

Section 319 Grant - Final Application

Final Applications are due Monday, October 1, 2012

	Section I: 0	General Information	
Project Title Watershe	d Restoration Plan Implementation, E	ducation and Outreach	
	Project S	ponsor Information	
Sponsor Name Bitter Roo	ot Water Forum (1 poleo (2 horoson)	20.03E	Tax Identification # 43-2000515
County Ravalli	Website www.brwate	erforum.org	DUNS # 148485423
Primary Contact Heather	Mullee	Signatory Dave Schul	tz sec zż sec zż
Title Executive Dire	ector	Title BRWF Boar	d President par had spelore late
Address PO Box 1247	319 Award	Address PO Box 124	17 sinimbA Paguested* Adminis 71
City Hamilton	State Montana Zip Code 59840	City Hamilton	State Montana Zip Code 59840
Phone Number 406-37	25-2272	Phone Number 406	i-375-2272
Fax Numbern/a	oment Comunities to choose project	Fax Number n/a	ethods: Piease describe the sperfiic activi WF will work with the ad-hoc Watershad
E-mail Address brwate	erforum@bitterroot.net	E-mail Address brw	vaterforum@bitterroot.net
Signature 4	restella	Signature la	all Selul
(2) 50	s polong sulf to treamsveirbe salt s Pr	oject Location	Server Please close the the specificions
ons and opportunities	Develops a TMDL Implem C # Bitterroot Headwaters	entation Plan TMDL Planning Area	Bitterroot Headwaters
Project 1 Name Ca	meron Creek	Latitude (1) 45.85	Longitude (1) -113.97
Project 2 Name Hu	ghes Creek 15 and of 50 idnos bits 5	Latitude (2) 45.63	Longitude (2) -114.17
Project 3 Name Me	eadow Creek	Latitude (3) 45.82	Longitude (3) -113.81
The Bench ingo trade	erwhich Creek	Latitude (4) 45.66	Longitude (4) -114.18
Project 5 Name	projects to improve water quality in t and initial input from community stake	Latitude (5)	Longitude (5)
Cthe coming years. This Acting inmediately on	C) 6915 2006) 9 Option (LANGE 1900) Jan	ource (NPS) Information	termined that emphasis on the headwat oject is designed to make tangible groom
319 Project Category	Watershed Restoration	Waterbody Type	River/Stream
Functional Category	Riparian Projects wheat advantage	Is waterbody on the 20	10 Impaired Waters List? Yes
1st Pollution Category		tion regarding NPS pollution, stanting in input), project days and si (se	
2nd Pollution Category	Hydromodification (Removal of Rip	igelio sei hav esistamioggo hole	Percent of Total (%) 30
3rd Pollution Category	Hydromodification (Channel Erosio		Percent of Total (%) 20
4th Pollution Category	Silviculture (Road Construction/Ma	intenance)	Percent of Total (%) 20 Page 1 of

			
319 Funds Requested	\$18,950.00	Does the project sponsor ha	ave any open 319 contracts? Yes
Matching Funds		Project Title Bitterroot W	atershed Restoration Planning
State Match		DEQ Contract Number	212054
State In-Kind Matcl	h \$1,750.00	319 Award	\$21,000.00
Local Funds			
Other Match	\$12,250.00	Projected Closing Date	June 30, 2013
Total Matching Funds	\$14,000.00	Project Title	
Other Federal Funds	\$3,250.00	DEQ Contract Number	
Total Project Budget	\$36,200.00	319 Award	
Advance Requested*	Administrative Fee \$1,700.00		
*Advances require additional justification ar	nd DEQ approval.	Projected Closing Date	

Project Funding

Project Description

Methods: Please describe the specific activities of this project.

BRWF will work with the ad-hoc Watershed Restoration Plan (WRP) Development Committee to choose project area(s) ripe for design and implementation from the recently completed WRP. BRWF will then contract with a local ecological restoration company to prepare project design(s) based on those recommendations. Additional project activities will include volunteer days and site visits to "Cameron Creek Revegetation and Fencing", a restoration project to be completed in the Bitterroot headwaters in summer 2013, to provide education and information regarding NPS pollution.

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

Specific and measurable objectives include, 1) the development of no less than two designs for watershed restoration projects based on recommendations and findings from our newly developed WRP, ensuring rapid progress towards reaching the WRP's 5 year goals, 2) a minimum of two volunteer days to assist with project implementation on restoration sites in the headwaters to give citizens hands-on experience enacting real and positive solutions to local NPS pollution issues, 3) a minimum of one site visit to inform local citizens, Conservation District supervisors, and other interested stakeholders about NPS pollution issues, potential solutions and opportunities available to address impairments on the local level.

