



319 Nonpoint Source Final Project Proposal  
FY2016 Final Proposals are due Monday, September 28, 2015

**Section I: General Information**

Project Title Dyce Creek Stream Crossings

**Project Sponsor Information**

Sponsor Name Beaverhead Conservation District

Registered with the Secretary of State? Yes

Registered with SAM? Yes

County Beaverhead

Website www.beaverheadwatershed.org

Tax Identification # 81-0438160

DUNS # 028460876

Primary Contact Katie Tackett

Signatory Carl Malesich

Title Watershed Coordinator

Title Vice Chairman

Address 420 Barrett

Address 420 Barrett

City Dillon State Montana Zip Code 59725

City Dillon State Montana Zip Code 59725

Phone Number 406 683-3802

Phone Number 406 683-3802

Fax Number \_\_\_\_\_

Fax Number \_\_\_\_\_

E-mail Address beaverheadwatershed@gmail.com

E-mail Address beaverheadwatershed@gmail.com

Signature Katie Tackett

Signature Carl Malesich

**Project Location**

12 Digit HUC #(s) MT41B002\_140

(1) Waterbody Name from 2014 List of Impaired Waters Dyce Creek

(1) Probable cause(s) of impairment to be addressed (ex. metals) Sediment

(2) Waterbody Name from 2014 List of Impaired Waters \_\_\_\_\_

(2) Probable cause(s) of impairment to be addressed (ex. metals) \_\_\_\_\_

(3) Waterbody Name from 2014 List of Impaired Waters \_\_\_\_\_

(3) Probable cause(s) of impairment to be addressed (ex. metals) \_\_\_\_\_

Activity 1 Name Culvert Replacement

Latitude (1) 45.336219

Longitude (1) -112.903061

Activity 2 Name \_\_\_\_\_

Latitude (2) \_\_\_\_\_

Longitude (2) \_\_\_\_\_

Activity 3 Name \_\_\_\_\_

Latitude (3) \_\_\_\_\_

Longitude (3) \_\_\_\_\_

**Nonpoint Source (NPS) Information**

Which WRP does the project implement? Beaverhead Watershed

What is the WRP status? DEQ-Accepted

Does the project address impairments identified in a TMDL? Yes

Waterbody Type River/Stream

Functional Category Erosion Control Projects

1st Pollution Category Construction (Highways/Roads/Bridges)

Percent of Total (%) 100

2nd Pollution Category \_\_\_\_\_

Percent of Total (%) \_\_\_\_\_

3rd Pollution Category \_\_\_\_\_

Percent of Total (%) \_\_\_\_\_

4th Pollution Category \_\_\_\_\_

Percent of Total (%) \_\_\_\_\_

9/28/15

### Project Funding

319 Funds Requested	<input type="text" value="\$13,675.00"/>	Does the project sponsor have any open 319 contracts?	<input type="text" value="No"/>
Matching Funds		Project Title	<input type="text"/>
State Cash Match	<input type="text" value="\$3,000.00"/>	DEQ Contract Number	<input type="text"/>
Local Cash Match	<input type="text" value="\$1,655.00"/>	319 Award	<input type="text"/>
In-Kind Match	<input type="text" value="\$5,034.00"/>	Projected Closing Date	<input type="text"/>
Total Match	<input type="text" value="\$9,689.00"/>	Project Title	<input type="text"/>
Other Federal Funds	<input type="text" value="\$6,000.00"/>	DEQ Contract Number	<input type="text"/>
Total Project Budget	<input type="text" value="\$29,364.00"/>	319 Award	<input type="text"/>
Administrative Fee	<input type="text" value="\$1,368.00"/>	Projected Closing Date	<input type="text"/>

### Section II: Project Description

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

The overall goal of the project is to improve water quality in Dyce Creek. The East Fork of Dyce Creek has three stream crossings that are currently contributing sediment to the system. This project would replace and repair the three crossings and reduce sediment inputs into Dyce Creek. The first of the three crossings is an existing culvert that is undersized and failing. The second two crossings are existing fords that have steep approaches and allow road fill to drain directly into the creek.

