

Section I: General Information

Project Title Blackfeet 1 Mine Reclamation and Sediment/Metals Reduction

Project Sponsor Information

Name	<u>Trout Unlimited</u>	Tax Identification Number	<u>38-1612715</u>
Address	<u>111 N Higgins Ave, Suite 500</u>	Website	<u>www.tu.org</u>
City	<u>Missoula</u>	State	<u>Montana</u>
		Zip Code	<u>59802</u>
		County	<u>Missoula</u>
Primary Contact	<u>Rob Roberts</u>	Signatory	<u>Rob Roberts</u>
Title	<u>Project Manager</u>	Title	<u>Project Manager</u>
Phone Number	<u>406-541-1195</u>	Phone Number	<u>406-541-1195</u>
Fax Number	<u></u>	Fax Number	<u></u>
E-mail Address	<u>rroberts@tu.org</u>	E-mail Address	<u>rroberts@tu.org</u>
Signature	<u></u>	Signature	<u></u>

Project Funding

319 Funds Requested	<u>\$20,000.00</u>	Does the project sponsor have any open 319 contracts?	<u>Yes</u>
Matching Funds		Project Title	<u>Little Blackfoot WRP</u>
State Cash Match	<u></u>	DEQ Contract Number	<u>215043</u>
Local Cash Match	<u></u>	319 Award	<u>\$12,629.00</u>
In-Kind Match	<u>\$13,333.00</u>	Projected Closing Date	<u>June 30, 2016</u>
Total Match	<u>\$13,333.00</u>	Project Title	<u></u>
Other Federal Funds	<u></u>	DEQ Contract Number	<u></u>
Total Project Budget	<u>\$33,333.00</u>	319 Award	<u></u>
Administrative Fee	<u></u>	Projected Closing Date	<u></u>

Project Location

Which WRP does this project implement?	<u>Little Blackfoot River</u>	What is the status of the WRP?	<u>Under Development</u>
Does the project address impairments in a TMDL?	<u>Yes</u>	12 Digit HUC #(s)	<u>170102010507</u>
(1) Waterbody Name from 2014 List of Impaired Waters	<u>Little Blackfoot River</u>	Activity 1 Name	<u>Blackfeet Mine Reclamation</u>
(1) Probable Cause(s) of Impairment to be addressed (ex. metals)	<u>Metals, Sediment</u>	Latitude (1)	<u>46.4707</u>
(2) Waterbody Name from 2014 List of Impaired Waters	<u></u>	Longitude (1)	<u>112.4255</u>
(2) Probable Cause(s) of Impairment to be addressed (ex. metals)	<u></u>	Activity 2 Name	<u></u>
	<u></u>	Latitude (2)	<u></u>
	<u></u>	Longitude (2)	<u></u>

Section II: Project Description

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

The goal of the project is to complete a mine reclamation project that is impairing water quality in the Little Blackfoot River watershed.

The objectives of the project are to:

- Reduce metals contributions to the Little Blackfoot River watershed.
- Reduce sediment contributions to the Little Blackfoot River watershed.

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

TU will:

- determine the magnitude and extent of metals concentration from waste rock in soil.
- delineate the magnitude of metals concentrations from waste rock in surface water.
- develop accurate estimates of the volume and area of waste rock that requires reclamation.
- determine the magnitude and extent of sediment contribution to the Little Blackfoot River.

Summary: Provide a brief summary of the project.

The Blackfoot 1 Mine Site is located on the banks of the Upper Little Blackfoot River south of Elliston, Montana. The site is located on private land and consists of a historical lodeout approximately 150 feet long. Unvegetated waste rock has been piled approximately 20 feet high and is continually eroding into the Little Blackfoot River

Trout Unlimited proposed to initiate the planning process for a project that would remove the waste rock from the floodplain, contain the material in an off-site repository, and reconstruct the streambank to eliminate sediment and metals sources and establish native riparian vegetation.

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

TU will develop monitoring protocols for sediment and metals at the site and conduct pre project sampling.

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

Volunteers from the Pat Barnes TU Chapter in Helena will participate in post-project revegetation activities.

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

Partner	Role
Montana DEQ Mine Waste Cleanup Bureau	Technical Advisor
Helena National Forest	Technical Advisor

Section III: Scope of Work

Task 1 Title Project Planning

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Timeline 10/1/2015 - 6/30/2016

Description

Initiate development of a mine reclamation and streambank reconstruction project on the Little Blackfoot River. Compile existing data on the mine site, including development of historical narrative and ownership lineage. Develop project scope and coordinate with landowners and partners.

Task 2 Title Blackfeet 1 Metals Investigation

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Timeline 11/1/2015 - 6/30/2016

Description

Determine magnitude and extent of metals concentration from waste rock in soil. Delineate the magnitude of metals concentrations from waste rock in surface water. Develop accurate estimates of the volume and area of waste rock that requires reclamation.

Task 3 Title Blackfeet 1 Sediment Investigation

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Timeline 11/1/2015 - 6/30/2016

Description

Determine the magnitude and extent of sediment contribution to the Little Blackfoot River.

Task 4 Title Project Administration

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Timeline 10/1/2015 - 6/30/2016

Description

Oversee and be accountable for the completion of all tasks. Prepare and submit attachment B-billing statements, status reports, annual reports, and a final report. Maintain regular contact as defined by the DEQ project manager.

Task 5 Title _____

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Timeline _____

Description

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