

SMALL GRANT PROGRAM APPLICATION 2015-2017

Application Processing Information (to be completed by the Small Grant Team Contact)
Application #:
Date Received:
Date Acted On:
Recommended Denied
SGT Contact Signature:

I. GENERAL INFORMATION

OWEB Funds Requested \$3,873 Round to nearest dollar Total Project Cost \$ 5,164

Round to nearest dollar

Name of Project (five words or fewer) Bradley Irrigaton Effeciency Project

 Project Location (if more than one, include location/landowner information on each map)

 This project occurs at (check one):
 Image: A single site

 Image: Multiple sites

A single site Umatilla

County or counties

Township, Range, Section(s)

(e.g., T1N, R5E, S12)

45.657840, -118.8252 Longitude, Latitude (e.g., -123.789, 45.613) (Required for federal/state reporting) McKay Creek River or Creek Name (if applicable)

17070103

 $Subbasin(s) - Please \ note \ the \ 10-digit \ hydrological \ unit \ code, previously \ 5^{th} \ Field \ HUC$

River Mile (if applicable)

1. Have you previously submitted an application to OWEB, either through the regular or small grant program, for this project, or one similar to it on the same property? If yes, explain _____ No

2. Does this application propose a grant for a property in which OWEB previously invested funds for purchase of fee title or a conservation easement; or is OWEB currently considering an acquisition grant for this property?

☐ Yes Grant #____ No

If yes, explain

Umatilla

Watershed(s)

II. CONTACT INFORMATION

Applicant Org.:Umatilla County Soil and Water Conservation District	Tax ID:93-0708539	Contact:Kyle Waggoner, District Manager
Mailing Address: 1 SW Nye Ave. Suite 130 Pendleton, OR		Zip: 97801
Phone: 541-278-8049 ext. 138	Email:umcoswcd@eotne	t.net

Landowner(s):Ryan Bradley		
Landowner Address: Southwest 37th Street,	Pendleton, Oregon	Zip:97801
Phone: 541-379-0190	Email:bradleys62comet@msn.com	n

Project Manager for the Grantee: Umatilla County Soil and Water Conservation District				
Project Manager Address: 1 SW Nye Ave. Suite 130 Pendleton, ORZip:97801				
Phone: 541-278-8049 ext. 138 Email:umcoswcd@eotnet.net				

Payee Org.: Umatilla County Soil and Water Conservation District	Tax ID:93-0708539	Contact:Kyle Waggoner, District Manager
Payee Address: 1 SW Nye Ave. Suite 130	Zip: 97801	
Phone: 541-278-8049 ext. 138	Email:umcoswcd@eotne	t.net

Technical Contact: Kyle Waggoner			
Phone: 541-278-8049 ext. 138		Email:umcoswcd@eotnet.net	
III. PROJECT INFORMATIO	N		
Priority Watershed Concern: the	e project	will address—Check <u>One</u> Only:	
Instream Process & Function	🗌 Ri	parian Process & Function	Urban Impact Reduction
Wetland Process & Function	🗌 Ro	ad Impact Reduction	Upland Process & Function
Fish Passage	🖂 W	ater Quantity & Quality/ Irrigation Eff	iciency
Small Grant Team Priority Proje High-Water Quantity/ Irrigation			oplication instructions):
1-a. Is the project consistent with			plan?
$\square No N/A - The watershed does to be a constrained does to be a cons$	not yet ha	ve an assessment or action plan	
1-b. Is the project consistent with Xes INO	h the loca	l Agricultural Water Quality Ma	nagement Area Plan?
1-c. Is the project consistent with plans, etc.)?	No	eloped plan for the property (e.g	, local conservation or stewardship
2. Describe the current watership Mr. Bradley irrigates around an diversion across the creek (the in	acre of p	asture with handline from a buri	ed riser that resurfaces at his

diversion across the creek (the irrigation line is built into the bridge railing). His diversion comes out of McKay creek, a main tributary to the Umatilla River. Both the Umatilla and McKay are prime salmonid habitat, with steelhead being the most common species. Because Mr. Bradley uses handline, his irrigation is not very effecient. Lowering water usage on McKay would benefit both Umatilla and McKay water systems.

3. Describe the <u>SOLUTION(s)</u> you are proposing to address the current problem(s). Attach a site map, color photo(s), and (if applicable) preliminary project drawings or designs

Mr. Bradley would save water and more effectively irrigate his field if the section of pipe that is currently in a handline is replaced with a buried line with risers installed (6) along his acre stretch. This would lower his water usage from McKay Creek, as Mr. Bradley would use his (2) Rainbird 880 sprinkers and move them up and down the line, connecting to each riser with a key and valve system. This solution calls for 340 ft of pipe, (4) key valves, and (6) risers spaced equally apart.

