



Section 319 Grant - Project Proposal Form 7/25/13

FY2014 Project Proposals are due Friday July 26, 2013

Project Title Bull River Sediment Reduction and Riparian Re-vegetation Project

Project Sponsor Information

Name <u>Lower Clark Fork Watershed Group</u>	Tax Identification Number <u>41-2136925</u>
Address <u>P. O. Box 1329</u>	Website _____
City <u>Trout Creek</u> State <u>Montana</u>	Zip Code <u>59874</u> County <u>Sanders</u>
Primary Contact <u>Sue Matthews</u>	Signatory <u>Joe DosSantos</u>
Title <u>Watershed Coordinator</u>	Title <u>Chair, LCFWG Board of Directors</u>
Phone Number <u>406-626-1919</u>	Phone Number <u>406-847-1284</u>
Fax Number _____	Fax Number <u>406-847-2265</u>
E-mail Address <u>matthews@bigsky.net</u>	E-mail Address <u>Joe.Dossantos@avistacorp.com</u>
Signature _____	Signature _____

Project Funding

319 Funds Requested	\$300,000.00
Matching Funds	
<i>State Match</i>	\$50,000.00
<i>State In-Kind Match</i>	\$5,000.00
<i>Local Match</i>	\$135,000.00
<i>Other Match</i>	\$10,000.00
Total Matching Funds	\$200,000.00
Other Federal Funds	
Total Project Budget	\$500,000.00
Administrative Fee	\$30,000.00

Does the project sponsor have any open 319 contracts? Yes

Project Title East Fork Elk Creek Springer Bank Stabilization

DEQ Contract Number 211073

319 Award \$19,000.00

Projected Closing Date 12/31/2013

Project Title _____

DEQ Contract Number _____

319 Award _____

Projected Closing Date _____

Nonpoint Source (NPS) Information

Functional Category	Vegetation Management/Revegetation
1st Pollution Category	Silviculture (Road Construction/Mainten
2nd Pollution Category	Hydromodification (Removal of Riparian
3rd Pollution Category	
Waterbody Type	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 # MT76N003-040

(1) Waterbody Name from 2012 List of Impaired Waters
Bull River

(1) Probable Cause(s) of Impairment
Sedimentation/siltation

(2) Waterbody Name from 2012 List of Impaired Waters
Dry Creek

(2) Probable Cause(s) of Impairment
Sedimentation/siltation

Activity 1 Name Bull River mainstem riparian re-vegetation

Latitude (1) 48.0301695 N Longitude (1) 115.8450801 W

Activity 2 Name Dry Creek road obliteration

Latitude (2) 48.0301695 Longitude (2) 115.8450801 W

Project Description

Methods: Please describe the specific activities of this project.

Meet with Bull River waterfront property owners to engage them in riparian re-vegetation efforts; design and implement riparian re-vegetation plantings on mainstem Bull River to reduce sedimentation; conduct regular site maintenance/monitoring to ensure plant establishment; obliterate roads on steep areas and sensitive soils in Dry Creek to reduce sediment delivery.

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

1. Implement an aggressive riparian re-vegetation project on a total of 7,894 linear feet along the Bull River mainstem.
2. Engage at least 10 riverfront property owners (private and public) in the riparian re-vegetation project.
3. Remove 4 large culverts and obliterate/re-plant USFS Road 2291 (1.25 road miles) in Dry Creek, a tributary to Bull River.
4. Obliterate USFS Road 1118 (3.5 road miles) in Dry Creek drainage and convert to trail.

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

The proposed project is based on water quality goals and restoration priorities for Bull River and Dry Creek as described in the Lower Clark Fork Watershed Group's approved Watershed Restoration Plan (WRP) for the Lower Clark Fork TMDL Planning Area (2010), the Bull River Watershed Assessment (2001), the Lower Clark Fork Tributaries Sediment TMDL (2010), and the Bull River Watershed Restoration Prioritization Plan Update (2013).

The goal of the proposed project is to improve water quality in Bull River and Dry Creek by reducing sediment loading in the Bull River watershed. By reducing sediment loading, the project helps meet TMDL sediment allocations and WRP objectives to improve the impaired waters of both Bull River and Dry Creek. Our project will implement the top priority restoration action for mainstem Bull River: to restore the complexity, health and function of riparian areas using native shrubs and trees. Riparian re-vegetation has been shown effective in stabilizing eroding stream banks and reducing sedimentation. Our project will also implement a high priority restoration action for Dry Creek: to reduce sedimentation from roads on steep upland slopes and sensitive soils. Road obliteration will remove two problem roads as sources of sediment, which will reduce sediment loading and improve the water quality of Dry Creek and downstream Bull River. Public outreach and pre- and post-project monitoring will be critical components of the project.

