



# Section 319 Grant - Project Proposal Form

7/25/13

FY2014 Project Proposals are due Friday July 26, 2013

Project Title Lower Spring Creek Restoration

### Project Sponsor Information

Name	<u>Beaverhead Conservation District</u>	Tax Identification Number	<u>81-0438160</u>
Address	<u>420 Barrett St.</u>	Website	<u></u>
City	<u>Dillon</u>	State	<u>Montana</u>
		Zip Code	<u>59725</u>
		County	<u>Beaverhead</u>
Primary Contact	<u>Katie Tackett</u>	Signatory	<u>Byron Martinell</u>
Title	<u>Grants Administrator</u>	Title	<u>Chairman</u>
Phone Number	<u>(406) 988-0191</u>	Phone Number	<u>(406) 683-3802</u>
Fax Number	<u>(406) 683-3840</u>	Fax Number	<u>(406) 683-3840</u>
E-mail Address	<u>beaverheadwatershed@gmail.com</u>	E-mail Address	<u>kathleen@3rivers.net</u>
Signature	<u><i>Katie Tackett</i></u>	Signature	<u><i>Byron Martinell</i></u>

### Project Funding

319 Funds Requested	<input type="text" value="\$102,825.00"/>
Matching Funds	
State Match	<input type="text" value="\$25,575.00"/>
State In-Kind Match	<input type="text"/>
Local Match	<input type="text" value="\$43,466.00"/>
Other Match	<input type="text"/>
Total Matching Funds	<input type="text" value="\$69,041.00"/>
Other Federal Funds	<input type="text"/>
Total Project Budget	<input type="text" value="\$171,866.00"/>
Administrative Fee	<input type="text" value="\$10,000.00"/>

Does the project sponsor have any open 319 contracts?  Yes

Project Title Beaverhead Watershed Plan

DEQ Contract Number 210140

319 Award \$15,000.00

Projected Closing Date December 31, 2013

Project Title \_\_\_\_\_

DEQ Contract Number \_\_\_\_\_

319 Award \_\_\_\_\_

Projected Closing Date \_\_\_\_\_

### Nonpoint Source (NPS) Information

Functional Category	<input type="text" value="Stream Bank Stabilization"/>
1st Pollution Category	<input type="text" value="Agriculture (Grazing Related Sources)"/>
2nd Pollution Category	<input type="text" value="Hydromodification (Channel Erosion/Inc)"/>
3rd Pollution Category	<input type="text" value="Hydromodification (Removal of Riparian)"/>
Waterbody Type	<input type="text" value="River/Stream"/>

### Project Location

Which WRP does this project implement?

What is the status of the WRP?

Does the project implement a TMDL?

Watershed Name or HUC # Beaverhead Watershed

(1) Waterbody Name from 2012 List of Impaired Waters  
Spring Creek

(1) Probable Cause(s) of Impairment  
Livestock

(2) Waterbody Name from 2012 List of Impaired Waters  
\_\_\_\_\_

(2) Probable Cause(s) of Impairment  
\_\_\_\_\_

Activity 1 Name Stream Restoration

Latitude (1) 45.3813124 Longitude (1) -112.4497306

Activity 2 Name \_\_\_\_\_

Latitude (2) \_\_\_\_\_ Longitude (2) \_\_\_\_\_

**Project Description**

Methods: Please describe the specific activities of this project.

Methods include: revegetating riparian zones (willow clumps and filter strip), riparian fencing, grazing management, channel regrade (vortex weirs), water gaps, culvert removal, bridge construction, irrigation control structures, stream bank stabilization (willow planting and floodplain access), corral relocation, project monitoring, and oversight.

Objectives: Please describe the specific/measurable objectives that will ensure the achievement of the project goal(s).

The objective of this project is to reduce sediment and nutrient loads from the lower 1850 ft of Spring Creek in Madison County. Currently the stream is incised and has multiple headcuts. The streambanks will be shaped to allow access to the floodplain and vortex weirs will be installed to control the grade of the streambed. Nutrients to the stream will be greatly reduced by moving the corrals to an offstream location and installing a filter strip between the new corrals and the stream. The irrigation water will be better managed with a new pin-plank structure, screw gate, and measurement device. The new irrigation structure will allow for better measurement of the irrigation water and will have a fish ladder for fish passage. This project will also repair 400 ft of bank on the Beaverhead River.

Overview: Please provide a brief background of the proposed project.

