



FUTURE FISHERIES IMPROVEMENT PROGRAM GRANT APPLICATION

All sections must be addressed, or the application will be considered invalid



I. APPLICANT INFORMATION

A. Applicant Name: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ E-mail: _____

B. Contact Person (if different than applicant): _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ E-mail: _____

C. Landowner and/or Lessee Name
(if different than applicant): _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ E-mail: _____

II. PROJECT INFORMATION

A. Project Name: _____

River, stream, or lake: _____

Location: Township: _____ Range: _____ Section: _____

Latitude: _____ Longitude: _____ *within project (decimal degrees)*

County: _____

B. Purpose of Project:

C. Brief Project Description (attach additional information to end of application):

A large, empty rectangular box with a thin black border, intended for the applicant to provide a brief project description and attach additional information. The box occupies most of the page below the section header.

D. Length of stream or size of lake that will be treated (project extent): _____
Length/size of impact, if larger than project extent (e.g. stream miles opened): _____

E. Project Budget:

Grant Request (Dollars): \$ _____

Matching Dollars: \$ _____

Matching In-Kind Services:* \$ _____

**salaries of government employees are not considered matching contributions*

Total Project Cost: \$ _____

F. **Attach** itemized (line item) budget – *see budget template*

G. **Attach** specific project plans, detailed sketches, plan views, photographs, maps, evidence of landowner consent, evidence of public support and fish biologist support, and/or other information necessary to evaluate the merits of the project. If project involves water leasing or water salvage complete a *supplemental questionnaire* (fwp.mt.gov/habitat/futurefisheries/supplement2.doc).

H. **Attach** land management & maintenance plans that will ensure protection of the reclaimed area.

III. **PROJECT BENEFITS** (attach additional information to end of application):

A. What species of fish will benefit from this project?

B. How will the project protect or enhance wild fish habitat?

C. Will the project improve fish populations and/or fishing? To what extent?

D. Will the project increase public fishing opportunity for wild fish and, if so, how?

E. The project agreement includes a 20-year maintenance commitment. Please discuss your ability to meet this commitment.

F. What was the cause of habitat degradation in the area of this project and how will the project correct the cause?

G. What public benefits will be realized from this project?

H. Will the project interfere with water or property rights of adjacent landowners? (explain):

I. Will the project result in the development of commercial recreational use on the site? (explain):

J. Is this project associated with the reclamation of past mining activity?

Yes.

Each approved project applicant must enter into a written agreement with Montana Fish, Wildlife & Parks specifying terms and duration of the project. The applicant must obtain all applicable permits prior to project construction. A competitive bid process must be followed when using State funds.

IV. AUTHORIZING STATEMENT

I (we) hereby declare that the information and all statements to this application are true, complete, and accurate to the best of my (our) knowledge and that the project or activity complies with rules of the Future Fisheries Improvement Program.

Applicant Signature: _____

Date: _____

5/29/20

Sponsor (if applicable): _____

Submittal: Applications must be *signed and received before December 1 and June 1* of each year to be considered for the subsequent funding period. Late or incomplete applications will be rejected.

Mail to: Montana FWP
Fish Management Bureau
PO Box 200701
Helena, MT 59620-0701

Email: Michelle McGree
mmcgree@mt.gov
(electronic submissions must be signed)
For files over 10MB, use <https://transfer.mt.gov>

Applications may be rejected if this form is modified.

Lower French Creek riparian restoration
BUDGET TEMPLATE SHEET FOR FUTURE FISHERIES PROGRAM APPLICATIONS

019-2020

			\$	-				\$	-			
		Sub-Total	\$	45,000.00	\$	10,000.00	\$	-	\$	35,000.00	\$	45,000.00
TOTALS			\$	89,070.00	\$	10,000.00	\$	44,070.00	\$	35,000.00	\$	89,070.00

OTHER REQUIREMENTS:

All of the columns in the budget table and the matching contribution table MUST be completed appropriately or the application will be invalid. Please see the example budget sheet for additional clarification.

*Units = feet, hours, inches, etc. Do not use lump sum unless there is no other way to describe the costs.

**Can include in-kind materials. Justification for in-kind labor (e.g. hourly rates used for calculations). Describe here or in text.

