



# 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):

D. Length of stream or size of lake that will be treated: \_\_\_\_\_

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***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 informationG. necessary to evaluate the merits of the project. If project involves water leasing or water salvage complete a *supplemental questionnaire*. (<http://fwp.mt.gov/fwpDoc.html?id=36110>)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?

**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:       Ryan Neudecker       Date: \_\_\_\_\_

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 <a href="mailto:mmcgree@mt.gov">mmcgree@mt.gov</a> (electronic submissions must be signed) For files over 10MB, use <a href="https://transfer.mt.gov">https://transfer.mt.gov</a>
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*Applications may be rejected if this form is modified.*

Nevada Creek Phase 4 stream restoration  
**BUDGET TEMPLATE SHEET FOR FUTURE FISHERIES PROGRAM APPLICATIONS**

008-2020

Both tables must be completed or the application will be returned

WORK ITEMS (ITEMIZE BY CATEGORY)	NUMBER OF UNITS	UNIT DESCRIPTION*	COST/UNIT	TOTAL COST	CONTRIBUTIONS			
					FUTURE FISHERIES REQUEST	IN-KIND SERVICES**	IN-KIND CASH	TOTAL
<b>Personnel***</b>								
Survey	60	hrs	\$100.00	\$ 6,000.00			6,000.00	\$ 6,000.00
Design	120	hrs	\$110.00	\$ 13,200.00			13,200.00	\$ 13,200.00
Engineering	50	hrs	\$100.00	\$ 5,000.00			5,000.00	\$ 5,000.00
Permitting	45	hrs	\$45.00	\$ 2,025.00		2,025.00		\$ 2,025.00
Oversight	250	hrs	\$115.00	\$ 28,750.00			28,750.00	\$ 28,750.00
Oversight	190	hrs	\$45.00	\$ 8,550.00		8,550.00		\$ 8,550.00
			Sub-Total	\$ 63,525.00	\$ -	\$ 10,575.00	\$ 52,950.00	\$ 63,525.00
<b>Travel</b>								
Mileage	5280	miles	\$0.58	\$ 3,062.40		3,062.40		\$ 3,062.40
			Sub-Total	\$ 3,062.40	\$ -	\$ 3,062.40	\$ -	\$ 3,062.40
<b>Construction Materials****</b>								
Transplants	150	each	\$25.00	\$ 3,750.00		3,750.00		\$ 3,750.00
Willow Cuttings	35000	each	\$1.00	\$ 35,000.00	5,000.00	15,000.00	15,000.00	\$ 35,000.00
Fence	14000	ft	\$1.50	\$ 21,000.00	2,000.00		19,000.00	\$ 21,000.00
Water Gap	2	each	\$500.00	\$ 1,000.00			1,000.00	\$ 1,000.00
Brush	60	CY	\$100.00	\$ 6,000.00	3,000.00	1,500.00	1,500.00	\$ 6,000.00
Wood	100	CY	\$250.00	\$ 25,000.00		12,500.00	12,500.00	\$ 25,000.00
Gravel	6195	CY	\$5.00	\$ 30,975.00		30,975.00		\$ 30,975.00
Sod	84,000	SQ FT	\$0.35	\$ 29,400.00		29,400.00		\$ 29,400.00
			Sub-Total	\$ 152,125.00	\$ 10,000.00	\$ 93,125.00	\$ 49,000.00	\$ 152,125.00
<b>Equipment and Labor</b>								
Hydraulic Excavator	625	hrs	\$168.00	\$ 105,000.00	35,000.00		70,000.00	\$ 105,000.00
Hydraulic Excavator	600	hrs	\$165.00	\$ 99,000.00	9,000.00		90,000.00	\$ 99,000.00
Tracked Skidsteer	200	hrs	\$95.00	\$ 19,000.00	5,000.00		14,000.00	\$ 19,000.00
Off Road Truck	500	hrs	\$170.00	\$ 85,000.00	5,000.00		80,000.00	\$ 85,000.00
Labor	200	hrs	\$45.00	\$ 9,000.00	2,000.00		7,000.00	\$ 9,000.00
			Sub-Total	\$ 317,000.00	\$ 56,000.00	\$ -	\$ 261,000.00	\$ 317,000.00
<b>Mobilization</b>								
All Equipment	1	lump Sum	\$15,000.00	\$ 15,000.00			15,000.00	\$ 15,000.00
			Sub-Total	\$ 15,000.00	\$ -	\$ -	\$ 15,000.00	\$ 15,000.00
<b>TOTALS</b>				\$ 550,712.40	\$ 66,000.00	\$ 106,762.40	\$ 377,950.00	\$ 550,712.40

