



2022 319 Application Form - General and Focus Watershed

*******REVISED 10/22/2021*******

General Information

Project Name _____

Sponsor Name _____

Registered with the Secretary of State?

Registered with SAM?

Duns # _____

Does your organization have liability insurance?

Primary Contact _____

Signatory _____

Title _____

Title _____

Address _____

Address _____

City _____ State _____ Zip Code _____

City _____ State _____ Zip Code _____

Phone Number _____

Phone Number _____

Email Address _____

Email Address _____

Signature Holly Hill

Signature John Nehring

Technical and Administrative Qualifications

Past Projects

Project Name	Grant or Contract Amount	Funding Entity (entity name/program, contact person, phone, email)	Completion Date
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Budget Summary: **Fields outlined in **black** on this page will auto-populate from other sections of the application form. Fields outlined in **red** on this page will not auto-populate. You must manually input the information for fields outlined in **red**.*

	319 Funding Request	Non-Federal Match	Federal Match	Other Funding	Total Cost
Education and Outreach Project					
Administration					
Project 1 Name					
Project Planning & Oversight					
Landowner Agreements, O & M					
Project Implementation					
Other Activities					
Project Effectiveness Monitoring					
Total					
Project 2 Name					
Project Planning & Oversight					
Landowner Agreements, O & M					
Project Implementation					
Other Activities					
Project Effectiveness Monitoring					
Total					
Project 3 Name					
Project Planning & Oversight					
Landowner Agreements, O & M					
Project Implementation					
Other Activities					
Project Effectiveness Monitoring					
Total					
Project 4 Name					
Project Planning & Oversight					
Landowner Agreements, O & M					
Project Implementation					
Other Activities					
Project Effectiveness Monitoring					
Total					
Grand Total					

Education and Outreach

DEQ recognizes that developing good projects often requires a considerable amount of time and effort up front to build relationships and trust with individual landowners and stakeholder groups. To promote the development of future projects, DEQ is encouraging project sponsors to use up to \$5,000 in 319 funding for education and outreach to develop and capitalize on these critical relationships. DEQ encourages applicants to incorporate on-the-ground projects into education and outreach efforts through on-site demonstrations and project tours. 319 funding may not be used to pay for food and beverages, or for honorariums and gifts. Education and outreach activities funded by 319 or used as match for 319 funding must adhere to all of the eligibility requirements outlined in the annual Call for Applications document.

Education and Outreach Deliverables *(Identify the education and outreach activities you will engage in and methods you will use to document their completion.)*

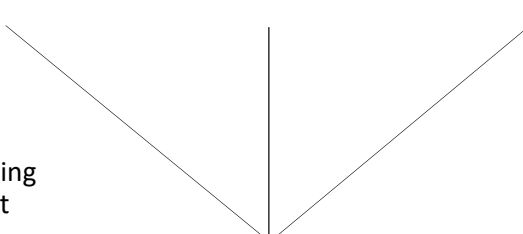
State Cash Match	Local Cash Match	In-Kind Match			
			Federal Match	Other Funding*	Total Planning Cost
319 Funding Request	Total Non-Federal Match				
Match Source					Secured
Match Source					Secured
Match Source					Secured
Match Source					Secured

**Use this space to record any funding that will be used to support creation of the task deliverables, but will not be reported as match. The purpose of this information is to give application reviewers a clearer understanding of the total amount of funding required to complete a task.*

Project Administration

Project administration includes book keeping, invoicing, interim/annual/final report preparation, office supplies, rent, communications, etc. Up to 10% of the total requested 319 funds for your entire application can be used to pay for project administration. However, like all other tasks, payment is by reimbursement for actual expenses incurred.

Project Administration Deliverables *(Include interim/mid-year, annual, and final reports, as well as invoicing and office necessities.)*

State Cash Match	Local Cash Match	In-Kind Match	Federal Match	Other Funding*	Total Planning Cost
					
319 Funding Request	Total Non-Federal Match				
Match Source					Secured
Match Source					Secured
Match Source					Secured
Match Source					Secured

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Project Form

A separate Project Form (***including providing separate attachments***) must be submitted for each project included in your application. Use the following examples to help determine when to lump and when to split projects. For additional assistance, contact Mark Ockey at mockey@mt.gov or 406-465-0039.

