee River placement. Interviews with other city staff where Portland Loos are established were conducted, summarized, and shared. Proposed time lines, marketing tools, and design plans were created or collected.

Over the course of eight months, OTR core staff had conversations, group meetings, and field trips with cities of Reno and Sparks staff and elected officials to examine the issue. General support for the project was given by the Downtown Reno Partnership. For multiple reasons, staff from both cities felt it was not the right time to install more restrooms along the river under their entities. The City of Reno explored investing in a new restroom, but the long-term cost to maintain the facilities was of concern. More planning efforts were discussed. Truckee Meadows Water Authority (TMWA) obtained property located near Brodhead Park along the Truckee River. TWMA and OTR staff explored the opportunity this location could serve for much needed river restroom options.

With more public restrooms along the Truckee River, all river users can utilize these public facilities instead of the riverbank. TMWA and other governmental agencies have consistently recorded elevated levels of *Escherichia coli* (*E. coli*) in the river, and while the source of *E. coli* has not been tied directly to a single source, human waste is a probable contributor. To establish a public restroom is expensive, and once installed, they require on-going funding for maintenance. Local government agencies struggle to find enough resources to fill this need with declining park/recreational funding and increasing population growth.

So, where do we start? The Project’s short-term goals support the success of the next river restroom once additional backing is gained from an entity outside of TMWA, TRF, and NDEP, and the TMWA board approves supporting the Project.



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OTR has engaged Keep Truckee Meadows Beautiful (KTMB) to lead the Project's educational efforts and has secured a qualified professional to conduct currently homeless outreach. OTR staff continues to build the clear environmental, social, and eco-tourism connections with the Project.

4. Grant priorities. OTR meets the following grant priorities:

VI. Stewardship and Environmental Awareness: The Project is developing connections in the region to increase the understanding and engagement of the Truckee River ecosystem and related issues. Engagement will focus on nurturing a respect for the river. It will utilize KTMB's Watershed Warriors and (to be developed) river education focused on supporting the Project. The goal is to increase awareness of river-related issues and increase OTR followers. Connections will develop or increase within these populations;

- The currently homeless river users from Brodhead to John Champion parks
- Local residents within a mile radius of Brodhead Park
- Downtown residents from Mayberry to Rock parks
- Followers of key OTR partners
- Participants who attend river events

The Project will also support KTMB's River Clean-Up to cover Brodhead to John Champion parks, OTR Month, neighborhood river walks, hosting a collaborative event with Truckee Meadows Tomorrow, work with Change Point to enhance needle return, work with Turning Point to build OTR capacity and develop trackable metrics for OTR success.

VII. Meet Multiple Objectives: The Project's short-term goals will...

- Support the establishment of a new restroom along the Truckee River, which will support the long-term goal to meet the total restroom need from Tahoe to Pyramid. With the restroom need met, all river users will be able to urinate and defecate in the proper facilities instead of along the river banks entering the region's drinking water source
- Create opportunities to connect with residents by utilizing KTMB's Watershed Warriors education and supporting this education to incorporate Project goals
- Develop a connection with the currently homeless river users to foster an increased respect for the river and build a stronger network from this subculture to the OTR partnership

VIII. Leverage Stakeholder Assets and Participation: One Truckee River will...

- Align the Project's goals with these key Project partners: TMWA, NLT, and KTMB
- Recognize, honor, and work to leverage past TRF support of OTR and KTMB
- Work to engage additional partners to align with the Project: Tahoe-Pyramid Trail, Downtown Reno Partnership, and Renown Health
- Engage with other nonprofits to explore collaboration and possible partnership: Change Point, Community Health Alliance, Truckee Meadows Tomorrow, and Crossroads

One Truckee River, through this grant request, is leveraging its recent second grant award from NDEP and will continue to seek opportunities to leverage funding and sponsorship opportunities.

5. Permitting. TMWA, with board approval, will lead the installation permitting process for the new Truckee River public restroom. In December 2018, OTR and TMWA staff met with City of Reno staff to discuss the possibility of TMWA executing the installation of a new public restroom near the Truckee River. At this meeting, OTR and TMWA staff received verbal approval from city staff to construct the new restroom. No other permitting issues present themselves at this time for the Project's plans for the next two years.



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6. Future land use. In 2018, TMWA obtained property (parcel number 012-15-07) along the river. The property is right behind Brodhead Park and could serve as a possible location for a new public restroom. The biggest restroom need is from Brodhead to Fisherman's parks. After one new restroom is established, the process to explore the other locations will be expanded.

