FUTURE FISHERIES IMPROVEMENT PROGRAM GRANT APPLICATION

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

I. APPLICANT INFORMATION

A. Applicant Name: City of Missoula

Mailing Address: PO Box 5388

City: Missoula State: MT Zip: 59806

Telephone: 406-552-6766 E-mail: mcinnisl@ci.missoula.mt.us

B. Contact Person (if different than applicant): Logan McInnis

Address: PO Box 5388

City: Missoula State: MT Zip: 59806

Telephone: 406-552-6766 E-mail: mcinnisl@ci.missoula.mt.us

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

Mailing Address:

City: State: Zip:

Telephone: E-mail:

II. PROJECT INFORMATION

A. Project Name: Water Savings and Elimination of Fish Entrainment at Flynn-Lowney Ditch

River, stream, or lake: Clark Fork River

Location: Township: 13N Range: 19W Section: 21

Latitude: 46.875259°N Longitude: -114.006008° W *within project (decimal degrees)*

County: Missoula

B. Purpose of Project:

The proposed project would decommission the Flynn-Lowney Ditch (a legal water diversion off of the Clark Fork River) to improve the Missoula area wild trout fishery and fish community. The project would have two immediate benefits: (1) direct and permanent enhancement of instream flows for the Clark Fork River and (2) complete elimination of fish entrainment and loss at a location directly downstream of a major spawning tributary (Rattlesnake Creek). Additional benefits of decommissioning the ditch could be achieved through subsequent projects to mitigate physical river habitat impacts associated with the diversion inlet channel, headgate infrastructure, and artificial debris placed in the river.

The project is a collaboration among the City of Missoula, Montana FWP, private conservation groups, and other partners. The City of Missoula has negotiated an agreement to purchase the assets of the Hellgate Valley Irrigation Company, which operates the Flynn-Lowney Ditch. The Future Fisheries Grant funding would be used to make up a shortfall in funding to acquire the irrigation company's assets.

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

The Hellgate Valley Irrigation Company diverts water from the right bank of the Clark Fork River near downtown Missoula. The company was incorporated in 1919 and manages the canal known as the Flynn-Lowney Ditch. The Flynn-Lowney ditch has a capacity in excess of 40 cfs and length of around 4.5 miles. The proposed acquisition was developed during the City of Missoula's Mullan BUILD project, which includes a series of infrastructure improvements in the west portion of the City. As an alternative to installing costly ditch culverts, upgrades and other features within the constrained urban setting to facilitate the Mullan BUILD project, the City offered to buy the assets of the irrigation company, which was suffering from an inability to keep adequate flows of water in the ditch and to keep up with maintenance and operations costs.

After acquisition of the company assets, a portion of the the City's purchase price will be used by the irrigation company to provide alternative water sources (e.g., wells) for any legal water users that remain in the area. The remainder of the City's purchase price will be used to compensate other shareholders for giving up their ability to use water. Once all wells are in service (anticipated in summer, 2022), the City proposes to decommission the Flynn-Lowney Ditch.

The full water right of the company is approximately 40 cubic feet per second (cfs). A portion of those rights may be transferred to groundwater wells drilled for current irrigators, anticipated to be 10-20 cfs, leaving the remaining 20-30 cfs available for instream flows. After groundwater wells are installed to facilitate active irrigators, the City will submit an application to MT DNRC to change the beneficial use of the remaining water rights to augment instream flows.

Acquisition of the ditch is a practical solution that provides continued water and flexibility for water users, eliminates the need for ditch infrastructure and maintenance, and provides significant fisheries and environmental benefits. In addition, decommissioning the Flynn-Lowney Ditch will eliminate the need for a costly fish screen, which would cost nearly $400,000 alone, and mitigate chronic river manipulation associated with 'chasing water' to divert it toward the headgate. Implementing this project also sets the stage for restoration of manipulated river features, clean-up of placed debris and restoration of a series of related problems in this river reach. The fish screen project was anticipated to request approximately $100,000 from the Future Fisheries Improvement Program, which will no longer be necessary. In addition to the significant capital costs of the fish screen, there also would have been significant ongoing maintenance costs in perpetuity that can also be avoided with a more permanent solution of decommissioning the ditch.

