

**Section I: General Information**

Project Title Upper Lolo Creek Sediment Reduction Project Phase 2: Implementation

**Project Sponsor Information**

Name Clark Fork Coalition Tax Identification Number 36-3428665  
Address 140 S 4th St W Website www.clarkfork.org  
City Missoula State Montana Zip Code 59801 County Missoula  
Primary Contact Jed Whiteley Signatory Karen Knudsen  
Title Project Manager Title Executive Director  
Phone Number 406-531-0256 Phone Number 406-542-0539 ext 203  
Fax Number \_\_\_\_\_ Fax Number \_\_\_\_\_  
E-mail Address jed@clarkfork.org E-mail Address karen@clarkfork.org  
Signature Jed Whiteley Signature Karen Knudsen

**Project Funding**

319 Funds Requested \$80,000.00 Does the project sponsor have any open 319 contracts? Yes  
Matching Funds  
State Cash Match \$71,000.00  
Local Cash Match \$7,000.00  
In-Kind Match \$4,000.00  
Total Match \$82,000.00  
Other Federal Funds \$48,000.00  
Total Project Budget \$210,000.00  
Administrative Fee \$8,000.00  
Project Title Lost Horse Creek Streamflow Enhancement  
DEQ Contract Number 213023  
319 Award \$134,240.00  
Projected Closing Date November 15, 2017  
Project Title Upper Lolo Sediment Reduction Phase 1  
DEQ Contract Number \_\_\_\_\_  
319 Award \$30,000.00  
Projected Closing Date Sep 1, 2016

**Project Location**

Which WRP does this project implement? Lolo Creek What is the status of the WRP? DEQ Accepted  
Does the project address impairments in a TMDL? Yes 12 Digit HUC #(s) 170102051405  
(1) Waterbody Name from 2014 List of Impaired Waters Lolo Creek Activity 1 Name Road decommissioning  
(1) Probable Cause(s) of Impairment to be addressed (ex. metals) Sedimentation/ siltation Latitude (1) 46 40' 10"N Longitude (1) 114 31' 3"W  
(2) Waterbody Name from 2014 List of Impaired Waters \_\_\_\_\_ Activity 2 Name Culvert Removals  
(2) Probable Cause(s) of Impairment to be addressed (ex. metals) \_\_\_\_\_ Latitude (2) 46 40' 10"N Longitude (2) 114 31' 3"W

## Section II: Project Description

**Goals and Objectives:** Describe the overall goal and specific objectives for this project.

Measurable objectives for the project include completing 100% recontouring of 25 miles of forest roads and the removal of 13 culverts, monitor stream cross-sections to access project effectiveness and conduct outreach to educate community members and government agencies about the project. It is the project's goal to measurably reduce sediment in the Upper Lolo Creek TPA as well as opening up many miles of stream to fish for spawning and cold water refugia. The TMDL states that the greatest sources of sediment in Upper Lolo are forest roads and traction sand from Hwy 12. The Lolo Watershed Group currently has an open 319 contract to help address the traction sand issue and this project is directly aimed at addressing sediment from forest roads.

**Methods:** Describe the approach selected to address/correct the problem(s), e.g. types of BMPs to be installed, and other important activities.

The Upper Lolo Sediment Reduction Project will focus on decommissioning forest roads and their associated culverts that are adding sediment to the area streams. Decommissioning of roads will include up to 100% recontouring of topography, slash placement, and revegetation as needed. Sites where culverts are removed will be recontoured to match current stream geomorphology and large woody debris and boulders will be placed for grade control. BMP's will be installed on remaining forest roads.

**Summary:** Provide a brief summary of the project.

In 2009 the Lolo National Forest acquired over 32 sections of forest lands in Upper Lolo Creek that were formerly under Plum Creek ownership through the Montana Legacy Project. Upper Lolo Creek is significantly impacted by sediment generated by forest roads and failing culverts and the Upper Lolo Sediment TIE sets goals of between 33 and 65% load reductions from forest roads. The Plum Creek lands created a checkboard pattern of land ownership in the Upper Lolo basin and until the Montana Legacy Project was finalized the Lolo National Forest was only able to carry out sediment reduction restoration on every other square mile of the area. Project boundaries encompass the upper watershed of Lolo Creek and include the following tributaries: East Fork Lolo Creek, Lost Park Creek, Lee Creek, West Fork Lolo Creek, Granite Creek and North Creek. All of these creeks are listed as critical Bull Trout areas in need of sediment reduction and fish barrier removal in the Forest Service's 2013 "Conservation Strategy for Bull Trout on USFS lands in Western Montana". All restoration activities for this project will take place on USFS property. On the ground activities will start in 2016 and then continue over a 3 year timeline. All project activities are based on the recommendations stated in the Upper Lolo Sediment TMDL Implementation Evaluation (Section 2.0 TMDL-Recommended Activities) and the Lolo Creek Watershed Restoration Plan (Chapter 4- needs in Lolo Creek).