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

To improve water quality and reduce sediment inputs new culverts will be installed at the three road crossings.  
Crossing #1- Replace an existing culvert with a new properly sized culvert adequate to handle the flows in the East Fork of Dyce Creek. Also install a series of step pools on the down stream side to allow fish passage.  
Crossings #2 and #3 - Replace existing fords with properly sized culverts and correct road slope to prevent road drainage and sediment from going directly into the stream.

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

This project is located on both private property and a Bureau of Land Management (BLM) allotment in the East Fork of Dyce Creek. In 2012, the BLM completed an Environmental Assessment of the Dyce Creek allotment which analyzed proposed actions for addressing any identified concerns. As part of the EA, three stream crossings were identified in the East Fork as priority projects to reduce sediment in the stream. This drainage has been also been identified by Montana Fish Wildlife and Parks as a priority westslope cutthroat habitat area. Crossing #1 is an existing culvert that is currently undersized and eroding away. It will be replaced with a properly sized culvert and a series of step pools installed at the downstream side will facilitate fish passage. Crossings #2 and #3 are currently existing ford crossings that are over-widened and have steep approaches. These existing ford crossings will be replaced with properly sized culverts and the road will be re-sloped away from the stream. All the stream crossing improvements will be reducing sediment inputs originating from road runoff.

### Statement of Project Need and Intent

This project is part of the Beaverhead Watershed Restoration Plan. The Dyce Creek drainage was chosen as a priority drainage to address water quality because it is a headwater stream to the Beaverhead Watershed. It has also been identified by Montana Fish Wildlife and Parks as a priority westslope cutthroat habitat. Improving these crossings is critical to reducing sediment delivery and improving native fish habitat.

### Describe the pre-project planning that has already occurred.

In 2012, the BLM completed an Environmental Assessment of the Dyce Creek allotment which analyzed proposed actions for addressing any identified concerns. As part of the EA, three stream crossings were identified in the East Fork as priority projects to reduce sediment in the stream. An onsite meeting took place between the Beaverhead Watershed Committee, Montana FWP and BLM to determine the best action to reduce sediment going into the stream. An engineer from BLM has done preliminary work to size the culverts for a 50 year flood event.

### Collaborative Effort: Describe the collaborative effort you have engaged in to ensure support from all appropriate partners.

This project has been a collaborative effort with the Beaverhead Watershed Committee, Bureau of Land Management and Montana Fish Wildlife and Parks. The Beaverhead Watershed Committee has listed the project as a priority project in their Watershed Restoration Plan. The BLM completed an Environmental Assessment in 2012 and listed these three stream crossings as priority projects to reduce road sediment. They have also been working with the leasee to improve grazing by installing stockwater systems, installing fencing for pasture management, and installing riparian exclosures. Montana FWP is invested in the East Fork of Dyce Creek because it is one of the few genetically unaltered westslope cutthroat trout populations in the Beaverhead watershed.

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

Partner	Role
BLM	Primary land manager, project designer, project funder
Montana FWP	Technical assistance, fisheries management, potential funder
Beaverhead Watershed Committee	Project Coordination
Beaverhead Conservation District	Contract Administration

### Technical and Administrative Qualifications

The Beaverhead Watershed Committee (BWC) was formed in 2001 with the goal of developing an understanding of the watershed and an organized approach to addressing a wide variety of planning and restoration issues. Since that time the BWC has completed a growing roster of conservation projects through their own effort as well as those of involved stakeholders and technical advisors. The committee membership is backed by literally hundreds of combined years of knowledge pertaining to the watershed and the changes it has gone through.

The Beaverhead Conservation District (BCD) acts as fiscal agent for the BWC and actively participates in the function of the group.

Matt Jaeger, Montana FWP, Fisheries Management Biologist Beaverhead and Ruby Watersheds -Matt holds a B.S. and M.S. in fisheries management and has 17 years of experience in fisheries management and research for state and federal agencies and non-profit organizations.