This proposal represents a time-sensitive opportunity to decommission the canal system and mitigate the associated environmental impacts. The project is feasible because of the cost savings to the City of Missoula's Mullan BUILD project if the ditch can be decommissioned. The total estimated cost of the project is $990,000 as described in the project budget. The City is requesting $100,000 from the Future Fisheries Improvement Program and has $805,000 in City and other private funding identified for the required matching funds. Thus, the City is only requesting just over 10% of the total cost of this project, which is leveraging significant funding from a number of other sources. The agreement with the irrigation company allows for a 6-month due diligence and fundraising phase to close the funding gap. The project has been presented to the City Council but cannot receive final approval until the due diligence is completed. The

D. Length of stream or size of lake that will be treated (project extent): Point location (headgate)

Length/size of impact, if larger than project extent (e.g. stream miles opened): >30 miles of Clark Fork River

E. Project Budget:

Grant Request (Dollars):	**$**	**100,000**
Matching Dollars:	**$**	**890,000**
Matching In-Kind Services:*	**$**	

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

Other Contributions (not part of this app)	**$**	
Total Project Cost:	**$**	**990,000**

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

G. **Insert** or **attach** a project location map showing the project area in relation to a major landmark or town. Please indicate if the project location is on public or private property.

The attached Exhibit 1 shows the location of the diversion and the entire ditch system. The diversion and a portion of the ditch reside inside the City of Missoula while the area served by the ditch is largely outside the city limits. The majority of property occupied by the ditch is on private property with easements allowing the ditch to occupy the property.

H. **Attach** specific project plans (e.g. detailed sketches, plan views [showing location and type of channel modifications], example photographs), current condition photographs, and maps. **If project involves water leasing or water salvage complete and attach a supplemental questionnaire (fwp.mt.gov/habitat/futurefisheries/supplement2.doc).*

Several photographs of the area around the existing irrigation diversion are included in Exhibit 2.

I. **Attach** letters or statements of support. Several letters of support are included in Exhibit 3.

Letters of support are included in the Appendix

J The project agreement includes a 20-year maintenance commitment. Please indicate (yes or no) that you will ensure project protection for 20 years. Discuss your ability to meet this commitment.

Yes [x] No [ ]

The City agrees to maintain all facilities it is acquiring from the HVIC, including closing off the diversion structure once all irrigation wells are in service and water rights have been transferred (anticipated in summer, 2022). Future plans include decommissioning of the structure, cleaning up placed debris, remediating channel modifications, and other restoration activities in this river reach.

K. **Describe** or **attach** land management & maintenance plans, including changing to grazing regimes, that will ensure protection of the restored area.

There are no known changes required for maintenance of the closed irrigation diversion as it exists. Future projects will result in removal of the irrigation diversion and associated debris, channel modifications and associated restoration.

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

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

All species and size classes of fish in this Clark Fork River reach will benefit from instream flow enhancement and reduced direct stranding mortality in the canal. Species include westslope cutthroat trout, bull trout, rainbow trout, brown trout, mountain whitefish, largescale sucker, longnose sucker, northern pikeminnow, redside shiners, and others.

Total fish entrainment in the ditch has been difficult to estimate as much of the upper portions are underground or inaccessible. However, surveys by FWP and volunteers at a few accessible locations in 2020 revealed considerable numbers of westslope cutthroat trout, rainbow trout, brown trout, mountain whitefish, largescale suckers, sculpin, redside shiner and northern pikeminnow. There is no question that thousands of fish are currently stranded annually in the ditch system. The location is also very significant as the headgate is directly downstream of the mouth of Rattlesnake Creek on the same (north) river bank.

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

The project will contribute 20-30 40 cfs of diverted water back to instream flows in the Clark Fork River, eliminate the entrainment of significant numbers of trout and other native species in the ditch system, facilitate future efforts to eliminate the headgate and diversion structure, clean up debris placed in river to ‘chase water’, and allow instream work to eliminate a manmade constriction to the river to force water into the irrigation ditch which will help return this stretch of river to a more natural form and function.

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

Yes. The project directly mitigates or eliminates two primary limitations on the middle Clark Fork River fishery. This river reach is heavily used by anglers (>50,000 angler days most years (FWP angler use surveys)), despite being well below carrying capacity for trout (population estimates typically only 250-400 catchable trout per mile (FWP)).

The middle Clark Fork River wild trout fishery has always been considered recruitment-limited and susceptible to dewatering and elevated river temperatures in summer. This is a key project in permanently and directly addressing these issues.

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

Yes. By enhancing instream flows and reducing direct fish mortality in the diversion, the project is expected to immediately and permanently enhance public fishing opportunity for trout, mountain whitefish and other species.

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

Cause of impact is historic legal diversion and use of water from Clark Fork River and associated (unintentional) entrainment and mortality of fish Project will directly and permanently address these issues in a heavily populated and utilized area within and directly adjacent to Missoula.

