



Small Grant Program Application 2019-2021

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 (round to nearest dollar) \$14,860

Total Project Cost \$ 28,312

Name of Project (five words or fewer) Broken Spur Livestock Water Developments

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

This project occurs at (check one): A single site _____ Multiple sites

Watershed: Umatilla Basin

County or Counties: Umatilla County

Township, Range, Section (e.g. T1N, R5E, S12): T1S, R32E, S29

Latitude, Longitude (e.g. 44.9429, -123.0351): 45.451077, -188.844790

Subbasin (10-digit hydrological unit code): 1707010306

River or Creek Name (if applicable): Spring
Creek

River Mile (if applicable): N/A

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? Yes Grant # 216-6034 No
If yes, explain The previously submitted application proposed a bridge crossing on East Birch Creek on this property and was not awarded. Other applications have been submitted for the same landowner, but these projects are located on different property. Project numbers for these applications include: 211-6003, 212-6037, 213-6008, 216-6033, and 26-12-024.

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 _____

II. Contact Information

Applicant Org.: Umatilla County SWCD

Contact: Kyle Waggoner

Mailing Address: 1 SW Nye Ave. Ste. 130, Pendleton, OR

Phone: (541) 278-8049 x138

Tax ID: 93-0708539

Zip: 97801

Email: umcoswcd@eotnet.net

Landowner(s): Broken Spur Ranch LLC

Landowner Address: 30522 Oldfield St., Hermiston, OR

Phone: (541) 571-1373

Zip: 97838

Email: harry@brokenspurarena.com

Project Manager for the Grantee Org: Umatilla County SWCD

Project Manager for the Grantee: Kyle Waggoner

Project Manager Address: 1 SW Nye Ave. Ste. 130, Pendleton, OR

Phone: (541) 278-8049 x138

Zip: 97801

Email: umcoswcd@eotnet.net

Payee Org.: Umatilla County SWCD

Contact: Kyle Waggoner

Mailing Address: 1 SW Nye Ave. Ste. 130,
Pendleton, OR

Phone: (541) 278-8049 x138

Tax ID: 93-0708539

Technical Contact: Rachel Nash

Phone: (541) 278-8049 x134

Email:
rnash@umatill

Zip: 97801

Email: umcoswcd@eotnet.net
acountyswcd.com

III. Project Information

Priority Watershed Concern: the project will address — Check *One* Only.

- | | | |
|--|--|---|
| <input type="checkbox"/> Instream Process & Function | <input type="checkbox"/> Riparian Process & Function | <input type="checkbox"/> Urban Impact Reduction |
| <input type="checkbox"/> Wetland Process & Function | <input type="checkbox"/> Private Road Impact Reduction | <input checked="" type="checkbox"/> Upland Process & Function |
| <input type="checkbox"/> Fish Passage | <input type="checkbox"/> Water Quantity & Quality/ Irrigation Efficiency | |

Small Grant Team Priority Project Type(s) addressed by the project (list specific eligible project type):
Upland Process and Function: Manage Nutrient and Sediment Inputs to Streams

1-a. Is the project consistent with the local watershed assessment or action plan?

- Yes Name primary assessment/plan Umatilla/Willow Subbasin Plan
 No
 N/A—The watershed does not yet have an assessment or action plan

1-b. Is the project consistent with the local Agricultural Water Quality Management Area Plan?

- Yes No

1-c. Is the project consistent with any developed plan for the property (e.g., local conservation or stewardship)?

- Yes No
If yes, name the plan(s): _____

2. Describe the current *watershed* **PROBLEM(s) you are seeking to address.**

The problem is that cattle on Broken Spur Ranch LLC are overusing low elevation areas along Spring Creek and are not fully utilizing higher elevation pastures. The ranch currently runs 200-300 head of cattle on their 855 acre property south of Pilot Rock, Oregon. Cattle currently have full access to Spring Creek and do not frequently access pastures at higher elevation due to the distance and elevation difference between drinking areas on Spring Creek and grazing areas upslope. The ranch currently transports city water in water trucks from Pilot Rock to the pastures to provide water sources at higher elevation that are more accessible for cattle. Many portions of the streambanks on the 0.7 miles of Spring Creek that run through the property are currently highly eroded, lacking vegetation, unshaded, and receive regular inputs of sediment and animal waste. The ranch manager reports that the cattle currently spend the majority of their time on the creek when they have access to it. Cattle currently graze an irrigated crop circle from October to May, but the field is only irrigated during the summer months and therefore irrigation water cannot provide a year-round drinking source for the cattle. The remainder of the property serves as the summer pasture.