4. Technical Guidance Source (check at least one and identify the Practice Code, or page and paragraph).

NRCS Field Office Technical Guide Practice Code 430	Guide to Placing Large Wood in Streams Page # / Para
Oregon Road/Stream Crossing Restoration Guide Page # / Para	Forest Practices Tech Note #4 Page # / Para
Nonpoint Source Pollution Control Guidebook Page # / Para	Forest Practices Tech Note #5 Page # / Para
Urban Subwatershed Restoration Manual Page # / Para	Tribal Natural Resource Plans and Water Plans (attach the relevant page or pages)

5. Maintenance and Post-Implementation Monitoring

a) Project maintenance is the responsibility of the landowner. What aspects of the project will be <u>maintained</u>? (See application instructions.)

Who will maintain?	What will be maintained?	How will it be maintained?	# of years # of times/year
Landowner	Pipe, valves, keys	Check for damage and replace	As needed

b) Post-implementation monitoring including photo points and visual inspection is <u>required</u> for small grants (Year-Two Status Report). What (if any) additional aspects of the project will be monitored post-implementation? (See application instructions)

Who will monitor?	What will be monitored?	Cite monitoring protocols	# of years # of times/year

6. Who will be responsible for writing the Year-Two Status Report?

Name: Kyle Waggoner		Org.: Umatilla SWCD	
Mailing Address: 1 SW Nye Ave. Suite 130 Pendleton, Oregon		dleton, Oregon	Zip: 97801
Phone: 541-278-8049 ext. 138 Email: umcoswcd@eotnet.ne			

7. Have the required permits been obtained for the project?

Yes No Not Required

If yes, what permits have been issued? (Attach copies)

If no, what permits must be obtained and by when?

8. Is this project required as a condition of a local, state, or federal permit, order, or enforcement action (e.g., a manure storage and management project required by ODA permit)?

🗌 Yes 🖾 No

9. Project Partners. Show all anticipated funding sources, and indicate the dollar value for cash or in-kind contributions. Be sure to provide a dollar value for each funding source. If the funding source is providing in-kind contributions, briefly describe the nature of the contribution in the Funding Source Column. In the Amount/Value Column, provide a total dollar amount or value for each funding source.

Funding Source	Cash	In-Kind	Amount/
Name the partner and contribution			Value
OWEB:	3,873		3,873
Landowner:	1,291		1,269
Umatilla SWCD		22	22
Total Estimated Funds (add all amounts in the far right column)			\$5,164

The total should equal the total cost of the project on page 1

10. Project Budget (Word)—Itemize projected costs for each of the following "Expense Categories" that apply to your project. A minimum of 25% match—cost share—in-kind/cash is required. See application instructions and additional team conditions for further guidance.

<u>PLEASE NOTE:</u> Budgets may be submitted in either Word or Excel (form on website) formats. <u>http://www.oregon.gov/OWEB/GRANTS/smgrant_forms.shtml</u>

Fill in the amounts, rounded to the nearest dollar, please <u>do not</u> include cents.

Expense Category	No. of Units	Unit Cost	OWEB Funds	Cost Share In-Kind/ Cash(Match)	Description <u>what will be purchased or done</u> and who will provide the item/perform the work
SALARIES, WAGES AND titles; include only costs of en				icant employees f	for whom payroll taxes are paid. List position
		\$0	\$0	\$0	
		\$0	\$0	\$0	
	SUI	BTOTAL (1)	\$0	\$0	
CONTRACTED SERVICE	S . Labor, su	pplies, materia	Is and travel to	be provided by no	on-staff for project implementation.
		\$0	\$0	\$0	
		\$0	\$0	\$0	
		\$0	\$0	\$0	
	SUI	BTOTAL (2)	\$0	\$0	
MATERIALS AND SUPPL project. Costs to OWEB must					e applicant, and are "used up" in the course of the
		\$0	\$0	\$0	
		\$0	\$0	\$0	
		\$0	\$0	\$0	
		\$0	\$0	\$0	
		\$0	\$0	\$0	
SUBTOTAL (3)		\$0	\$0		
TRAVEL. Mileage. For curre	ent rates go	to: <u>http://www</u>	.oregon.gov/OW	/EB/Pages/forms	linked.aspx#
		\$0	\$0	\$0	
		\$0	\$0	\$0	
	SUI	BTOTAL (4)	\$0	\$0	
OTHER. Land use signature	costs, proje	ct permit costs	, small equipmer	nt repair, commen	rcial equipment rental.
		\$0	\$0	\$0	
		\$0	\$0	\$0	
	SUI	BTOTAL (5)	\$0	\$0	
MODIFIED TOTAL DIRECT COST (MTDC) (Add Subtotals 1-5)		\$0 \$0	\$0		
	ceed 10% of	Modified Tot			te by multiplying MTDC by 0.10 or less. See the s/forms linked.aspx# for eligible costs.
Grant Administration	10	% of MTDC	\$0	\$0	
POST-GRANT					
Year-Two Status Report			\$0	\$0	(Not to exceed \$200)
Post-Project Plant Establishm	ent		\$0	\$0	(Not to exceed \$1,000)
PROJECT TOTALS			\$0	\$0	(Not to exceed \$10,000 in OWEB funds)

We, the undersigned, attest that to the best of our knowledge the information contained in this application is true, that the proposed project is not required by a state or federal agency directive, and that the project will be completed within 24 months from the date of the team funding recommendation of the application. We understand that the submitted application is a matter of public record.

