Grant Application

Tim Greseth

Email : tim@myowf.org
Application ID : A35GT87
Custom Ref. -

Application Start Date: 2022-08-24 00:36:20
Application Completed Date: 2022-08-24 01:31:28

1	Have you ever applied for an OWF grant before?
	yes
1.1	What was the name of the project?
	NA
2	Have you ever been denied for an OWF grant before?
	no
3	Project Title
	CRNG Eastside Wildlife Water & Habitat Restoration
4	Name of my Organization
	Oregon Wildlife Foundation
5	If your organization is not a tax-exempt nonprofit, please list the name of your fiscal sponsor - If this does not apply to you, write N/A
	NA
6	Project Manager Full Name
	Monty Gregg
7	Project Manager Mailing Address - Please enter full address with city, state & zip
	3160 NE 3rd St, Prineville, OR 97754

8	Project Manager Phone Number
	541-815-9291
9	Project Manager Email Address
	monty.gregg@usda.gov
10	Please provide a brief biographical statement about yourself
	Monty Gregg is a Wildlife Biologist on the Ochoco National Forest
11	Provide any social media handles you use - Enter social handles or URLs such as instagram, facebook, twitter, youtube, etc. so that we can use to cross promote on our channels - if you do not have any, please place N/A
	NA
12	Please indicate if you are currently following Oregon Wildlife Foundation on our social media channels
	- None of these channels
13	Total estimated project cost
	116000
14	Funding that you are requesting from OWF - If you're request is for more than $5,000, please contact Tim Greseth - tim@myowf.org before submitting your application.
	15000
15	What type of project are your proposing?
	Wildlife
16	Will your project address an Oregon Conservation Strategy habitat or species?
	yes
16.1	What habitat or species is addressed?
	Mixed Conifer Forest
17	Start date of project- Day/Month/Year
	14-09-2022

18	End date of project
	03-06-2024
19	Location of project
	Crooked River National Grasslands
20	Has a local, state or federal biologist reviewed this project?
	yes
20.1	What is their name and contact info?
	Andrew Passarelli, USFS, andrew.passarelli@usda.gov, 541-460-1162
21	Have you already or will you obtain necessary permits from all requisite agencies as applicable to proposed project?
	yes
22	What will the requested funds be used for?
	supplies to replace and repair guzzlers and exclosure fencing
23	Provide a brief Project Summary
	The project would consist of two main types of infrastructure repair/reconstruction: 1) guzzlers, and 2) riparian exclosures. 1) Guzzler Repair/Reconstruction There are seven guzzlers that need to be removed and completely rebuilt. In addition, there are two guzzlers that only need partial repair. A complete rebuild would include: a. removal of the existing burned-over infrastructure, b. installation of new guzzler and rainwater catchment apron, and c. reconstruction of associated livestock exclosure fencing around guzzler. The style of guzzler to be installed would be an 850-gallon single piece unit so there are fewer parts to repair/replace over time, lowering the long-term maintenance need and costs. 2) Riparian Exclosure Reconstruction There are three exclosures associated with riparian habitat surrounding a naturally occurring spring within the fire perimeter. Prior to the fire, decadent riparian hardwoods were present, and this area served as a unique habitat within the surrounding high desert habitats. These three livestock exclosures would be rebuilt or repaired utilizing wildlife friendly fencing designs. Exclosure fencing will utilize wildlife friendly designs.
24	Upload pre-project pictures or a video - By submitting these photos or video I warrant that I am the legal owner of this media and grant the Foundation permission to reproduce, exhibit, or publish them for all general purposes in relation to Oregon Wildlife Foundation's work. If you have questions about photo or video submissions please refer to myowf.org/grants for guidance.
	2 Documents Uploaded
25	Fill out the budget

Project Revenue	Cash	In-Kind	Committed / Pending
Oregon Wildlife Foundation Request	15000		Pending
Oregon Department of Fish and Wildlife	15000		Pending
Rocky Mountain Elk Foundation	23000		Committed
Youth Conservation Corps		6000	Committed
U.S. Forest Service, Ochoco National Forest		57000	Committed
Supplies			
Labor			
REVENUE	**53000.00**	**63000.00**	
		TOTAL PROJECT SUPPORT	**0.00**
Project Expenses	**Cash**	**In-Kind**	**Total**
Labor		63000	**63000.00**
Supplies	53000		**53000.00**
			0.00
			0.00
			0.00
			0.00
			0.00
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			0.00
			0.00
			0.00
		TOTAL PROJECT EXPENSES	**0.00**
Balanced budget? This cell should read "0" ---->		**NET**	**0.00**

26 Upload your Project Narrative -
Please make sure your narrative is no more than 7 pages long, single spaced, 12 pt. font (Calibri preferred).

