



FUTURE FISHERIES IMPROVEMENT PROGRAM GRANT APPLICATION

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



I. APPLICANT INFORMATION

- A. Applicant Name: Randy Moy
- Mailing Address: 6100 Marshall Canyon Road
- City: Missoula State: MT Zip: 59802
- Telephone: 406.439.8576 E-mail: randynancymoy@gmail.com
- B. Contact Person (if different than applicant): Same as applicant
- Address: _____
- City: _____ State: _____ Zip: _____
- Telephone: _____ E-mail: _____
- C. Landowner and/or Lessee Name (if different than applicant): Same as applicant
- Mailing Address: _____
- City: _____ State: _____ Zip: _____
- Telephone: _____ E-mail: _____

II. PROJECT INFORMATION

- A. Project Name: Moy Riparian Fencing Repairs - Marshall Creek
- River, stream, or lake: Marshall Creek
- Location: Township: 13N Range: 18W Section: 6
- Latitude: 46.9114 Longitude: -113.9204 *Within project (decimal degrees)*
- County: Missoula
- B. Purpose of Project:

The proposed project simply involves repairs to a successful riparian fencing and livestock management project originally funded through Future Fisheries in 2003. Project involves same landowner and project goals on a key W. Cutthroat Trout stream near Missoula where large restoration investments have been made over the past 2 decades.

- C. Brief Project Description (attach additional information to end of application). Please include the anticipated construction schedule:

Project involves maintenance and repair of riparian fencing and water gaps along ~2500 ft of Marshall Creek on the Moy property. Fencing alignment includes both sides of the stream along pastures used in a grazing rotation. Fencing was originally installed in 2003 by the same landowner through a former FFIP grant. Landowner has maintained fencing since installation, facilitated a healthy riparian corridor within fences, and incorporated instream habitat improvements (e.g., LWD installation) within the project reach.

Marshall Creek is an extremely productive tributary that provides trout recruitment to the Clark Fork River near East Missoula. Since original installation of this project, more than a dozen additional projects have been implemented, including a fish ladder near the mouth, multiple culvert replacements (for fish passage), fish screens, instream habitat enhancements, etc. Improvements have also included management changes by the Missoula County road department to increase vegetative stream buffers and reduce sediment delivery. Fishery benefits have been well-documented through population monitoring (electrofishing) within the project reaches, where WCT densities were nearly doubled (L. Knotek, FWP, unpublished data), as well as larger scale tagging and population assessment studies on the Clark Fork River, which demonstrated the importance of recruitment from Marshall Creek to the Clark Fork River fishery (Frey et al. 2021).

Construction schedule: Repairs to fencing, water gaps, etc will be made in spring/summer 2024 with assistance of fencing contractor.

- D. What was the cause of habitat degradation and how will the project correct the cause?

Normal wear and tear on fence over 2 decades, despite regular maintenance and repairs by landowner. Vegetation and stream habitat within protected riparian corridor has improved during that time.

- E. Length of stream or size of lake that will be treated (project extent): ~ 2,500 ft
 Length/size of impact, if larger than project extent (e.g., stream miles opened): N/A
- F. Project Budget Summary:
- | | |
|---------------------------------|--------------------|
| Grant Request (Dollars): | <u>\$ 2,000.00</u> |
| Matching Dollars: | <u>\$ 3,000.00</u> |
| Matching In-Kind Services:* | <u>\$ 1,000.00</u> |
- *salaries of government employees are not considered matching contributions*
- Other Contributions (not part of this app) \$
- Total Project Cost:** \$ 6,000.00
- G. Attach itemized (line item) budget – see *budget template*
- H. Attach project location map(s) that include:
- ☒ Extent of the project, including context (relation to major landmark or town)
 - ☒ Indication of public and private property
 - ☒ Riparian buffer locations and widths (if applicable) and grazing locations
- I. Attach project plans:
- ☒ Detailed sketches or plan views with the location and proposed restoration
 - ☒ Pre-project photographs (GPS location strongly recommended)
 - ☐ If water leasing or water salvage is involved, attach a supplemental questionnaire (<https://myfwf.mt.gov/getRepositoryFile?objectID=36110>)
- J. Attach letters or statements of support (e.g., landowner consent, community or public support, and FWP fisheries support). List any other project partners:

See Application Attachments for Parts H, I, and J

III. MAINTENANCE AND MONITORING (attach additional information to end of application):

- A. A 20-year maintenance commitment is required*. Please confirm that you will ensure this protection and describe your approach. Attach any relevant maintenance plans. Yes ☒ No ☐
**If it is a water leasing project, describe the length of the agreement.*
- Understand commitment as fencing and benefits were maintained and demonstrated through prior 20 year contract under FFIP grant.
- B. Will grazing be part of or adjacent to the project? If so, describe or attach land management plans, including short term and long term grazing regimes. If the landowner is not the applicant, please describe their involvement in the project. *If you want assistance with grazing plan development, note your need.*
- Landowner is applicant and continues to graze livestock as in past 2 decades. Pasture layout on both sides of stream associated with grazing rotation will remain the same and planned fence location/layout remains the same. Also same location for livestock water gaps along stream.