Also, should funding for this project be awarded we understand:

- 1) We may not incur any project expenses until all designated signatories have signed an OWEB grant agreement,
- 2) we will be required to provide proper accounting of project expenses, and
- 3) we will be required to provide necessary and normal maintenance to sustain the value of the project once it is completed.

By their signatures, the **landowner**(s) attest that they have no plans to sell their property as of the date of this application, are authorized to sign as landowner, and they agree to provide, upon prior request and at a mutually acceptable time, site access to the applicant or representatives of OWEB for a period up to two years following project completion to allow project work to be implemented, monitored, and maintained.

		ATTACHMENT CHECKLIST
		Project location map (Required)
Applicant	Date	Color photographs of site (Required)
		Site drawings/diagrams (if applicable)
		Juniper Checklist (if applicable)
Landowner	Date	Cooperative agreement, if 2 or more landowners (Optional)
		May be submitted in lieu of ALL Landowner
		signatures on Application
Fiscal Agent	Date	signatures on Application
		ALL Landowners must sign the Grant Agreement
		Racial and Ethnic Impact Statement (Required)
		\boxtimes Restoration Metrics form (Required)
		Other materials (as required by team)
		Outer materials (as required by team)
		OPTIONAL FORMS AT APPLICATION STAGE
		(Required at the time of payment request, see
		instructions)
		Irrigation Efficiency
		Culvert/Stream Crossing
		Secured Match
		\square Land Use



Racial and Ethnic Impact Statement

This form is used for information purposes only and must be included with the grant application.

Chapter 600 of the 2013 Oregon Laws require applicants to include with each grant application a racial and ethnic impact statement. The statement provides information as to the disproportionate or unique impact the proposed policies or programs may have on minority persons¹ in the State of Oregon if the grant is awarded to a corporation or other legal entity other than natural persons.

1. The proposed grant project policies or programs could have a disproportionate or unique positive impact on the following minority persons:

Indicate all that apply:

- Women
 Persons with Disabilities
 African-Americans
 Hispanics
 Asians or Pacific Islanders
 American Indians
 Alaskan Natives
- 2. The proposed grant project policies or programs could have a disproportionate or unique negative impact on the following minority persons:

Indicate all that apply:

Women
 Persons with Disabilities
 African-Americans
 Hispanics
 Asians or Pacific Islanders
 American Indians
 Alaskan Natives

3. The proposed grant project policies or programs <u>will have no</u> disproportionate or unique impact on minority persons.

If you checked numbers 1 or 2 above, on a separate sheet of paper, provide the rationale for the existence of policies or programs having a disproportionate or unique impact on minority persons in this state. Further provide evidence of consultation with representative(s) of the affected minority persons.

I HEREBY CERTIFY on this day of , 20 , the information contained on this form and any attachment is complete and accurate to the best of my knowledge.

Signature:

Printed Name:Kyle Waggoner

Title:Manager, Soil and Water Conservation District

¹ "Minority persons" are defined in SB 463 (2013 Regular Session) as women, persons with disabilities (as defined in ORS 174.107), African-Americans, Hispanics, Asians or Pacific Islanders, American Indians and Alaskan Natives.



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RESTORATION METRICS FORM

OWEB receives a portion of its funds from the federal government and is required to report how its grantees have used both federal and state funds. The information you provide in the following form will be used for federal and state reporting purposes.

Please complete all portions of the form below as they apply to your project and submit all pages (do not exclude any pages). Please provide specific values, do not enter values like "2-3" or "<100". Enter your best approximation of what the project will accomplish.

If you have any questions, please contact Cecilia Noyes, OWEB Federal Reporting Coordinator, at 503-986-0204 (<u>cecilia.noyes@state.or.us</u>) or Ginger Lofftus, OWEB PCSRF Reporting Assistant, at 503-986-5372 (<u>ginger.lofftus@state.or.us</u>)

Section 1 - Project Overview

Answer all five questions below, even if you have answered a similar question in a previous section in the grant application.

1. Land Use Setting: CHECK ONE BOX ONLY.

] Urban/Suburban/Exurban (Projects located within urban	Rural (Projects located outside urban growth
growth boundaries or rural residential areas)	boundaries or rural residential areas.)