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

There are numerous public benefits associated with the project, including: conservation of public fisheries and aquatic resources, overall water savings and enhanced river instream flow during summer and fall, and elimination of ditch maintenance costs. Subsequent work related to the diversion decommissioning will improve aesthetics, provide a more natural channel morphology, enhance river side-channel habitat and habitat complexity, and facilitate correction of other problems/issues in this river reach. As mentioned above, this project also eliminates the need for an expensive fish screen.

There are also public benefits not associated with aquatic resource conservation. For instance, the current ditch system encumbers numerous private properties and public infrastructure, and the open ditch is considered a safety hazard as it passes through an urban setting.

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

This project will eventually eliminate legal easements and the ditch infrastructure across numerous properties, including many that do not even have access to the irrigation water. This will result in significant added value to all of these properties. The project will modify water rights, but the individual shareholders being affected are being compensated and the Hellgate Valley Irrigation Company has willingly agreed to this purchase, based on the fair compensation that was offered. The irrigators who will be receiving new wells with water rights transferred from the surface water rights will have much improved access to water throughout the irrigation season, as the ditch company struggled to keep flows in the ditch late in the season.

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

No. The project will improve the fishery and aquatic resources in this section of the Clark Fork River by decommissioning the ditch. This will lead to expanded opportunities for both public and commercial recreation.

I. 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.

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: Jogan McInnis Date: 5/27/2021

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:	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

Applications may be rejected if this form is modified.

EXHIBIT 1

Flynn-Lowney Ditch Area

Hellgate Valley Irrigation Co.
and Related Parcels

Legend

- Flynn-Lowney Diversion
- Flynn-Lowney Ditch
- HVIC Shareholder Property (per cadastral)
- HVIC Irrigation (per 1958 Water Res Survey)

02 01 06 05 11 12 07 14 13 18 17 24 19

13N 20W

13N 19W

MISSOULA COUNTY AIRPORT AUTHORITY

FLYNN FAMILY LIMITED PARTNERSHIP (Colleen (Flynn) McKinley)

FLYNN FAMILY LIMITED PARTNERSHIP (Mary Ernesto)

ZOOTOWN INVESTMENTS LLC

SHELTER WEST INC

DONOVAN TIMOTHY P

STRATFORD ENTERPRISES LLC

EDWARDS MAUREEN M

Kosena James A

STAHL TRACIE A

JACOBSEN HADELINE

GARNER DWAYNE C

FLYNN FAMILY LIMITED PARTNERSHIP (James Flynn)

FLYNN KATHRYN R FAMILY LTD PARTNERSHIP (Michael Flynn)

SPURLOCK HARRIET

STEMPLE BRAD

POLINSKY MARY L

MILLER KENNETH J II

SCOTT WALTER N

HEGEL FRANK O & LORRIE

STRATFORD ENTERPRISES LLC

SCALLY LINDA L

SHELTER WEST INC

GLOUSE DALE A

JTL GROUP INC

GLOUSE MITZIE M

FREY C FREDRICK

EDWARDS PARKE G (Susie Miller)