Splitting Examples (fill out multiple Project Forms)

- Stream restoration work occurring on two separate streams, on parcels owned by two separate individuals
- Two projects with significantly different sets of project partners
- Two projects that address substantially different pollution sources (e.g., one project moves a corral off of a streambank, and another removes mine tailings, with both projects being on the same property)

Lumping Examples

- Contiguous stream restoration work spanning multiple land parcels
- 3 projects that address similar sources of pollution on a single land parcel (e.g., moving a corral off a stream, implementing a grazing management plan, and relocating a manure storage facility out of the floodplain, all on the same ranch)

Project 1 Name

Select the watershed restoration plan (WRP) that your project will help implement.

Letter of support from author entity attached? *(If no, explain why below.)*

Waterbody name from 2020 List of Impaired Waters

Probable causes of impairment to be addressed

Waterbody name from 2020 List of Impaired Waters

Probable causes of impairment to be addressed

OR*

Name of healthy waterbody to be protected

Description of identified threat to non-impairment status

Name of healthy waterbody to be protected

Description of identified threat to non-impairment status

**While the majority of the available 319 project funding is dedicated to addressing known impairments, EPA is allowing states to use a limited amount of funding to protect non-impaired waters (healthy waters) from becoming impaired.*

Project 1 Location

Upstream End	Latitude	Longitude
Downstream End	Latitude	Longitude
Centerpoint	Latitude	Longitude
Upstream End	Latitude	Longitude
Downstream End	Latitude	Longitude
Centerpoint	Latitude	Longitude
Upstream End	Latitude	Longitude
Downstream End	Latitude	Longitude
Centerpoint	Latitude	Longitude

List the 12-digit Hydrologic Unit Code(s) (HUCs) in which the project area is located

Project site map(s) attached, showing the location of all proposed on-the-ground restoration activities?

Community Participation and Support

Landowner	Contributions to Project
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Letter of Support Attached?

Partner	Role
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Letter of Support Attached?

Other Community/Stakeholder Support

Project Description

Describe the nature and extent of the nonpoint source problem you are trying to address, the root causes of the problem, and your proposed solution.

Is this project a continuation of a previous project? If so, please explain the connection.

Water Quality Benefits and Sustainability

Explain why the project is an appropriate next step for making progress towards removing a pollutant/waterbody combination from Montana's 2020 Impaired Waters List or preventing a healthy waterbody from becoming impaired?

Will your project address a major local source of nonpoint source pollution? Explain.

Will the project create long-term, sustainable reductions in NPS pollution? Explain.

Describe how the project will promote self-maintaining, natural, ecological and social processes that protect water quality?

Nonpoint Source Goals and Success Metrics

Nonpoint source pollution goal	Action that will be taken to reach the goal	Metrics used to measure success
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Project Education and Outreach

Describe the educational benefits of your project. Will the project inspire additional nonpoint source pollution prevention work within the watershed?

Bigger Picture Benefits

NPS pollution projects often have benefits that go beyond simply cleaning up Montana's lakes and streams. Describe your project's benefits to each of the items below. If there are no associated benefits, type "NA" for "not applicable".

Environmental Justice (EJ)

Will the project improve or create public access to a healthy environment?

Will the project have a public benefit in a county where 15% or more of the population lives below the poverty level? Counties include: Big Horn, Blaine, Chouteau, Deer Lodge, Garfield, Glacier, Golden Valley, Hill, Lake, Liberty, Lincoln, Meagher, Mineral, Musselshell, Pondera, Powell, Roosevelt, Rosebud, Sanders, Silver Bow, Toole and Wheatland.

Will the project benefit historically underserved populations (e.g. minority populations, people with disabilities)?

Climate Change

Will the project improve climate change resilience for communities, native plants, wildlife or ecosystems?

Will the project restore or protect cool, late-season flow?

Impacts to Downstream Communities

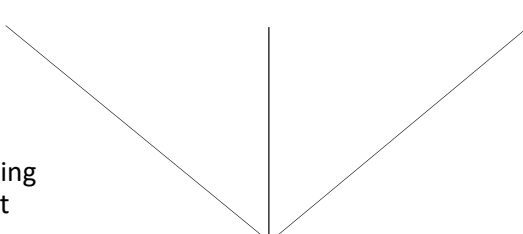
Will the project reduce pollutant loading above a permitted point source discharge in a way that could increase assimilative capacity in the the receiving water?

Will the project help protect a drinking water source?

Tasks and Budget

DEQ uses a standard template to develop scopes of work for 319 contracts. The tasks below match up with DEQ standard scope of work template. Some tasks might not be applicable to your project. Please leave the non-applicable tasks blank. If your project doesn't fit the task outline, use the task labeled "Other" to describe your project.