2. Dominant Watershed Setting: CHECK ONE BOX ONLY. <u>Example:</u> Your project involves managing erosion in the upland area with some erosion control extended to the riparian area. Because most of the work is to occur in the upland area, you would check <u>only</u> the Upland box below.

Estuary (where freshwater meets and mixes with saltwater of ocean tides.)	Riparian (adjacent to a water body, within the active floodplain.)	
Instream (below the ordinary high-water mark or within the active channel — includes fish passage.)	 Upland (above the floodplain.) Groundwater (Projects that recharge groundwater or primarily affect the subsurface water table.) 	
Wetland (areas inundated or saturated by surface or groundwater at a frequency and duration sufficient to support a prevalence of vegetation typically adapted for life in saturated soil conditions.		

3. Total Acres Treated:.9Total Stream Miles Treated:.02

(do not include upstream stream miles made accessible to fish with passage improvements)

- 4. Project Monitoring: All OWEB funded restoration projects require post-implementation status reporting including photo point monitoring. Please indicate below: 1) the location of the monitoring activities relative to the project, including photo point locations, 2) whether effectiveness monitoring is planned, and 3) whether additional monitoring will be conducted for this project.
 - **4.1**) Identify the location for the planned monitoring activities relative to the restoration project location. Check as many boxes as apply.

Onsite Downstream	Upstream	Upslope
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4.2) Effectiveness monitoring will be conducted for this project. Please note that effectiveness monitoring cannot be funded with OWEB Small Grant Funds. To review effectiveness monitoring and post-implementation status reporting definitions click on the link to the OWEB Web site below.

http://www.oregon.gov/OWEB/MONITOR/effective monitoring.shtml

4.3) Will this project conduct monitoring activities **beyond the required post-implementation status reporting and photo point monitoring**?

 \Box Yes \boxtimes No If you answer yes, select the monitoring activities below, if you answer no proceed to Section 2.

Check an proposed monitoring activities	
Adult Fish presence/absence/abundance/distribution survey(s)	Spawning surveys
Juvenile Fish presence/absence/abundance/distribution survey(s)	Upland vegetation (Presence/Absence)
Instream Habitat surveys	☐ Water quality
Macroinvertebrates	☐ Water quantity
Noxious weed (Presence/Absence)	Photo Points
Riparian vegetation (Presence/Absence)	Other (explain):

Check all proposed monitoring activities

Section 2 - Project Activities

Provide values for each Project Activity applicable to your application. Leave blank any Project Activity or metric line that is not appropriate to your application. All data entered in this form should be what you plan to do with the project. Data about completed projects will be reported at the end of the project to the Oregon Watershed Restoration Inventory (OWRI). For each activity type where you enter metrics, estimate the percentage of the total cost of the project (OWEB and <u>all</u> other funding sources, shown in III. 9.. of this application) that applies to the activity. The sum of all of the activity cost percentages should equal 100%. Please distribute all administrative, project management and other general project costs among the various project activities when estimating percentages.

Example: A project will remove a fish passage barrier, place large boulders instream, and plant a riparian buffer. You would enter the appropriate metrics into the Fish Passage, Instream Habitat, and Riparian Habitat activity sections of this form. Then, estimate the percentage of the total cost of the project for each activity. For instance: 20% towards Fish Passage activities, 25% towards Instream Habitat activities, and 55% towards Riparian Habitat activities.

Fish Screening Projects: Projects that result in the installation or improvement of screening systems that prevent fish from passing into areas that do not support fish survival, for example, into irrigation diversion channels.

Note: OWEB funds cannot be used for fish screening projects

_____% Estimate the percentage of total cost of the project applied to fish screening activities

New Fish Screens Installed

- # Estimate the number of <u>new</u> screens installed (do not count diversions where existing screens are replaced)
- ______cfs Estimate the cubic feet per second of flow influenced by <u>new</u> screen(s) installed (to nearest 0.01 cfs)

Existing Screens Replaced, repaired or modified

- # Estimate the number of <u>existing</u> screens replaced, repaired or modified
- _____cfs Estimate the cubic feet per second of flow influenced by <u>existing</u> screen(s) screens (to nearest 0.01 cfs)

Fish Passage Improvement: Projects that improve fish migration by addressing a migration barrier problem.

Complete sections A-E as they apply to the proposed project. For projects that improve fish passage at road crossings complete both sections A (define the problem) and B (define the treatment). Non-road crossing improvements are reported in sections C and D. Section E should be completed for all fish passage improvement projects. Refer to the application instructions for additional information and examples.