Reminder: Government salaries cannot be used as in-kind match

***The Review Panel suggests that design and oversight costs associated with a proposed project not exceed 15% of the total project budget. If design and oversight costs are in excess of 15%, applications must include a minimum of two competitive bids for the cost of undertaking the project.

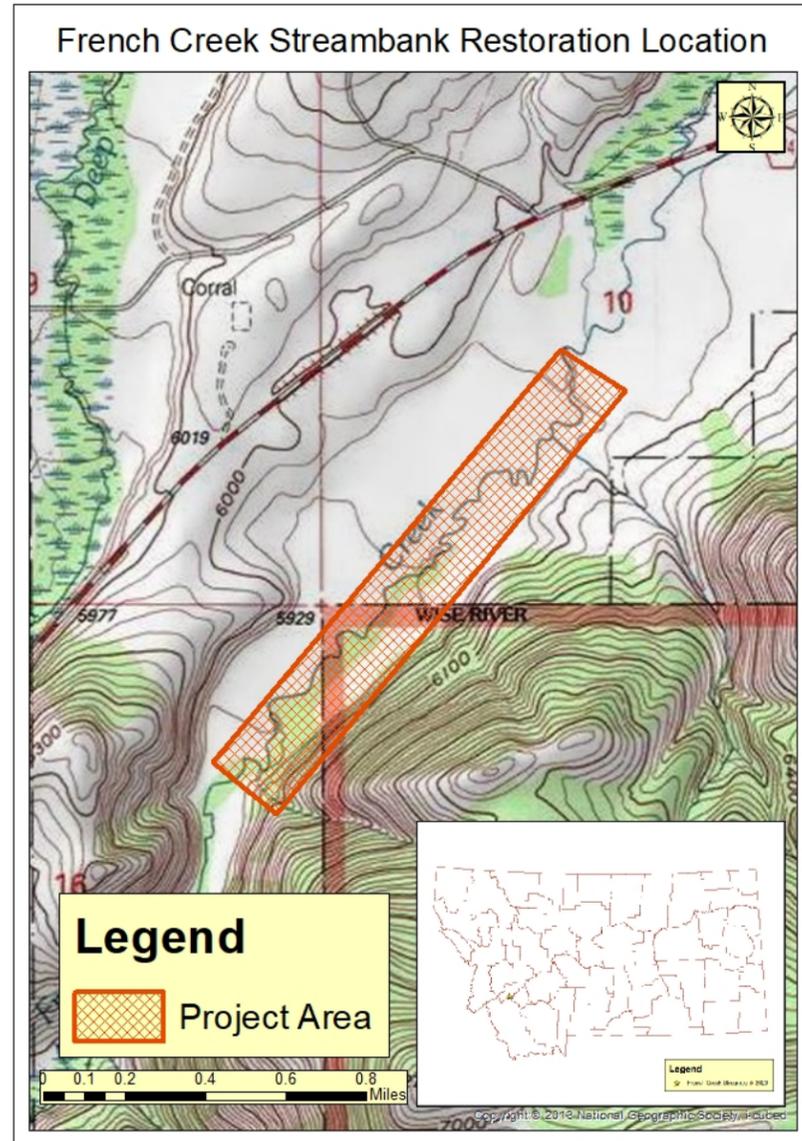
****The Review Panel recommends a maximum fencing cost of \$1.50 per foot. Additional costs may be the responsibility of the applicant and/or partners.

MATCHING CONTRIBUTIONS (do not include requested funds)

CONTRIBUTOR	IN-KIND SERVICE	IN-KIND CASH	TOTAL	Secured? (Y/N)
Montana TU (George Grant)	\$ -	\$ 5,000.00	\$ 5,000.00	Y
FWP Arctic Grayling Recovery Program	\$ -	\$ 30,000.00	\$ 30,000.00	Y
FWP Mount Haggin WMA	\$ 44,070.00	\$ -	\$ 44,070.00	Y
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
TOTALS	\$ 44,070.00	\$ 35,000.00	\$ 79,070.00	

LOWER FRENCH CREEK STREAMBANK

French Creek located in Section 10 & 16, Township 2 North, Range 12 North, P.M.M., Deerlodge County, Montana