STAHL W EDWIN & SON LLP

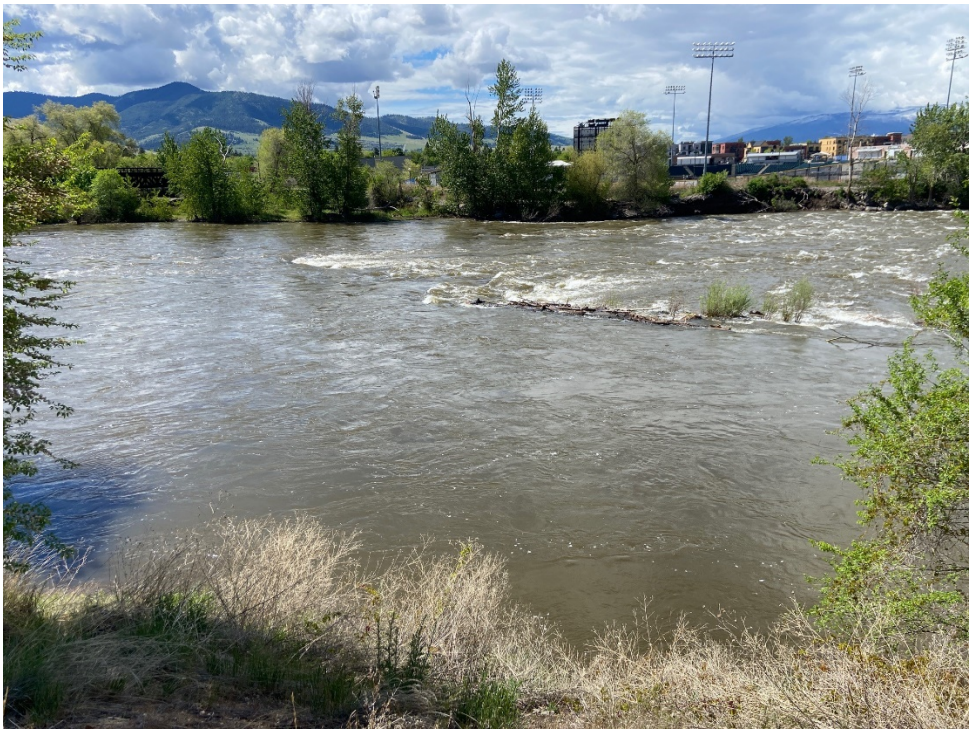
0 0.25 0.5 1 Miles

WGMGROUP
www.wgmgroup.com

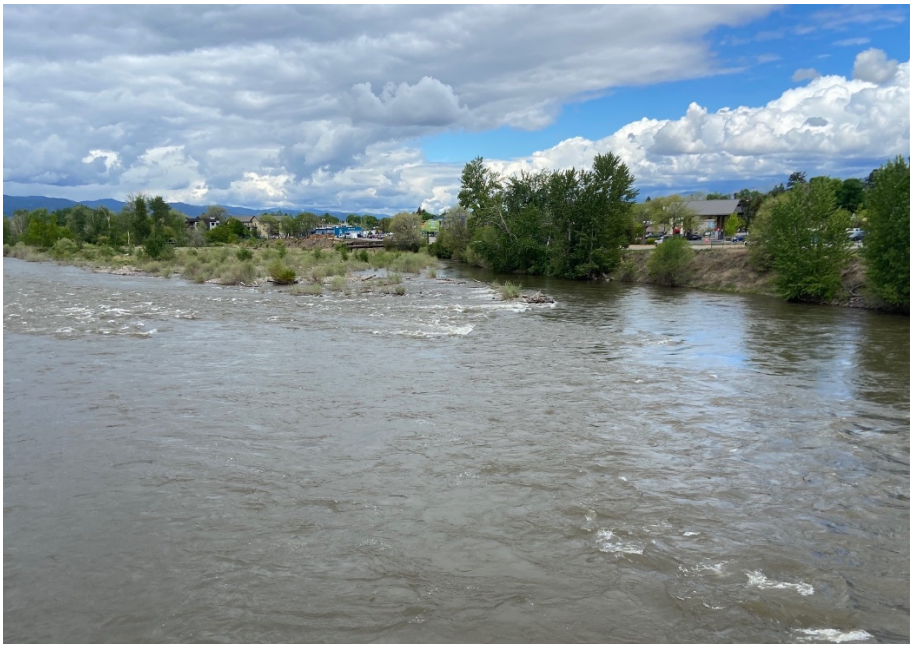
LOC: **Missoula County** PROJ MGR: **J Merritt**
TR: **13N 19W & 20W** DRAWN BY: **jmm**
BASE: **2019 Aerial** PROJ: **170805.0**
FILE: **FlynnLowneyDitchShareholders** DATE: **5/19/2021**

Exhibit 2: Pictures of diversion structure

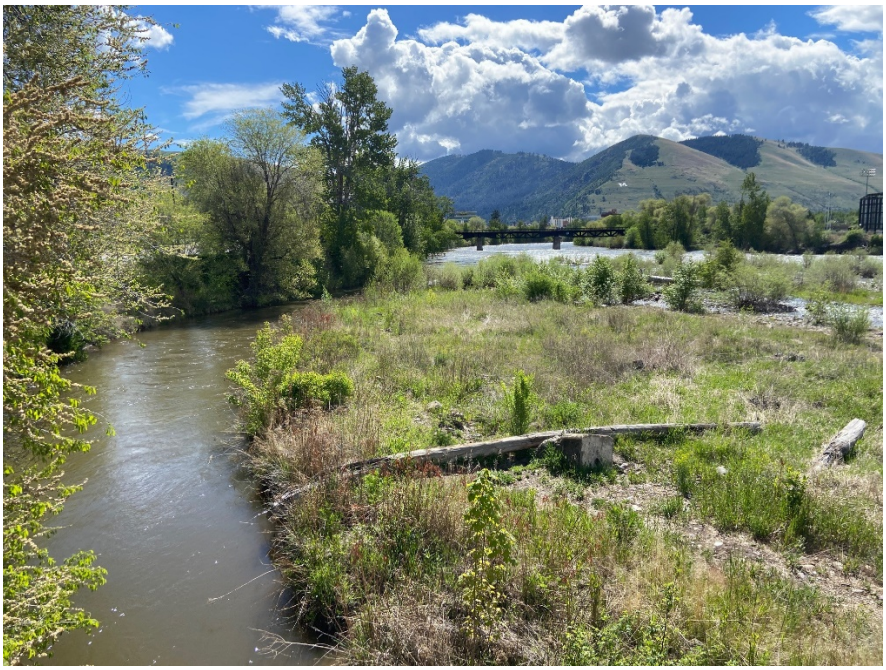
Picture 1: View of diversion structure from north bank