A. Road Crossings – Define Existing Fish Passage Problem

1. Culverts hindering fish passage	# crossings
2. Bridges hindering fish passage	# crossings
3. Fords hindering fish passage	# crossings

B. Road Crossings - Define the Fish Passage Improvements to be implemented by this project

1. Culverts installed/improved - Improvements include installing baffles inside culverts or installing/improving engineered bypasses (e.g. weirs) directly below a culvert outlet to improve passage.	# crossings	str. mi with improved access*
2. Bridges installed/improved - Improvements include installing/improving engineered bypasses (e.g. weirs) directly below a bridge crossing to improve passage.	# crossings	str. mi with improved access*
3. Fords installed/improved	# crossings	str. mi with improved access*
4. Road Crossings removed and not replaced	# crossings	str. mi with improved access*

*Estimate stream miles in the main channel and tributaries made more accessible above the crossing(s) (to nearest 0.01 mile). If a barrier exists upstream, report the length made accessible up to that next upstream barrier.

C. Fish Passage Barriers - Other than Road Crossings

1. Type(s) of barriers to be treated/removed to improve fish passage.	 Diversion Dam Push-up Dam Wood or Concrete Dam Weir (not associated with a road crossing) Logs Debris Boulder/Rock Barrier (not weirs)
	Other (explain)
2# Estimate the total number of non-road crossing barriers (listed above) to be removed or altered to improve passage.	

D. Fish Ladders or Engineered Bypasses (not associated with Road Crossings)

1. Fish ladders will be installed/improved	# fish ladders to be installed/improved
2. Engineered bypasses will be installed/ improved. <i>This includes</i> weirs, rock boulder step pools, and chutes constructed/roughened in bed rock. Do not count engineered bypasses located at a road crossing to improve passage at the crossing. These types of improvements should be identified above in section B as a Road Crossing Fish Passage Improvement.	# engineered bypasses to be installed/improved

E. Fish Passage Summary Metrics

- 1.____% Estimate the percentage of total cost of the project applied to fish passage improvements
- 2. _____mi Estimate the total stream miles that will be made more accessible in the main channel and tributaries above the project (to nearest 0.01 mile). *This metric summarizes the stream miles for all of the proposed passage improvements (defined above in Sections A-D). If a barrier exists upstream of the project, report the length made accessible up to that next upstream barrier.*
- 3. ____# Estimate the total number of barriers (this includes road crossings, diversion dams, push up dams, wood or concrete dams, weirs, etc.) to be removed or altered to improve passage.

Instream Flow: *Projects that maintain and/or increase the instream flow of water.* Irrigation improvements that are primarily designed to improve water quality should be reported under Upland – Agriculture Management.

Check all proposed activities.

Irrigation practice improved to increase instream flows (e.g. install diversion headgate, replace open ditches with pipes)	Water flow gauges installed to measure water use
This project will dedicate instream flow.	Other (explain):

100 % Estimate the percentage of total cost of the project applied to instream flow activities

1 mi. Estimate the miles of stream where increased flow is the result of decreased/eliminated water withdrawals

cfs Estimate the increase in flow of water in the stream as a result of conservation effort (cubic feet per second)

01/05/2017 mm/dd/yyyy Initial start date of irrigation practice improvement

12/31/9999 mm/dd/yyyy Final end date of irrigation practice improvement (if improvement is permanent enter 12/31/9999)

_____ mm/dd/yyyy Water lease/agreement initial start date of no withdrawal

_____ mm/dd/yyyy Water lease/agreement final end date of no withdrawal (if lease/agreement is permanent, enter 12/31/9999)

Instream Habitat: *Projects that are designed to improve instream habitat conditions.*

Check all proposed activities.

Channel reconfiguration and connectivity (e.g., creating instream pools, meanders, improving floodplain connectivity, off-channel habitat, removal or alteration of levee or berm, removal of sediment)	Spawning gravel placement
Channel structure - large wood placement	Plant Removal/control (instream) List scientific names of plants
Channel structure - boulder placement	Carcass or nutrient placement: ☐ salmonid carcass; ☐fish meal brick; ☐other nutrient
Channel structure placement (<u>other</u> than large wood or boulder placements), e.g., engineered structures or deflectors, barbs, weirs, etc.	Other (explain):
Streambank stabilization through resloping and/or placing rocks, logs (e.g. revetments, gabions, barbs), or bioengineering on streambank	

__% Estimate the percentage of total cost of the project applied to instream habitat activities

__mi. Estimate the miles of stream to be treated with instream habitat treatments (to nearest 0.01 mile)

_____% Estimate the percentage of insteam activity costs for carcass or nutrient placements. If you do not select carcass/nutrient placements as an instream activity, leave this value blank. *Example: Your project will place salmon carcasses. You estimated that 25% of the total project cost will apply to instream habitat activities and one half of the instream improvements costs will apply to the carcass placement, you would report 50%.*