Author: Jarrett Payne
Date: 2/5/2020
Sources: FWP and ESRI

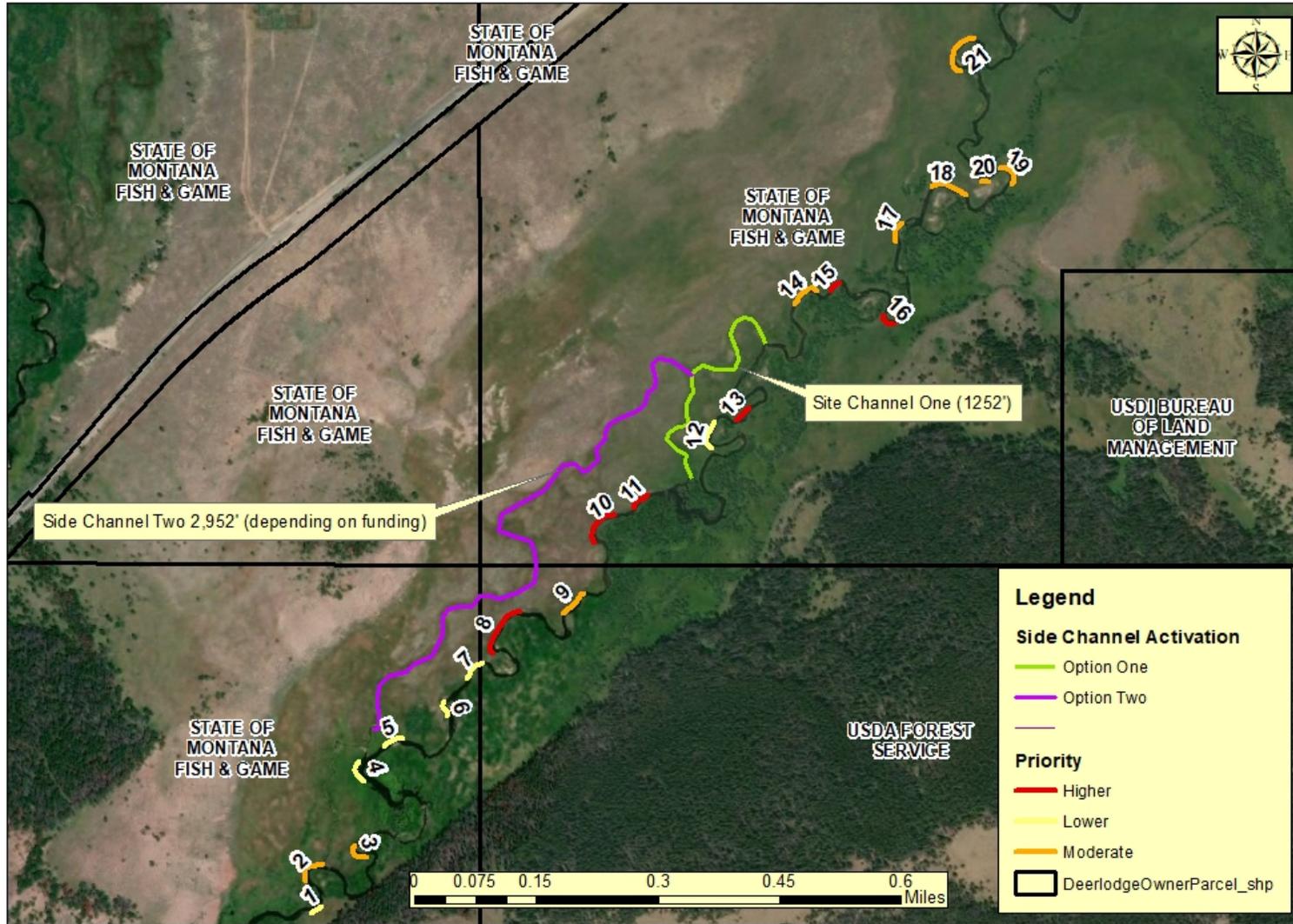
VICINITY MAP
NOT TO SCALE

SHEET INDEX

SHEET NO.	TITLE
1	COVER SHEET
2	SITE PLAN
3	ALTERNATE 3 DETAIL

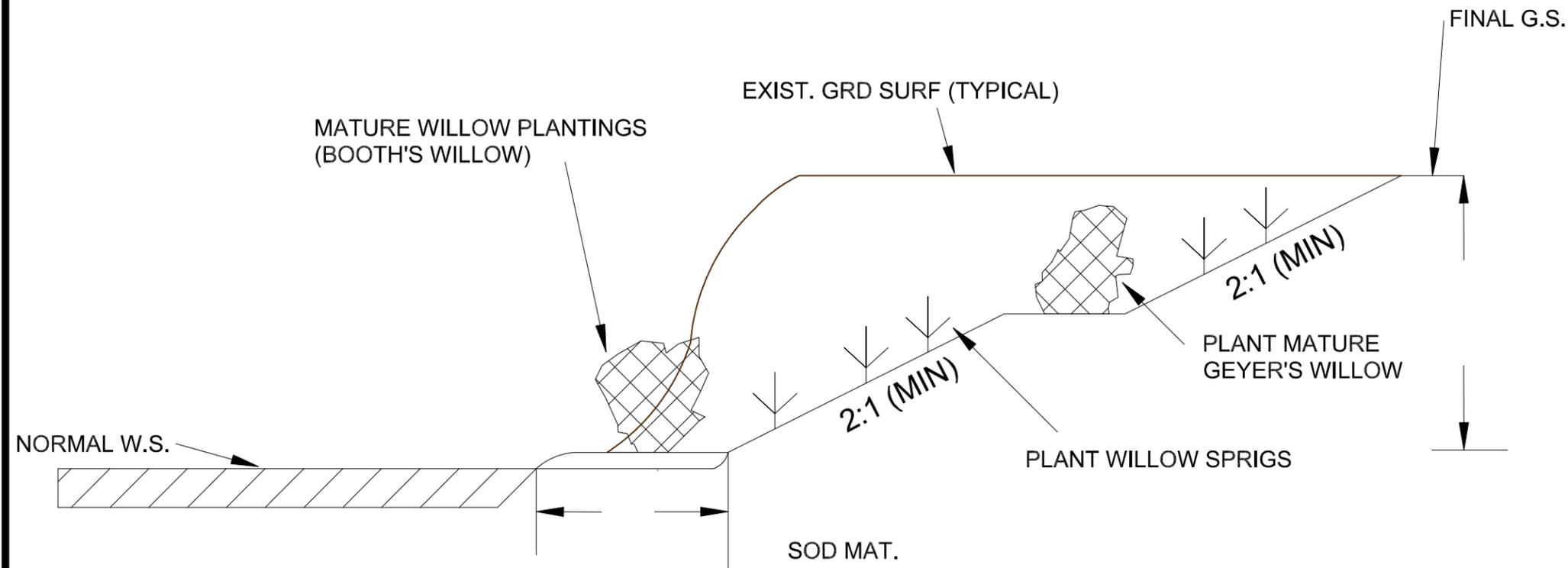


French Creek Streambank Resotoration Project Overview

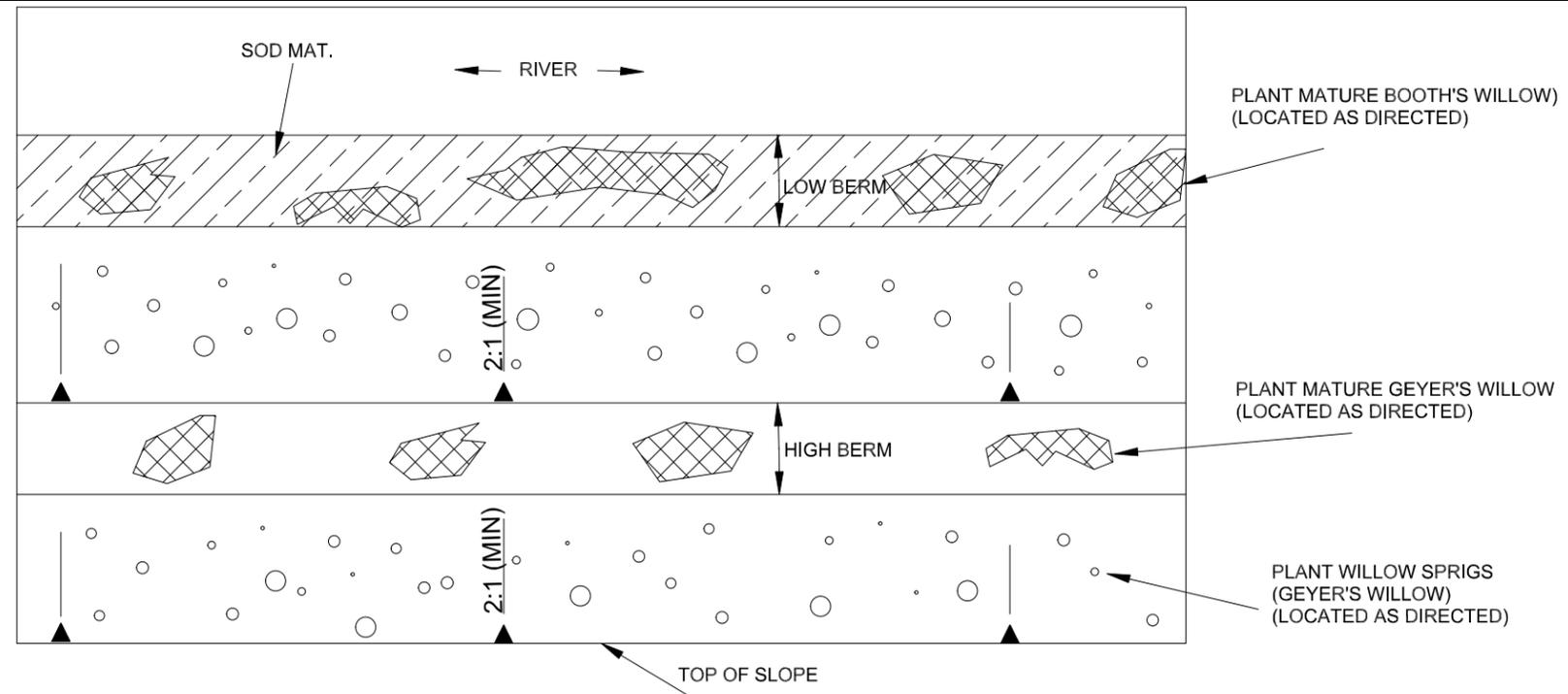


Author: Jarrett Payne
 Date: 2/5/2020
 Sources: FWP and ESRI





- NOTES:**
- 1) FINISHED SLOPE SHOULD APPRX NATURAL ANGLE OF REPOSE
 - 2) USE BOOTH'S WILLOW FOR PLANTING NEAR WATER
 - 3) USE GEYER'S WILLOW FOR PLANTING FURTHER FROM WATER
 - 4) NUMBER & SPACING OF PLANTINGS SHALL BE AS DIRECTED



French Creek Lower Streambank Photos (photo's taken in 2012 and 2019)

High Priority Streambank Examples



(Photo taken in 2012)



(Photo taken in 2012)



(Photo taken in 2019)

Moderate Priority Streambank Examples:



(Photo taken in 2019)



(Photo taken in 2012)



(Photo taken in 2019)

Lower Priority Streambank Examples:



(photo taken in 2012)



(photo taken in 2019)

French Creek Side Channel Activation (photo taken in 2020):





MONTANA FISH, WILDLIFE & PARKS

May 12, 2020

Dear FFIP Panel,

I am writing this letter in support of the project on lower French Creek to reduce erosion and sedimentation and to encourage the establishment of deeply rooted, riparian vegetation along the streambanks. Significant work has been done in the French Creek drainage to address the impacts of past mining and other land management practices. This watershed restoration approach has proven effective at reducing erosion and restoring habitat for both fish and wildlife. The culmination of the restoration work will begin this summer as the native Arctic grayling westslope cutthroat trout fisheries restoration work will begin.