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

The solution will be to move the cattle off of Spring Creek. Providing water facilities in the higher elevation pastures will help maximize use of available grazing pastures upslope and will help cattle conserve energy, therefore requiring fewer resources to sustain them. One trough and the water reservoir will be located near the existing well, pump, and solar panels at the highest elevation on the property. The other trough will provide drinking access to both the irrigated crop circle used as pasture from October to May and the summer pasture, spanning the fence between the pastures. These watering facilities will then provide water for cattle year-round, and will allow ranch managers to use existing fence to exclude the cattle from Spring Creek entirely. Excluding cattle will reduce soil erosion, allow vegetation to regenerate on the streambanks, and reduce sediment and animal waste inputs into Spring Creek.

4. Insurance Information

If applicable, select all the activities that are part of your project (check all that apply). You will be required to submit the DAS Risk Assessment Tool for items 1-5:

- 1. Working with hazardous materials (not including materials used in the normal operation of equipment such as hydraulic fluid)
- 2. Earth moving work around the footprint of a well
- 3. Aerial application of chemicals
- 4. Transporting individuals on the water
- 5. Removal or alteration of structures that hold back water on land or instream including dams, levees, dikes, tidegates and other water control devices (this does not include temporary diversion dams used solely to divert water for irrigation)
- 6. Applicant's staff or volunteers are working with kids related to the project (DAS Risk assessment tool not required, additional insurance *is* required)
- 7. Applicant's staff are applying herbicides or pesticides (DAS Risk assessment tool not required, additional insurance *is* required)

OWEB considers these projects to carry a greater risk to the organization, organization's employees, volunteers, and the community. If boxes 1-5 are checked above, the applicant must submit the DAS Risk Assessment, <https://www.oregon.gov/das/Risk/Pages/CntrctrInsReq.aspx>, with this application. Additional information regarding the insurance policy and requirements can be found in the OWEB's Budget Categories: Definitions & Policies document available on the OWEB website.

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

- | | |
|--|---|
| <input checked="" type="checkbox"/> NRCS Field Office Technical Guide
Practice Code <u>614, 516</u> | <input type="checkbox"/> Guide to Placing Large Wood in Streams
Page # / Para _____ |
| <input type="checkbox"/> Oregon Road/Stream Crossing Restoration Guide
Page # / Para _____ | <input type="checkbox"/> Forest Practices Tech Note #4
Page # / Para _____ |
| <input type="checkbox"/> Nonpoint Source Pollution Control Guidebook
Page # / Para _____ | <input type="checkbox"/> Forest Practices Tech Note #5
Page # / Para _____ |
| <input type="checkbox"/> Urban Subwatershed Restoration Manual
Page # / Para _____ | <input type="checkbox"/> Tribal Natural Resource Plans and Water Plans
(attach the relevant page or pages) |

6. Maintenance and Post-Implementation Monitoring

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

Who will maintain? Harry Larson

What will be maintained? Troughs, pipe, reservoir, fence

How will it be maintained? Visual inspection

of years, # of times/year As needed

b) Post-implementation monitoring including photo points and visual inspection is *required* 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?

Site monitoring protocols?

of years, # of times/year

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

Organization: Umatilla County SWCD

Name: Kyle Waggoner

Mailing Address: 1 SW Nye Ave. Ste. 130,
Pendleton, OR

Zip: 97801

Phone: (541) 278-8049 x138

Email: umcoswcd@eotnet.net

8. 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? _____

9. 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

10. 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 Name the partner and contribution	Cash	In-Kind	Amount/ Value
OWEB:	14,860		14,860
Landowner:		13,414	13,414
Umatilla County SWCD:		38	38
Total Estimated Funds (add all amounts in the far right column)			\$28,312

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

11. Project Budget (Word). Itemize projected costs for each budget category that apply to your project. A minimum of 25% match is required. See application instructions and additional team conditions for further guidance.