Riparian Habitat: *Projects above the ordinary high-water mark of the stream and within the floodplain of the stream.* <u>Check all proposed activities.</u>

Riparian planting	Non-native/noxious plant control	
Riparian exclusion fencing	Vegetation management (e.g. prescribed burnings, stand thinning, stand conversions, silviculture)	
Livestock exclusion by means other than fencing (includes placing obstacles to exclude livestock, people, vehicles, etc., but not for individual plant protection)	Debris/structure removal (OWEB funds cannot be used for general trash removal)	
Water gap development (fenced livestock crossing or livestock bridge)	Other (explain): Do not report livestock water developments here, report livestock water developments under upland habitat treatments.	
Conservation grazing management (e.g., rotation grazing)		
% Estimate the percentage of total cost of the project applied to riparian habitat activities		

ac. Estimate the acres of riparian habitat to be planted (to nearest 0.1 acres)

ac. Estimate the acres of riparian habitat to be treated for non-native/noxious weeds (to nearest 0.1 acres)

ac. Estimate the total riparian acres to be treated. (to nearest 0.1 acres)

mi. Estimate the miles of riparian streambank to be treated (to nearest 0.01 mi). Stream sides treated 🗌 one 🗌 two

(Do not double count miles if a second side is treated)

Upland Habitat: Projects implemented above the floodplain. Check all proposed activities.

Planting/seeding for erosion control (e.g., convert from crops to native vegetation, plant area where non- native/noxious weeds removed, grassed waterways, windbreaks, filter strips)	Livestock Manure Management (e.g., feedlot improvements to reduce runoff, relocate/improve manure holding structures and manure piles to reduce/eliminate drainage into streams)
List scientific names of plants	
Slope stabilization (e.g., grade stabilization, landslide reparation, terracing slopes)	Livestock/Wildlife Water Developments
Non-native/noxious plant control; List scientific names of plants:	Upland Livestock Management (<u>other</u> than livestock water developments), e.g., grazing plans, fencing
Juniper removal/control	Restore Historic Upland Habitats (e.g. oak woodland, oak savannah, upland prairie restoration)
Vegetation Management (<u>other</u> than non-native/noxious plant control or juniper removal, e.g. tree thinning, brush control, burning)	Trail or Campground Improvements (to decrease upland erosion; these may extend into the riparian zone)
List scientific names of plants:	
Upland Agriculture Management – (e.g., no/low-till, wind breaks, filter strips, crop rotation, terracing, water and sediment control basins, grade stabilization and irrigation improvements)	Other (explain):
Erosion control structures not already reported under Upland Agriculture Management or Road Drainage System and Surface Improvements.	

__% Estimate the percentage of total cost of the project will apply to upland habitat activities

Estimate the number of livestock/wildlife water developments

_____ac. Estimate the acres of upland habitat to be treated for non-native/noxious plants (to nearest 0.1 acres)

ac. Estimate the total acres of upland habitat to be treated (do not include acres of upland habitat affected by livestock water developments (to nearest 0.1 acres)

% Estimate the percentage of upland activity costs applied to Livestock Manure Management. If you do not select Livestock Manure Management as an upland activity, leave this value blank. *Example: Your project will relocate a feedlot to reduce livestock manure runoff. You estimated that 33% of the total project cost will apply to upland habitat activities and one half of the upland improvements costs will apply to the feedlot relocation, you would report 50%.*

Road Activities: Projects designed to improve road impacts to watersheds. Check all proposed activities.

Road drainage system and surface improvements & reconstruction	Other (explain):
Road closure, relocation, obliteration (decommissioning)	

_% Estimate the percentage of total cost of the project applied to road activities

mi. Estimate the miles of road treated (to nearest 0.01 mile)

Urban Impact Reduction: Check all of the urban impact related activities that will be used by this project:

Toxin reduction: list names of each toxic species, element or material:	Bioswales
Pesticide reduction: list names of each pesticide:	Detention Facility
Stormwater/wastewater modification or treatment (includes rain gardens	Other urban impact reduction (explain):

Check all of the water quality limiting factors addressed by the Urban Impact Reduction activities selected above. **Do not** select limiting factors addressed by other types of restoration activities:

Bacteria	Pesticides	Nutrients
Dissolved Oxygen		Sediment
Heavy Metals	High Temperature	Other (explain):

_% Estimate the percentage of total cost of the project applied to urban impact activities

Wetland Habitat: Projects designed to create or improve wetland areas. Check all proposed activities.

Wetland planting	Artificial wetland area created from an area not formerly a wetland
Non-native/noxious/invasive plant control	Other (explain):
Wetland improvement/restoration of existing or historic wetland (other than vegetation planting or removal)	

____% Estimate the percentage of total cost of the project applied to wetland habitat activities

ac. Estimate the acres of wetland habitat to be treated for non-native/noxious/invasive plants (to nearest 0.1 acres)

ac. Estimate the acres of artificial wetland created (to nearest 0.1 acres)

ac. Estimate the total acres of wetland habitat (existing or historic) treated (to nearest 0.1 acres)

Estuarine Habitat: *Projects that result in improvement or increase in the availability of estuarine habitat.* Check all proposed activities.

