

Cover Sheet

Date: 7/31/2020

Organization Name:	Washoe County Regional Parks and Open Space																
Type:	Local Government - County	Governmental entity? Yes															
Address:	1001 E. 9 th St. Reno, NV 89512																
Project Name:	Truckee River Parks and Open Space Weed Management and Revegetation																
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	<table border="1"> <tr> <td>Date awarded:</td> <td>3/26/2019</td> </tr> <tr> <td>Project title:</td> <td>TRF #220: Washoe County Parks and Open Space Weed Treatment and Revegetation Project along the Truckee River</td> </tr> <tr> <td>Amount of Award:</td> <td>\$45,000</td> </tr> <tr> <td>Date awarded:</td> <td></td> </tr> <tr> <td>Project title:</td> <td></td> </tr> <tr> <td>Amount of Award:</td> <td></td> </tr> <tr> <td>Amount of Award:</td> <td></td> </tr> </table>			Date awarded:	3/26/2019	Project title:	TRF #220: Washoe County Parks and Open Space Weed Treatment and Revegetation Project along the Truckee River	Amount of Award:	\$45,000	Date awarded:		Project title:		Amount of Award:		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 of 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

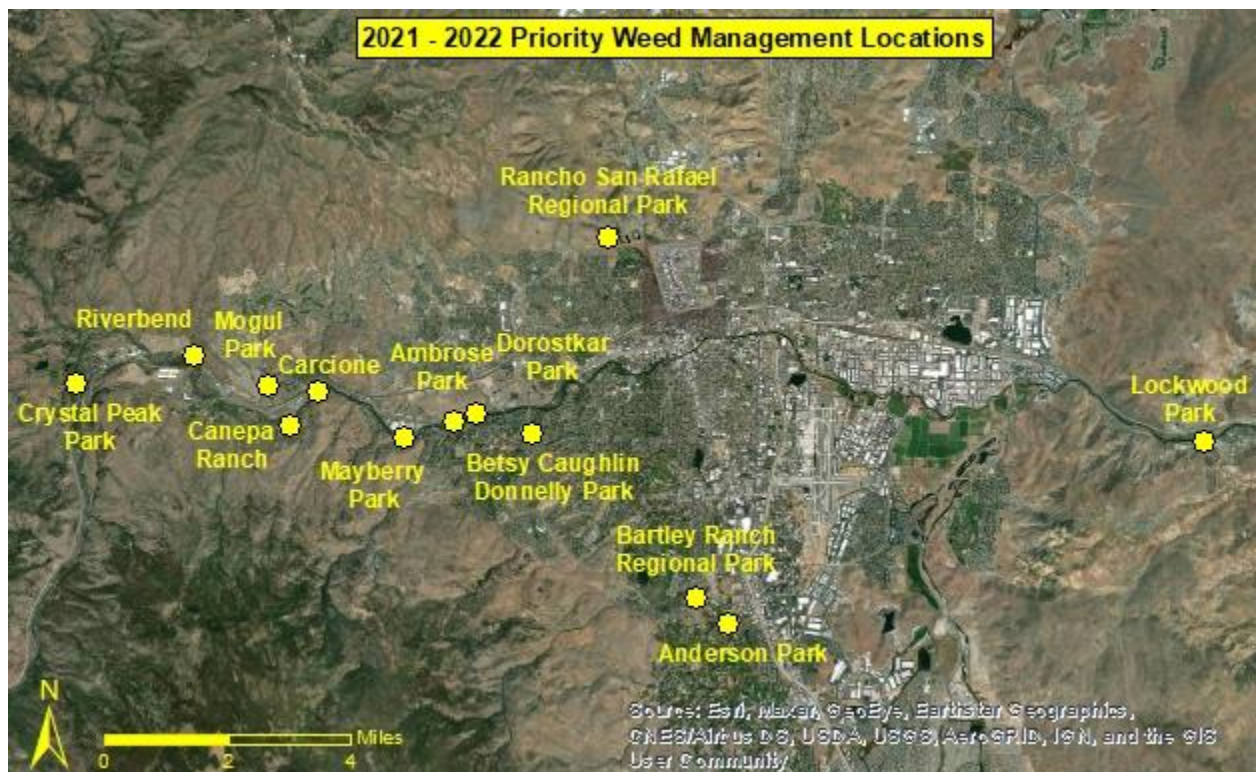
The project would be located in several Washoe County Park and Open Space areas along the Truckee River and its tributaries. Priority treatment areas identified for 2021-2022 include Crystal Peak Park (Verdi, NV), Riverbend Open Space (Verdi, NV), Mogul Park (Reno, NV), Canepa Ranch Open Space (Reno, NV), Carcione Open Space (Reno, V), Mayberry Park (Reno, NV), Ambrose 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 Park 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. An Integrated Vegetation Management (IVM) Plan was developed for Washoe County Parks in June 2020. Treatments would follow the guidance and recommendations in the IVM Plan to establish stable perennial plant communities which will help 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 along the Truckee River.