Bureau of Land Management (BLM) - Dillon Field Office, the Dillon BLM field office is a key technical resource in this project. By partnering with them the BWC has access to a fisheries biologist, engineer and countless other technical professionals.

### Past and Current Projects

Funding Organization	Award Amount	Project Description	Project Status	Contact Information
DNRC -RRGL	\$100,000.00	Poindexter Slough Fishery Restoration Project - Total project budget over \$1 million dollars to restore and improve water quality in 4.75 stream miles of Poindexter Slough, a FWP public fishing access site.	75% completed. Phase 1 completed, phase 2 in 2016. This grant is closed out.	Lindsay Volpe, Program Specialist Renewable Resources (406) 444-9766
Montana FWP	\$88626.00	Poindexter Slough Fishery Restoration Project - Total project budget over \$1 million dollars to restore and improve water quality in 4.75 stream miles of Poindexter Slough, a FWP public fishing access site.	75% completed. Phase 1 completed, phase 2 in 2016. This grant is closed out.	Michelle McGree Future Fisheries Improvement Program Officer (406) 444-2432
DNRC - WPAG	\$11,000.00	Improve BWC website, Host an educational bioengineering workshop	Completed	Dave Martin, Public Information Specialist (406) 444-4253
DNRC - HB223	\$9400.00	Host a bioengineering workshop	Completed	Linda Brander, Resource Specialist (406) 444-0520
DNRC - RRG	100,000	Administration of contract for the Swamp Creek project.	Completed	Lindsay Volpe, Program Specialist Renewable Resources (406) 444-9766

### Section III: Scope of Work

Task 1 Title Crossing #1 Culvert Replacement

#### Description

Crossing #1 - Replace an existing undersized failing culvert with a new larger properly sized culvert adequate to handle the flows in the East Fork of Dyce Creek. Also install a series of downstream step pools to eliminate a six foot drop off to increase the stability of the culvert and allow fish passage. The culvert will be purchased by BLM.

Culvert size: 66"x51" arch

#### Deliverables

New installed culvert with step pools

#### Task 1 Funding

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Is Match Secured?

Timeline Fall 2016

Match Source MFWP Future Fisheries

Task 2 Title Crossings #2 and #3

#### Description

Crossings #2 and #3 are existing stream fords that will be replaced with properly sized culverts. This will eliminate road induced sediment from entering the stream. The roads will need to be graded such that the runoff flows away from the stream. The culverts will be purchased by BLM.

Culvert size: 57"x 38" arch

#### Deliverables

Installed culverts at crossings #2 and #3.

#### Task 2 Funding

319 Funds

Non-Federal Match

Other Federal Funds

Total Cost

Is Match Secured?

Timeline Fall 2016

Match Source MFWP Future Fisheries

### Task 3 Title Project Coordination

#### Description

40 hours of project coordination + mileage to meet with contractors and planning team on-site  
40 hours @ \$20/hour= \$800  
Mileage 50 miles round trip, 4 trips @\$0.575 cents/mile = \$115  
BWC volunteer 2 people to help plan and oversee project 30 hours each @ \$17.44/hour = \$1046

#### Deliverables

Installed culverts at all three crossings

#### Task 3 Funding

319 Funds	\$375.00
Non-Federal Match	\$1,586.00
Other Federal Funds	
Total Cost	\$1,961.00
Is Match Secured?	Yes

Timeline Fall 2016

Match Source Beaverhead Watershed Operating funds

### Task 4 Title Establishing a volunteer water monitoring team

#### Description

Coordination time - 40 hours @20/hour = \$800  
Volunteers - 5 volunteers for 40 hours each @\$17.44/hour = \$3,488  
Materials \$1000  
Mileage = 2 trips x 2 vehicles x 50 miles round trip @ \$0.575/mile= \$115

Volunteers will monitor project effectiveness by measuring pre-project sediment loads and post project sediment loads using methods approved by DEQ, FWP and the BLM. Monitoring will take place yearly for at least 5 years. Montana FWP will also measure project effectiveness by conducting fish counts in Dyce Creek. The BLM will monitor riparian function and water quality, however the BLM does not conduct monitoring on private property.