Estuarine planting	Non-native/noxious plant control
Channel modification/creation (e.g., improve intertidal flow to existing estuarine habitat)	Creation of new estuarine habitat where one did not exist previously by methods other than tidegates or dikes
Dike or berm modification/removal	Estuarine culvert modification / removal
Removal of existing fill material	Exclusion devices (commonly includes fencing, installation of mooring buoys, boardwalks/trails, etc. to keep public/animals away)
Placement of fill material (for proper terrestrial function)	Other (explain):

% Estimate the percentage of total cost of the project applied to estuarine habitat activities

ac. Estimate the acres of estuarine habitat to be treated for non-native/noxious plants (to nearest 0.1 acres)

ac. Estimate the total acres of estuarine habitat (existing or historic) to be treated (to nearest 0.1 acres)

<u>Section 3 - Salmon/Steelhead Populations Targeted and Expected Benefits to</u> <u>Salmon/Steelhead</u>

The information provided will be used by OWEB to better meet federal and state reporting requirements. Completion of this section is required but will not be used to evaluate this application for funding.

This project is **NOT** specifically designed to benefit salmon or steelhead.

▶ If you check this box, STOP here.

<u>**Targeted Salmon/Steelhead Populations</u>**: Select one or more of the salmon ESUs (Evolutionary Significant Unit) or steelhead DPSs (Distinct Population Segment) that the project will address/benefit. For species where the ESU/DPS name is not known or determined, use the species name with unidentified ESU (e.g., Chinook salmon – unidentified ESU). Additional information on the designation and location of the salmon/steelhead populations can be found at: <u>http://www.westcoast.fisheries.noaa.gov/maps_data/species_population_boundaries.html</u></u>

Chinook Salmon (Oncorhynchus tshawytscha)			Coho Salmon (O. kisutch)		
	Deschutes River summer/fall-run ESU			Lower Columbia River ESU	
	Lower Columbia River ESU			Oregon Coast ESU	
\square	Mid-Columbia River spring-run ESU			Southern Oregon/Northern California ESU	
	Oregon Coast ESU			unidentified ESU	
Snake River Fall-run ESU			Steelhead (O. mykiss)		
	Snake River Spring/Summer-run ESU			Klamath Mountains Province DPS	
	Southern Oregon and Northern California Coastal ESU			Lower Columbia River DPS	
	Upper Klamath-Trinity Rivers ESU	\boxtimes]	Middle Columbia River DPS	
	Upper Willamette River ESU			Oregon Coast DPS	
	unidentified ESU]	Snake River Basin DPS	
Chum Salmon (O. keta)				Washington Coast DPS (SW Washington)	
	Columbia River ESU			Upper Willamette River DPS	
	Pacific Coast ESU			Steelhead/Trout unidentified DPS	
	unidentified ESU				

Expected Benefits:

Write a brief description of the goals and purpose of the project and how it is expected to benefit salmon/steelhead or salmon/steelhead habitat. See Application Instructions for helpful examples.

Better irrigation system means an increased flow which means more water for fish. This is especially important in regards to keeping the water temperature of McKay cool; less water use will help with that.

10. Project Budget- Itemize projected costs for each of the following "Expense Categories" that apply to your project. A minium of 25% match--cost share--in-kind/cash (column 4) is required. See application

