

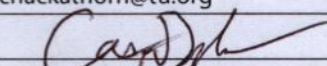
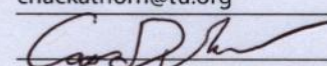
Section 319 Grant - Project Proposal

8/14/12

Project Proposals are due Friday July 27, 2012

Project Title Upper Little Blackfoot River - Metals Restoration Strategy

Project Sponsor Information

Name	<u>Trout Unlimited</u>	Tax Identification Number	<u>38-1612715</u>
Address	<u>111 N Higgins, 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>Casey Hackathorn</u>	Signatory	<u>Casey Hackathorn</u>
Title	<u>Upper Clark Fork Coordinator</u>	Title	<u>Upper Clark Fork Coordinator</u>
Phone Number	<u>406-541-1194</u>	Phone Number	<u>406-541-1194</u>
Fax Number	<u>406-543-6080</u>	Fax Number	<u>406-543-6080</u>
E-mail Address	<u>chackathorn@tu.org</u>	E-mail Address	<u>chackathorn@tu.org</u>
Signature		Signature	

Project Funding

319 Funds Requested \$20,000.00

Matching Funds

State Match	<u></u>
State In-Kind Match	<u></u>
Local Match	<u>\$13,300.00</u>
Other Match	<u>\$10,000.00</u>

Total Matching Funds \$23,300.00

Other Federal Funds

Total Project Budget \$43,300.00

Advance Requested* Administrative Fee \$2,000.00

*Advances require additional justification and DEQ approval.

Does the project sponsor have any open 319 contracts? Yes

Project Title Ninemile Creek WRP and Josephine Creek

DEQ Contract Number 212059

319 Award \$38,400.00

Projected Closing Date December 31, 2013

Project Title

DEQ Contract Number

319 Award

Projected Closing Date

Nonpoint Source (NPS) Information

319 Project Category Watershed Restoration

Functional Category Water Quality Problem Identification

1st Pollution Category Resource Extraction (Abandoned Mine)

2nd Pollution Category Resource Extraction (Mine Tailings)

3rd Pollution Category Resource Extraction (Placer Mining)

Waterbody Type River/Stream

Is waterbody on the 2012 Impaired Waters List? Yes

Project Location

Statewide ☐ *If project is not statewide, please complete the rest of this section.*

Does project implement a TMDL? Yes

Watershed Name or HUC # Little Blackfoot River

TMDL Planning Area Little Blackfoot River

Project 1 Name Upper Little Blackfoot River

Latitude (1) 46.55734 Longitude (1) -112.40931

Project 2 Name

Latitude (2) Longitude (2)

Project 3 Name

Latitude (3) Longitude (3)

Project 4 Name

Latitude (4) Longitude (4)

Project Description

Methods: Please describe the specific activities of this project.

Trout Unlimited will prepare a Metals Restoration Strategy for the Upper Little Blackfoot River which will: 1) develop a plan for further source assessment and analysis of metals delivery pathways; 2) prioritize abandoned mine cleanup projects to implement the completed metals TMDLs for the Upper Little Blackfoot River; and, 3) be able to be incorporated into the future Watershed Restoration Plan for the Little Blackfoot River TMDL Planning.

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

There are two objectives for the development of the Metals Restoration Strategy for the Upper Little Blackfoot River: 1) Engage stakeholders in the Upper Little Blackfoot River watershed in a collaborative planning process; and, 2) develop plans for further analysis and project implementation that will lead to water quality improvement activities at abandoned mine sites in the Upper Little Blackfoot watershed.

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

Mining in the Little Blackfoot River watershed started in the 1860s on gold bearing placers and progressed to lode deposits in the 1900s. Most of the mining activity in the watershed focused around the Ellison District, which is about 20 miles west of Helena and south of the town of Elliston. Many of the waterbodies in this area have metals listings on the 2010 303(d) list, including Monarch Creek, Telegraph Creek, Ontario Creek and the mainstem Upper Little Blackfoot River. Although outside of this particular mining area, Dog Creek is also listed for metals. The majority of the abandoned mine sites contributing to these metal listings are located on the Helena National Forest.

The Little Blackfoot River TMDL document states that "achieving the metals reduction goals presented in this plan will mostly rely on abandoned mine reclamation" (pg. 2). The document goes on to list a primary goal of future restoration work: "Identify, prioritize and select response and restoration actions based on a comprehensive source assessment and streamlined risk analysis of area affected by historical mining.

Therefore, Trout Unlimited proposes to work with the Helena National Forest, the Montana Department of Environmental Quality's Mine Waste Cleanup Bureau and other stakeholders to put together a Metals Restoration Strategy for the Upper Little Blackfoot River which will guide and prioritize future source assessments, sampling and analysis efforts and water quality improvement activities.

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

The monitoring component of the project will include a prioritized plan for future sampling and analysis efforts, including efforts to identify and prioritize metals delivery pathways within subwatersheds and site specific sampling plans to develop mitigation plans.

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

As part of this project, TU will meet with and involve local conservation districts, watershed groups and other community organizations to identify concerns of other stakeholders and educate members of the Little Blackfoot River watershed about the development of the Metals Restoration Strategy.

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

Partner	Role
Helena National Forest	Planning and technical assistance
Montana DEQ	Planning and technical assistance
Montana Fish, Wildlife and Parks	Monitoring and technical assistance
Private landowner	Project implementation and agreements

Scope of Work- Outline

Task 1 Title Develop a plan for further analysis of site specific metals delivery pathways in the Upper Little Blackfoot River

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Timeline July 2013 - June 2014

Description

The metals listings for waterbodies in the Little Blackfoot River TPA are based on limited sampling efforts and locations. Some of the waterbodies have also been investigated in other reports and sampling studies. There is a demonstrated need for an evaluation of existing data/information, identification of data gaps and collaboration with partnering organizations and development of assessment goals for targeting and monitoring design. The ultimate objective is the preliminary targeting of waterbodies for detailed investigation, development of plans for further analysis where information is insufficient, and identification of the primary causes of pollutants.

Task 2 Title Prioritize abandoned mine cleanup projects to implement the completed metals TMDLs for the Upper Little Blackfoot River

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Timeline June 2014 - November 2015

Description

The Montana Bureau of Mines and Geology lists 468 abandoned mines on the Helena National Forest. While not all of these mines are serious problems for water quality or located in the Upper Little Blackfoot River, there is a recognized need for partnering organizations to prioritize site specific data collection and analysis and future cleanup efforts. TU will work with partners to develop priorities for site analysis, cleanup actions and plans to provide staff capacity and funding for these water quality improvement projects.

Task 3 Title Monitoring

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Timeline November 2015- July 2016

Description

The monitoring component of the project will include a prioritized plan for future sampling and analysis efforts, including efforts to identify and prioritize metals delivery pathways within subwatersheds and site specific sampling plans to develop mitigation plans.

Task 4 Title Education and Outreach

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Timeline July 2013 - July 2016

Description

As part of this project, TU will meet with and involve local conservation districts, watershed groups and other community organizations to identify concerns of other stakeholders and educate members of the Little Blackfoot River watershed about the development of the Metals Restoration Strategy.

Task 5 Title Contract Administration

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Timeline July 2013 - July 2015

Description

Grant administration including contracting and reporting.

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.