Priority treatment areas include Crystal Peak Park, Riverbend Open Space, Mogul Park, Canepa Ranch Open Space, Carcione Open Space, Mayberry Park, Dorostkar Park, Ambrose Park, Betsy Caughlin Donnelly Park, Bartley Ranch Regional Park, Anderson Park, Rancho San Rafael Regional Park, and Lockwood Park. A majority of these parks were inventoried and treated at least once in 2019-2020 and weed treatments would continue over the next few years based on 2019 inventory results. Riverbend Open Space, Mogul Park, Canepa Ranch Open Space, Carcione Open Space, and Ambrose Park would be inventoried for the first time in 2021. 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 include, but are not limited to, hoary cress (*Cardaria draba*), musk thistle (*Carduus nutas*), spotted knapweed (*Centaurea stoebe*), Russian knapweed (*Acroptilon repens*), 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 may include seeding and planting of native and adapted vegetation and be focused on areas with larger weed infestations and areas with previous disturbances. Rancho San Rafael Regional Park and Dorostkar Park are priority restoration areas for 2021-2022. 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 establish stable perennial plant communities within previously disturbed areas. The project meets multiple objectives as identified in Priority VII. Priority VIII is advanced through Washoe County's partnership with multiple stakeholders including the Nevada Land Trust, One Truckee River Partnership, 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 the One Truckee River Partnership. She is currently a certified government applicator for restricted use pesticides for both terrestrial and aquatic weeds.
- 9. Staff Positions Involved** At least 7 Washoe County staff positions will be involved part-time with the project including the Natural Resource Planner (Project Manager), Park Planner, 4 Park Rangers, and the Volunteer Coordinator.
- 10. Volunteers Involved** Volunteer events will be coordinated internally through the Washoe County Parks Volunteer Coordinator and with other partners such as Keep Truckee Meadows Beautiful and the Nevada Land Trust. Volunteer events will occur throughout each year and include weed removal and seeding/planting with an estimated volunteer contribution of 350 hours.
- 11. Time Line** Weed treatments would occur between April 2021 and June 2022. Re-vegetation including seeding and planting would be targeted for fall of 2021, but planting of container stock may also occur in the spring of 2021 and 2022 as needed. Remaining weed inventories would be completed in 2021. A final report would be submitted once the project is completed no later than July 31, 2022.

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

13. Collaboration Washoe County Parks works with many local businesses and groups to provide volunteer opportunities including weed removal and re-vegetation. Washoe County Parks also partners with Keep Truckee Meadows Beautiful and the Nevada Land Trust to host joint volunteer events. Washoe County Parks collaborates with the Nevada Department of Agriculture, Nevada Division of Forestry and others through the Washoe-Storey Cooperative Weed Management Area group to coordinate funding and weed management activities in the local area.

14. Grant Match

Match amount to be provided:	\$15,000					
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="456 961 1421 1184"> <tr> <td>Cash</td> <td>\$8,000</td> </tr> <tr> <td>In-kind</td> <td>\$7,000</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	\$8,000	In-kind	\$7,000
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In-kind	\$7,000					
Description of matching funds/in-kind donations:	<p><u>Cash Contributions:</u></p> <p>\$8,000 Washoe County paid staff labor includes parks staff time for project management and planning, weed inventory, GIS mapping and reporting, weed and re-vegetation treatments, and coordinating volunteer events.</p> <p><u>In-Kind:</u></p> <p>\$7,000 Volunteer labor (350 hrs. @ \$20/hr.) for volunteer seeding and planting events, and noxious weed removal.</p>					

15. Project budget

Budget Item Description	TRF \$	Other Funding Name	Match \$	Total
Parks Staff Labor – paid	\$0	Washoe County	\$8,000	\$8,000
Volunteer Labor (350 hrs. - \$20/hr.)	\$0	Washoe County	\$7,000	\$7,000
Material (seed, plants, terra-sorb, equipment)	\$5,000		\$0	\$5,000
Contract – Labor and materials	\$40,000		\$0	\$40,000
TOTAL	\$45,000		\$15,000	\$60,000