

Grant Application

Derek Wiley



Email : derek.j.wiley@odfw.oregon.gov

Application ID : A24WD68

Custom Ref. -

Application Start Date: 2022-02-15 00:17:28

Application Completed Date: 2022-02-17 15:52:21

1 Have you ever applied for an OWF grant before?

no

2 Have you ever been denied for an OWF grant before?

no

3 Project Title

Warner Cr LWD, BDA, and Riparian Planting (SEP #1)

4 Name of my Organization

Oregon Department of Fish and Wildlife (ODFW)/Upper Nehalem Watershed Council (UNWC)

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

N/A

6 Project Manager Full Name

Derek Wiley/Maggie Peyton

7 Project Manager Mailing Address

-

Please enter full address with city, state & zip

Derek Wiley (Oregon Department of Fish and Wildlife, North Coast Watershed District Office, 4907 Third Street, Tillamook, OR 97141), Maggie Peyton (Upper Nehalem Watershed Council, 1201 Texas Ave. A, Vernonia, OR 97064)

8	Project Manager Phone Number
	Derek Wiley (503-731-8618), Maggie Peyton (503-396-2046)
9	Project Manager Email Address
	Derek Wiley (derek.j.wiley@odfw.oregon.gov), Maggie Peyton (maggie@nehalem.org)
10	Please provide a brief biographical statement about yourself
	Derek Wiley (ODFW Habitat Restoration Biologist, Tillamook), Maggie Peyton (Upper Nehalem Watershed Council Executive Director, Vernonia)
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
	ODFW (https://www.dfw.state.or.us/), Upper Nehalem Watershed Council (https://www.facebook.com/UpperNehalemWC/)
12	Please indicate if you are currently following Oregon Wildlife Foundation on our social media channels
	- Facebook - YouTube
13	Total estimated project cost
	122636
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.
	85806
15	What type of project are your proposing?
	Fish
16	Will your project address an Oregon Conservation Strategy habitat or species?
	yes
16.1	What habitat or species is addressed?

The restoration project will primarily benefit Coho Salmon, Steelhead, and Cutthroat Trout with additional benefits possible for Chinook Salmon and Lamprey. The project will construct 25 LWD structures to provide increased pool habitat for juvenile rearing and reconnection to floodplain habitats. Additionally, one beaver dam analog will be installed in upper Warner Creek to increase water storage and encourage increased beaver use of the creek. Pacific Willow will be planted in upper Warner Creek to increase streambank stability, shade, and cover and provide forage preferential to beaver to help sustain the local population.

17	Start date of project- Day/Month/Year
	01-03-2022
18	End date of project
	01-01-2023
19	Location of project
	Warner Creek is a small tributary approximately 0.5 miles downstream of the Fishhawk Lake Reserve and Community (FLRC) near Mist, Oregon (46.028036, -123.376651).
20	Has a local, state or federal biologist reviewed this project?
	yes
20.1	What is their name and contact info?
	1. Derek Wiley - (ODFW Habitat Restoration Biologist, North Coast Watershed District Office, 4907 Third Street, Tillamook, OR 97141, (503-731-8618)), 2. Jeff Bachman (DEQ, Office of Compliance and Enforcement, 700 NE Multnomah Street, Suite 600 Portland, OR 97232, (503-229-5950)), 3. Sarah Dyrdahl (ODF Aquatic and Riparian Specialist, State Forests Division 2600 State Street, Bldg D; Salem, OR 97310, (503-277-3223))
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?
	The \$85,806 OWF request will be used to fund project costs including UNWC project management, permitting, outreach, mileage and fiscal administration, contracted services for LWD/BDA and willow stake installation, project effectiveness monitoring including photo points and site survey, and post project write-up.