PLEASE NOTE: Budgets may be submitted in either Word or Excel formats. Documents can be found on the OWEB Forms webpage.

Fill in the amounts, rounded to the nearest dollar; do not include cents.

Expense Category	No. of Units	Unit Cost	OWEB Funds	Match Funds (In-Kind/Cash)	Description--what will be purchased and by whom/who will perform the work.
SALARIES, WAGES, AND BENEFITS. Refers to in-house staff/applicant employees for whom payroll taxes are paid. List position titles; include only costs of employees charged to this grant.					
District Manager	20	\$29.50	\$590	\$0	Kyle Waggoner
Conservation Specialist	20	\$24.50	\$490	\$0	Rachel Nash
SUBTOTAL (1)			\$1,080	\$0	
CONTRACTED SERVICES. Labor, supplies, materials and travel to be provided by non-staff for project implementation.					
1200 gal water trough	1	\$4,447	\$4,447	\$0	1200 gal aluminum trough on concrete pad, includes steel pipe above ground and floats on troughs
600 gal water trough	1	\$2,962	\$0	\$2,962	600 gal aluminum trough on concrete pad, includes steel pipe above ground and floats on troughs
Water reservoir	1	\$9,233	\$9,233	\$0	Includes 3600 gal reservoir and installation
Pipe installation	1,684	\$4.48	\$0	\$7,544	Trenching and pipe 1½ schedule 40 pipe to troughs and cistern
Fence installation	200	\$14.54	\$0	\$2,908	Fence around well & solar panel, one gate
SUBTOTAL (2)			\$13,680	\$13,414	
MATERIALS AND SUPPLIES. Refers to items purchased by or invoiced to the applicant organization, and are "used up" in the course of the project. Costs to OWEB must be directly related to the implementation of this grant.					
SUBTOTAL (3)			\$0	\$0	
TRAVEL. Applicant staff mileage. For rates see: https://www.oregon.gov/oweb/manage-grant/Pages/payments-budget.aspx					
Site visits	66	\$0.58	\$0	\$38	Two visits by SWCD staff
		\$0	\$0	\$0	
SUBTOTAL (4)			\$0	\$38	
OTHER. Land use signature costs, project permit costs, small equipment repair, commercial equipment rental.					
Land use permit	1	\$25	\$25	\$0	To be purchased by Umatilla County SWCD
		\$0	\$0	\$0	
SUBTOTAL (5)			\$25	\$0	
MODIFIED TOTAL DIRECT COST (MTDC) (Add Subtotals 1-5)			\$14,785	\$13,452	
INDIRECT COSTS. Not to exceed 10% of Modified Total Direct Costs (MTDC). See the current Budget Categories Definitions and Policies document for eligible costs.					
Indirect Costs	Not to exceed 10% of MTDC		\$0	\$0	
POST-GRANT					
Year-Two Status Report			\$75	\$0	(Not to exceed \$200)
Post-Project Plant Establishment			\$0	\$0	(Not to exceed \$1,000)
PROJECT TOTALS			\$14,860	\$13,452	(Not to exceed \$15,000 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.

Applicant	Date
Landowner	Date
Fiscal Agent	Date

Attachment Checklist

- Project location map (Required)
- Color photographs of site (Required)
- Site drawings/diagrams (if applicable)
- Juniper Checklist (if applicable)
- Cooperative agreement, if 2 or more landowners (Optional) **May be submitted in lieu of ALL Landowner signatures on Application ALL Landowners must sign the Grant Agreement**
- Racial and Ethnic Impact Statement (Required)
- Restoration Metrics form (Required)

Other materials (as required by team)

Optional Forms at time Application

(Required at the time of Request for Release of Funds, see instructions)

- Irrigation Efficiency
- Culvert/Stream Crossing
- Secured Match
- 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 **will have no** 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:

Title:

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.



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 Ginger Lofftus, OWEB PCSRF Reporting Assistant, at 503-986-5372 (ginger.lofftus@state.or.us)

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 growth boundaries or rural residential areas)
 Rural (Projects located outside urban growth boundaries or rural residential areas.)