**\*\*Design and oversight consultant was selected through a competitive Request for Proposals process**

**MATCHING CONTRIBUTIONS** (do not include requested funds)

<b>CONTRIBUTOR</b>	<b>IN-KIND SERVICE</b>	<b>IN-KIND CASH</b>	<b>TOTAL</b>	<b>Secured? (Y/N)</b>
Landowner	\$ 76,625.00	\$ -	\$ 76,625.00	Yes
WestSlope TU Chapter	\$ -	\$ 9,000.00	\$ 9,000.00	No
USFWS Partners Program	\$ -	\$ 10,000.00	\$ 10,000.00	Yes
DEQ 319 Program	\$ -	\$ 289,000.00	\$ 289,000.00	Yes
NFWF	\$ -	\$ 28,000.00	\$ 28,000.00	Yes
Log Jam Presents	\$ -	\$ 30,000.00	\$ 30,000.00	Yes
Big Blackfoot Chapter of Trout Unlimited	\$ 28,637.49	\$ 13,449.91	\$ 42,087.40	Yes
<b>TOTALS</b>	<b>\$ 105,262.49</b>	<b>\$ 379,449.91</b>	<b>\$ 484,712.40</b>	

NEVADA LAKE

141

NEVADA CREEK

EXTENT BELOW

0 2,000 4,000 Feet

### NEVADA CREEK RESTORATION PHASE 4 - PROJECT SITE

MANNIX RALPH E JR

MANNIX RALPH E JR

141

IVERSON RANDY A

PROJECT END

FLOW

46°46'37"N ; 112°45'48"W

NEVADA CREEK

ARKELL VINCENT DAVID TRUSTEE

PROJECT START

0 500 1,000 Feet 1:6,000

**Existing conditions along Nevada Creek Phase 4. An estimated 545 tons of sediment are being generated from streambank erosion annually through this stretch of Nevada Creek.**



**Note the high width to depth ratio through this section of Nevada Creek and lack of a functional riparian zone. 30% of stream banks suffer from very high to high levels of bank erosion.**

