



Section 319 Grant - Project Proposal Form

8/14/13

FY2014 Project Proposals are due Friday July 26, 2013

Project Title Sediment Reduction in Lolo Creek Watershed

Project Sponsor Information

Name	<u>Lolo Watershed Group</u>	Tax Identification Number	<u>42-1664057</u>
Address	<u>PO Box 1354</u>	Website	
City	<u>Lolo</u>	State	<u>Montana</u>
		Zip Code	<u>59847</u>
		County	<u>Missoula</u>
Primary Contact	<u>Roberta A Bartlette</u>	Signatory	<u>Roberta A. Bartlette</u>
Title	<u>President</u>	Title	<u>President</u>
Phone Number	<u>406-273-0652</u>	Phone Number	<u>406-273-0652</u>
Fax Number		Fax Number	
E-mail Address	<u>lolotrailbritts@bresnan.net</u>	E-mail Address	<u>lolotrailbritts@bresnan.net</u>
Signature		Signature	

Project Funding

319 Funds Requested	<input type="text" value="\$70,000.00"/>
Matching Funds	
State Match	<input type="text" value="\$10,000.00"/>
State In-Kind Match	<input type="text" value="\$20,000.00"/>
Local Match	<input type="text" value="\$24,000.00"/>
Other Match	<input type="text"/>
Total Matching Funds	<input type="text" value="\$54,000.00"/>
Other Federal Funds	<input type="text" value="\$0.00"/>
Total Project Budget	<input type="text" value="\$124,000.00"/>
Administrative Fee	<input type="text" value="\$7,000.00"/>

Nonpoint Source (NPS) Information

Functional Category	<input type="text" value="Sediment Control"/>
1st Pollution Category	<input type="text" value="Urban Runoff/Stormwater (Highway/Road)"/>
2nd Pollution Category	<input type="text" value="Silviculture (Road Construction/Maintenance)"/>
3rd Pollution Category	<input type="text" value="Turf Management (Yard Maintenance)"/>
Waterbody Type	<input type="text" value="River/Stream"/>

Project Location

Which WRP does this project implement?	<input type="text" value="Lolo"/>
What is the status of the WRP?	<input type="text" value="DEQ Accepted"/>
Does the project implement a TMDL?	<input type="text" value="Yes"/>
Watershed Name or HUC #	<u>Lolo Creek Watershed, Montana</u>

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

(1) Probable Cause(s) of Impairment
Sediment

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

(2) Probable Cause(s) of Impairment
Highway maintenance, Forest Road

Activity 1 Name	<u>Sediment Reduction</u>		
Latitude (1)	<u>46.172</u>	Longitude (1)	<u>-114.533</u>
Activity 2 Name			
Latitude (2)		Longitude (2)	

Does the project sponsor have any open 319 contracts?

Project Title _____

DEQ Contract Number _____

319 Award _____

Projected Closing Date _____

Project Title _____

DEQ Contract Number _____

319 Award _____

Projected Closing Date _____

Project Description

Methods: Please describe the specific activities of this project.

Reduce sediment transfer to Lolo Creek from Highway 12 maintenance activities through use of riparian plantings on rip rap slopes; Determine costs and develop plans for stream bank stabilization on private ownerships with significant bank erosion; Monitor for sediment reduction from plantings on rip rap slopes and other indicators of stream health; Educate and inform public, landowners, and other stream users through meetings, mailing, and public displays; Evaluate Upper Lolo TMDL project implementation.

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

Reduce TMDL through sediment load reduction
** establish riparian buffer on both agricultural land and highway easement rip rap (distance of rip rap planted)
** develop plans for 2-4 private properties with rapidly eroding stream banks
** monitor sediment and other indicators of stream health at 6-12 key locations to determine success of sediment reduction projects ** educate landowners to value of riparian buffer and sediment reduction through 4-6 public meetings/tours ** list completed projects and remaining work to meet TMDL in Upper Lolo TMDL Planning Area

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

The Lolo Watershed is characterized by a variety of uses from silviculture, transportation, agriculture, and residential development. With this in mind, The Lolo Watershed Restoration Plan highlights the need for sediment reduction to attain water quality standards to levels that support all designated beneficial water uses as identified by DEQ (in the Water Quality Restoration Plan - for Lolo Creek TMDLs). Continued mitigation of sediment delivery by logging roads, Highway 12 maintenance and vegetation management of private ownerships. The resulting sediment from the activities above can be reduced through targeted riparian planting, and education and outreach. Water monitoring the progress and success of the plantings will provide data and results to showcase sediment reduction and stream health improvement.

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

Lolo Watershed Group will contract with the Watershed Education Network (WEN) for water monitoring parameters to be measured before (early April), during (late April) and after the riparian plantings on rip rap areas. Additionally, WEN will provide the data and their observations at public meetings. Lolo Watershed Group will also contract with Zach Crete of Crete Biological Services for essential aquatic life sampling on Lolo Creek to provide measurements of sediment reduction project success.