2. Dominant Watershed Setting: CHECK ONE BOX ONLY. Example: 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 **only** 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: 855 Total Stream Miles Treated: 0.7
(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

4.2) Effectiveness monitoring will be conducted for this project. Please note that effectiveness monitoring cannot be funded with OWEB Small Grant Funds.

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

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

Check all proposed monitoring activities

- | | |
|---|---|
| <input type="checkbox"/> Adult Fish: presence/absence/abundance/distribution survey(s) | <input type="checkbox"/> Water quality |
| <input type="checkbox"/> Spawning surveys | <input type="checkbox"/> Macroinvertebrates |
| <input type="checkbox"/> Juvenile Fish: presence/absence/abundance/distribution survey(s) | <input type="checkbox"/> Water quantity |
| <input type="checkbox"/> Upland vegetation (Presence/Absence) | <input type="checkbox"/> Noxious weed (Presence/Absence) |
| <input type="checkbox"/> Instream Habitat surveys | <input type="checkbox"/> Photo Points |
| | <input type="checkbox"/> Riparian vegetation (Presence/Absence) |
| | <input type="checkbox"/> Other (explain): _____ |

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 **all** 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 **new** screens installed (do not count diversions where existing screens are replaced)

_____ cfs Estimate the cubic feet per second of flow influenced by **new** screen(s) installed (to nearest 0.01 cfs)

Existing Screens Replaced, repaired or modified

_____ # Estimate the number of **existing** screens replaced, repaired or modified

_____ cfs Estimate the cubic feet per second of flow influenced by **existing** 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.

- | | |
|---|---|
| <input type="checkbox"/> Diversion Dam | <input type="checkbox"/> Logs |
| <input type="checkbox"/> Push-up Dam | <input type="checkbox"/> Debris |
| <input type="checkbox"/> Wood or Concrete Dam | <input type="checkbox"/> Boulder/Rock Barrier (not weirs) |
| <input type="checkbox"/> Weir (not associated with a road crossing) | <input type="checkbox"/> Landslide |

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. This includes 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): _____

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

_____ 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)

_____ mm/dd/yyyy Initial start date of irrigation practice improvement

_____ 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 (**other** 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 instream 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. **Check all proposed activities.**

- 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.

_____ % 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 1 2 (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)
List scientific names of plants _____
- Livestock Manure Management (e.g., feedlot improvements to reduce runoff , relocate/improve manure holding structures and manure piles to reduce/eliminate drainage into streams)
- Slope stabilization (e.g., grade stabilization, landslide reparation, terracing slopes)
- Upland Livestock Management (**other** than livestock water developments), e.g., grazing plans, fencing
- Non-native/noxious plant control
List scientific names of plants: _____
- Restore Historic Upland Habitats (e.g. oak woodland, oak savannah, upland prairie restoration)
- Juniper removal/control
- Livestock/Wildlife Water Developments
- Vegetation Management (**other** than non-native/noxious plant control or juniper removal, e.g. tree thinning, brush control, burning)
List scientific names of plants: _____
- Erosion control structures not already reported under Upland Agriculture Management or Road Drainage System and Surface Improvements.
- 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): _____

100 % Estimate the percentage of total cost of the project will apply to upland habitat activities

2 # Estimate the number of livestock/wildlife water developments

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

0 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: 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.

- | | | |
|---|---|---|
| <input type="checkbox"/> Bacteria | <input type="checkbox"/> Dissolved Oxygen | <input type="checkbox"/> Heavy Metals |
| <input type="checkbox"/> Pesticides | <input type="checkbox"/> Toxics | <input type="checkbox"/> High Temperature |
| <input type="checkbox"/> Nutrients | <input type="checkbox"/> Sediment | |
| <input type="checkbox"/> 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.*

- | | |
|--|--|
| <input type="checkbox"/> Wetland planting | <input type="checkbox"/> Non-native/noxious/invasive plant control |
| <input type="checkbox"/> Artificial wetland area created from an area not formerly a wetland | <input type="checkbox"/> Wetland improvement/restoration of existing or historic wetland (other than vegetation planting or removal) |
| | <input type="checkbox"/> Other (explain): _____ |