Picture 2: View of diversion structure from south bank, showing upper end of side channel where Flynn-Lowney ditch starts



Picture 3: View from side channel looking upstream. The ditch head gate is located further downstream in this side channel



Picture 4: View from side channel looking downstream. The ditch head gate is located further downstream in this side channel

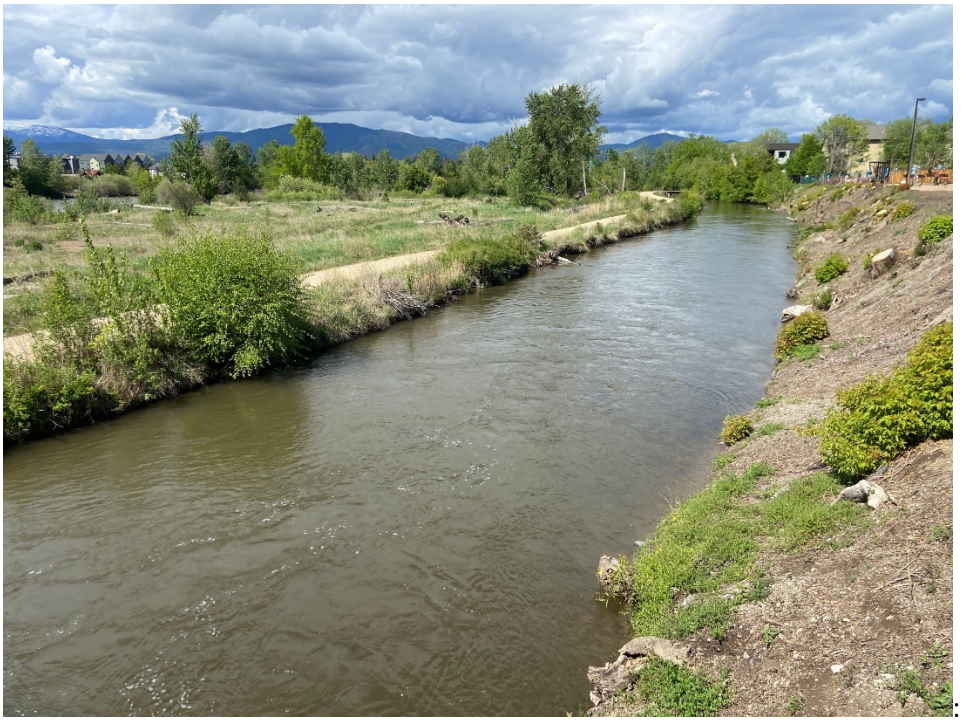


EXHIBIT 3
Letters of Support

FWP.MT.GOV

THE **OUTSIDE** IS IN US ALL.

Region 2 Headquarters
3201 Spurgin Road
Missoula, MT 59804
Phone 406-542-5506
May 27, 2021

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

RE: Future Fisheries Proposal Regarding Decommissioning of HVIC Diversion and Flynn-Lowney Ditch Proposal from City of Missoula, Montana FWP, and Numerous Partner Organizations

Dear Review Committee Members:

This letter in written in support of the cooperative project application submitted by the City of Missoula involving decommissioning of the Hellgate Valley Irrigation Company's (HVIC) Flynn-Lowney Ditch. The project proposes to discontinue water withdrawals from the Clark Fork River, while eliminating associated aquatic resource impacts (e;g; fish entrainment) and maintenance requirements, improving city infrastructure, and satisfying the needs of legal water right holders.

This project was brought forward by professionals from the City of Missoula when they realized that maintenance and infrastructure-related costs associated with continued operation of the ditch would be extensive as it runs right through the city of Missoula. After some research and financial estimates, it quickly became apparent that costs of decommissioning the ditch and eliminating environmental impacts were comparable to the price of continued maintenance, associated public infrastructure improvements, and future service for water users. When other natural resource professionals and conservation groups became aware of the potential project, it was unanimously considered a 'win-win' project with really no down side.