Task 1 - Project Planning Deliverables *(Include such things as completing project designs, conducting site evaluations, obtaining permits, organizing volunteers, conducting scoping meetings, etc. Identify specific deliverables that will be submitted.)*

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Match Source					Secured
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Landowner Agreements, Operation and Maintenance

This task only applies to projects involving on-the-ground activities. DEQ periodically evaluates the effectiveness of each on-the-ground project. To accomplish this, DEQ requires a process be in place to allow periodic access to the project site. The landowner agreement should also specify the roles of each project partner in the design, implementation and continued operation of on-the-ground pollution prevention practices. DEQ does not require the use of a specific landowner agreement template. In some situations, existing agreements between the project sponsor and the landowner may be sufficient.

Task 2 - Landowner Agreements, Operation and Maintenance Deliverables *(Include such things as landowner/ sponsor communication, and draft and final agreements.*

State
Cash Match

Local
Cash Match

In-Kind
Match

319 Funding
Request

Federal
Match

Other
Funding*

Total
Planning
Cost

Total
Non-Federal
Match

Match Source

Secured

Match Source

Secured

Match Source

Secured

Match Source

Secured

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Project Implementation

Task 3 - Project Implementation Deliverables *(Include such things as construction oversight, implementation of on-the-ground restoration practices, preparation and submittal of as-built drawings, etc.)*

State
Cash Match

Local
Cash Match

In-Kind
Match

319 Funding
Request

Federal
Match

Other
Funding*

Total
Planning
Cost

Total
Non-Federal
Match

Match Source

Secured

Match Source

Secured

Match Source

Secured

Match Source

Secured

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Other Activities

Use this task if the activities you are proposing are outside the scope of the typical design/implement/monitor process. Provide sufficient details to enable application reviewers to successfully compare the nonpoint source pollution reduction benefits of your project to those of other projects in the applicant pool.

Task 4 - Project Deliverables *(Include activities you will complete and the products you will submit to demonstrate completion.)*

State
Cash Match

Local
Cash Match

In-Kind
Match

319 Funding
Request

Federal
Match

Other
Funding*

Total
Planning
Cost

Total
Non-Federal
Match

Match Source

Secured

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Match Source

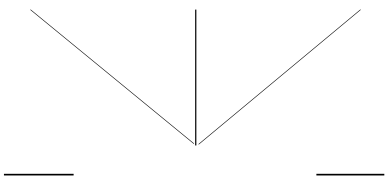
Secured

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Project Effectiveness Monitoring

The short duration (1-3 years) and limited spatial extent (often just a few hundred yards) of most 319-funded projects frequently precludes the use of traditional water chemistry monitoring as a means of evaluating project effectiveness. Instead, DEQ encourages project sponsors to use simpler, more qualitative tools. Typically, this will include pre- and post-construction photo point monitoring, vegetation mortality measurements, and perhaps modeling to estimate pollution load reductions. Please contact one of the DEQ Nonpoint Source Program staff for guidance relative to your specific project.

Task 5 - Project Effectiveness Monitoring Deliverables *(Identify the specific tools and products you will use to evaluate and demonstrate the effectiveness of your project in reducing nonpoint source pollution.)*

State Cash Match	Local Cash Match	In-Kind Match	Federal Match	Other Funding*	Total Planning Cost
					
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <div style="width: 100px; height: 10px; background-color: #ccc; margin: 0 auto;"></div> <div style="margin-top: 5px;">319 Funding Request</div> </div> <div style="text-align: center;"> <div style="width: 100px; height: 10px; background-color: #ccc; margin: 0 auto;"></div> <div style="margin-top: 5px;">Total Non-Federal Match</div> </div> </div>					
Match Source _____					Secured
Match Source _____					Secured
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Additional Attachments