#### Deliverables

A water monitoring plan and commitment from volunteer team

#### Task 4 Funding

319 Funds	\$1,300.00
Non-Federal Match	\$4,103.00
Other Federal Funds	
Total Cost	\$5,403.00
Is Match Secured?	No

Timeline After project completion

Match Source BWC Volunteers

Task 5 Title

Education and Outreach

Description

Host a BWC meeting to describe the project and show the steps of completion. Take the interested parties on a tour of the project.  
Coordination of meeting = \$450  
Materials/mailling announcement = \$50  
Meeting volunteers = \$500

Deliverables

One public meeting and tour.

Task 5 Funding

319 Funds

Non-Federal Match

\$1,000.00

Other Federal Funds

Total Cost

\$1,000.00

Is Match Secured?

Yes

Timeline

Fall 2017

Match Source

BWC operational funds

Task 6 Title

Administration

Description

10% of project request

Deliverables

Task 6 Funding

319 Funds

\$1,367.00

Non-Federal Match

Other Federal Funds

Total Cost

\$1,367.00

Is Match Secured?

Timeline

Match Source

## Section IV: Supporting Documents

### Detailed Project Budget

Task Number and Specific Action	319 Funds	State Cash Match	Local Cash Match	In-Kind Match	Federal Funds	Total Costs
Task 1. Design					\$1,000	\$1,000
Task 1. Materials					\$1,000	\$1,000
Task 1. Installation	\$5,000	\$1,000				\$6,000
Task 2. Design					\$1,000	\$1,000
Task 2. Materials					\$3,000	\$3,000
Task 2. Installation	\$7,000	\$2,000				\$9,000
Task 3. Project Coordination	\$375		\$425	\$1,046		\$1,846
Task 3. Project Coordination mileage			\$115			\$115
Task 4. Monitoring Coordination	\$800			\$3,488		\$4,288
Task 4. Monitoring mileage			\$115			\$115
Task 4. Monitoring materials	\$500		\$500			\$1,000
Task 5. E&O Coordination			\$500	\$500		\$1,000
Task 5. E&O Materials						
<b><u>TOTAL</u></b>	\$13,675	\$3,000	\$1,655	\$5,034	\$6,000	\$29,364

**Project Milestone Table:** 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 years(s) in which you will be working on the task.

Milestone	Spring 2016	Summer 2016	Fall 2016	Winter 2016	Spring 2017	Summer 2017	Fall 2017	Winter 2017	Spring 2018	Summer 2018	Fall 2018
Task 1 and 2. Design and Materials Purchased	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Task 1 and 2. Permitting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Task 1 and 2. Installation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Task 3. Coordination (ongoing throughout project)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Task 4. Recruit volunteers and train	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Task 5. Education and Outreach meeting and tour	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