7. Near future project phases: OTR, with fiscal agent NLT, is currently applying for a National Fish and Wildlife Foundation grant (titled Resilient Communities) to assist with funding of future restrooms along the river in both Nevada and California. Additionally, OTR has discussed with TMWA the action of requesting sponsorship from Renown Health.

8. Principals: OTR Partnership Coordinator, Iris Jehle-Peppard, with the support of: OTR Outreach Coordinator, Alex Hoeft; River Coordinator TBD (candidate Austin Pollard has been identified); and two AmeriCorps

9. Number of staff positions involved in Project: Fulltime 2 Part-time 3

10. Number of volunteers involved. Currently, OTR staff doesn't have the capacity to manage volunteers. KTMB will engage volunteers with the River Restroom Project. OTR will work to engage Change Point, Community Health Alliance, Truckee Meadows Tomorrow, and Crossroads. OTR encourages separate proposal requests to equal the total of the whole project. This will allow groups engaged to increase their stakeholder ability in the Project.

11. Project Timeline: For full Project details see Attachment B: *Activities Timeline for the River Restroom Project*. A summary of the project's timeline is below.

Phase 1: February to June 2019 – Finalize the plan, gain financial support, and prepare/move forward with the implementation of TMWA's Loo

Phase 2: July to December 2019 – Develop the strategic communication plan focused on supporting the Project and educational material by utilizing KTMB's Watershed Warriors tools, establish the Project's public relations support, and begin river outreach and neighborhood river walks

Phase 3: January to June 2020 – Deepen and expand partner relationships and engagements, continue with public event connections, river outreach, and neighborhood river walks

Phase 4: July to December 2020 – Creatively engage government, human service entities, and currently homeless individuals with art projects focused on the conjunction of environmental and social issues along the river, quantify and evaluate the Project, and develop a plan (from lessons learned) to continue the goal of increasing more public restrooms along the river.

12. Success. The Project will be successful if the short-term goals met build a strong base of Project allies, supports, and lessons learned to launch a restroom package at the end of 2020. This package will aim to immediately add three more restrooms, with multiple supporters engaged after the first one is already established. With package efforts successful, a model will be developed to address public restroom needs surrounding natural resources for the region and other areas facing similar challenges. When more than three restrooms are established within a 50-mile radius of each other, the Project would expect to see the long-term goal of increased quality of water met, measured by the decreased levels of E. coli in the Truckee River. TMWA continually tracks this data and it would be utilized to determine the level of long-term Project success.



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River Restroom Project Budget from Feb. 2019 to Dec. 2020

		Funds request to TRF	Match secured NDEP #2	Match to launch the Project	Total
Personnel:	Alicia Reban, NLT Executive Director			\$9,360	\$9,360
	Alex Hoeft, OTR Outreach Coordinator	\$23,000			\$23,000
	TBD, River Coordinator			\$8,970	\$8,970
Contractual:	Iris Diana Peppard, Partnership Coordinator		\$31,244		\$31,244
	Two AmeriCorps	\$24,000			\$24,000
	Turning Point, Inc. to conduct OTR capacity building, coaching and technical support for OTR metrics	\$30,600			\$30,600
Facilities:	Restroom established			\$130,000	\$130,000
	Maintenance for the restroom			\$14,000	\$14,000
Engagement:	Two iPads with a 3GB wireless mobile share plan to allow OTR AmeriCorps to sign up individuals on-site as an OTR followers	\$4,356			
	Printing of bilingual (English and Spanish) direct mailers to residents within a mile radius of the Truckee River from Mayberry to Rock Parks focused on connecting with OTR (19,674 residents x .10 per mailer)	\$1,967			\$1,967
	Printing of bilingual (English and Spanish) direct mailers to residents within a mile radius of Brodhead Park focused on river walks and KTMB's River Clean-up (2,186 residents x 0.10 per mailer)	\$2,186			\$2,186
	Printing of flyer to be distributed by other OTR partners (50,000 pieces x 0.10 each)	\$5,000			\$5,000
	Direct mailing of print flyer to residents within a mile radius of the Truckee River from Mayberry to Rock Parks focused on connecting with OTR (19,674 mailers x .20 per mailing)	\$3,935			\$3,935
	Direct mailing of print flyer to residents within a mile radius of Brodhead Park focused on river walks and KTMB's River Clean-up (2,186 mailers x .20 per mailing)	\$437			\$437
	Food to support public event hosted in collaboration with Truckee Meadows Tomorrow focused on the Truckee River	\$1,500			\$1,500
	Social Media advertisements to increase OTR's followers	\$500			\$500
	Radio advertisements to increase OTR's followers	\$2,500			\$2,500
	Total Direct	\$99,981	\$31,244	\$162,330	\$293,555
	<i>In-direct percentage of total budget at 25% to support administrative and operating costs</i>	\$24,995			\$24,995
	TOTAL	\$124,976	\$31,244	\$162,330	\$318,550