Specific major benefits of the project include Clark Fork R. instream flow enhancement, mitigation of fish entrainment losses, and river restoration opportunities in the headgate area. Although some of the 40 cfs in direct water savings for the Clark Fork River will be utilized via off-site groundwater pumps, the indirect river impacts will be negligible compared with direct surface water diversion. The project will also completely negate the need for a fish screen (> $400,000 price estimate) in a context where the ditch headgate is directly downstream of the mouth of a key spawning tributary (Rattlesnake Creek) and recruitment source for the Clark Fork River fishery in Missoula. The proposed project also directly alleviates the need for ditch maintenance and provides an opportunity to curb and correct river-front impacts associated with ongoing diversion practices.

We have been involved with numerous Future Fisheries (FFIP) funded projects over the past two decades and this project is undoubtedly one of the most impactful and cost-effective long-term investments proposed to benefit fisheries in the Missoula area. Please consider supporting this project and don't hesitate to contact us if you would like additional information.

Sincerely,

W. Ladd Knotek
Fisheries Management Biologist – Missoula Area

Patrick Saffel
Regional Fisheries Program Manager

CLARK FORK COALITION

May 26, 2021

Michelle McGree
Montana FWP
Future Fisheries Improvement Program
1420 East Sixth Ave
Helena, MT 59620

Dear Ms. McGree;

The Clark Fork Coalition would like to manifest its strong support for the City of Missoula's proposed project to purchase and decommission the Flynn-Lowney Ditch in downtown Missoula. We have participated with Fish Wildlife and Parks in rescue of entrained fish in this ditch, and we believe that decommissioning the ditch is the best solution for the river.

The Coalition is a partner in this Project, and is committed to provide approximately $30,000 of professional services to the City's project. As the City assumes ownership of the Hellgate Valley Irrigation Company's (HVIC) assets, there is an opportunity to change the beneficial use of a large portion of the Company's water rights from irrigation to instream flow in the Clark Fork river. The new instream flow to be created is estimated at 30 CFS, which is a substantial input of water to the river during drought years. The Coalition has expertise in instream flow transactions, and our Restoration Director and Staff Attorney will both be involved in executing this critical portion of the Project.

We believe this Project will be a major advance in improving instream flow, and reducing entrainment of native and sport fish in this portion of the Clark Fork River. Please be assured of our commitment to this Project, and particularly to creating the greatest possible instream flow benefit to the River and its fishery.

Thank you.

Sincerely,

Will McDowell, Restoration Director
Clark Fork Coalition

CC: Logan McInnis, City of Missoula

May 26, 2021

To Whom this Concerns,

I write this letter of support with great enthusiasm and wholehearted support for funding of the Flynn-Lowney Ditch decommission and alternative water development project, and the associated agreement with the Hellgate Valley Irrigation Company. This project is a win-win from all perspectives--fisheries, irrigators, Missoula public, and the tribal community. It is the rare water project that so clearly benefits all.

As a professional with the Confederated Salish and Kootenai Tribes (CSKT), I have a long history working towards mitigating the impacts of irrigation on area fisheries. Open, unscreened surface water diversions are one such impact. Unscreened diversions not only divert fish from streams, but they also alter the natural hydrology of flowing waters and reduce the quality and quantity of habitat available to fishes. Beyond that, these same operations often also return a portion of the diverted flows as wastewater back to surface waters, causing additional impacts. While these negative influences can vary, and often scale to the size of the diversion and the size of stream, eliminating a 40 cfs diversion will undoubtedly benefit the aquatic resource.

Over the past decades, I have been involved in or are aware of many other conservation actions that the CSKT have been directly involved with or otherwise supported for the enhancement of the Clark Fork River fishery. These include the ARCO settlement, Milltown Dam removal, Rattlesnake Dam removal, and all three hydropower dam mitigation development and implementation plans in the lower Clark Fork. The proposed project is a good continuum of these collective conservation actions. The CSKT have a vested interest in this project area and are fully supportive of ongoing efforts to conserve and enhance the interconnected Rattlensnake Creek and Clark Fork River fisheries. The Missoula area has long been important to the Salish and Pend d'Orelle people, especially for its fishery. Where this ditch currently diverts surface water, there is a place name (*Nłʔay)*, Place of the Small Bull Trout, near the confluence of Rattlesnake Creek.