This project is located within the same watershed for which the funding was generated and is listed in the Nehalem Strategic Action Plan (SAP). Implementation will occur entirely within Oregon Department of Forestry (ODF Astoria District) lands during summer 2022. Large Woody Debris (LWD), Pacific willow plantings, and a beaver dam analog will be installed to enhance instream habitat complexity along 1.4 miles of Warner Creek (an essential habitat tributary for listed coho salmon, steelhead, cutthroat trout, lamprey, and other aquatic species). The project will construct 25 LWD structures comprised of whole conifer trees processed into logs with rootwads and limbs attached meeting project specifications for length, size, and diameter and assembled into stable habitat configurations that will interact with all stages of stream flow. Twelve LWD structures located in the lower section of Warner Creek will consist of multi-piece deflector logs (containing at least 1 rootwad). These structures will create pool habitat for upstream migrating juvenile salmonids seeking coldwater refugia during summer low flow conditions without impeding upstream access. An additional 13 full-spanning LWD structures installed upstream in Warner Creek will consist of 4-6 logs (containing at least 1 rootwad and tree top). Full spanning structures will help Warner Creek to reconnect with its associated floodplain and off-channel habitats and provide increased rearing habitat for juvenile salmonids and other fishes. Structures will be installed at strategic locations determined to be most beneficial for watershed function and fish use and where access is possible for installation. Pacific willow (up to 300 stakes) will be planted in the upper portion of Warner Creek to increase streambank stability, shade, and cover and provide forage preferential to beaver to help sustain the local population thriving in the watershed. Additionally, one beaver dam analog (BDA) will be installed in the upper portion of the treated reach to increase water storage and floodplain connectivity and to further encourage beaver use of the creek. Expected outcomes of the project include improved stream habitat/water quality/quantity conditions over time that benefit aquatic organisms by installing large wood, riparian plantings, and one BDA. These restoration efforts will promote: 1) creation of complex instream habitat, pool formation, and enhanced capture/sorting of stream bed materials/sediments, 2) creation of nutrient sources for aquatic organisms/insects, 3) locally improved ground water hyporheic conditions and storage, 4) increased channel connectivity with floodplain/off channel habitats, and 5) improved hiding/foraging cover for salmonids. Increased native plant forage for beaver to help better sustain the local population in this watershed is also expected.

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.



Project Revenue	Cash	In-Kind	Committed / Pending
Oregon Wildlife Foundation Request	85806		Committed
Oregon Department of Forestry		34080	Committed
Oregon Department of Fish and Wildlife		2750	Committed
REVENUE	85806.00	36830.00	
		TOTAL PROJECT SUPPORT	122636.00
Project Expenses	Cash	In-Kind	Total
Upper Nehalem Watershed Council - Project management, permit development, and outreach	8200		8200.00
Upper Nehalem Watershed Council - mileage	246		246.00
Upper Nehalem Watershed Council - Fiscal Administration	7800		7800.00
Contracted Services - Implementation Management, project layout, and final design	13300		13300.00
Contracted Services - Falling contractor, equipment mobilization, self loader log hauling, excavator LWD placement, excavator yarding/bucking/rigging RMA trees,	44650		44650.00
Contracted Services - BDA material harvest, pole yarding, and construction	6000		6000.00
Contracted Services - Road Construction & Obliteration	4200		4200.00
Contracted Services - Willow harvest/transport & planting	1410		1410.00
ODFW - Technical Assistance & post-monitoring reporting		2750	2750.00
ODF - wood donation, harvest & decking		34080	34080.00
			0.00
			0.00
			0.00
			0.00
		TOTAL PROJECT EXPENSES	122636.00
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

Powered by **Submit.com**

— Grant Application

Derek Wiley

Application ID: **A24WD68**



Supplemental Environmental Project Application

Oregon Department of Environmental Quality
Office of Compliance and Enforcement
700 NE Multnomah St., Suite 600
Portland OR 97232

Case Name: In the Matter of Fishhawk Lake Reserve and Community, Inc., Notice of Civil
Penalty Assessment and Order Case No. WQ/NP-NWR-2019-244.

Project Contact: Chris Knutsen, Robert Bradley, and Derek Wiley (all ODFW NCWD)

Type of Project (choose one):

- Pollution Prevention** – preventing waste or pollution at the source, by conserving energy or natural resources, or by making process changes (such as chemical substitutions) or by making a process more efficient so that less waste is created for a given amount of product.
- Pollution Reduction** – reducing the amount and/or danger presented by some form of pollution, often by providing better treatment and disposal of the pollutant.
- Public Health Protection**- an example is the medical examination of residents in a community to determine if anyone has experienced any health problems because of the violations at issue.
- Environmental Restoration and Protection** –improving the condition of the land, air or water in the area damaged by the violation. For example, restoring a wetland or planting trees along a riparian zone to reduce erosion and provide shade for improved water quality.
- Emergency Planning and Preparedness** – providing assistance to a responsible state or local emergency response or planning entity. Such assistance may include the purchase of computers and/or software, communication systems, chemical emission detection and inactivation equipment, HAZMAT equipment or training.
- Assessments and Audits** to determine if the Respondent is causing any other pollution problems or can run its operation better to avoid future violations.

Environmental Compliance Promotion- providing training or technical support to other members of the regulated community to achieve, or go beyond, compliance with applicable environmental requirements.

Other Projects that have environmental merit but do not fit within the categories listed above.