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

Because BRWF wants to make immediate and tangible progress on our WRP and continue to build momentum to address NPS pollution in the Bitterroot headwaters, the intention of this project is two pronged: 1) to immediately act on recommendations outlined in our WRP so that we do not wait one full year to receive funding and stall progress towards identified goals, 2) to provide information regarding NPS pollution and potential solutions through handouts, presentations, and access to on the ground projects addressing NPS pollution issues through strategic action.

BRWF has been working closely with DEQ to develop long term plans and projects to improve water quality in the headwaters and mainstem of the Bitterroot River. Based on recommendations from DEQ and initial input from community stakeholders, BRWF has determined that emphasis on the headwaters and their tributaries is the most critical and tangible focus area for the coming years. This project is designed to make tangible progress in expedient implementation of recommendations from the WRP. Acting immediately on a design from the recently adopted WRP will allow is to make important progress towards short-term goals, ensuring the development of the plan is constructive and the plan does not get "shelved".

Organizing volunteer days and site visits to a revegetation and fencing project in the headwaters will give people tangible information regarding NPS pollution. Whereas information regarding NPS pollution, specifically TMDLs, is often difficult to understand and seemingly "out of our hands" (source: citizen input), project days and site visits show people that there is something that can be done locally to address these issues. These outreach opportunities will be coupled with information in press releases, newsletters, and emails, to give people a multifaceted look at NPS pollution issues and potential solutions.

Section II: Background Information

A: Statement of Need and Intent

In collaboration with the Montana Department of Environmental Quality, BRWF chose to pursue the development of a WRP to strategically address NPS issues in the Bitterroot watershed. Based on TMDLs and the Bitterroot Subbasin Plan for Fish and Wildlife Conservation, enough data exists to begin planning actions to remedy NPS pollution in subwatersheds. The WRP that we are currently developing will give us the foundation to strategically take action to combat these issues. Funding to implement recommendations from this plan will result in immediate and tangible progress towards measurable goals as defined in the WRP. Additionally, providing opportunities for hands-on experience with NPS pollution and solutions through volunteer project days and site visits will help build upon momentum created through watershed restoration planning and project implementation on Cameron Creek. If we can continue to focus time and energy on these projects and plans, we can use this momentum to move more people to act on NPS pollution issues in their backyard.

Through ongoing coordination on our WRP with our contract manager, Laura Anderson-from development goals to timelines and benchmarks--we are on pace to have a completed and approved WRP by July 2013. Since we are working directly with Laura as questions arise and plan to submit draft plans as we move towards completion, our final plan will have preliminary pre-approval from DEQ allowing for a smooth transition from the WRP into design work.

A clear need exists to address temperature and sediment impairments in the headwaters. The Ravalli County Resource Advisory Council recognizes this and approved BRWF's application for "Cameron Creek Revegetation and Fencing to Improve Stream Temperatures" in September 2012. This project will increase the effectiveness of that restoration effort by enhancing the education and outreach components through volunteer work days and site visits to the project area, giving people a firsthand and experiential understanding of ways to address NPS pollution.

B: Collaborative Effort

Partner	Role
Montana Fish, Wildlife & Parks	Assisting in prioritization of proposed project areas; helping to identify landowners ready to engage in project design.
Bitterroot National Forest	Assisting in prioritization of proposed project areas; providing information on related Forest Service activities which may aid in project selection.
Geum Environmental Consulting	Consultants will help vet potential project areas to determine viability of proposed sites/ projects in their ability to achieve sediment and thermal load reductions.
Trout Unlimited	Assisting in prioritization of proposed project areas.

Additional Information (Collaborative Effort)

The need for prioritization in watershed restoration efforts has been identified by the Bitterroot Conservation Partnership (BCP)*, a local collaborative dedicated to increasing conservation efforts in the Bitterroot Valley. Members of the BCP will be involved in the development of the WRP and will be reengaged through this project to help choose project area(s) for design and to partake in volunteer project days and site visits, helping BRWF reach a larger community with E&O opportunities through their members/ supporters.

*BCP includes representatives from Audubon, Bitterroot Conservation District, Bitterroot National Forest, Bitter Root Land Trust, Clark Fork Coalition, Five Valleys Land Trust, MT Fish, Wildlife & Parks, Trout Unlimited, and other area groups.