Note: Oct. 1, 2018, OTR was awarded a second grant from NDEP. To launch the Project, financial support from another entity is to be secured for the maintenance and River Coordinator position. Additionally, TMWA Board will need to vote yes to support the purchase and installation of a restroom on its property. KTMB engagement in the Project is not included in this budget, as they are submitting a separate proposal for their Project work. Change Point Project engagement is not in this budget. They plan to submit a proposal to TRF at the next grant RFP cycle.



**COMMUNITY
FOUNDATION**
of Western Nevada

TRUCKEE RIVER FUND
Enhancing and protecting our water resources



Grant Match

Match amount to be provided:	\$31,244				
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>\$31,244</td> </tr> <tr> <td>In-kind</td> <td>\$</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? Yes X No ___</p>	Cash	\$31,244	In-kind	\$
Cash	\$31,244				
In-kind	\$				
Description of matching funds/in-kind donations:	Oct. 1, 2018, OTR was awarded a second grant from Nevada Division of Environmental Protection. One Truckee River, through this grant request, is leveraging this award and will continue to seek opportunities to leverage funding and sponsorship opportunities.				

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

Attachment A: Nevada Land Trust Truckee River Fund Grant History

Date Awarded:	March 30, 2018
Project Title:	TRF #203: One Truckee River Watershed Management and Source Protection Plan, Partnership Support
Amount of Award:	\$173,580
Date Awarded:	March 22, 2017
Project Title:	TRF #188: One Truckee River – Phase 1 Action
Amount of Award:	\$256,220
Date Awarded:	September 23, 2016
Project Title:	TRF #180: One Truckee River – Phase 1 Implementation
Amount of Award:	\$98,534
Date Awarded:	March 21, 2012
Project Title:	TRF #104: Washoe Drive Fire Stabilization and Restoration Effort
Amount of Award:	\$115,000
Date Awarded:	December 12, 2011
Project Title:	TRF #99: Caughlin Fire Emergency Watershed Stabilization & Restoration Effort
Amount of Award:	\$219,856
Date Awarded:	October 11, 2011
Project Title:	TRF #90: Weed Treatments & Revegetation, Truckee River & Tributaries
Amount of Award:	\$127,500
Date Awarded:	July 21, 2009
Project Title:	TRF #70: Weed Treatments & Revegetation, Truckee River & Tributaries
Amount of Award:	\$125,000
Date Awarded:	July 21, 2009
Project Title:	TRF #66: Scope of Work for Truckee River Ecosystem Restoration Coordination, Creation of a Five-Year Weed Control and Restoration Plan for the Truckee River
Amount of Award:	\$10,000
Date Awarded:	July 17, 2008
Project Title:	TRF #46: Weed Treatments & Revegetation, Truckee River & Tributaries
Amount of Award:	\$112,500

Attachment B: PROJECT ACTIVITIES TIMELINE FOR THE RIVER RESTROOM PROJECT 2019-2020 – Updated 2/5/19

[illegible]

ACTIVITIES	2019	
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[illegible]

#222

Truckee River Fund Grant Proposal**Fiscal YR 2019****Date:** 2/8/2019**Organization Name:** Great Basin Institute**Type: 501c3 ID#:** 88-043-1016**Government Entity:** No**Address:** 16750 Mt. Rose Hwy. Reno, NV 8951, Suite 101**Project Name:** Galena Creek Ecological Restoration & Demonstration Project**Amount Requested:** \$50,803**Website:** <https://www.thegreatbasininstitute.org/>

This funding will be used to: Establish demonstration plots for restoration of riparian ecosystems while engaging student in service-learning in the STEM disciplines. Students & educators will increase their understanding of water quality and watershed dynamics, thereby supporting career development and interests in the STEM fields. Project funds will be applied to University of Nevada, Reno teacher education credits, AmeriCorps education stipends, planting materials, and bus transportation.