_____ % 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.

- | | |
|---|--|
| <input type="checkbox"/> Estuarine planting | <input type="checkbox"/> Channel modification/creation (e.g., improve intertidal flow to existing estuarine habitat) |
| <input type="checkbox"/> Non-native/noxious plant control | <input type="checkbox"/> Creation of new estuarine habitat where one did not exist previously by methods other than tidegates or dikes |
| <input type="checkbox"/> Dike or berm modification/removal | <input type="checkbox"/> Placement of fill material (for proper terrestrial function) |
| <input type="checkbox"/> Estuarine culvert modification/removal | <input type="checkbox"/> Other (explain): _____ |
| <input type="checkbox"/> Removal of existing fill material | |
| <input type="checkbox"/> Exclusion devices | |

_____ % 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)

Section 3.

Salmon/Steelhead Populations Targeted and Expected Benefits to Salmon/Steelhead

The information provided will be used by OWEB better to 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.**

Targeted Salmon/Steelhead Populations: 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:

https://www.westcoast.fisheries.noaa.gov/maps_data/species_population_boundaries.html

Chinook Salmon (*Oncorhynchus tshawytscha*)

- Deschutes River summer/fall-run ESU
- Lower Columbia River ESU
- Mid-Columbia River spring-run ESU
- Oregon Coast ESU
- Snake River Fall-run ESU
- Southern Oregon and Northern California Coastal ESU
- Upper Klamath-Trinity Rivers ESU
- Upper Willamette River ESU
- unidentified ESU

Chum Salmon (*O. keta*)

- Columbia River ESU
- Pacific Coast ESU
- unidentified ESU

Coho Salmon (*O. kisutch*)

- Lower Columbia River ESU
- Oregon Coast ESU
- Southern Oregon/Northern California ESU
- unidentified ESU

Steelhead (*O. mykiss*)

- Klamath Mountains Province DPS
- Snake River Spring/Summer-run ESU
- Lower Columbia River DPS
- Middle Columbia River DPS
- Oregon Coast DPS
- Snake River Basin DPS
- Washington Coast DPS (SW Washington)
- Upper Willamette River DPS
- Steelhead/Trout unidentified DPS

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.**

The primary goal of this grant proposal is to remove cattle from Spring Creek, which they now use heavily as a drinking and resting area. This results in bank erosion as well as inputs of sediment and animal waste into the creek. Spring Creek pours directly into East Birch Creek, which joins West Birch Creek to become Birch Creek within the city of Pilot Rock. Birch Creek is high priority habitat for Middle Columbia River Steelhead and a historical location for Chinook Salmon.