While it is not my place to expound on all the project's benefits to the public, irrigators, and the city of Missoula's long-term economics, I am familiar enough with the benefits to say this project is a no-brainer. I see no downside, and as to the cost-benefit calculations, should that become a factor, I suggest adding in the cost of a fish screen should the current diversion of surface water continue. While a fish screen only solves one of the many impacts caused by this surface water diversion, in this case, I feel it should become a relevant factor in the decision making process for project funding. In closing, given the unusual alignment of benefits to all, to not seize the moment and fund the project would be regrettable.

Sincerely,

Les Evarts
Program Manager,
CSKT Fisheries Program

Rob Roberts
Project Manager

Michelle McGree
Montana FWP
Future Fisheries Improvement Program
1420 East Sixth Ave
Helena, MT 59620

May 20, 2021

Dear Michelle:

Please accept this letter as Trout Unlimited's endorsement of the Hellgate Valley Irrigation Company acquisition proposed by the City of Missoula. The City is applying to the Future Fisheries Improvement Program for match funding to acquire the Flynn-Lowney Ditch, including all water rights and associated infrastructure.

There all currently five large irrigation ditches on the mainstem Clark Fork River near Missoula. In a recent evaluation of these ditches, TU has identified the Flynn-Lowney Ditch as a high priority for potential work, including water conservation and fish screening due to its location downstream of Rattlesnake Creek. The City's effort to acquire the ditch company provides a common-sense solution to multiple problems associated with the site, and the ditch company is receptive to the buyout because of changing water use on the landscape and the long term costs of maintaining the irrigation infrastructure. Furthermore, a fish screen alone at this location would cost nearly $.5M to design and install, and would not solve the problems associated with diversion debris in the river, expensive screen and ditch maintenance, and dwindling water supplies.

TU has worked with the City of Missoula on past cooperative projects in the in the Clark Fork River watershed, like the recent removal of the lower Rattlesnake Creek Dam. TU has dedicated staff time and financial resources to these and other projects in the area, and will continue to work with the City and Montana FWP on Phase II of this project, which will include restoration of the site and nearby river features.

The Hellgate Valley Irrigation Company Acquisition is a priority project, and funds from the Future Fisheries Improvement Program will ensure that fisheries and water resources are protected in the long term. Thank you very much for the funding opportunity and your continued work for natural resources. Please do not hesitate to contact me if you have any questions.

Sincerely,

Rob Roberts

Letter of Support for the City of Missoula's Application for Future Fisheries Grant Funding

To Whom it May Concern,

Hellgate Hunters and Anglers is a local 501c3 non-profit "rod and gun" conservation club based in Missoula, Montana representing over 400 members and supporters. Our mission is to conserve Montana's wildlife, wild places, and fair-chase hunting and fishing heritage.

We write this letter to voice our support for the City of Missoula in their pursuit of Future Fisheries Funding aimed to assist in purchasing the assets from the Hellgate Valley Irrigation Company to solve longstanding fisheries and maintenance issues associated with the Flynn-Lowney Ditch. This project will have significant fisheries benefits and will limit fish entrainment and add additional flow to the Clark Fork.

We appreciate the City of Missoula in pursuing this project as the long-term benefits to the fishery are significant. Maintaining a quality fishery within the city limits is important to our members and especially important for introducing new and young anglers to the sport. Although we recognize significant challenges remain with Missoula's historic irrigation infrastructure this project serves as an excellent step in the right direction and we applaud the City of Missoula in this effort.

Sincerely,

Walker Conyngham

President, Hellgate Hunters and Anglers

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				$ -				$ -
Oversight				$ -				$ -
				$ -				$ -
			Sub-Total	$ -	$ -	$ -	$ -	$ -
Travel								
Mileage				$ -				$ -
Per diem				$ -				$ -
			Sub-Total	$ -	$ -	$ -	$ -	$ -
Construction Materials****								
				$ -				$ -
				$ -				$ -
Ditch Acquistion				$ -	100,000.00	704,000.00		$ 804,000.00
Water Rights Transfers				$ -		30,000.00		$ 30,000.00
Missoula Water drilling of wells for Airport and Clouse				$ -		100,000.00		$ 100,000.00
Ditch Mitigation (problem areas only)				$ -		25,000.00		$ 25,000.00
Contingency				$ -		31,000.00		$ 31,000.00
				$ -				$ -
				$ -				$ -
			Sub-Total	$ -	$ 100,000.00	$ 890,000.00	$ -	$ 990,000.00
Equipment, Labor, and Mobilization								
				$ -				$ -
				$ -				$ -
				$ -				$ -
			Sub-Total	$ -	$ -	$ -	$ -	$ -
			TOTALS	$ -	$ 100,000.00	$ 890,000.00	$ -	$ 990,000.00

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.