Funding Organization	Award Amount	Project Description	Project Status	Contact Information
Montana Department of Environmental Quality	21,000	Development of a Watershed Restoration Plan. Work with local stakeholders to develop a prioritization process to rank restoration needs in the Bitterroot watershed; gather and analyze existing data regarding NPS pollution in the Bitterroot from TMDLs and the Bitterroot Subbasin Plan; determine NPS management measures needed to achieve reductions	Active; on track to be completed in June 2012	Laura Anderson. 406-444-0549 1520 E. 6th Ave. Helena, MT LAndersen3@mt.gov
Bitterroot National Forest (Ravalli County Resource Advisory Council)	55,750	"Cameron Creek Revegetation and Fencing to Improve Stream Temperatures" Install 11,000 feet of riparian fencing to keep cattle out of the creek; plant 1,500 native shrubs to restore natural state of vegetation; install 955 feet of coir logs to promote establishment of vegetation; install 1,000 live willow cuttings; deposit three large woody debris structures to enhance habitat.	Grant approved; official contract award pending.	Joni Lubke Executive Assistant Bitterroot National Forest 406-363-7182 jmlubke@fs.fed.us
Bitterroot National Forest (Ravalli County Resource Advisory Council)	30,000	"Threemile Creek" is a continuation of two previous RAC projects addressing sedimentation and habitat issues in Threemile Creek. The goal of the project is to improve water quality and riparian and aquatic habitat for aquatic life in Threemile Creek by stabilizing stream morphology, reducing erosion and removing sediment and nutrient sources.	Complete	Matt Gordon Grants and Agreements Bitterroot National Forest 406-363-7140 1801 N. 1st St Hamilton, MT mgordon@fs.fed.us
Montana Department of Environmental Quality	30,000	Identified and designed three streambank stabilization projects to address excess sediment delivery to the East and/or West Forks on private land; conducted East and West Fork Bitterroot River Stream Road Crossing Inventory; received assessment analysis from the Bitterroot National Forest	Complete	Laura Anderson. 406-444-0549 1520 E. 6th Ave. Helena, MT LAndersen3@mt.gov
Montana Department of Environmental Quality	60,000	Formed a Water Quality Implementation Team to identify and prioritize restoration projects; designed restoration projects for the East Fork; hired contractors to conduct low flow nutrient monitoring on tributaries within TMDL planning area; informed the public about the benefits of restoring areas of the Bitterroot headwaters	Complete	Laura Anderson. 406-444-0549 1520 E. 6th Ave. Helena, MT LAndersen3@mt.gov

Additional Information (Planning and Management)

BRWF has a strong track record of engaging community stakeholders, and planning and implementing on the ground restoration projects. BRWF will continue to build on past successes and increase its effectiveness by expanding it's Project Committee's membership base, talent pool, and duties.

Section III: Project Components

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

Education and outreach for this project will include volunteer project days, site visits, informational handouts, community presentations, and more broad efforts including the use of media outlets to help spread information.

Volunteer days will not only assist landowners and ranch managers on Cameron Creek in completing revegetation projects, they will provide a firsthand look at voluntary actions that can improve stream conditions. It is critical to get people engaged in these activities so that solutions seem tangible and people feel that they can make a difference in their watershed. BRWF will reach out to a large audience to garner volunteers, including outreach to member lists from partner organizations, so that we can widely share information regarding NPS pollution. Our target audience of interested volunteers will receive additional and more on-depth information as well as instruction on how to implement BMPs for restoring riparian habitat.

Our site visits will provide similar firsthand experiences of riparian BMPs but will target those who are interested in restoration projects and techniques, including Conservation District supervisors, Realtors, riparian landowners, and local environmental contractors/ engineers.

The more broad efforts to include the larger community in watershed health through education will include press releases, newsletter articles, and facebook updates regarding our progress and proposed projects.

C: Operation and Maintena

c. operation and maintenance
Based on my understanding of the Operations & Maintenance requirements outlined in 4.1.5 of the FY13 Call for Grant Applications, there is no specific activity related to O&M for this project.
and the is no specime detail, it is a sain for any project.
D: Monitoring: Please briefly describe the monitoring component of this proposal.
Based on my understanding of the Monitoring requirements outlined in 4.1.3 of the FY13 Call for Grant Applications, there is no specific activity related to Monitoring for this specific project

We will track and report the amount of volunteers reached during project days and the number of people who take advantage of our site visits so we can determine the effectiveness of our education and outreach activities.