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

Pre- and post-project monitoring of riparian re-vegetation will be conducted by the contractor per protocols established in the Re-vegetation Guide for the Lower Clark Fork River Basin. (See Task 3.) The USFS will conduct pre- and post-project monitoring of sediment on the Dry Creek road project.

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

Watershed-wide outreach will occur through a public "Know Your Watershed" workshop, a public/agency partners site tour, and project updates to watershed residents and general public. One-on-one outreach will be targeted toward property owners along the mainstem Bull River who will be informed and encouraged to participate in riparian re-vegetation.

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

Partner	Role
Private Landowners	Provide access to sites along river for re-vegetation to occur
U. S. Forest Service	Provide technical assistance
Avista	Provide technical assistance, cost share and in-kind support
Montana Fish, Wildlife & Parks	Provide technical assistance, cost share and in-kind support

Scope of Work- Outline

Task 1 Title Landowner outreach and engagement

319 Funds	\$5,000.00
Non-Federal Match	\$10,000.00
Other Federal Funds	
Total Cost	\$15,000.00
Timeline	June 2014

Description

A Bull River Watershed public "Know Your Watershed" workshop will kick off the grant project in 2014. The LCFWG Watershed Coordinator will use Sanders County land ownership maps and information from the Bull River Watershed Council to contact landowners with property bordering the river and meet with them one-on-one to encourage participation in the riparian re-vegetation program. A site tour will be held with public/agency partners. Project progress will be reported to watershed residents and the general public throughout the project period.

Task 2 Title Bull River riparian re-vegetation design

319 Funds	\$15,000.00
Non-Federal Match	\$20,000.00
Other Federal Funds	
Total Cost	\$35,000.00
Timeline	June 2014

Description

The LCFWG Board will advertise for and select a qualified re-vegetation contractor. Using maps and assessment data, the contractor and LCFWG will prioritize potential riparian sites; as landowner participation is confirmed, the contractor will perform pre-project site assessments and design a site-specific planting and maintenance plan that maximizes each site's potential for success. The contractor will be responsible for completing all permitting requirements.

Task 3 Title Bull River riparian planting, maintenance and monitoring

319 Funds	\$120,000.00
Non-Federal Match	\$135,000.00
Other Federal Funds	
Total Cost	\$255,000.00
Timeline	June 2014

Description

Planting will be conducted in phases in conjunction with browse and weed control measures and will include native grasses, willow, alder, cottonwood and other native shrub and tree species appropriate for each site. Maintenance will include repairs to weed matting in reed canary grass areas, watering (depending on site) and weeding for one season. Shrub and tree plantings will be monitored through a series of photo-points to visually assess the success of plant growth and vigor, measured annually by height, cover and rate of survival. Additional plantings may be necessary to ensure each site's success.

Task 4 Title Dry Creek road obliteration

319 Funds	\$130,000.00
Non-Federal Match	\$25,000.00
Other Federal Funds	
Total Cost	\$155,000.00
Timeline	June 2015

Description

Road obliteration will reduce sediment loading to Dry Creek and reduce the risk of future mass wasting. Implementation will include removing 4 large culverts and obliterating/re-contouring and planting USFS Road 2291 (1.25 road miles); and obliterating USFS Road 1118 (3.5 road miles) and converting it to a trail, greatly reducing road maintenance costs. Task cost includes project design, contract development and implementation, equipment time and materials.

Task 5 Title Administration

319 Funds	\$30,000.00
Non-Federal Match	\$10,000.00
Other Federal Funds	
Total Cost	\$40,000.00
Timeline	June 2014

Description

The LCFWG Watershed Coordinator will work directly with individual land owners, project contractor(s), agencies and local technical advisors on design plans; implementation and monitoring updates; review of all invoices from contractor(s); and preparation of quarterly, annual and final reports to DEQ and other funders. The coordinator will work closely with the LCFWG bookkeeper on project payables/receivables, budget and financial reporting, and tracking matching funds and in-kind support.

Task 6 Title _____

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Timeline _____

Description

Task 7 Title _____

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Timeline _____

Description

Task 8 Title _____

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Timeline _____

Description

Task 9 Title _____

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Timeline _____

Description

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

This project is a high priority in the LCFWG WRP and will be directly affecting sedimentation described in the 2010 Lower Clark Fork Tributaries TMDL and Watershed Assessment. LCFWG understands that the 3-year timeframe is short for such a comprehensive project, however we have already taken some key steps to complete the project in the proposed timeline. For the Bull River mainstem riparian re-vegetation component, we have successful riparian re-vegetation efforts in the watershed to use as a model, and we have already met with some river front property owners to discuss the benefits of healthy riparian areas. We have planned a landowner meeting for this summer, to be co-sponsored with the Bull River Watershed Council, to begin garnering interest in the re-vegetation program. USFS staff has already prioritized the Dry Creek project and has begun project scheduling.