Key People: Jerry Keir, Executive Director, Great Basin Institute; Dr. Glenn Miller, University of Nevada, Reno; Dr. Stephen Lafer, Professor, Emeritus, College of Education, University of Nevada, Reno

Project Contact: Jerry Keir, Executive Director, Great Basin Institute

Phone: 775.846.9310

Email: jkeir@GBInstitute.org

Organization Mission: GBI advances applied research to support science-based adaptive management of public lands. The Institute is dedicated to the promotion of science through field studies programs, conservation practices, and public outreach.

Has your organization received other grants from the Truckee River Fund? Yes

Date Awarded: November 2007 **Project Title:** Truckee River Invasive Plant Eradication & Restoration Demonstration Project **Amount of Award:** \$134,396

Description of Project under Consideration:

A. Projects that improve bank or channel stabilization and decrease erosion; C. Projects that remove pollution from the Truckee River.

Galena Creek Restoration & Demonstration Project

1. Project Goals and Measureable Outcomes. The Great Basin Institute proposes to unite K-12 educators, restoration ecologists, and agency personnel to improve water quality through the restoration of upstream conditions along the Galena Creek drainage. As part of the Institute's established curricula at Galena Creek Visitor Center, student groups and educators will complete a restoration site plan using a variety of STEM-based learning tools. Students will then restore and monitor stream plots to create a living laboratory for ongoing field study. Located within Washoe County's Galena Creek Regional Park, the project will also support public education through GBI guided interpretive hikes of the restoration area and by constructing interpretative signage that focuses on the project goals, methods, and intended outcomes. As such, the environmental and educational goals of the project, and those metrics that indicate success, are as follows:

Environmental Goals. This project restores degraded sections of Galena Creek to proper functioning condition and will improve water quality within the watershed. The re-introduction of native species will reduce erosion by stabilizing soil along incised stream bank. Increased riparian vegetation will provide shade cover, reducing temperatures and increasing dissolved oxygen, in turn maintaining macroinvertebrate species. Increased native shrubs, grasses, and forbs will improve habitat for critical aquatic and terrestrial organisms.

Successful restoration will be assessed and quantified using core indicators identified in the Bureau of Land Management's Program's Aquatic Monitoring Framework. The approach characterizes trend and condition of pH, specific conductance, temperature, pool depth, length, and stream bed particle size, bank stability and cover. The assessment also includes measurement of macroinvertebrate biological integrity, riparian vegetative type, cover, and structure, and canopy cover. Measurements will be taken to demonstrate improved conditions and will be reported seasonally on our website, including before/after photos of the project for subsequent years.

Student Educational Goals. Through field-based programs, this project increases student learning outcomes in the STEM disciplines while fostering an interest in the natural sciences. Service-learning elements will promote inquiry-based educational processes and further an awareness of behaviors that affect positive environmental change. This project will also increase ecological literacy among K-12th grade students about aquatic systems and the methods and technologies used for watershed assessment. Students will learn how to establish monitoring plots, quantify baseline conditions, and characterize restoration success by utilizing current technologies that capture biological and physical conditions. Some 1,600 students will participate in this project over a two year period.

Achievement will be measured through assignments designed to allow students to demonstrate understanding and proficiency in the STEM disciplines. Successful field instruction will be measured through assessments at the beginning and end of the project. Prior to field work, students will pre-test to determine existing knowledge and attitude towards the natural

environment, including the use of a Likert scale for quantitative assessment. The same test is again administered to establish knowledge and attitudinal change.

Teacher Education Goals. This project provides educators with the methods and tools needed to effectively deliver lessons that address theories and concepts related to water quality and watersheds. GBI ecologists and UNR educators will provide field instruction to facilitate learning experiences that will help them in teaching their students to think scientifically. Next Generation Science Standards, with their emphasis on science as process, are addressed through interactive learning modules keyed to the field work that support professional development goals related to the development of scientific literature and critical thinking.

This integrated approach, concepts taught in the context of hands on application to achieve meaningful ecological goals, will allow educators to enhance their understanding of the field course material while working with our established summer programs at Galena. The Institute will draw teachers to the program by offering continuing education credits in conjunction with the University of Nevada Extended Studies program. Program success will be measured by the total number of educators completing this accredited summer program. Teachers will also be given a Likert scaled evaluation to assess the success of the field study and its potential application to their classroom instructional approach.