1 Document Uploaded

27	Upload letters of support	
		1 Document Uploaded

28	I understand that I am required to submit a Project Completion Report, copies of any publications or social media posts crediting the Foundation's support, and post-project pictures at the completion of my project	
	yes	

USDA Forest Service
Crooked River National Grassland

Eastside Wildlife Water and Habitat Restoration Project

Project Background

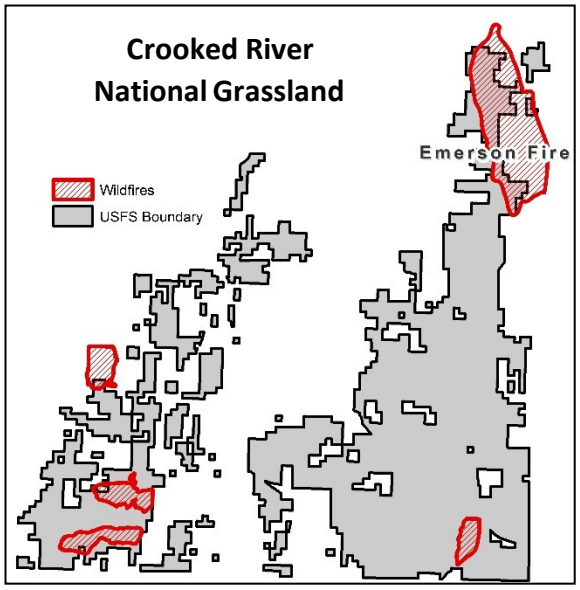
In the recent past (i.e., 1980's – 2010) a significant emphasis was placed on improving wildlife habitat through a multi-prong approach at the landscape scale on the Crooked River National Grassland. Numerous investments were made across the Grassland to improve and/or sustain habitat for a myriad of wildlife species with a special emphasis placed on anchoring populations of upland game birds and mule deer to public land. Activities included juniper thinning/removal, native seeding and planting, construction of livestock exclosures, and installation of water developments dedicated for wildlife use (e.g., guzzlers). These investments were strategically placed around the Grassland to provide small pockets of refugia for wildlife with the intention that these areas would improve the overall habitat suitability of the surrounding area and allow wildlife to be retained on the landscape.

Figures 1 and 2 above display a few of the parts that make up a guzzler; a rainwater catchment apron with storage tank underneath, as well as a drinking basin.

Figures 2 and 3 above display examples of riparian habitats that were protected with livestock exclosure fencing.

Need for Restoration and Improvements

Between 2017 and 2018, numerous large fires occurred on the Grassland, with the largest being the Emerson fire which burned approximately 10,500 acres including most of the northeastern portion of the Crooked River National Grassland. Within the fire perimeter were numerous wildlife habitat improvement investments including guzzlers and exclosures. These investments in most cases were a total loss due to the severity of the fire.



Guzzlers and their associated exclosures, as well as other riparian exclosures are critical infrastructure for wildlife on the Grassland. These areas provide year-round water and enhanced forage opportunities for wildlife while excluding impacts from many other uses, primarily livestock grazing. The northeastern portion of the Grassland is very narrow and thus maintaining these small refuges for wildlife is even more critical. Based on current management, without these key habitats wildlife in this area may not have the necessary components to be sustained on the land in the long-term and would certainly not be expected to thrive in these areas where these investments were lost.

There is a need to reconstruct the lost infrastructure to sustain and enhance wildlife habitat on the northeastern corner of the Crooked River National Grassland.

Figure 5 and 6 above show the benefits of these water sources for a variety of wildlife species on the Grassland.

Wildlife Use and Importance of Grassland Guzzlers

In late summer of 2019, remote sensor cameras were placed on guzzlers across the Crooked River National Grassland for a total of 450 trap nights and the table below displays the variety of species of wildlife which utilize these artificial water sources. In addition to the diversity of wildlife using these guzzlers, the volume of use that some of them received especially during the hot summer days was astounding, with hundreds of photo events a day at some guzzlers.

Species Captured

General Wildlife Species:	*Upland Game Birds:*	*Other Bird Species:*
Rabbit	California quail	Magpie
Mule deer	Chukar	Pigeon
Badger	Mourning Dove	Common Raven
Porcupine		White-Crowned Sparrow
Mouse		Townsend's Solitaire
Rat		Sage Thrasher
Rattlesnake		Finch
Coyote		Loggerhead Shrike
Bobcat		Northern Flicker
Squirrel		Spotted Towhee
Lizard		Sparrow (spp.)