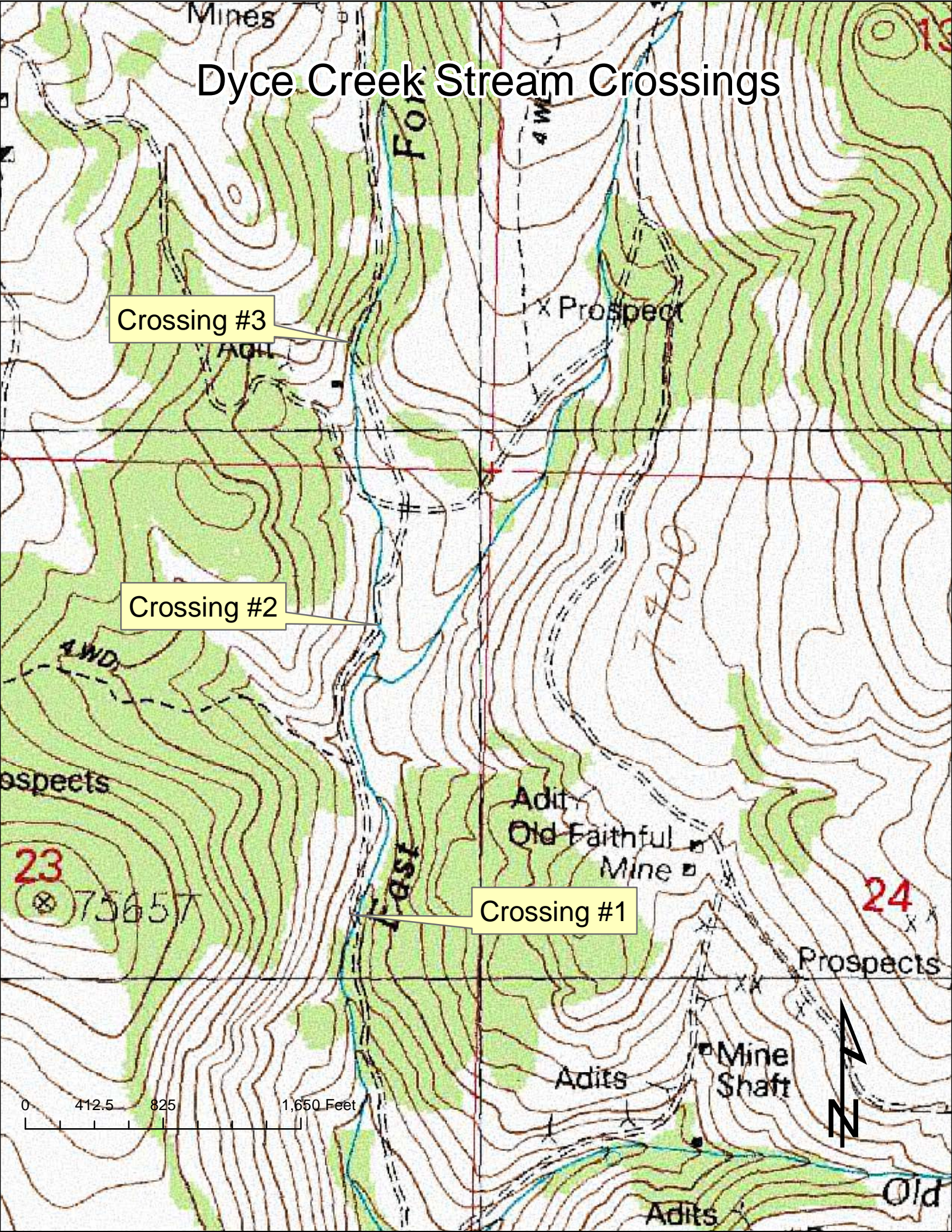
Submit **project map(s)** and **letters of support (at least 3)** along with the Final Project Proposal form. If your organization is not the author of the WRP you hope to implement, you must request a letter of support from the original authoring entity. If the authoring entity refuses to provide a letter of support, use the additional space at the end of the application to describe their response. If design drawings are available, provide those as well. For on-the-ground work, include copies of applicable permits if available.

- ☒ Project Map
- ☒ Letters of Support
- ☒ Design Drawings
- ☐ Applicable Permits
- ☐ Draft of amended WRP (if applicable)
- ☒ Photos
- ☒ Landowner Agreements

**Use the space provided for any additional information that may not have been captured elsewhere in this Final Project Proposal**

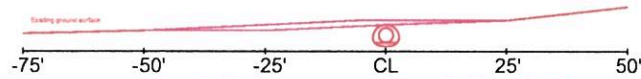
The BLM is currently working with the private landowner to obtain a construction access agreement for the project. Operation and maintenance of the project will be the responsibility of the BLM and the private landowner. A operation and maintenance agreement will be in place prior to the work being done.