Public Outreach Goals. Restoration sites will be identified through signage that interprets the importance of watershed stewardship for user groups at the park. Public lectures and nature hikes hosted by GBI at the Visitor Center will utilize the sites for demonstration and ongoing learning of adaptive management practices. Additional outreach on the project will include press releases, updates on social media, and project information posted on the Galena Creek Visitor Center website. Outreach will also incorporate the work of educators in the summer institute, thus encouraging county educators to engage their cohorts in similar hands-on education experiences.

Success will be measured by capturing total outreach events completed and number of participants in attendance at lectures and hikes and surveys will capture benefits of the program for various user groups within the recreation area. Feedback received from participants will be used to inform future educational outreach programs for the general public. GBI naturalists and educators will complete an evaluation of the program to consider the resources they would need to implement outdoor education and other settings where they may work.

National Service Goals. Through the use of service-learning methodologies and stewardship actions, this project will also engage AmeriCorps members in community-based restoration and conservation efforts. The Nevada Conservation Corps, a program of the Institute, will dedicate a restoration team to participate in this project, establishing the initial demonstration site. These recent college graduates will have the opportunity to apply their formal education to nearby restoration efforts that can be assessed and monitored over time. Success will be measured by the number of AmeriCorps members participating in the project and those volunteers who will join the team during National Public Lands service days.

2. Project Location. Galena Creek Regional Park, Truckee River Watershed, Galena Creek Tributary (Latitude: 39.354398, Longitude: -119.858144)

3. Project Description. GBI seeks to expand learning opportunities, specifically for Title I students, in service-based outdoor education through collaboration with teachers, educational institutions, land management agencies, and local foundations. The Institute delivers educational programs while serving as lead organization at the Galena Creek Visitor Center, a partnership with Washoe County and the US Forest Service now entering its eleventh year. This collaboration aims to ensure students and teachers have access to integrated educational activities at outdoor sites of learning, regardless of financial limitations. Utilizing the infrastructure at the Regional Park, including the interpretative center, residential facility and historic fish hatchery, the Institute provides field study programs for schools and the general public. This project builds upon the successful partnerships made possible at this unique urban forest location, further expanding educational programs to include service-learning and ecological restoration.

For this project, the Institute will establish restoration sites along Galena Creek, an at-risk tributary of the Truckee River. Project staff will engage teachers and students in STEM-based learning relevant to curricula used in Washoe County schools and will introduce teachers and students to theories and concepts of applied restoration ecology and watershed stewardship. Students will be challenged with inquiry-based field studies at Galena where students actively develop site plans, then participate in hands-on restoration and monitoring activities. A post-trip classroom visit will capture learning outcomes through testing. This project addresses the need for civic local engagement in active restoration activities, providing integrated learning opportunities and ongoing stewardship of our local watershed.

4 Grant Priorities. This project supports multiple Truckee River Fund priorities that seek watershed improvements by reducing sediment, suspended solids, or TDS discharges to the Truckee River. The project also supports the development and implementation of educational programs relative to water, water quality and watershed protection.

5 Permitting. Project site is located within Galena Creek Regional Park and does not require special permitting.

6 Future Land Use. Land use status will remain protected under the Washoe County Parks and Open Space Plan.

7 Future Phases. Future restoration sites at Galena Creek will be identified based on the successful restoration trials completed during this pilot phase. Funding sought the EPA 319 grant program, as well ongoing foundation support, will continue the restoration and monitoring programs. Fees from teacher institutes and our residential camps will also contribute to sustaining the project.

8 Principals Involved. Jerry Keir, GBI Executive Director. Colleen Wallace, Washoe County Parks Regional Manager, Dr. Stephen Lafer, Professor of Education, Emeritus, University of Nevada, Reno. Dr. Glenn Miller, Professor, College of Natural Resources, University of Nevada, Reno.

9 Staff Positions Involved. GBI Educators, Naturalists, Restoration Ecologists, and Administrators will support the implementation of this project.

10 Volunteers Involved. Volunteers in this project include AmeriCorps restoration team members, participants in National Public Lands Day service events and educational docents serving at the Galena Creek Visitor Center. Total of 112 episodic and ongoing volunteers for 2,300 hours.

11 Time Line.

Spring/Summer 2019. GBI ecologists and agency representatives will review discrete restoration tasks during site inspection. GBI will follow best practices for riparian restoration and will support the testing of multiple techniques to determine the most effective and least costly strategies for restoration of disturbances.