**Monitoring:** Describe the monitoring you will conduct to measure project effectiveness.

CFC will have soil samples from the project area analyzed for nutrients and then determine how much nutrients and sediment the project will eliminate from entering the Upper Lolo system.

**Education and Outreach:** Briefly describe the education and outreach component of this project and the target audience.

CFC plans to work closely with landowners in the watershed, irrigators, the conservation district, state and government agencies to communicate the water quality and fishery benefits associated with this sediment reduction project. Education and Outreach will be carried out through presentations at Lolo Watershed Group community meetings, brochures, articles in the CFC newsletters, and postings to the CFC website. Field trips to project areas will also be carried out.

**Partners and Roles:** Identify the project partners and their roles.

Partner	Role
USFS-Lolo National Forest	Project Landowner- Planning, Design, GIS mapping, Permitting, Inspections
Westslope TU	Project supporter and funds contributor
Lolo Watershed Group	Project supporter and WRP author, involved with E&O on the project
Montana Fish Wildlife and Parks	Project funding through Future Fisheries program and monitors the fishery

### Section III: Scope of Work

Task 1 Title Implementation of Decommissioning of Forest Roads

319 Funds   
Non-Federal Match   
Other Federal Funds   
Total Cost

Timeline July 2016-November 2018

Description

CFC will implement the Upper Lolo Creek Sediment Reduction project in accordance with the designs, permits and other project planning documents obtained under DEQ contract: Upper Lolo Sediment reduction Phase 1". CFC will be responsible for procurement and oversight of construction contractor. Contractor shall document implementation activities by providing the deliverables identified below.

Task 2 Title Monitoring

319 Funds   
Non-Federal Match   
Other Federal Funds   
Total Cost

Timeline July 2016-November 2018

Description

CFC will complete monitoring in accordance with the SAP prepared for Task 2. CFC will summarize all data in an annual report to DEQ at the end of each monitoring season and submit using the most current upload process.

Task 3 Title Conduct Project Education and Outreach

319 Funds   
Non-Federal Match   
Other Federal Funds   
Total Cost

Timeline July 2016-November 2018

Description

CFC plans to work closely with landowners in the watershed, irrigators, the conservation district, state and government agencies to communicate the water quality and fishery benefits associated with this sediment reduction project. Education and Outreach will be carried out through presentations at Lolo Watershed Group community meetings, brochures, articles in the CFC newsletters, and postings to the CFC website.

Task 4 Title Project Administration

319 Funds   
Non-Federal Match   
Other Federal Funds   
Total Cost

Timeline July 2016-November 2018

Description

Proper budgeting for administration costs will ensure that we have the necessary support to meet the terms of the grant and maintain proper accounting and reporting for the DEQ 319 program.

Task 5 Title \_\_\_\_\_

319 Funds   
Non-Federal Match   
Other Federal Funds   
Total Cost

Timeline \_\_\_\_\_

Description

Task 6 Title \_\_\_\_\_

319 Funds

Description

Non-Federal Match

Other Federal Funds

Total Cost

Timeline \_\_\_\_\_

Task 7 Title \_\_\_\_\_

319 Funds

Description

Non-Federal Match

Other Federal Funds

Total Cost

Timeline \_\_\_\_\_

Task 8 Title \_\_\_\_\_

319 Funds

Description

Non-Federal Match

Other Federal Funds

Total Cost

Timeline \_\_\_\_\_

Task 9 Title \_\_\_\_\_

319 Funds

Description

Non-Federal Match

Other Federal Funds

Total Cost

Timeline \_\_\_\_\_

Comments: Use the space provided for any additional information that may not have been captured elsewhere in this proposal form.

CFC brings an experienced technical and grant management team to this project and a proven track record of administration and performance on government funded grants during its 29 year history. The project will be led by CFC's Bitterroot project manager Jed Whiteley. Jed has been involved in over \$1 million dollars of road decommissioning work in Western Montana and the Idaho Panhandle and is currently overseeing the \$500,000 Lost Horse Siphon project including the administration of all the grant funding from 5 separate government sources. He has managed over \$3 million/year of restoration projects as a PM in the private sector and is Rosgen Level III certified with 14 years experience in heavy equipment stream restoration. On the administrative end Jed will be backed by CFC's Development and Communications director and CFC's grant administrator.