- C. Will the project be monitored to determine if goals were met? If so, what are the short-term and long-term plans to assess benefits and lessons learned? Were pre-project data collected? Will monitoring information be shared with FWP?

Project will continue to be monitored for health and vitality of riparian corridor (e.g., photo points) by landowner in conjunction with FWP. Fishery benefits in project reach, Marshall Creek, and adjacent Clark Fork River reach are also monitored by FWP through ongoing electrofishing, fish trap at fish ladder, tagging/movement studies etc.

Due to the intensity of projects on Marshall Creek and large public/private investments, this is a heavily-monitored system.

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

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

Westslope Cutthroat Trout (WCT) : > 90% genetic purity

Note: Because lower Marshall Creek is now directly connected to the Clark Fork River through fish passage enhancements, hybridization has increased in lower stream segments (includes project reach). However, the upper portion of the Moy property (above project reach) and the drainage upstream on public lands supports a non-hybridized WCT conservation population that is isolated by a permanent fish passage barrier on the Moy property located just above the project reach.

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

Implementation of project will continue demonstrated benefits of original fencing and grazing management project at the same location: enhanced riparian buffers, improved bank stability and shading, reduced stream temperatures, improved instream habitat through LWD recruitment, and higher trout carrying capacity provided by increased habitat quality and complexity, etc.

All of these benefits have been demonstrated through project monitoring over past 20 yrs and are expected to continue.

- C. What is the expected improvement to fish populations, both short term and long term? How might the project translate to angler success?

Proposed project actions and maintenance will continue demonstrated benefits to Marshall Creek fish population and Clark Fork River fishery as described above. In short term, riparian protections and aquatic benefits provided by fence locally will be bolstered. In longer term and larger scale, positive trends in Clark River fishery and improved resiliency should continue.

The high value of Marshall Creek as a source of recruitment for the Clark Fork River fishery through Missoula has been well-documented. This reach supported thousands of angler-days (FWP Angler Use Data 2002-2021) and Marshall Creek has been identified as one of the primary sources of trout recruitment through FWP tagging and population estimate studies (Frey et al. 2021 & FWP unpublished data).

- D. Will the project increase public fishing opportunity for wild fish and, if so, how? Is public fishing allowed onsite? If not, describe how the public would access the project benefits.

Larger-scale benefits to Clark Fork River wild trout fishery are described above and are well-documented.

The project reach is not open to public fishing - the value of this reach revolves around its importance as a lower gradient, migratory trout spawning and rearing area that is located within 2 miles upstream of the Clark Fork River fishery adjacent to Missoula.

- E. Aside from angling, what local or large-scale public benefits will be realized from this project?

Additional benefits include all those associated with a functioning riparian corridor located in a transition zone provided by Marshall Creek between large blocks of public land and a large river valley. These include travel corridors for terrestrial wildlife, important songbird and edge-species habitat, as well as water quality benefits realized for wildlife and by humans in the Missoula Valley (just downstream).

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

No

- G. Will the project result in the development of commercial recreational use on the site (including paid access)? Explain:

No

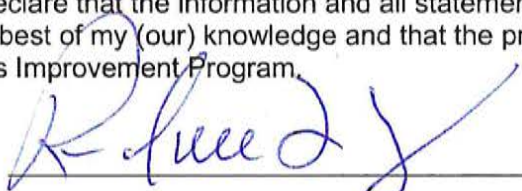
- H. Is this project associated with the reclamation of past mining activity?

No

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.

V. 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: 11.14.23

Submittal: Applications must be signed and received on or before November 15 and May 15 to be considered for the subsequent funding period. Late or incomplete applications will be rejected.