Fall 2019. After establishing monitoring plots and transects, initial restoration begins at demonstration site. Species selection and ordering will be made through NDF nursery and Comstock Seed. Moderate terracing of streambed will allow for seedling planting, willow waddling, staking, seed dispersal and jute mat coverage. Treatment area will be secured with Tenax snow fencing, and temporary signage will be installed for protection and interpretation.

Spring / Summer 2020. Course packets developed for educators. Classroom visits with schools to introduce core STEM concepts completed. Monitoring of initial site with student groups in late spring. Educational programs delivered to summer camps, teacher institutes, and public outreach events.

Fall 2020. Secondary restoration trials implemented with the support of student groups and GBI restoration teams. Additional monitoring plots established and databases archived for legacy data and project reporting.

Spring/Summer 2021. Course packets developed for educators. Classroom visits with schools to introduce core STEM concepts. Monitoring of initial site with student groups in late spring. Educational programs delivered to summer camps, teacher institutes, and public outreach events.

Fall 2021. Monitoring restoration sites continues with the support of student groups and GBI restoration teams. Additional treatments for adaptive practices completed. Monitoring continues twice annually by GBI Galena staff. Completed evaluations and reporting done by calendar year end.

12 Success. Success will be characterized by completed restoration on the Galena drainage with ongoing monitoring sites established by teachers and students from Title One schools. Completed course work and curricula development by educators will also demonstrate success.

13 Grant Match. Match is provided by grants made possible by the Nell J. Redfield Foundation, the William Pennington Foundation, AmeriCorps, and through program fees and contributions provided by school groups and the general public.

14 Project Budget. See attachment.

Project Budget

Budget Item Description	TRF \$	Other Funding Name	Match Cash	Match In-kind	Total
Program Director	0	Great Basin Institute	60,427.00	-	60,427.00
Environmental Educator Labor	11,363.00	Great Basin Institute	26,610.00	-	37,973.00
2 AmeriCorps Member (Naturalists) Living allowance	12,468.88	*Neil J. Redfield Foundation	48,119.12	5,000.00	65,588.00
Summer Teacher Institute Stipends	3,750.00		-		3,750.00
GBI Restoration Crew Labor	11,250.00	Nevada Conservation Corps	-	5,000.00	16,250.00
Planting Materials	5,576.80	Great Basin Institute	-	-	5,576.80
Aquatic Equipment and Samples	-	Nevada Conservation Corps	3,683.25	-	3,683.25
Curriculum Packets and Lesson Materials	1,890.00	*Neil J. Redfield Foundation	472.50	-	2,362.50
Travel/Transportation	3,437.50	*Pennington Foundation	859.38	-	4,296.88
Overhead	1,067.00	Great Basin Institute	21,025.69	-	22,092.69
Total	50,803		161,196.93	10,000.00	222,000.11