Section IV: Scope of Work

Task 1 Title Watershed Restoration Plan Implementation: Project Design

Description

With a completed Watershed Restoration Plan (WRP) in place, Contractor will work with ad-hoc WRP Development Committee to decide on several project areas that are ripe for implementation. Selection criteria will be based on landowner interest, and/or potential project areas on Bitterroot National Forest (BNF) land that can be implemented in conjunction with assistance from the BNF. Once landowner participation and/or an agreement with the BNF is reached, Contractor will develop no less than two project designs to address excess sedimentation or thermal loading in streams identified in the WRP. Design work will be contracted to private ecological restoration companies specializing in wetland and riparian restoration.

This task is specifically designed to ensure that momentum created during the development of the WRP is not lost and immediate action is taken towards implementing short-term goals.

Task 1 Funding Deliverables

No less than two project designs to address sedimentation or thermal loading in areas identified in the recently completed WRP. Funding needs and options will be clearly defined for each project.

\$15,500.00 319 Funds

Non-Federal Match \$3,500.00

Other Federal Funds \$750.00

Total Cost

\$19,750.00

Is Match Secured?

No

Timeline July 2013-April 2014

Match Source In-kind from local stakeholders from TU, BNF, MT FWP, BRWF

Task 2 Title Watershed Restoration Plan E&O: Volunteer Days and Public Outreach

Description

With a recently completed WRP, BRWF will have the right tool to conduct landowner outreach and education, providing information on issues facing subwatersheds and educating landowners on recommended actions, including riparian fencing and native revegetation, that will benefit and ultimately de-list impaired streams in their backyards. Education and outreach for this project will include volunteer project days and more broad efforts including the use of media outlets to help spread information.

Volunteer days will assist landowners and ranch managers on Cameron Creek in completing revegetation projects and provide a firsthand look at voluntary actions that can improve stream conditions. Volunteers will provide incredibly valuable assistance in willow collection, planting thousands of native plants, and watering. BRWF will reach out to a large audience to garner volunteers, including outreach to member lists from partner organizations, so that we can widely share information regarding NPS pollution. Our target audience of interested volunteers will receive additional and more on-depth information as well as instruction on how to implement BMPs for restoring riparian vegetation.

The more broad efforts to include the larger community in watershed health through education will include press releases, newsletter articles, community presentations, and facebook updates regarding our progress and proposed projects.

Deliverables Task 2 Funding

Minimum of two volunteer days at "Cameron Creek Revegetation and Fencing to Improve Stream Temperatures" project sites.

-list of volunteers names and informational handouts given to volunteers will be submitted to DEQ. -Copies of press releases, newsletter articles submitted to DEQ.

319 Funds \$1,500.00

Non-Federal Match \$8,000.00

Other Federal Funds \$2,500.00

Total Cost

Is Match Secured? Yes

Timeline Summer 2013 and Spring 2014

Match Source MWCC cash match secured, Volunteer time to be secured

\$12,000.00

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"NPS Pollution Solution" site visits will provide firsthand experiences similar to those on the volunteer project days, including the use of
BMPs on restoration projects. The target audience will be more specific for site visits, engaging those who are interested in restoration
projects and techniques, including Conservation District supervisors, Realtors, riparian landowners, and local environmental contractors,
engineers. Through live instruction and printed handouts, attendees will receive background information on NPS pollution issues in the
area, proposed solutions, BMPs for riparian restoration and information on resources for landowners interested in pursuing project
development.

Deliverables	Task 3 Funding		
-Minimum of one site visit to project site(s) to demonstrate BMPs for riparian restoration -Copies of press releases, newsletter articles submitted to DEQ.	319 Funds	\$250.00	
	Non-Federal Match	\$2,000.00	
	Other Federal Funds		
	Total Cost	\$2,250.00	
	Is Match Secured?	Yes	

Timeline Fall 2013 and Spring 2014

Match Source MWCC match secured, Partner input/assistance to be secured

Task 4 Title Administration

Description

Provide contract accounting, record keeping, and administration for all project tasks. Provide status and match reports (upon billing), annual report, and stand alone Final Report.

Deliverables Task 4 Funding

-No less than quarterly Status Reports with accompanying requests for reimbursement, and match statements

- One Annual Report

-One Final Report

319 Funds

\$1,700.00

Non-Federal Match

\$500.00

Other Federal Funds

Total Cost

\$2,200.00

Yes

Is Match Secured?