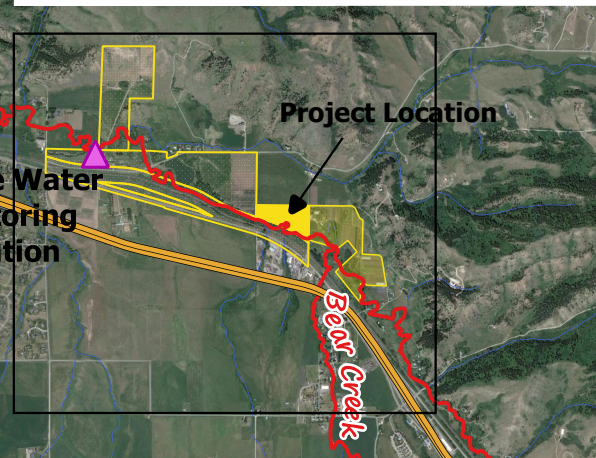
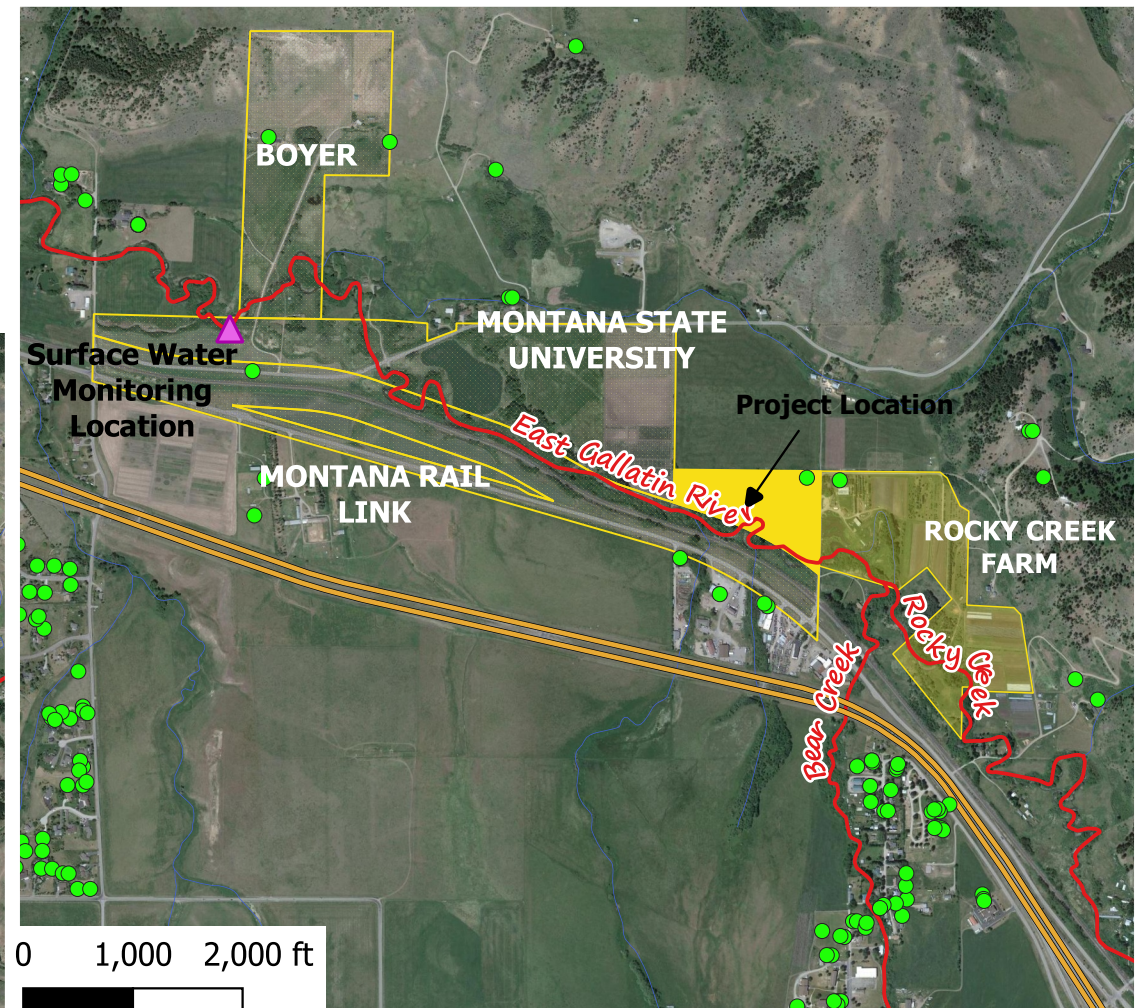
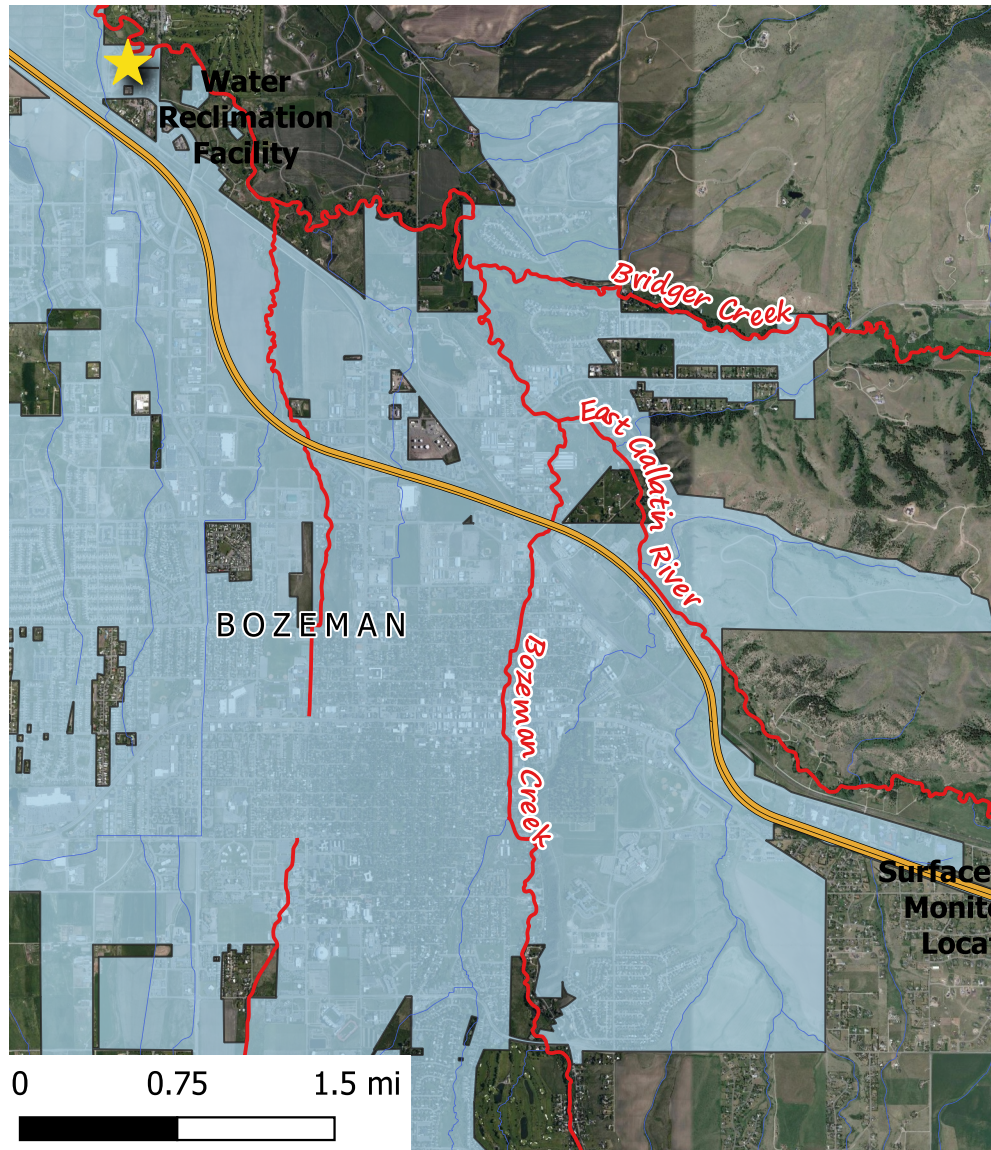
Attach additional items that could help reviewers better understand your project. Items could include site photos, design drawings, site evaluations, permits, etc. Please be conscious of reviewers' time, as they may not have time to read lengthy studies and reports. List all additional attachments below.