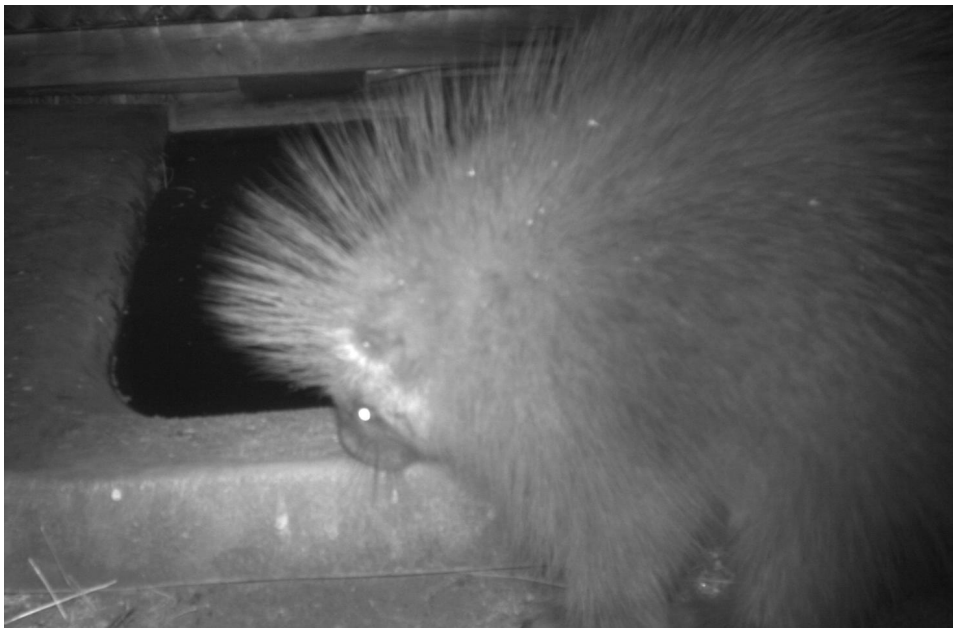
Figure 7 below shows a rabbit coming for a drink, with a rattlesnake lying in wait, with only his reflected eyeshine giving him away.

Figures 8 and 9 above show that it appears that some species struggle to share the water source, while others seem to have no issue coexisting.

Figure 9: Two coyotes stop by a guzzler during a warm August day for a drink. This pair of coyotes visited this guzzler nearly every day during the trapping period. Many guzzlers received visits from coyotes as well as other mesocarnivores like bobcats.

Figure 10: Many different species of resident and migratory birds utilized the guzzlers during the day from the early hours in the morning to after dusk.

Figure 11: Less frequently observed animals such as porcupines, badgers, and other unique wildlife were also found to be using these water sources.



Project Description

The project would consist of two main types of infrastructure repair/reconstruction: 1) guzzlers, and 2) riparian exclosures.

1) Guzzler Repair/Reconstruction There are seven guzzlers that need to be removed and completely rebuilt. In addition, there are two guzzlers that only need partial repair.
   A complete rebuild would include:
   a. removal of the existing burned-over infrastructure,
   b. installation of new guzzler and rainwater catchment apron,
   c. and reconstruction of associated livestock exclosure fencing around guzzler

   The style of guzzler to be installed would be an 850-gallon single piece unit so there are fewer parts to repair/replace over time, lowering the long-term maintenance need and costs. In addition, these guzzlers provide the water storage tank and drinker in one unit so there is no need for extended piping to be laid out underground either. The drinker has a built-in wildlife escape ramp to ensure no small wildlife drown or become trapped during times of low water. The style of guzzlers to be used are designed to provide water for both small and large wildlife species.

   Exclosure fencing would utilize wildlife friendly designs as outlined in Paige 2012 A Landowner's Guide to Wildlife Friendly Fencing. The style that will utilized will be a three-strand mixed wire fence, utilizing smooth wire on top and bottom, with a barbed wire in the middle. The fence will use metal stays to provide a more rigid structure. The top wire will not exceed 36" from the ground and the bottom wire will be equal to or higher than 18" allowing for adequate passage of wildlife both over and under the fence.

2) Riparian Exclosure Reconstruction There are three exclosures associated with riparian habitat surrounding a naturally occurring spring within the fire perimeter. Prior to the fire, decadent riparian hardwoods were present, and this area served as a unique habitat within the surrounding high desert habitats. These three livestock exclosures would be rebuilt or repaired utilizing wildlife friendly fencing designs.

   As indicated above, exclosure fencing will utilize wildlife friendly designs. Due to the pressure riparian exclosure fences receive from livestock, these fences will be constructed using a four-strand mixed wire fence, utilizing smooth wire on top and bottom with two barbed wires in the middle. As with the guzzler exclosures the top wire will not exceed 36" from the ground, and the bottom wire will be equal to or higher than 18" allowing for adequate passage of wildlife both over and under the fence.