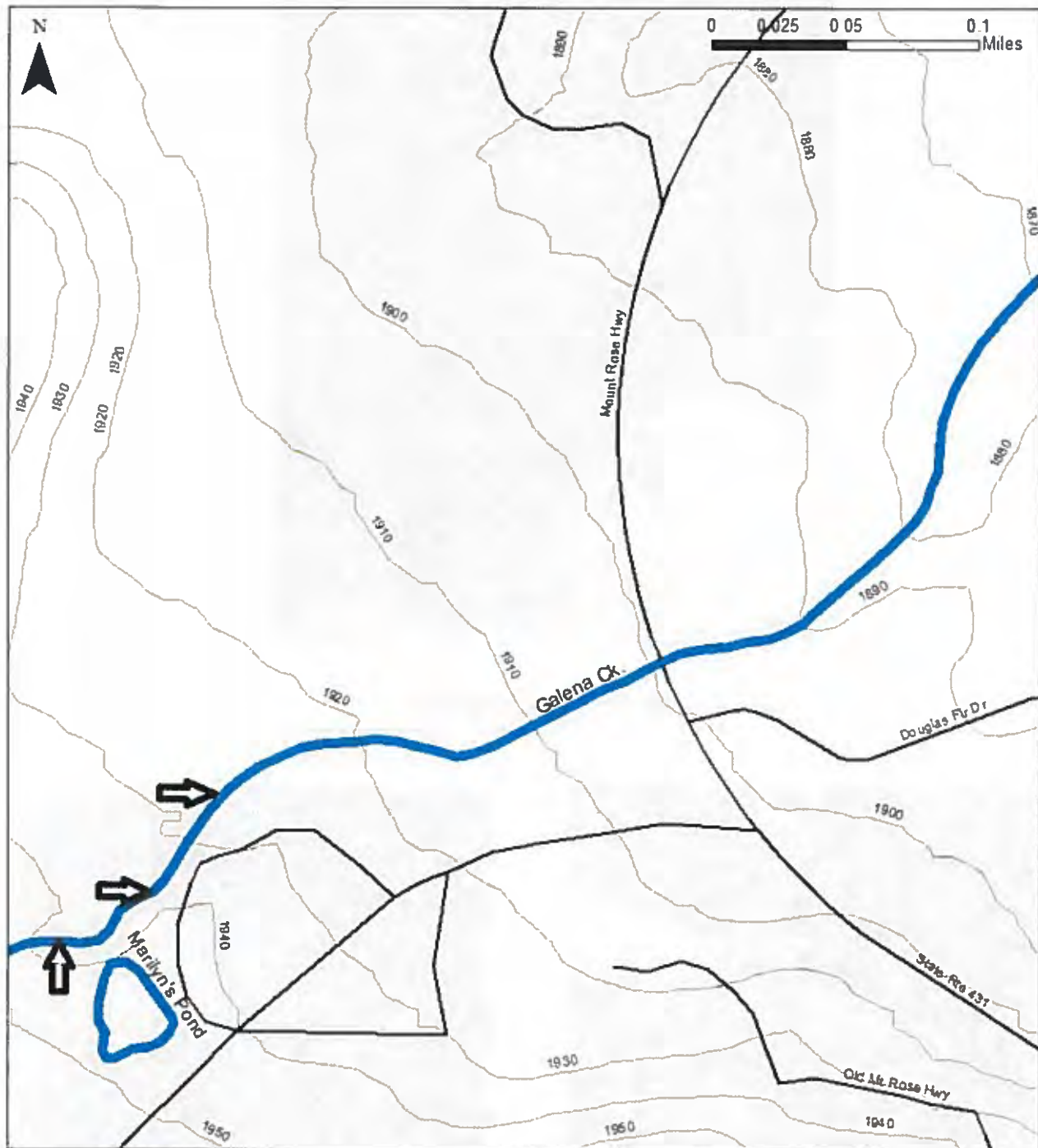
*Redfield Foundation and Pennington Foundation have consistently pledged in support of ongoing educational projects. 2018 support totaled \$105,000.

Grant Match				
Match amount to be provided	\$	171,196.93		
Match Details:	Match is:			
	Cash	\$ 161,196.93		
	In-Kind	\$ 10,000.00		
Description of matching funds/in-kind donations:	For the cash portion of your match, is the funding already being held by the applicant for this project? No			
	Contributions through local foundations, AmeriCorps, and Program Fees will be contributed to this project.			






Sample Areas for Ecological Restoration





Legend

-  Waterbodies
-  Roads
-  Contour Lines



Education. Research. Service.
www.theGreatBasinInstitute.org

TO: Truckee River Fund Grant Review Committee
FROM: Jerry Keir, Executive Director
RE: Grant Request for Galena Creek Ecological Restoration & Demonstration Project
DATE: August 24, 2018

As Executive Director of Great Basin Institute, I am writing to confirm our staff support and fiscal contribution to the NDEP 319 grant application. Our organization operates environmental programming at Galena Creek Regional Park and seeks to further our efforts toward promoting service-learning and stewardship activities through this grant proposal.

To provide background, the Institute operates field studies at the Galena Creek Visitor Center and the WeChMe Lodge at the Galena Creek Recreation Area, six miles from south Reno. The Field Studies program through GBI supports youth engagement strategies to achieve improved academic outcomes through field-based service-learning. Our collaboration with school systems improve school readiness for economically disadvantaged Washoe County children, and enhance educational and behavioral outcomes of students in low-achieving elementary, middle, and high schools. The programs aid the preparation for successful transitioning to post-secondary educational institutions for economically disadvantaged students.

The field studies have grown in seven years to serving 4,180 student days in calendar year 2018 with robust, Next Generation Science Standards-based curriculum in a discovery-based outdoor setting. Our emphasis is to provide academic enrichment for at-risk youth, and, as such, the percentage of Title I students served in the 2018 calendar year was 62.3% of the total 4,180 students. The program has received recognition from Washoe County and the US Forest Service, and educational awards from the federal Corporation for National and Community Service.