Additional information that could assist reviewers in evaluating the project's potential impact on NPS pollution.

Project Map

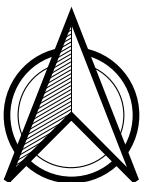
Gallatin Watershed Council 2022 319 Application Overview Map

Upper East Gallatin Restoration Permitting and Design



Map Legend

- Proposed Project
- Completed Project
- Future Projects
- Impaired Stream
- Monitoring Location
- Bozeman City Limits
- Septic System
- Interstate 90



Letters Of Support

Watershed Protection Section

Montana Department of Environmental Quality

Attn: Mark Ockey

1520 E. Sixth Avenue

Helena, MT 59620

October 26, 2021

Dear Mr. Ockey,

I would like to express my support for the Zeff Ranch Wetland Enhancement Design and Permitting Project. This project aims to improve and protect the existing benefits that the East Gallatin River provides. The project has several watershed benefits that reach well beyond my property. Mainly, the project seeks to improve water quality by reducing sediment and nutrient inputs. Other benefits include increasing flood storage, drought resiliency as well as increasing and diversifying habitat. The combination of these watershed benefits offers a solution to current water quality, habitat, and climate resiliency challenges.

I am excited to be a part of this effort to protect and restore the East Gallatin River, and I am committed to the following match for the project.