# Dyce Creek Stream Crossings



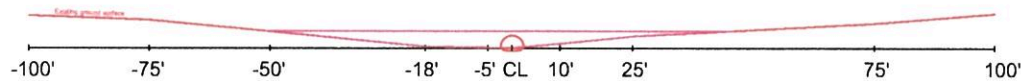
# DYCE CREEK CULVERTS

## Dyce Creek Crossing Mile 4.52 Existing 36" x 20' culvert



The watershed area requires a 54" round culvert. For fish passage, the existing 36" culvert should be replaced with a 60" (66" x 51") pipe arch culvert, set 20% into the stream bed.  
 Area = 57 ft<sup>2</sup>  
 57 ft<sup>2</sup> x 12' width = 684 ft<sup>3</sup> = 25 yds<sup>3</sup>  
 25 yds<sup>3</sup> x 115% (compaction) = 29 yds<sup>3</sup>

## Dyce Creek Crossing Mile 4.88 57" x 38" pipe arch culvert



The watershed area requires a 42" round culvert. For fish passage, a 48" (57" x 38") pipe arch culvert will be specified, set 20% into the stream bed.  
 Area = 186 ft<sup>2</sup> - 9 ft<sup>2</sup> (culvert) = 177 ft<sup>2</sup>  
 177 ft<sup>2</sup> x 12' width = 2124 ft<sup>3</sup> = 79 yds<sup>3</sup>  
 79 yds<sup>3</sup> x 115% (compaction) = 91 yds<sup>3</sup>

## Dyce Creek Crossing RD1881 57" x 38" pipe arch culvert



The watershed area requires a 42" round culvert. For fish passage, a 48" (57" x 38") pipe arch culvert will be specified, set 20% into the stream bed.  
 Area = 127 ft<sup>2</sup> - 9 ft<sup>2</sup> (culvert) = 118 ft<sup>2</sup>  
 118 ft<sup>2</sup> x 12' width = 1416 ft<sup>3</sup> = 52 yds<sup>3</sup>  
 52 yds<sup>3</sup> x 115% (compaction) = 60 yds<sup>3</sup>

### Procedure:

From the stream centerline, elevation shots were taken at 25, 50, 75, and 100 feet up and down the road, or at elevation breaks. Profiles of the existing ground surface were drawn as shown above from field survey data. Watershed discharges were determined by the USGS Montana Flood-Frequency and Basin-Characteristics data. Culverts sizes were determined using the American Iron and Steel Institute Handbook of Steel Drainage & Highway Construction Products, Fifty Edition (1994), Figure 3.30 (p. 154) Inlet Control Nomograph. Culverts were sized for 50-year flood events with no static head, as required by Montana Department of Fish, Wildlife, and Parks. Pipe-arch culverts were selected to minimize fill and to facilitate fish passage. Culverts will be set 20% into the current stream grade for fish passage; pipe-arch culverts were selected to have at least the end area of the required round pipe, even with the imbedded end area deducted. Assumed 12" of fill over the culvert, with 8' flat surface over the culvert. Using the AutoCAD AREA command, the cross section of fill was measured. The cross section area of the culvert pipe was deducted. Assumed a 12' average finished width of the fill (14' over the culvert, tapered to 10' to blend with the existing road), so the cross section area was multiplied by 12' and converted to cubic yards. Assumed 15% compaction of fill material.

### Material List:

Culvert, 66" x 51" pipe arch, 12 ga., 3 x 1 corrugations:	30 feet x 1 piece
Culvert, 57" x 38" pipe arch, 12 ga., 2 2/3 x 1/2 corrugations:	26 feet x 2 pieces
End section, 66" x 51":	1 each
End section, 57" x 38":	2 each



# United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
Dillon Field Office  
1005 Selway Drive  
Dillon, Montana 59725-8449  
[www.blm.gov/mt](http://www.blm.gov/mt)