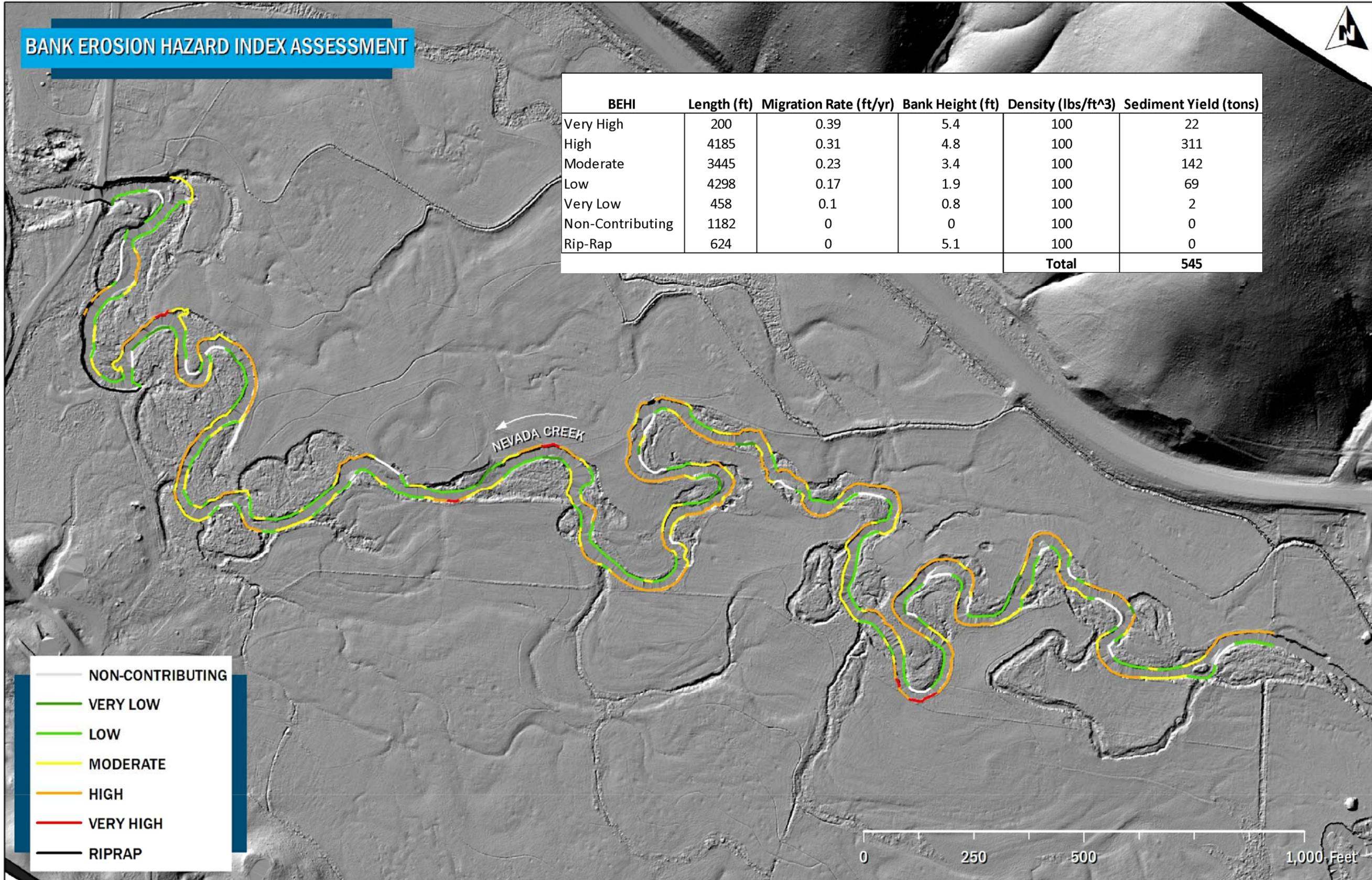


**Private landowner walking his stretch of property along Nevada Creek phase 4 and participating in fisheries monitoring downstream of reservoir.**

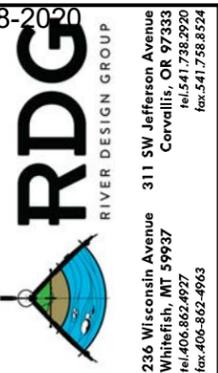


**BANK EROSION HAZARD INDEX ASSESSMENT**

BEHI	Length (ft)	Migration Rate (ft/yr)	Bank Height (ft)	Density (lbs/ft <sup>3</sup> )	Sediment Yield (tons)
Very High	200	0.39	5.4	100	22
High	4185	0.31	4.8	100	311
Moderate	3445	0.23	3.4	100	142
Low	4298	0.17	1.9	100	69
Very Low	458	0.1	0.8	100	2
Non-Contributing	1182	0	0	100	0
Rip-Rap	624	0	5.1	100	0
<b>Total</b>					<b>545</b>



- NON-CONTRIBUTING
- VERY LOW
- LOW
- MODERATE
- HIGH
- VERY HIGH
- RIPRAP



**EXISTING CONDITIONS: BANK EROSION HAZARD INDEX ASSESSMENT**  
 NEVADA CREEK PHASE 4  
 NEAR HELMVILLE, MONTANA

NO.	DATE	BY	DESCRIPTION	CHK
1	9-12-19	NW	Conceptual Design	JM

PROJECT NUMBER  
RDG-18-002

SHEET NUMBER  
**2.1**

(sent via email on April 12, 2019)Hello Ryan;

I got your email last night and am excited that we might get something started on the creek this year.

I remember sixty years ago when I was a teenager, the creek was beautiful with lots of willows along the banks, deep quiet pools and fishermen landing four pound trout on a regular basis. One pool straight down from the house was a favorite during haying. At the end of the day we kids would grab a bar of soap, and towel and head for the creek. In a half hour we would be cooled off, cleaned up, relaxed, and ready for supper.

As years went on the willows started dying and we were told that the cattle in the creek were the problem so we fenced the creek, moved the cattle, and put in waterers. The willows continued to die or the banks they were growing on undercut, sloughed off, and went down the creek during high waters. The swimming holes also are long gone.

Dave Rosgen has been spending a day with his class each year for 20+ years monitoring the creek. All of the posts they put in for reference points have long since washed away.

I think I told you that my claim as a golfer & fisherman is that I played golf in 1956 & fished in 1958, so I wasn't prepared when Ron Pierce shocked the creek and came up with almost nothing. Now I realize why I have almost no one asking permission to fish any more.

In conclusion, Ryan, I know I have problems. I don't like to see my hay meadows going down the creek, the Nevada Creek Water Users don't appreciate it filling their lake & the fish don't like me anymore.