- Continued involvement in project development and implementation
- 40% match in fees

As another show of support, I have already made financial contributions in the form of hiring a consultant for the pursuit of grant funding for this project. Finally, I strongly believe in the downstream rewards of this project. Clean water and beautiful habitat are critical to the Gallatin Valley for both humans and animals alike. I hope you will consider supporting this integrated approach to the improvement of the East Gallatin.

Thank you for your consideration.
Sincerely,



David Zeff

6311 E. Vista Drive

Paradise Valley, AZ 85253

415-317-2620

davezeff@gmail.com

October 29, 2021

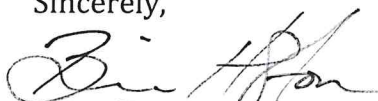
Watershed Protection Section
Montana Department of Environmental Quality
Attn: Mark Ockey
1520 E. Sixth Avenue
Helena, MT 59620

RE: Letter of Support for GWC 319 Grant Proposal

Dear Mark,

The City of Bozeman supports the Gallatin Watershed Council's application for 319 Grant funds to design a non-point source nutrient reduction project that will positively affect the East Gallatin River. Any opportunity to make incremental progress towards the eventual removal of the river from the state's 303d nutrient impaired waters list is a benefit to City of Bozeman and the Gallatin Valley community. The proposed project also provides an opportunity to demonstrate nutrient trading under DEQ Circular 13, an underutilized tool to help support water quality standards attainment. We encourage the grant review committee to support and fund the Council's 319 funding request.

Sincerely,



Brian Heaston, PE
Senior Engineer



Sacajawea Audubon Society

PO Box 1711 Bozeman, Montana
59711-1711
SacajaweaAudubon.org

October 28, 2021

Watershed Protection Section
Montana Department of Environmental Quality
Attn: Mark Ockey
1520 E. Sixth Avenue
Helena, MT 59620

Dear Mark Ockey:

On behalf of Sacajawea Audubon Society, I am delighted to submit this letter of support for Gallatin Watershed Council (GWC) grant request to secure funding for Upper East Gallatin Restoration Permitting and Design.

Sacajawea Audubon Society (SAS) has partnered with GWC as we create the exciting new Indreland Audubon Wetland Preserve (IAWP). The IAWP was set aside by Sacajawea Audubon Society (SAS) to conserve and enhance a wetland community in an urban setting. The site will serve as an environmental study area offering education about wetland ecology accessible to all ages. SAS aims to document the effect of human influence on wetland communities and inspire the conservation, restoration, and enhancement of wetlands.

The Upper East Gallatin Restoration Permitting and Design project helps us accomplish the IAWP vision and goals. Design elements considered for this project have the potential to not only improve water quality but also fish and other wildlife habitat. The fishery will benefit from natural storage features that increase late season flows. Riparian and wetland habitat will provide critical habitat for birds and other diverse wildlife species that depend on these vital ecosystems.

This project provides an opportunity for our IAWP Busy Beavers, the IAWP outreach community group, to participate and learn about hydrology, ecology and history. With a focus on the need for clean and cool water flows into the East Gallatin River. We look forward assisting with pre-project monitoring like bird counts and other wetland monitoring and assessment data.

SAS, an affiliate with the National Audubon Society, offers its over 1000 local members community-based programming to promote the conservation of our natural environment through enjoyment, education and action. We have been serving the Northern Greater Yellowstone Ecosystem of Montana since 1967. Funding this project would help protect Montana's wetlands, and support the efforts of SAS to protect wetlands in Bozeman and the Gallatin Valley.

Approval of this grant will enhance the capacity, efficiency and quality of local natural resources that are under threat with the current growth of Bozeman/Gallatin Valley. We ask that you give positive consideration to this project.

Sincerely,

Chris Nixon
President
Sacajawea Audubon Society



Ross Lane
Vice President, Corporate Relations

Montana Rail Link
101 International Drive
Missoula, MT 59808

October 29th, 2021

Watershed Protection Section
Montana Department of Environmental Quality
Attn: Mark Ockey
1520 E. Sixth Avenue
Helena, MT 59620

Subject: Letter of Support (Rocky Creek Project)

Dear Mr. Ockey,

I'm writing today to express Montana Rail Link's (MRL) support for the proposed Rocky Creek flood plain restoration project. We are in favor of looking at innovative ways to improve stream function and prevent stream bank erosion. While MRL is confident that our current maintenance practices are suitable to safely move freight across the Gallatin Valley, we know our neighbors have concerns regarding future erosion issues.