Since 2009, the US Forest Service and Washoe County Regional Parks and Open Space have provided in-kind support for learning facilities for our educational programs. Additionally, direct cash support from the Redfield Foundation (\$78,000), and the Pennington Foundation (\$22,000) will contribute to the match for this project. Academic support and direction is also provided by our Board of Advisors, which includes Washoe County Science Coordinator, the STEM Coalition, and NWRPDP Science Learning Facilitators.

Your generous support will make such important learning experiences accessible to those who otherwise would be left inside the classroom. Please feel free to contact me directly should you have any questions regarding the programs or proposed activities for Galena.

Sincerely,

Jerry Keir

Executive Director, Great Basin Institute
 775-846-9310
jkeir@gbinstitute.org



College of Agriculture,
Biotechnology, and Natural Resources
University of Nevada, Reno

Glenn C. Miller, Professor

January 28, 2019

Dear Grant Review Committee,

I am pleased to offer my support for the Great Basin Institute's proposal for the Galena Creek Ecological Restoration Project which is being proposed for funding by the Truckee River Fund. As a faculty member at the University of Nevada, Reno, and as Chair of the Institute's Board of Directors, I endorse such collaborative efforts and seek to further promote our involvement in science-based educational outreach and public land management.

The scope of the project well represents the best of outcomes when we contemplate informed environmental education and stewardship practices. The project brings together universities, agencies, and NGOs to accomplish the greatest good during a time when forest and riparian health seems to struggle the most. The board of GBI, most of whom are faculty from the University, seeks to further such efforts aimed at advancing applied science to support educational programming and teacher training. I believe this project accomplishes such goals admirably and I look forward to working with cohorts to ensure all project deliverables are met. The work as outlined in the proposal offers the sort of planning and execution of conservation initiatives that speaks well of all those involved and rightfully deserves support from the Fund.

Please feel free to contact me directly at 775-784-4108 or 775-846-4516 (C) should you have any questions or concerns. I look forward to your favorable consideration.

Sincerely,

Glenn C. Miller, Professor



WASHOE COUNTY

COMMUNITY SERVICES DEPARTMENT

Operations

3101 LONGLEY LANE
PO BOX 11130
RENO, NEVADA 89520-0027
PHONE (775) 328.2181
FAX (775) 328.2110

TO: Truckee River Fund Grant Review Committee

RE: Great Basin Institute Grant Request for Galena Creek

DATE: February 8, 2019

I am writing in support of Great Basin Institute's application for restoration and educational outreach at Galena Creek Regional Park. Since 2008, the Institute has successfully operated the Galena Creek Visitor Center. Each year, the organization has improved upon the delivery of services to the park and the public, achieving a reputation for professional competency among our county staff and cooperators. The staff at Galena are diligent, effective, and committed to programmatic excellence.

The proposed enhancements to Galena Creek and the associated environmental programs build upon GBI's successes at the visitor center and extends vital public outreach that is important to our shared mission. The project incorporates innovative learning strategies, increases student participation at the park, and supports ecological resiliency for the public lands we collaboratively manage.

I support this project without qualification and look forward to collaborating with GBI on delivering exceptional programming to our county students, educators, and visiting public.

Sincerely,

A handwritten signature in black ink, appearing to read "Colleen Wallace Barnum".

Colleen Wallace Barnum
Park Operations Superintendent



INTEGRITY



**EFFECTIVE
COMMUNICATION**



**QUALITY
PUBLIC SERVICE**

1755 E. PLUMB LANE, SUITE 212
RENO, NEVADA 89502
TEL: (775) 323-1373



POST OFFICE BOX 61
RENO, NEVADA 89504
FAX: (775) 323-4476

March 23, 2018

Mr. Jerry Keir
Executive Director
Great Basin Institute
16750 Mt. Rose Highway
Reno, NV 89511

Re: The Nell J. Redfield Foundation
January 11, 2018 Grant Application

Dear Mr. Keir:

We are pleased to enclose herewith The Nell J. Redfield Foundation draft in the total sum of \$78,000.00 which represents a grant approved by the Directors at their March 1, 2018 meeting.

This grant is to be applied to your school break camps, school residential program partial sponsorships and teen camp scholarships as detailed in your January 11, 2018 application.

As a part of their grant review procedures, the Directors will look forward to receiving a full report relating to the utilization of these grant funds.

The Directors are pleased to once again have the opportunity to share in your most worthy undertakings.

Sincerely yours,

Gerald C. Smith

GCS:dw
Enclosure (1 check)
XC: Distribution List