Seeing what was done on Wade Stitt's property really opened my eyes that it might be possible to recapture what once was.

So, yes, you have permission to walk the creek, survey it, finalize designs, & whatever needs to be done to make the project happen.

I know that I have neither the time, knowledge, equipment, or money to do the job but I wish you God's speed and pray that you will succeed in putting it all together.

Much Appreciation & Thanks;  
Rem



United States Department of the Interior  
FISH AND WILDLIFE SERVICE  
MONTANA PARTNERS FOR FISH & WILDLIFE PROGRAM  
PO Box 66  
Ovando, Montana 59854 406/793.7400

IN REPLY REFER TO:

November 27, 2019

Montana Future Fisheries Committee  
1420 E 6<sup>th</sup> Ave  
Helena, MT 59620

Dear Committee Members:

This letter is in reference to the Nevada Creek Restoration Project located in the Blackfoot Watershed being proposed by the Big Blackfoot Chapter of Trout Unlimited. The U.S. Fish and Wildlife Service fully support this project because of the incredible biological values associated with it.

The Partners for Fish and Wildlife has a long history of working with the associated private landowners and other partners collaborating to restore the native trout fishery of this important tributary to the Blackfoot River. This project is exciting in that we will be able to continue our efforts of restoring native trout within the watershed by working with committed landowners.

We commend the efforts of the many partners for their time and due diligence with this important project and urge the 319 Nonpoint Source Program Review Committee to support this grant application.

If you have any questions regarding this project feel free to contact me.

Sincerely,

Greg Neudecker  
State Coordinator  
Partners for Fish and Wildlife Service



Patrick Uthe  
3201 Spurgin Road  
Missoula, MT 59804  
406-542-5532  
patrick.uthe@mt.gov

November 26, 2019

Montana Fish, Wildlife and Parks  
Attn: Michelle McGree  
1420 East 6<sup>th</sup> Ave.  
Helena, MT 59620

Dear Future Fisheries Panel:

I am writing to express support for the Big Blackfoot Chapter of Trout Unlimited's Nevada Creek Phase 4 Restoration project. Upper Nevada Creek is considered a moderate priority in the Blackfoot River prioritization framework, but ranks high for native species values and its potential to improve downstream water quality. The proposed project is directly upstream of Nevada Reservoir where current limiting factors include poor riparian and streambank conditions from livestock grazing, lack of instream habitat complexity, and low flows from irrigation impacts. Furthermore, the bank erosion is contributing significant quantities of sediment and nutrients to the project reach, as well as downstream to Nevada Reservoir. Restoration efforts in the Nevada Creek drainage have increased in recent years and are eliciting very encouraging responses from the salmonid community.

Electrofishing surveys were conducted in the project reach in 2016 and 2017 to collect baseline fish population data and revealed that average trout abundance was 135 trout/mile. Compared to trout abundance in restored sections of lower Nevada Creek, this is well below the expected habitat capacity if this section was in an unimpaired condition. Following completion of the Phase 1 project, density of age-1 and older trout increased from 243 trout/mile to an average post-restoration density of 567 trout/mile. Similar habitat actions and treatment techniques are proposed for the Phase 4 project, which are expected to provide similar benefits to the fish community.

In 2002, FWP discontinued rainbow trout stocking in Nevada Reservoir and started stocking native westslope cutthroat trout to provide a new fishing opportunity, as well as align lake management with the objectives of the Blackfoot River conservation program. Subsequent surveys revealed limited recruitment of westslope cutthroat trout, suggesting significant restoration actions in upper Nevada Creek are necessary to establish a quality, self-sustaining cutthroat trout fishery in the reservoir and upper Nevada Creek. The proposed actions in Phase 4

are consistent with this recommendation and will also benefit the fishery in Nevada Reservoir by decreasing sediment and nutrient inputs.

Implementation of the Nevada Creek Phase 4 project will represent the first major restoration action in upper Nevada Creek. Funding this project will not only provide immediate local benefits, but it will facilitate future opportunities to implement additional large-scale projects that are necessary to advance Nevada Creek towards its full potential. The previous three phases of Nevada Creek restoration received Future Fisheries funding, and the success of those projects demonstrate that continued support is a worthwhile investment and aligns with the mission of the Future Fisheries Improvement Program. Thank you very much for consideration of this funding request. Please do not hesitate to contact me if you have any questions or would like additional fisheries information from the project area.

Sincerely,

A handwritten signature in black ink, appearing to read "Patrick Uthe", written over a horizontal line.

Patrick Uthe  
Fisheries Biologist