MRL will need to approve any final design to ensure it does not interfere with our operations. Additionally, any contractor entering railroad right-of-way will need to conform to MRL's standards as it relates to safety training, insurance, permitting, and project flagging if applicable. MRL remains a committed partner to our neighbors across the region and we look forward to the project being completed.

If you have any questions, please don't hesitate to reach out.

Kind Regards,

A handwritten signature in black ink, appearing to be 'RL' followed by a flourish.

Ross

Supplemental Information

Zeff Ranch Wetland Enhancement Project, East Gallatin River, Gallatin County

Site Photographs



Photo 1. Facing SE at proposed inlet area.

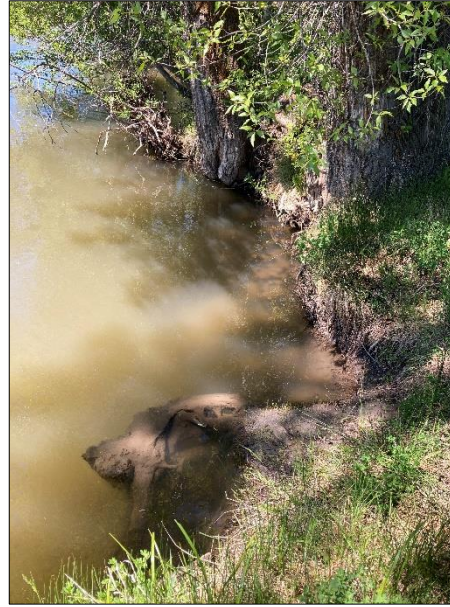


Photo 2. Facing NW at proposed inlet area from bridge.



Photo 3. Facing NW at beginning of wetland slough.



Photo 4. Facing W at middle portion of the wetland slough.

Zeff Ranch Wetland Enhancement Project, East Gallatin River, Gallatin County

Site Photographs



Photo 5. Facing north toward an existing monoculture of reed canarygrass in the middle portion of the project area that will be enhanced by the proposed wetland slough.



DATE: 6/20/21
CCI JOB NO.: ZEFF-001
FILE NAME: X:\Projects\Zeff Ranch\CD\CONCEPTUAL.DWG