RDF Troughs
 PO Box 492
 Pilot Rock, OR 97868

Estimate

Name/Address
Broken Spur Rita Larson PO Box 1361 Hermiston, OR 97838

Date	Estimate No.	Project
09/06/19	169	

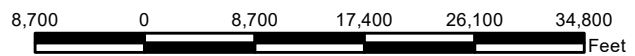
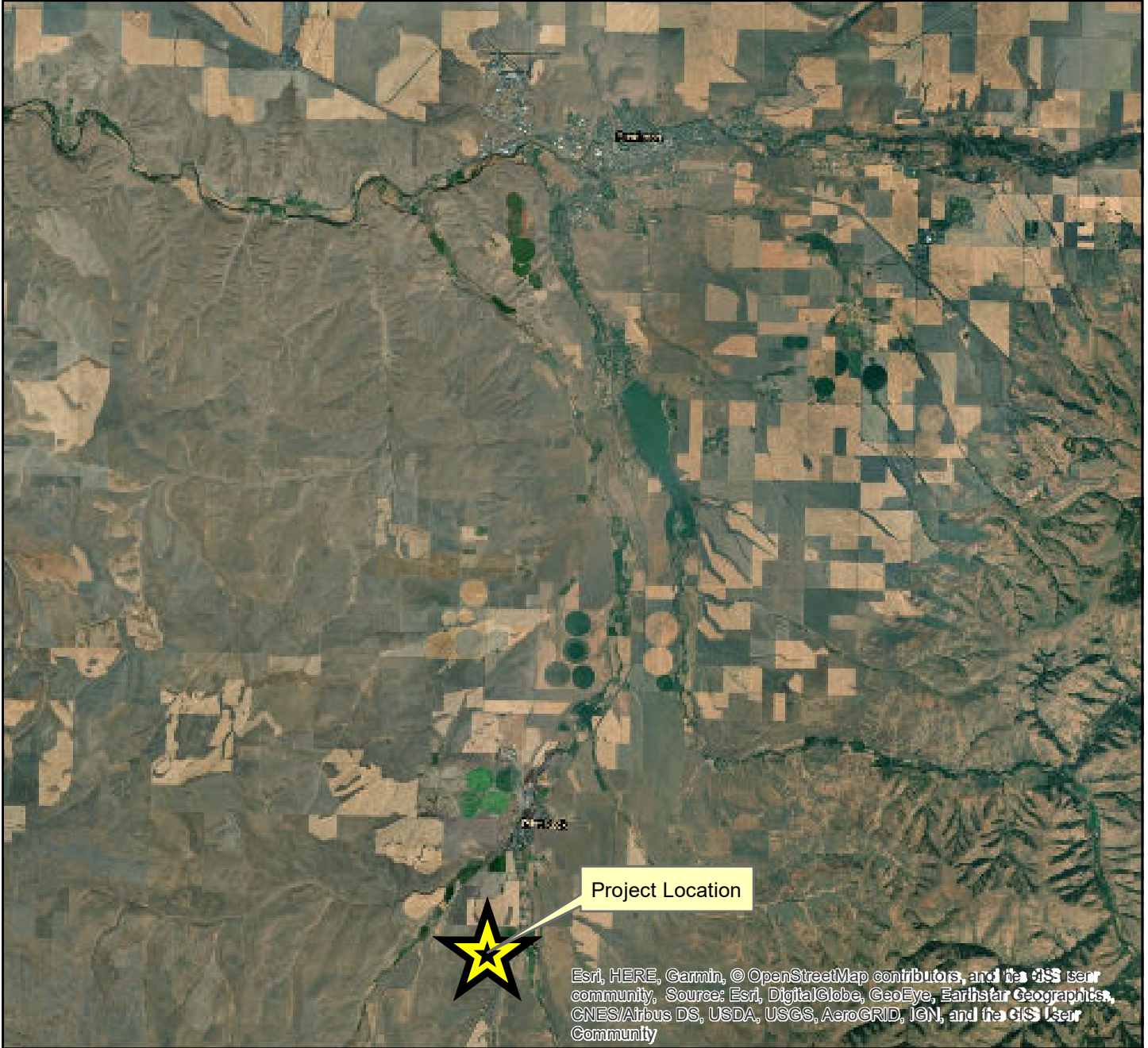
Item	Description	Quantity	Cost	Total
Supplies	Water Development at drilled well above Old Wilson Place Install 1200 Gallon Aluminum Trough on Concrete pad. Includes steel pipe above ground and floats on troughs.	1	4,447.00	4,447.00
Labor	Install 600 Gallon Aluminum Trough on Concrete pad. Includes steel pipe above ground and floats on troughs.	1	2,962.00	2,962.00
Labor	Install 3600 Gallon Reservoir. Includes Reservoir and installation	1	9,233.00	9,233.00
Labor	Trenching and pipe 1 1/2 Schedule 40 pipe to troughs and Cistern.	1,684	4.48	7,544.32
Labor	Fence around Well and Solar Panel installations. One Gate. Oil Field pipe in ground, with pipe top rail, and Wire panel filling	200	14.54	2,908.00
			Total	\$27,094.32

Broken Spur Livestock Water Developments

District: UMATILLA SOIL & WATER CONSERVATION DISTRICT

Assisted By: Rachel Nash

State and County: OR, Umatilla County, Oregon



Broken Spur Livestock Water Developments

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State and County: OR, Umatilla County, Oregon