The Spring Creek project is a locally led stream restoration effort aimed at improving water quality and fisheries in the lower 1,850 ft of Spring Creek in Madison County. Spring Creek is a tributary to the Beaverhead River and the confluence is located about 20 miles north of Dillon at Beaverhead Rock. Spring Creek is currently listed on the 303d list for the nutrients, metals, and sediment. Currently only the sediment TMDL is completed for Spring Creek, however this project will also benefit nutrients and temperature in the lower reach.

The proposed stream restoration project will benefit both Spring Creek and the Beaverhead River by mitigating a major sediment source. This project will not only provide summer refuge to fish in the Beaverhead River that are exposed to extremely warm water temperatures, but also provide fall spawning opportunities for brown trout. In addition to the stream restoration, riparian fencing, water gaps, off-stream water and prescribed grazing management are proposed to protect the stream restoration. Not only will the project benefit sediment and temperature, but nutrients will be reduced by moving existing corrals to an off-stream location and providing livestock access to off-stream water.

In addition to the work directly on Spring Creek, 400 ft of bank on the Beaverhead River will be repaired. This bank is eroding due to grazing pressure lack of riparian vegetation. The bank will be sloped and willow clumps installed to protect the bank.

Monitoring: Please briefly describe the monitoring component of this proposal.

Prior to implementing these projects the landowner will be required to sign a landowner agreement. The agreement will require the project to be managed and maintained for at least 15 years. The BWC will follow up annually with the landowner and take photos to monitor the success of the vegetation and stream function.

Education and Outreach: Please briefly describe the education and outreach component of this proposal and the target audience.

The BWC will feature the project at one public meeting and will provide the opportunity to tour the project once completed. The BWC will also write an article to submit to local newspapers.

Collaborative Effort: Please briefly describe project partners. Include other agencies, organizations and private citizens and their role in this project.

Partner	Role
Landowner	Supporter/Active Participant
Montana FWP	Technical Supporter

**Scope of Work- Outline**

Task 1 Title Final Design

319 Funds	\$15,000.00
Non-Federal Match	
Other Federal Funds	
Total Cost	\$15,000.00

Timeline August 2014

Description  
Completion of final design by a qualified engineer and/or consulting firm. The contractor will be chosen based on State of Montana procurement guidelines.

Task 2 Title Permitting

319 Funds	\$1,000.00
Non-Federal Match	\$1,500.00
Other Federal Funds	
Total Cost	\$2,500.00

Timeline November 2014

Description  
Obtain necessary permits for construction. Permits will be completed with the assistance of the design contractor and the BWC technical committee.

Task 3 Title Construction

319 Funds	\$63,625.00
Non-Federal Match	\$60,535.00
Other Federal Funds	
Total Cost	\$124,160.00

Timeline Spring 2015

Description  
Weather permitting construction will take place in early spring 2015. Contractor will be hired based on State of Montana procurement guidelines.  
Construction includes: revegetating riparian zones, riparian fencing, grazing management plan, channel improvements, water gaps, culvert removal, bridge construction, irrigation control structures, streambank stabilization, and corral relocation.

Task 4 Title Construction Oversight

319 Funds	\$12,000.00
Non-Federal Match	\$0.00
Other Federal Funds	
Total Cost	\$12,000.00

Timeline Spring 2015

Description  
Construction oversight will be provided by the contracted engineer/consultant that completes the final design.

Task 5 Title Monitoring

319 Funds	\$1,000.00
Non-Federal Match	\$1,000.00
Other Federal Funds	
Total Cost	\$2,000.00

Timeline Spring 2015 - spring 2020

Description  
The BWC in conjunction with the landowner and technical partners will monitor the project annually to ensure all structures and work are maintained.

Task 6 Title Education and Outreach

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Description

The BWC will feature the project at one public meeting and will provide the opportunity to tour the project once completed. The BWC will also write an article to submit to local newspapers.

Timeline Fall 2015

Task 7 Title Administration/Project Coordination

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Description

The Beaverhead Conservation District will provide administration for the grant. The Beaverhead Watershed Committee Coordinator (BCD employee) will work with the landowner, technical partners, and contractors to ensure the project is completed and in compliance with the DEQ 319 contract.

Timeline

Task 8 Title

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Description

Timeline

Task 9 Title

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Description

Timeline

Comments: Please use the space provided for any additional information that may not have been captured by this application form.