(Revised 6/2/2021)

BUDGET TEMPLATE SHEET FOR FUTURE FISHERIES PROGRAM APPLICATIONS

*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 must include a justification or 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.

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)
City of Missoula-BUILD project savings	$ -	$ 625,000.00	$ 625,000.00	No
Missoula Water		$ 100,000.00	$ 100,000.00	No
Trout Unlimited	$ -	$ 50,000.00	$ 50,000.00	No
Clark Fork Coalition	$ -	$ 30,000.00	$ 30,000.00	No
Private Contributions	$ -	$ 85,000.00	$ 85,000.00	No
	$ -	$ -	$ -	
TOTALS	$ -	$ 890,000.00	$ 890,000.00	

OTHER CONTRIBUTIONS

(contributions not associated with the application)

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

FUTURE FISHERIES IMPROVEMENT PROGRAM

SUPPLEMENTAL INFORMATION SHEET FOR WATER LEASING OR WATER SALVAGE PROJECTS

The following additional information is requested to supplement the Future Fisheries Application for projects associated with water leasing or water salvage. Please complete this supplemental form and submit it as part of the Future Fisheries Grant Application.

1. **Please complete the following table describing the water right(s) associated with the proposed project.** Note: Much of this information can be obtained either from your own water rights records or online at http://www.dnrc.state.mt.us/wrd/home.htm (choose "water rights" and then select an index to look up applicable claims)

RIGHT NUMBER; WATER SOURCE	POINT OF DIVERSION	QUANTIFIED FLOW (CFS)/ VOLUME (AF)/ IRRIGATED ACRES	PRIORITY DATE; PERIOD OF USE	RELATIVE PRIORITY ON WATER SOURCE	PURPOSE OF WATER RIGHT	SENIOR TO YOUR LISTED CLAIMS
76M 123868 Clark Fork River	SWNWNE Sec 21 T13N R19W	40 CFS, 2,399 irrigated acres	12-01-1902	107	Irrigation	Various
76M 123869 Clark Fork River	SWNWNE Sec 21 T13N R19W	40 CFS, 2,399 irrigated acres	05-31-1903	107	Irrigation	Various
76M 118513 Clark Fork River	SWNWNE Sec 21 T13N R19W	62.5 CFS, 2,399 Irrigated acres	07-28-1919	99	Irrigation	Various
76M 123870 Clark Fork River	SWNWNE Sec 21 T13N R19W	None	05-31-1903	143	Stock	Various

2. **In the last 10 years, has your full water right amount regularly been available at your point of diversion throughout your period of use?**

   (Yes)/ No (Please circle one)

   Have you ever made "a call" on junior water users to obtain the water you needed (through a water commissioner or otherwise)?

   Yes /(No) (Please circle one)

3. **Please describe or include a summary of any measurements of the amount of water you have regularly diverted and how much typically flows by your diversion during different time periods.**

   Measurement of the full senior right of 40 CFS is made informally at the headgate during the irrigation season. This much flow is diverted regularly through the irrigation season, if the

diversion is properly maintained. Mean flows range from 10,000 CFS down to 1,310 CFS in the period from May 31 to September 5, which is the most critical irrigation period.

4. **Has your local FWP fish biologist confirmed that your leasing/salvage project addresses a stream flow problem that significantly limits the fishery?**

   (Yes) / No (Please circle one)
   The streamflow during low flow periods (e.g. 10th percentile flows) in late August and early September is below 775 CFS. This Project will also reduce entrainment into the canal because it will be closed down. This is an additional benefit to the fishery from this Project. This information was confirmed with Ladd Knotek, FWP Fisheries Management Biologist, via email.

5. **How much actual water (often different than just the remainder of your water rights) will be added to the stream through completion of your project?**

   21-28 **Please fill in and circle one – (cfs) / gpm / miners inches**

   What length of stream will benefit from this additional flow? **(Note: Under certain circumstances, senior water can be protected legally from diversion by downstream junior users.)** (please fill in or describe)

Six miles, From Orange Street Bridge to the Frenchtown Irrigation Ditch and/or confluence with the Bitterroot River**.**

6. **Is there a water commissioner on your stream? Yes / (No) (Please circle one)**

   Are you willing to actively assist in monitoring and/or protecting the conserved water instream? (Yes) / No (Please circle one and describe)

The City of Missoula, when it acquires the Hellgate Valley Irrigation Company and its water rights, will protect and monitor the irrigation water which remains instream, as well as any water which continues to be used for irrigation, which in this case would be a new groundwater source. The City will pursue a formal instream flow application with the DNRC to change a portion of the water rights to an instream flow beneficial use.