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

Conduct a series of public meetings, and provide information through mailings, displays and tours highlighting successful sediment reduction projects and areas still needing further work in the Lolo Creek Watershed.

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

Partner	Role
Montana Department of Transportation	Identify sites for riparian vegetation planting and supervise plant projects
Lolo National Forest	Provide updates on completed work as identified in DEQ TMDL documents
Watershed Education Network (WEN)	Provide water monitoring, data and information to LWG throughout the project
Crete Biological Services	Provide macroinvertebrate and diurnal stream temperature sampling and results

Scope of Work Outline

Task 1 Title Plant vegetation on riprap slopes adjacent to Highway 12

319 Funds	<input type="text" value="\$30,000.00"/>	Description Use mechanized planting (stinger/excavator) to place riparian shrub cuttings into the lower third of rip rap slopes adjacent to Highway 12. Cuttings will be gathered along Lolo Creek by volunteers in the near vicinity of planting sites. Cuttings will be stored in cool, shaded staging areas until planting dates. Montana Department of Transportation will assist in site selection and supervise shrub planting.
Non-Federal Match	<input type="text" value="\$30,000.00"/>	
Other Federal Funds	<input type="text"/>	
Total Cost	<input type="text" value="\$60,000.00"/>	
Timeline	<input type="text" value="April 2014 - June 2014"/>	

Task 2 Title Scope Sediment Reduction Project Needs on Private Ownerships

319 Funds	<input type="text" value="\$5,000.00"/>	Description Determine costs of mitigating streambank erosion on identified private properties by developing stabilization plans with details of methods and costs.
Non-Federal Match	<input type="text" value="\$2,000.00"/>	
Other Federal Funds	<input type="text"/>	
Total Cost	<input type="text" value="\$7,000.00"/>	
Timeline	<input type="text" value="April 2014 - December 2015"/>	

Task 3 Title Monitor Lolo Creek for sediment reduction

319 Funds	<input type="text" value="\$15,000.00"/>	Description Watershed Education Network (WEN)'s Stream Team will engage in monthly monitoring for flow, x-section, grid toss, pebble count, turbidity, conductivity - to determine the the annual sediment load reductions achieved by the project. Additional parameters will be sampled for including pH, dissolved oxygen temperature, and plant surveys using standardized water monitoring protocols in order to detect any additional effects or results. Zach Crete, Crete Biological Services will sample the macro-invertebrates and temperature key locations for sediment reduction success from the project in the Lolo Creek Watershed. This data will be entered into the DEQ databases.
Non-Federal Match	<input type="text" value="\$7,000.00"/>	
Other Federal Funds	<input type="text"/>	
Total Cost	<input type="text" value="\$22,000.00"/>	
Timeline	<input type="text" value="April 2014 - December 2015"/>	

Task 4 Title Outreach and Education

319 Funds	<input type="text" value="\$10,000.00"/>	Description Conduct a series of informational mailings, public meetings, prepare displays to be used at facilities such as Travelers Rest State Park , USFS recreational sites and public schools. Outreach and education will focus on methods and value of riparian vegetation in reducing sediment in Lolo Creek.
Non-Federal Match	<input type="text" value="\$5,000.00"/>	
Other Federal Funds	<input type="text"/>	
Total Cost	<input type="text" value="\$15,000.00"/>	
Timeline	<input type="text" value="April 2014 - December 2015"/>	

Task 5 Title Evaluate progress toward TMDL guidelines in Upper Lolo Creek

319 Funds	<input type="text" value="\$10,000.00"/>	Description Contact US Forest Service and Plum Creek Timber to determine project completion as listed in the 2011 Upper Lolo Creek Sediment TMDL Implementation Evaluation.
Non-Federal Match	<input type="text" value="\$5,000.00"/>	
Other Federal Funds	<input type="text"/>	
Total Cost	<input type="text" value="\$15,000.00"/>	
Timeline	<input type="text" value="July 2015-December 2015"/>	

Task 6 Title Contract Administration

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319 Funds
Non-Federal Match
Other Federal Funds
Total Cost

Description
Prepare and submit annual and final reports. Prepare and submit reimbursement requests. Provide office space, equipment and supplies; overhead costs, expense and budget tracking, phone and copy expenses, and insurance.

Timeline April 2014-December 2015

Task 7 Title _____

319 Funds
Non-Federal Match
Other Federal Funds
Total Cost

Description

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.

The Lolo Watershed Group will be working cooperatively with private and public landowners and commercial owners to achieve our goals. Our projects will include work with the several cooperators listed as well as individual contractors such as specialists in streambank restoration and riparian planting for design and implementation. The projects listed will include the full length of Lolo Creek, from its headwaters to the confluence with the Bitterroot River. Public meetings will include public school student reports for data collected in their special projects under the guidance of the Watershed Education Network.

Signature page will follow by hard copy sent through US mail.