September 23, 2015

Dear 319 Grant Selection Panel,

This letter is in support of the funding request submitted by the Beaverhead Watershed Committee for the restoration of Dyce Creek. The Bureau of Land Management (BLM) Dillon Field Office (DFO) manages public land throughout the lower portions of the Pioneer Mountains, including several miles of Dyce Creek, and therefore is a supportive stakeholder in this project. In addition, Dyce Creek is habitat for a population of pure westslope cutthroat trout (WCT). The BLM has been working in partnership with Montana Fish, Wildlife and Parks to manage this WCT population. The BLM DFO's East Grasshopper Watershed Environmental Assessment (DOI-BLM-MT-B050-2011-010-EA) identified roads, road crossings, historic placer mining activity, current recreational mining activity, historical removal of beavers and current livestock grazing as causes for the functional-at-risk rating of Dyce Creek (altered gradients and channels, excess sediment and reduced riparian vegetation). This affects not only water quality, but also riparian function and important fisheries habitat. The livestock grazing has been revised and is expected to result in less stream bank impacts, less sediment input and improved vegetative buffers along the greenline. The road crossings are adding excessive sediment to the stream and properly sized and installed culverts and step pools would mitigate this sediment input while allowing fish passage through the culverts. The scattered ownership pattern in the Dyce Creek area complicates riparian management since sediment sources may be outside of the BLM's authority to mitigate, therefore making this collaborative project a great approach to addressing concerns. This grant would give landowners/managers in this area an opportunity to address identified resource issues cooperatively, and along with the other projects and changes that individual partners have completed (eg. revised livestock management, riparian exclosures, riparian conifer removal) is expected to mitigate water quality impairment in Dyce Creek. The DFO assessed the East Grasshopper Watershed in 2011 and it is scheduled to be re-assessed in 2021. This schedule will allow the BLM to monitor and assess the success of the combination of projects designed to improve riparian function, water quality and fisheries habitat. This grant and proposed project will benefit not only public lands, but riparian health throughout the system.

The Bureau of Land Management is strongly supportive of the Dyce Creek restoration project and is committed as a partner for the success of this proposed project.

Sincerely,

Pat Fosse  
Assistant Field Manager



## **Montana Fish, Wildlife & Parks**

**Dillon Field Office Fisheries Management 730 ½ N. Montana Dillon, MT 59725**  
**Phone: (406) 683-9310 Fax: (406) 683-4126 email: [mattjaeger@mt.gov](mailto:mattjaeger@mt.gov)**

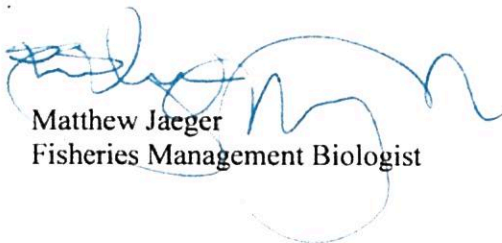
24 September 2015

Dear 319 Selection Panel,

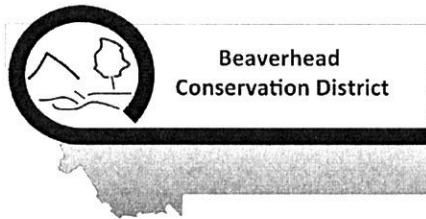
This letter is intended to provide support and justification for the project submitted for funding by the Beaverhead Watershed Committee to improve existing road crossings on Dyce Creek. This stream is a focus area for westslope cutthroat trout restoration and conservation. We completed a piscicide project to eradicate non-native fish in 2012 and the drainage presently supports one of the few genetically unaltered westslope cutthroat trout populations in the Beaverhead watershed. However, existing road crossings presently deliver significant amounts of sediment to the stream and limit the fishery. Two crossings are fords with relatively steep approaches that allow road fill to drain directly into the stream. The third is a collapsing culvert that is beginning to deliver increasing quantities of sediment to the stream and is a barrier to fish passage during most of the year. Improving these crossings to reduce or eliminate sediment delivery and provide year-round fish passage is critical to the long term conservation of native fish in the Dyce Creek drainage. Successful completion of this project will have an immediate tangible benefit to aquatic ecosystem health and integrity.