Timeline Ongoing until June 30, 2014

Match Source BRWF board of directors

Section V: Supporting Documents

A: Detailed Project Budget

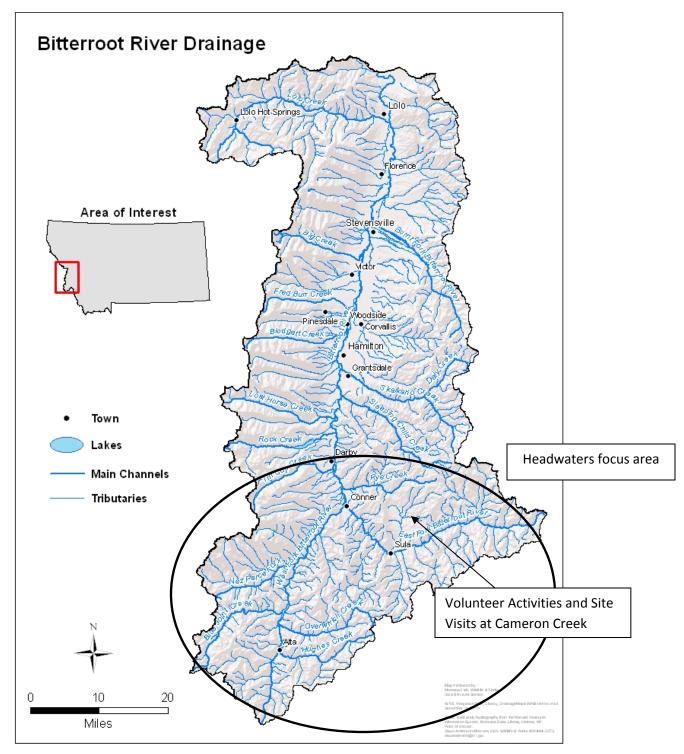
	Cash Match			lı	n-Kind Mate			
Task Number and Specific Action	Private	State	Federal	Private	State	Federal	319 Funds	Total Costs
Select project sites with WRP Cmte.				\$750	\$250	\$250	\$500	\$1,750
Develop project designs				\$2,000	\$500	\$500	\$15,000	\$18,000
Volunteer Days at project sites	\$500			\$5,000	\$250	\$2,500	\$500	\$8,750
Site Visits to project sites	\$750			\$1,000	\$250		\$250	\$2,250
Community Presentations				\$500	\$250		\$500	\$1,250
Press Releases, Newsletters				\$500			\$250	\$750
NPS informational handouts	\$250			\$500	\$250		\$250	\$1,250
Reporting to DEQ				\$500			\$1,700	\$2,200
TOTAL	\$1,500			\$10,750	\$1,750	\$3,250	\$18,950	\$36,200

B: Project Milestone Table: Please complete the following Project Milestone Table by entering task numbers and titles in the left hand column, then check the box(es) for the appropriate quarter(s) and year(s) in which the task will take place.

Milestone	2QT	_	_	1QT 2014	-			_	2QT 2015		4QT 2015	_
Task 1: Watershed Restoration Plan Implementation: Project												
Design Task 2: Watershed Restoration Plan E&O: Volunteer Days and												Ш
"NPS Pollution Solution" Site Visits												
Task 3: "NPS Pollution Solution" Site Visits	П	Ιп	$ \Box$									
Task 4: Administration												
 ✓ C: Project Map ✓ D: Letters of Support ☐ E: Design Drawings ☐ F: Applicable Permits G: Comments: Please use the space provided for any add 	litiona	l infor	matio	n that	may n	ot hav	/e bee	n capt	ured b	y this		
This application was initially submitted to pursue funding for Creek Revegetation and Fencing". Since the preliminary 319 and Fencing plan was accepted for funding through the Rassignificantly modified/reduced our grant request to reflect to Project names included in the "Project Location" section were consideration only. Project design locations will be determined. Chris Clancy, Montana Fish, Wildlife & Parks fisheries biologists board of BRWF, we included a letter of support from Leslie N	applion valli Control and the derivation of the	cation ounty f inge. ved fro ised or ne Bitte	was su Resourd om the or recon	bmitte ce Adv propos nmend is also	ed in Ju isory C sed pla lations in sup	anning made	WF's "((Septe area fo in the	Camero ember or our V compl roject.	on Cree 2012); WRP ar eted W	ek Revo we ha nd are /RP.	egetati ve for	ion
	,											