Totals automatically round to the nearest dollar

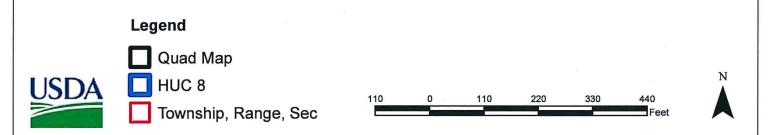
Expense Category	No. of Units	Unit Cost	Cost Share In- Kind/ Cash (Match)	OWEB Funds	Description <i>what will be purchased or done and who</i> <u>will provide the item/perform the work</u>
SALARIES, WAGES AND BENEF	TTS (Inclu	des time dev	oted to this proj	ect by applic	cant employees for whom payroll taxes are paid)
District Manager	20	35		700	Salary & Benefits
		FOTAL (1)	0	700	
CONTRACTED SERVICES (Wor	k crews, vo		r, equipment op		
Dunning Irrigation Supply	1	\$3,177		3,177	Irrigation Supplies and Back Hoe Operation
	SUP	FOTAL (2)	0	3,177	
MATERIALS AND SUPPLIES (Se			· · · · · · · · · · · · · · · · · · ·		
Majority Included in Bid		, PIP-3, 5141	-, 1080, plants C		
Valves and Keys	1	900	108	792	6 valves and 2 keys for system
	SUB	FOTAL (3)	108	792	
TRAVEL (For current rates go to:				nked.shtml#	Regular_Grant_Forms_Documents Travel Rates)
SWCD Staff	40	.54/mile	22		Mileage Reimbursement
	SUB	FOTAL (4)	22	0	
OTHER (Land use signature costs,	project per		nall equipment 1		
Land Use Form	1	25		25	Land Use for Water Developments
	CUD	FOTAL (5)	0	25	
	SUD	IUIAL (5)	0	23	
PROJECT SUBTOTAL [Adds al	l subtotals (1	-5) above]	130	4,694	
			Compute by multip	plying by 0.1.	5 or less. See the January 2014 Budget Categories
		ms/2014-01b	udget_category_d	lefs.pdf for e	ligible costs. Indicate which billing method will be used
for this grant by checking one appropriate	riate box.				
X direct cost billing	1	200		200	
\Box direct cost allocation		200			
indirect costs (if checked, attach copy of the Federal Indirect Cost					
Negotiation Agreement)					
POST GRANT (optional)					
				1.40	
YEAR-2 STATUS REPORT PLANT ESTABLISHEMENT				140	(Not to exceed \$200)
rlani establishemen l	DDATEC	T TOTALS	130	5 024	(Not to exceed \$1,000 in OWEB funds)
	FROJEC	TIOTALS	130	5,034	(Not to exceed \$10,000 in OWEB funds)

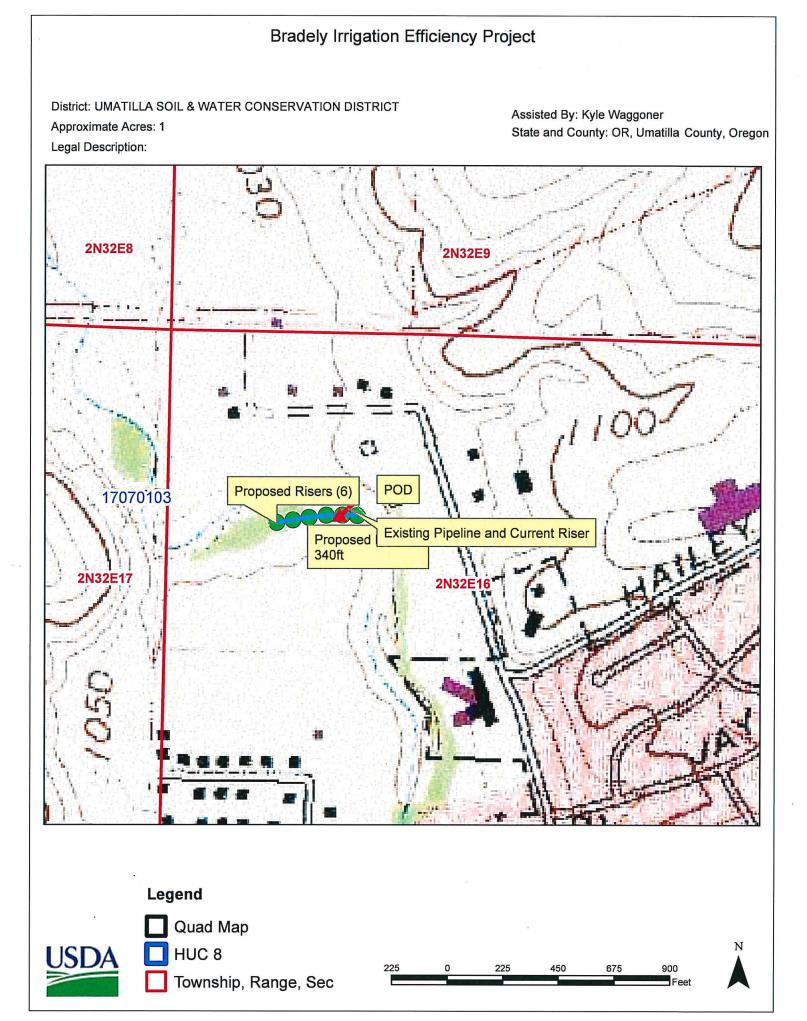
Bradely Irrigation Efficiency Project

District: UMATILLA SOIL & WATER CONSERVATION DISTRICT Approximate Acres: 1 Legal Description:

Assisted By: Kyle Waggoner State and County: OR, Umatilla County, Oregon







Bradley Irrigation Efficiency Project Photos

OWEB Small Grant July 2016



Bradley Irrigation Efficiency Project Photos

OWEB Small Grant July 2016



Bradley Irrigation Efficiency Project Photos



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