Mail to: FWP Future Fisheries
Fish Habitat Bureau
PO Box 200701
Helena, MT 59620-0701

Email: Future Fisheries Coordinator
FWPFFIP@mt.gov
(electronic submissions must be signed)
For files over 10MB, use <https://transfer.mt.gov> and send to mmcgree@mt.gov

Future Fisheries Improvement Program

Attachments - Randy Moy Application – Nov 2023

Section II., Item H

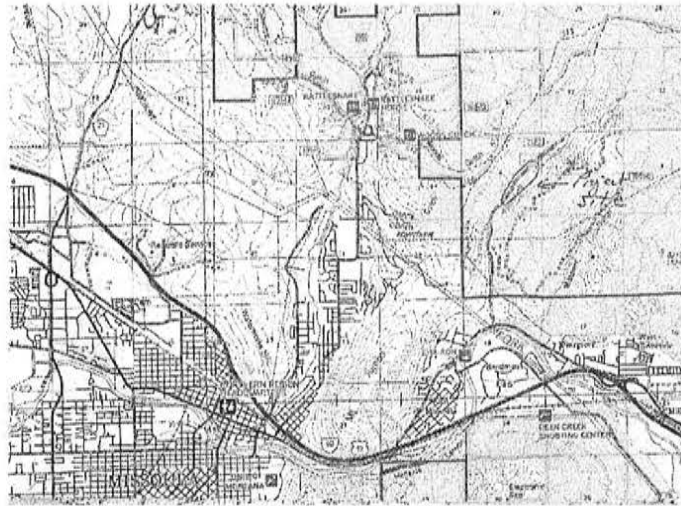
Extent of Project: ~ 2,500 ft of Marshall Cr riparian corridor on Moy property

Project site is located ~ 3 mile NE of the U of Montana in Missoula – *see map below*

Property Type: 100% Private

Riparian Buffer Location/Width: Length of project for ~2,500 (except water gaps);

Width between fences is 30-50 ft along length of stream

**Section II., Item I**

Sketches/Plan View: N/A - Repair & maintenance of 5-strand barbed-wire fence along length of stream riparian area through meadow that totals ~2,500 ft (excluding water gaps)

Pertinent Photographs



Section II., Item J

Project partners:

- Missoula Conservation District
- Montana FWP

Support Letter from FWP – see attached

Sunrise Fencing 33 US Highway 10 South Garrison, MT 59731
406-288-6002 Cell: 406-241-0325

Ph:

Quote No.

1490

Your needs are our Specialty!

Quote**Customer**

Name Randy & Nancy Moy
Address 1600 Marshal Canyon Rd.
City Missoula State MT ZIP
Phone 406-442-8995 <randynancymoy@gmail.com>

Misc

Date 10/21/2023
Order No. 1490
Rep Jethro
FOB

Qty	Description	Unit Price	TOTAL
1	General Repair of tensioning wires and fixing splices and staples		\$ 1,000.00
12	Replace heavy turning posts (6x8')	\$ 50.00	\$ 600.00
11	Replace horizontal rails on braces	\$ 40.00	\$ 440.00
12	Replace wood line posts	\$ 30.00	\$ 360.00
4	Replace 4 Single Braces	\$ 175.00	\$ 700.00
1	Rework creek crossing	\$ 500.00	\$ 500.00
1	Rebuild 150' of corral fence with woven wire-includes tearing out the old	\$ 800.00	\$ 800.00
Note: The above quantities are estimated. We will charge according to actual quantities installed.			
		SubTotal	\$ 4,400.00
		Shipping	
		Tax Rate(s)	
		TOTAL	\$ 4,400.00

Payment

Comments
Name
CC #
Expires

Thank you...

We warranty our products and workmanship to be free of defects & customer satisfaction with an up to 90 day repair or replacement of any defected products. We are not responsible for any damage from livestock, weather, acts of God or any other sources which are not in relation to product or workmanship.

Thank-you for your business!



Region 2 Headquarters
3201 Spurgin Road
Missoula, MT 59804
406-542-5500
10-25-2023

Future Fisheries Improvement Program
c/o Michelle McGree
Montana Fish, Wildlife & Parks
P.O. Box 200701
1420 E. 6th Avenue
Helena, MT 59620-0701

RE: Future Fisheries Funding Request for Riparian Fencing Repairs – Moy Property on Marshall Creek

Dear Panel Members:

This letter is written in support of the 2023 Future Fisheries Improvement Program (FFIP) application submitted by Randy Moy for work on his property along Marshall Creek near Missoula. This is a unique application, as it proposes to repair a previously funded and successful FFIP project that was implemented 20 years ago along Marshall Creek with the same landowner. The current proposal involves repair of water gaps and partial replacement of installed riparian fencing in the same location along Mr. Moy's pasture where he continues to balance management of livestock and protection of a stream that supports a unique migratory cutthroat population.

In the bigger context, lower Marshall Creek is an extremely important source of trout recruitment for the Clark Fork River just upstream of Missoula. FWP and cooperators have completed more than a dozen projects on this and adjacent properties along Marshall Creek (many of which were funded through Future Fisheries) and therefore is an indication of the stream's importance. Mr. Moy's property encompasses much of the high-quality spawning and rearing habitat for migratory and resident trout within the lower stream segment.