BRWF "Watershed Restoration Plan Implementation, Education and Outreach"

Bitterroot headwaters: Anticipated area for project design (specific location to be determined based on recommendations made in the completed WRP)





Forest Service West Fork Ranger District 6735 West Fork Rd. Darby, MT 59829 406-821-3269

File Code: 2670 Date: September 27, 2012

Route To:

Subject: Letter of Support for Bitter Root Water Forum

To: Robert Ray

Montana Department of Environmental Quality

1520 E. Sixth Avenue PO Box 200901

Helena, MT 59620

Dear Robert

This letter is in support of the Bitter Root Water Forum's (BRWF) proposal for "Watershed Restoration Plan Implementation, Education, and Outreach". As a group that works in the Bitterroot watershed, the fisheries program on the Bitterroot National Forest strongly supports the implementation of a plan designed to strategically address restoration measures across ownership boundaries in the Bitterroot River and its tributaries. The Forest fisheries project is always looking for partners such as BRWF to help improve the fishery and water quality in the drainage.

Furthermore, BRWF has invited the Bitterroot National Forest to take part in the development of the Watershed Restoration Plan (WRP), and we trust that promptly pursuing designs based on recommendations from this plan will help compliment our ongoing efforts for watershed restoration and protection.

The Forest fisheries program knows that building upon existing momentum is helpful in achieving short-term goals as outlined in the WRP. We support BRWF's interest in acting immediately upon completion of the WRP to ensure that recommendations from the plan are completed in a timely manner.

Thank you for your consideration.

Sincerely,

Michael Jakober

Michael Jakober Bitterroot National Forest south zone fisheries biologist







Robert Ray Montana Department of Environmental Quality 1520 E. Sixth Avenue PO Box 200901 Helena, MT 59620

28 September 2012

Dear Robert,

This letter is in support of the Bitter Root Water Forum's (BRWF) proposal for "Watershed Restoration Plan Implementation, Education, and Outreach". As a group that works in the Bitterroot watershed, Montana Fish, Wildlife & Parks, strongly supports the implementation of a plan designed to strategically address restoration measures in the Bitterroot drainage.

Furthermore, BRWF has invited Montana Fish, Wildlife & Parks to take part in the development of the Watershed Restoration Plan (WRP), and we trust that promptly pursuing designs based on recommendations from this plan will help compliment our ongoing efforts for watershed restoration and protection.

The East Fork Bitterroot River, its headwaters and tributaries provide critical habitat for westslope cutthroat trout and bull trout, two native trout species. Watershed restoration and protection is necessary for the long term survival of these species.

Montana Fish, Wildlife & Parks knows that building upon existing momentum is helpful in achieving short-term goals as outlined in the WRP. We support BRWF's interest in acting immediately upon completion of the WRP to ensure that recommendations from the plan are completed in a timely manner.

Thank you for your consideration.

Sincerely,

Leslie G. Nyce

Leslie G. Nyce Conservation Technician Montana Fish, Wildlife & Parks



Rob Roberts
Trout Unlimited
Clark Fork Restoration Director

Robert Ray Montana DEQ 1520 E. Sixth Avenue P.O. Box 200901 Helena, MT 59620-0901

September 25, 2012

Dear Robert:

Please accept this letter as Trout Unlimited's endorsement of the 319 grant proposal submitted by the Bitterroot Water Forum. The Bitterroot Water Forum spearheaded and is in the process of completing a Watershed Restoration Plan for the East Fork of the Bitterroot River. This grant will help the Bitterroot Water Forum build on momentum generated through the WRP development and ensure that landowners, community groups and partnering agencies are able to continue to build and act upon a common vision for the watershed.

The Bitterroot Water Forum and Trout Unlimited, along with numerous other partners, are part of the Bitterroot Conservation Partnership. To date, this broad-based group has been involved in road decommissioning, revegetation, conservation easements, riparian fencing and other water quality improvement projects. This grant will allow the Bitterroot Water Forum to complete the Cameron Creek project and further WRP planning and design, while helping the Bitterroot Conservation partnership to move closer to achieving the ambitious five year goals developed during the WRP process.

Trout Unlimited has dedicated staff time and financial resources to these and other projects in the drainage and looks forward to continued restoration and conservation efforts. We thank you very much for this funding opportunity and your continued work for conserving natural resources. Please do not hesitate to contact me if you have any questions.

Sincerely,

Rob Roberts