Who is conducting the project? (i.e., Respondent or third party entity such as a watershed council or other nonprofit organization)

Payment for this project will be made to the Oregon Wildlife Foundation (OWF). OWF will conduct the project in cooperation with ODFW NCWD, Upper Nehalem Watershed Council (UNWC), and Astoria ODF. The contact for OWF is Tim Greseth, Executive Director, Oregon Wildlife Foundation, 901 SE Oak Street, #103, Portland, OR 97214, Phone: 503.255.6059
Email: tim@myowf.org

Location where project will take place: Mid Nehalem River Basin - Warner Creek (Fishhawk Tributary below Dam)

Project description (Please attach an extra sheet of paper, if necessary):

This project is located within the same watershed for which the funding was generated and is listed in the Nehalem Strategic Action Plan (SAP). Implementation will occur entirely within Oregon Department of Forestry (ODF Astoria District) lands during summer 2022. Large Woody Debris (LWD), Pacific willow plantings, and a beaver dam analog will be installed to enhance instream habitat complexity along 1.4 miles of Warner Creek (an essential habitat tributary for listed coho salmon, steelhead, cutthroat trout, lamprey, and other aquatic species). The project will construct 25 LWD structures comprised of whole conifer trees processed into logs with rootwads and limbs attached meeting project specifications for length, size, and diameter and assembled into stable habitat configurations that will interact with all stages of stream flow. Twelve LWD structures located in the lower section of Warner Creek will consist of multi-piece deflector logs (containing at least 1 rootwad). These structures will create pool habitat for upstream migrating juvenile salmonids seeking coldwater refugia during summer low flow conditions without impeding upstream access. An additional 13 full-spanning LWD structures installed upstream in Warner Creek will consist of 4-6 logs (containing at least 1 rootwad and tree top). Full spanning structures will help Warner Creek to reconnect with its associated floodplain and off-channel habitats and provide increased rearing habitat for juvenile salmonids and other fishes. Structures will be installed at strategic locations determined to be most beneficial for watershed function and fish use and where access is possible for installation. Pacific willow (up to 300 stakes) will be planted in the upper portion of Warner Creek to increase streambank stability, shade, and cover and provide forage preferential to beaver to help sustain the local population thriving in the watershed. Additionally, one beaver dam analog (BDA) will be installed in the upper portion of the treated reach to increase water storage and floodplain connectivity and to further encourage beaver use of the creek.

What environmental benefits are expected?

Improved stream habitat/water quality/quantity conditions over time that benefit aquatic organisms by installing large wood, riparian plantings, and one BDA to promote: 1) creation of complex instream habitat, pool formation, and enhanced capture/sorting of stream bed materials/sediments, 2) creation of nutrient sources for aquatic organisms/insects, 3) locally improved ground water hyporheic conditions and storage, 4) increased channel connectivity with floodplain/off channel habitats, and 5) improved hiding/foraging cover for salmonids. Increased native plant forage for beaver to help better sustain the local population in this watershed is also expected.

How will you measure/assess the benefits?

Warner Creek is subject to ODFW AQI habitat and OASIS adult salmonid spawning surveys periodically on a statewide rotational basis. Both surveys (when conducted) will highlight the current status of the expected benefits and are comparable to previous years/surveys data collected by these projects. Pacific willow plantings will be monitored through field visits, assessed for survival rate, maintained until they are determined to be at the "free to grow" state (approximately 3-5 years after planting), and then left to complete the life cycle (provided supplemental funding is obtained by UNWC).

What is the total projected cost of the project? Explain. (Qualifying costs are all reasonable costs of executing the SEP and may include costs of preparing the SEP proposal, costs of materials and services, wages paid to employees (appropriate to the work), and wages and proportional overhead for employees of a third party executing the project. Qualifying costs do not include entertainment or refreshment costs related to the SEP.

Total project cost is estimated at \$122,636 (\$85,806 OWF request and \$36,830 of in-kind donations from ODF for 90 conifer tree logs, harvest, and decking valued at \$34,080 and ODFW for field technical support and project effectiveness monitoring valued at \$2,750). Prices are based on comparable projects recently implemented within the same physio-geographical area by the same partners/programs. Project costs include UNWC project management, permitting, outreach, mileage and fiscal administration, contracted services for LWD/BDA and willow stake installation, project effectiveness monitoring including photo points and site survey, and post project write-up.

What is the timeframe for the project (most projects are completed within one year)?
Include milestones and final completion date.

This project will be implemented in 2021/22 with project development, material sourcing/acquisition, permitting, layout, and contracting occurring during the winter/spring 2021/22 and project implementation during the summer instream work window of July-August 2022, followed up with Pacific willow plantings during the fall/winter 2022.

Date : _____ Signature _____