Project Funding

Project Type	Supplies Cost	Labor Cost	Total Estimated Project Cost
1: Guzzler Repair/Replacement	$36,500	$42,500	$79,000
2: Riparian Exclosure Reconstruction	$16,500	$20,500	$37,000
	$53,000	*$63,000*	*$116,000*

Proposed Funding	Oregon Wildlife Foundation Funds	Matching Contributor Funds	Total Project Cost
1: Guzzler Repair/Replacement	$10,000*	$64,000	$74,000
2: Riparian Exclosure Reconstruction	$5,000	$37,000	$42,000
	$15,000	*$101,000*	*$116,000*

**OWF funds will be used strictly for the purchase of supplies to repair and reconstruct guzzlers and replace exclosure fencing. This project is scalable and therefore if partial funding is awarded a subset of the total number of guzzlers and fencing will be repaired in accordance with the prioritization schedule listed on page 7.*

Matching Contributor Funds	Contribution	Match Pending/Secured
US Forest Service	$57,000 (In-Kind)	Secured
Youth Conservation Corps	$6,000 (In-Kind)	Secured
Rocky Mountain Elk Foundation	$23,000	Secured
Oregon Dept. of Fish & Wildlife	$15,000	Pending

Implementation Timeline

Project Type	# of Units / Acres of Habitat Restored	Anticipated Field Work Start Date*	Anticipated Field Work Completion Date
1: Guzzler Repair/Replacement	9 guzzlers – 3,150 acres	09/15/2022	12/01/2024
2: Riparian Exclosure Reconstruction	3 fences – 40 acres	03/01/2023	06/01/2024

**Field work dates are subject to change and may be accelerated based on when partner funds are secured, and supplies are obtained. Work could begin as soon as the 2022 field season.*

Prioritization of Items

The possibility exists that this project will not receive full funding and therefore a prioritization of items is outlined below to demonstrate how partial funding would be allocated. The two elements of the project (i.e., Guzzler Repair/Replacement and Riparian Exclosure Reconstruction) may be funded by different entities and therefore initial priorities may shift depending on funding levels.

Prioritization Ranking	*Project Item*	*Level of Effect / Comments*
1	Guzzler # 53 and # 7	These guzzlers only need partial repairs to get them back to fully functional again, are well distributed, and lie within areas of good potential for successful revegetation
2	Guzzler # 10 and # 3	Replacement of these two guzzlers provides the greatest distribution of functioning guzzlers geographically within the project area
3	Riparian Exclosure #1 (12 acres)	Fence provides protection to primary riparian habitat down from Monner Spring. All fencing was destroyed in the wildfire and subsequently removed. This is a top priority for reconstruction.
4	Guzzler # 1	This is the most northern guzzler and lies on the edge of the Grassland boundary. Replacement would help to draw wildlife from private land back onto public land.
5	Guzzler # 2	Guzzler lies in slight valley bottom with deeper soils and greater potential for successful revegetation of diverse bunchgrass and shrub community
6	Riparian Exclosure #2 (21 acres)	Fence provides protection to primary riparian habitat down from Monner Spring. A portion of existing fence is still in place protecting the most sensitive habitat, but fence would be expanded to its original size to encompass the post-fire recovering riparian habitats.
7	Guzzler # 51	Guzzler lies near Riparian Exclosures that would be rebuilt. Those actions would complement the reconstruction of this guzzler and would help to solidify the area as a strong hold for wildlife.
8	Guzzler # 83	Exists on Grassland boundary. Replacement would help to draw wildlife from private land back onto public land.
9	Riparian Exclosure #3 (8 acres)	Fence needs minor repairs and is marginally functional in current state. Excludes riparian habitat and non-functional guzzler #82 that would be replaced in the future (funding dependent).
10	Guzzler # 6	Guzzler lies within a valley bottom with high potential for revegetation. However, it is also located in an area of higher human disturbance relative to the other guzzlers.

OREGON WILDLIFE FOUNDATION

August 23, 2022

To: Project Committee
From: Tim

Hi everyone –
Oregon Wildlife Foundation is partnering with ODFW on this project to restore water access and repair/replace livestock exclosure fencing destroyed by multiple fires on the Crooked River National Grasslands over the last 4 years.

OWF funding will strictly be used for the purchase of supplies and materials to replace or repair guzzlers and repair or replace exclosure fencing on the Grasslands.

While the request is for $15,000, our funding would be allocated to this project over the next two years with approximately ½ needed in 2022-23 and the balance in 2023-24.

All labor for this series of projects will be provided by USFS staff and Youth Conservation Corps summer crews.

This is a really nice collaboration between Federal, State and nonprofit partners to improve access to needed water resources for wildlife and restore exclosure fencing on the Crooked River National Grasslands.

Warmest regards,

Tim