I encourage you to support the proposed application for a number of reasons. First, the repair work will ensure that high quality stream and riparian habitat, as well as other previous habitat improvement investments, will continue to be protected. Second, Marshall Creek is a high priority and major source of recruitment for the Clark Fork River fishery immediately upstream of Missoula. Finally, re-authorization of FFIP funds would honor a successful collaboration and the 20-year commitment that Mr. Moy established.

If you have any questions about the project, the fish populations, or history of restoration in Marshall Creek, please feel free to contact our regional fisheries biologist, Ladd Knotek, at 406-552-9415 or lknotek@mt.gov.

Thanks for your consideration.

Sincerely,

Randy Arnold
Region 2 Supervisor

BUDGET TEMPLATE SHEET FOR FUTURE FISHERIES PROGRAM APPLICATIONS

Both tables must be completed or the application will be returned

PROJECT COSTS					CONTRIBUTIONS			
WORK ITEMS (Itemize by Category)	NUMBER OF UNITS	UNIT DESCRIPTION*	COST/UNIT	TOTAL COST	FUTURE FISHERIES REQUEST	MATCH (Cash or Services)**	OTHER (Not part of this application)	TOTAL
Personnel***								
Survey				\$ -				\$ -
Design				\$ -				\$ -
Engineering				\$ -				\$ -
Permitting	5	Hr	\$60 / Hr	\$ 300.00		300.00		\$ 300.00
Oversight				\$ -				\$ -
Maintenance	20 Yrs			\$ 700.00		700.00		\$ 700.00
			Sub-Total	\$ 1,000.00	\$ -	\$ 1,000.00	\$ -	\$ 1,000.00
Travel								
Mileage				\$ -				\$ -
Per diem				\$ -				\$ -
			Sub-Total	\$ -	\$ -	\$ -	\$ -	\$ -
Construction Materials****								
				\$ -				\$ -
Turn Posts	12	(With Install)	\$50.00	\$ 600.00	600.00			\$ 600.00
Rails	11	(With Install)	\$40.00	\$ 440.00	440.00			\$ 440.00
Wood LinePost	12	(With Install)	\$30.00	\$ 360.00	360.00			\$ 360.00
Braces	4	(With Install)	\$175.00	\$ 700.00	600.00	100.00		\$ 700.00
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
			Sub-Total	\$ 2,100.00	\$ 2,000.00	\$ 100.00	\$ -	\$ 2,100.00
Equipment, Labor, and Mobilization								
				\$ -				\$ -
Labor - Repair Riparain Fence Portions	1			\$ 1,000.00		1,000.00		\$ 1,000.00
Repair Creek Crossing	1			\$ 500.00		500.00		\$ 500.00
Labor - Rebuild Corral Portions	1			\$ 800.00		800.00		\$ 800.00
Tractor	12	Hrs	50.00 / Hr	\$ 600.00		600.00		\$ 600.00
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -
				\$ -				\$ -

BUDGET TEMPLATE SHEET FOR FUTURE FISHERIES PROGRAM APPLICATIONS

			\$	-				\$	-
			Sub-Total	\$	2,900.00	\$	-	\$	2,900.00
			TOTALS	\$	6,000.00	\$	2,000.00	\$	4,000.00
								\$	-
								\$	6,000.00

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). Do not use government salaries as match. Describe here or in text.

***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 may require a justification or minimum of two competitive bids for the cost of undertaking the project. For projects that include a maintenance request, it must not exceed 10% of the total project cost.

****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.

Additional details:

APPLICATION MATCHING CONTRIBUTIONS

(do not include requested funds or contributions not associated with the application)

CONTRIBUTOR	IN-KIND	CASH	TOTAL	Secured? (Y/N)
Missoula Conservation District	\$ -	\$ 3,000.00	\$ 3,000.00	N (Approval Pending)
Randy Moy - Landowner	\$ 1,000.00	\$ -	\$ 1,000.00	Y
	\$ -		\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
TOTALS	\$ 1,000.00	\$ 3,000.00	\$ 4,000.00	

OTHER CONTRIBUTIONS

(contributions not associated with the application)

CONTRIBUTOR	IN-KIND	CASH	TOTAL	Secured? (Y/N)
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	
	\$ -	\$ -	\$ -	

BUDGET TEMPLATE SHEET FOR FUTURE FISHERIES PROGRAM APPLICATIONS

	\$	-	\$	-	\$	-	
	\$	-	\$	-	\$	-	
TOTALS	\$	-	\$	-	\$	-	