DRAWN BY: SW
DESIGNED BY: RM
CHECKED BY: RM

REV	DATE	DESCRIPTION	BY	APPD
1	---	---	---	---
2	---	---	---	---

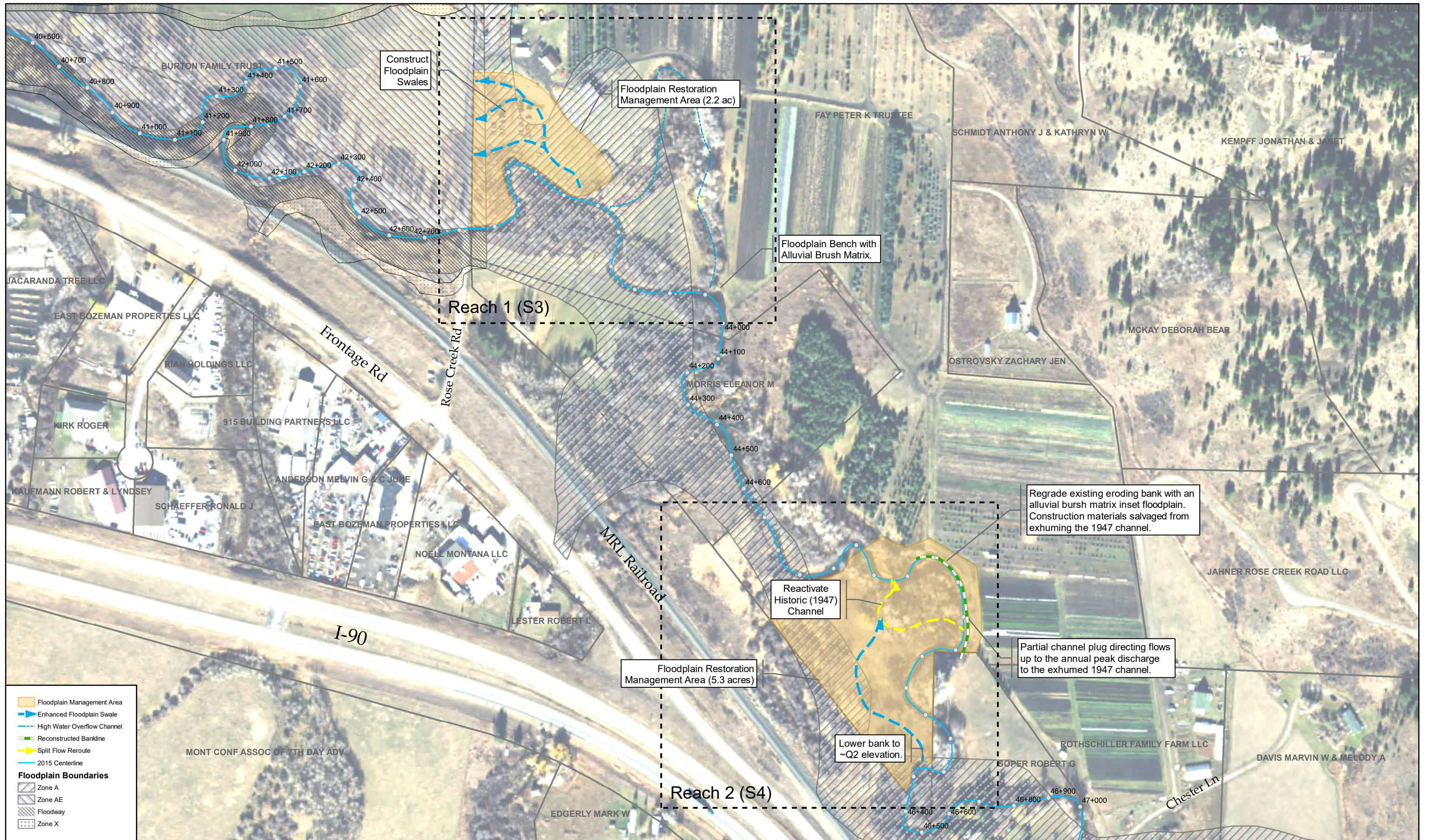


CONFLUENCE
consulting incorporated

ZEFF RANCH
CONCEPTUAL WETLAND ENHANCEMENT
IMPROVEMENTS
BOZEMAN, MONTANA

SITE MAP

SHEET: **1**



STATE OF MONTANA
DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
1424 9TH AVENUE P.O.BOX 201601 HELENA, MONTANA 59620-1601

GENERAL ABSTRACT

Water Right Number: 41H 139859-00 STATEMENT OF CLAIM
Version: 3 -- SPLIT
Version Status: ACTIVE

Owners: RTZ MONTANA LLC
6311 E VISTA DR
SCOTTSDALE, AZ 85253-6951

Priority Date: JUNE 15, 1890
Enforceable Priority Date: JUNE 15, 1890

Type of Historical Right: FILED

Purpose (use): IRRIGATION
Irrigation Type: FLOOD

Maximum Flow Rate: 58.34 GPM

Maximum Volume: THE TOTAL VOLUME OF THIS WATER RIGHT SHALL NOT EXCEED THE AMOUNT PUT TO HISTORICAL AND BENEFICIAL USE.

Climatic Area: 4 - MODERATELY LOW

Maximum Acres: 17.20

Source Name: EAST GALLATIN RIVER
Source Type: SURFACE WATER

Point of Diversion and Means of Diversion:

<u>ID</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1		SESWNW	14	2S	6E	GALLATIN

Period of Diversion: JUNE 1 TO OCTOBER 1
Diversion Means: PUMP

Period of Use: JUNE 1 to OCTOBER 1

Place of Use:

<u>ID</u>	<u>Acres</u>	<u>Govt Lot</u>	<u>Qtr Sec</u>	<u>Sec</u>	<u>Twp</u>	<u>Rge</u>	<u>County</u>
1	17.20		SWNW	14	2S	6E	GALLATIN
Total:	17.20						

Geocodes/Valid: 06-0799-14-2-01-01-0000 - Y

Remarks:

THE WATER RIGHTS FOLLOWING THIS STATEMENT ARE SUPPLEMENTAL WHICH MEANS THE RIGHTS HAVE OVERLAPPING PLACES OF USE. THE RIGHTS CAN BE COMBINED TO IRRIGATE ONLY OVERLAPPING PARCELS. EACH RIGHT IS LIMITED TO THE FLOW RATE AND PLACE OF USE OF THAT INDIVIDUAL RIGHT. THE SUM TOTAL VOLUME OF THESE WATER RIGHTS SHALL NOT EXCEED THE AMOUNT PUT TO HISTORICAL AND BENEFICIAL USE.

139859-00 139860-00

WATER RIGHT OWNERSHIP UPDATE RECEIVED 01/11/00.

OWNERSHIP UPDATE RECEIVED

OWNERSHIP UPDATE TYPE DOR # 133518 RECEIVED 05/28/2015.

OWNERSHIP UPDATE TYPE DOR # 217702 RECEIVED 04/23/2021.