The current proposal to restore eroding streambanks on lower French Creek is one of the last projects to reduce erosion in the lower stream. The fish population in this reach of stream is $\frac{1}{2}$ what it is only a few miles upstream and this is believed to be because of the sedimentation that occurs from streambank erosion. A large-scale habitat restoration project was completed upstream of this area in 2019 where the stream channel was completely relocated to reduce erosion and improve aquatic habitat. The current proposal is to stabilize stream banks downstream of the 2019 project. In this area of the stream a healthy riparian area exists on the east side of the valley bottom, but the west side is a former hay meadow with shallow-rooted pasture grasses. As meander bends occur to the west the banks are actively calving into the stream as the sods are undercut by the stream. The proposal to create a bank-full bench and vegetate it with the appropriate deeply rooted vegetation should curtail this erosion. Further because the stream so readily moves to the west, the channel has become wide and shallow with few high-quality pools. More stable banks should encourage more vertical scour and create better pools for fish.

The most exciting part about this project in my opinion is the activation of former side channels that run parallel to French Creek. It is likely that before the west side of the stream was converted to a hay meadow that it was a thick riparian area, like what is present upstream. Relic channels can be seen on aerial imagery through the meadow. By activating these channels additional habitat for fish, particularly for spawning and juvenile fish, will be created. It should also encourage the reestablishment of riparian vegetation between the historic channel and the current channel. Having riparian species in this corridor is the long-term solution to a stable stream channel in French Creek.

It is my hope that you would support this project.

Sincerely,

Jim Olsen
Fisheries Biologist, Big Hole River

To: Jarett Payne
Riparian Ecologist, Montana Fish, Wildlife, and Parks
730 N Montana St
Dillon, MT 59725

I wanted to send this letter of support for the French Creek Restoration work proposed by the State of Montana. This project will improve important habitat for the re-introduction of grayling and Westslope cutthroat above the recently constructed barrier as well as protect existing populations of pearlshell mussels. This project will benefit both State and Forest Service lands while completing the critical work necessary to reduce risk of future listing of these sensitive species.

The Forest Service is committed to be a partner in this effort and see this project through to completion.

Sincerely,

Kevin Weiner

Kevin Weiner

Forest Hydrologist

Beaverhead-Deerlodge National Forest



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Montana Partners for Fish & Wildlife
420 Barrett Street, Dillon, MT 59725



Future Fisheries Improvement Program Panel
C/O Montana Fish, Wildlife & Parks
1420 east 6th avenue
Helena, Mt 59717

May 21, 2020

Dear FFIP panel,

Please accept this letter of support for Montana Fish, Wildlife & Parks (MFWP) French Creek Streambank Restoration and Channel Activation Project. This project builds upon efforts to restore native fishes by addressing past land use impacts to improve stream function, resiliency and habitat on French Creek in the Big Hole Watershed. In 2019, habitat restoration began in French Creek by relocating a reach of existing degraded channel to a new channel that will reduce erosion and improve aquatic habitat. The current proposal will continue restoration efforts downstream of the 2019 project. The proposed work will create a bank-full bench and restore vegetation which will stabilize the bank and reduce erosion. Additionally, an abandoned side channel will be activated that will provide new habitat for fish, aquatic and riparian obligate species. Project restoration will emphasize the importance of vegetation with deep binding root species to stabilize banks and improve riparian vegetation diversity and resiliency. The restored reach will be protected by temporary fence until the vegetation is established, followed by a grazing management plan.

The USFWS Montana Partners for Fish & Wildlife Program (PFW) has collaborated with MFWP for many years to implement watershed scale conservation and identify long-term strategies that protect and maintain resiliency in the Big Hole watershed. We have identified the Big Hole watershed as a conservation focus area due to its unique population of Arctic grayling, intact habitats and potential to implement conservation at a landscape scale, and therefore have committed a biologist and project funding to leverage greater success. We have collaborated with MFWP on the Big Hole Arctic Grayling Candidate Conservation with Assurances Program that has founded a recipe for conservation success. We fully support the French Creek Project and believe it is a great opportunity to improve habitat and restore unique Montana native fishes. I am confident that the French Creek Project will benefit conservation of fish and wildlife and the citizens of Montana. Thank you for considering this proposal.

Sincerely,

James Magee
Fish and Wildlife Biologist
MT Partners for Fish and Wildlife Program
U.S. Fish and Wildlife Service