Montana Fish, Wildlife & Parks is strongly supportive of the proposed Dyce Creek road crossing improvement project and is committed as a partner to ensure that realized benefits are maximized.

Sincerely,



Matthew Jaeger  
Fisheries Management Biologist



Beaverhead Conservation District  
420 Barrett Street  
Dillon, MT 59725  
9/28/2015

Dear 319 Grant Selection Committee:

This letter is in support of the Dyce Creek restoration project initiated by the Beaverhead Watershed Committee. Dyce Creek plays an integral part in the Beaverhead watershed for multiple reasons, including providing habitat for genetically pure westslope cutthroat trout. The BLM and Montana Fish, Wildlife, and Parks have been working together to manage this habitat along with multiple use stakeholders including grazing. The culvert and road improvement project proposed by the Beaverhead Watershed Committee works in concert with these agencies and private landowners to promote improvements to the cutthroat fishery, overall riparian function, and water quality. Conservation of water and natural resources is the chief mission of the Beaverhead Conservation District, and the project proposed on Dyce Creek by the Beaverhead Watershed Committee strives to achieve this. In addition to the merit of this project for its own worth, the reputation of the Beaverhead Watershed Committee in regards to stream restoration projects provide ample cause for the Beaverhead Conservation District to fully support the project on Dyce Creek and ask that as a committee you choose it for funding.

Thank you,

A handwritten signature in black ink, appearing to read "JC", is written over the "Thank you," text.

Jamie Cottom, Administrator  
406.683.3802  
[beaverheadcd@gmail.com](mailto:beaverheadcd@gmail.com)



# United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
Dillon Field Office  
1005 Selway Drive  
Dillon, Montana 59725-8449  
www.blm.gov/mt

In Reply Refer To:

9113 (MTB050)

September 22, 2015 *PH*

Martha B Davis  
625 South Arizona  
Dillon Montana 59725

Dear Ms. Davis:

The Bureau of Land Management (BLM) Dillon Field Office is proposing to conduct road improvements along the East Fork Dyce Creek Road. A cadastral land review shows that you own land within the area identified for improvements located within Township 6 south, Range 12 West, Section 23.

The BLM proposes to improve three stream crossings that have been identified as causing sediment impairment to the East Fork of Dyce Creek. Two of the stream crossings are located on your private holding and one is located on BLM administered land. The two locations on your property consist of a stream crossing with an existing road culvert which is in the process of failing and the second location, located approximately ½ mile upstream, is a primitive (no culvert) stream ford. Both have been identified as chronic sources of sediment to the stream. The BLM would like permission to improve these two stream crossings by installing appropriate sized culverts.

The BLM will be working in association with the Beaverhead Watershed Committee as well as Montana Fish, Wildlife and Parks to complete these projects. Work is expected to begin either in the fall of 2015 or summer of 2016. To complete the required work, heavy equipment, such as dump trucks and excavator, will be required. Expected time for completion is around one week.

If you are in agreement with allowing the BLM and partners to access your property and conduct the above work, please sign the enclosed Access Agreement and return it to the BLM in the enclosed envelope. If you have any questions or concerns, please contact Paul Hutchinson, Fisheries Biologist, at (406) 683-8052.

Thank you for your time and assistance.

Sincerely,

**/s/ C Hudson**

Cornelia Hudson  
Field Manager

Enclosure:

bc: Files, Reading Files

050:PHutchinson:ka:09/22/15:X8052:9113 Davis Request for Culvert Installation

## **Access Agreement**

I, Martha B. Davis, agree to allow the Bureau of Land Management, Dillon Field Office, to install two road culverts on my private property on the East Fork Dyce Creek Road. The culverts are located within Township 6, South, Range 12 West, Section 23.

All Costs and liability associated with culvert installation will be assumed by the Bureau of Land Management Dillon Field Office.

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Martha B Davis  
625 South Arizona Street  
Dillon Montana 59725

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Date

Crossing #1- upstream end of culvert



Crossing #1 - downstream end of culvert



Crossing #2



Crossing #3