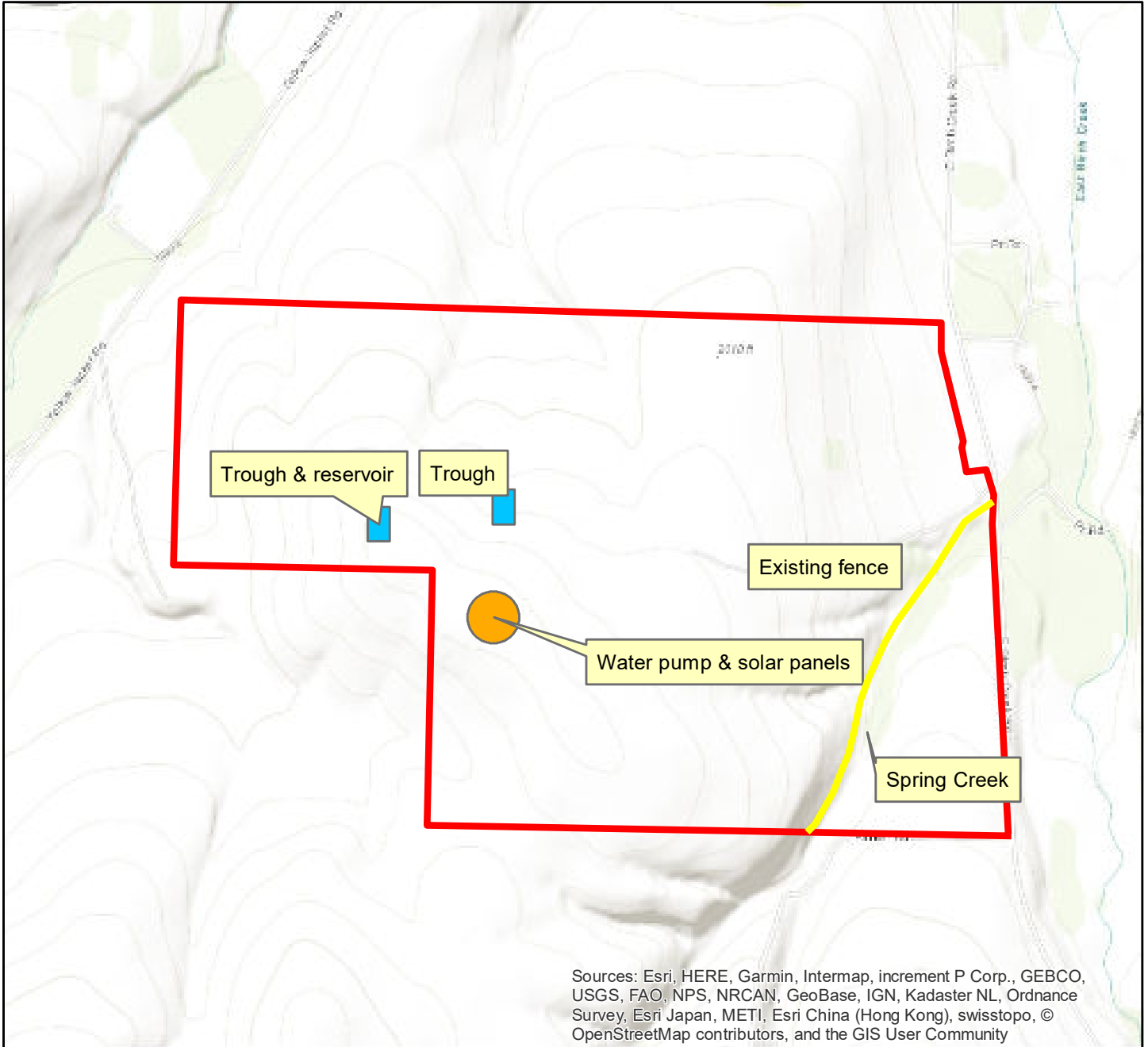


Broken Spur Livestock Water Developments

District: UMATILLA SOIL & WATER CONSERVATION DISTRICT

Assisted By: Rachel Nash

State and County: OR, Umatilla County, Oregon





Well pump and solar panels around which a fence will be installed



Closer view of well pump



Site of trough and reservoir to be installed near highest elevation on property



Site of second trough downslope, to span both sides of fence (Note that green pasture is only used for grazing seasonally and is only irrigated in summer)



Portion of Spring Creek where cattle activity under the shade of a tree has exposed soil on the creek's banks



Looking south up Spring Creek where cattle currently have access



Eroded bank where cattle have access to Spring Creek



Exposed soil in areas of high cattle activity along Spring Creek