2026 On-the-Ground Project Application Form

General Information

Project Name: Pattee Creek Riparian Revegetation Project

Applicant Name: City of Missoula

Is your organization registered with the Montana Secretary of State? Y

Explanation: Each applicant must be registered with the Montana Secretary of State to do business in the state of Montana. Registration with the Secretary of State may be completed via the following website: https://sosmt.gov/business/

Is your organization registered with the federal System for Award Management (SAM)? Y

Explanation: Each applicant is required to register with SAM. To register or check your organization's status, go to https://sam.gov/content/home. If you get an "Unsupported Browser" error, copy, and paste the link into a Google Chrome browser window.

Primary Contact: Tracy Campbell | Title: Superintendent

Address: 1345 West Broadway Street | City: Missoula | State: MT | Zip Code: 59802

Phone Number: 406-830-5455 | Email: CampbellTL@ci.missoula.mt.us

Signature:

Explanation: This is the person who DEQ would routinely contact to discuss project progress, billing, etc.

Signatory: Andrea Davis | Title: Mayor

Address: 435 Ryman Street | City: Missoula | State: MT | Zip Code: 59802

Phone Number: 406-552-6001 | Email: DavisA@ci.missoula.mt.us

Signature:

Explanation: This is the person who can legally sign contracts and other binding documents on behalf of the applicant (e.g., a board chair).

Note: The primary contact, signatory and landowner must sign the application. Signatures must be either signed AC1 Claire Trimble (Mar 6, 2026 16:32:00 MST) signed, scanned and sent electronically.

Landowner Name:

Landowner Signature:

Landowner Name:

Landowner Signature:

Landowner Name:

Landowner Signature:

Explanation: Landowner signatures are required. **Signing the application does not obligate the landowner to implement a project.** Instead, it is an indication that the landowner has read the application and agrees, in principle, with the project concept and goals.

Your organization's Unique Entity Identifier number (UEI #) NBMKDLVHBMF1

Explanation: Each applicant is required to have a current UEI number. The UEI number replaces the old DUNS number. If your organization had a DUNS number, you should have received a notification from the federal government indicating that your DUNS number has been changed to a UEI number. If you did not receive this notification, or if you never had a DUNS number, you will need to go to the federal government's System for Award Management (SAM - https://sam.gov/content/home) to obtain your UEI number. DEQ recommends starting this process early as it is very time-consuming, requires providing documentation-sometimes with follow-up requests for additional information, and can take up to 2 months to complete. If you need assistance, you may contact the federal help desk at 866-606-8220 Monday-Friday 8:00 a.m. through 8:00 p.m. EST.

Does your organization have adequate liability insurance for the risks associated with your project? Y

Explanation: Each applicant must have or obtain liability insurance coverage meeting the requirements stated in the Draft Sample Contract and/or requirements negotiated based on the appropriate level of risk associated with the project.

Describe the technical and administrative skills your organization will use to effectively and efficiently complete your proposed project(s).

The City of Missoula Public Works & Mobility Department has a highly trained staff which provides technical and administrative support, including professional engineers, administrative assistants, and specialists in outreach, communication, and environmental support. The department maintains the strong connections and resources necessary to create effective collaborative projects and reach proposed landowners. These connections include the City of Missoula Parks and Recreation Department, Missoula Valley Water Quality District, Missoula County Conservation District, University of Montana, and Watershed Education Network, which have expertise and resources in plant propagation, ecosystem services, public outreach, geohydrology, water chemistry, and water quality monitoring. A pre-existing base of landowners along the proposed project area are highly engaged and invested in support of the project.

Budget Form

Please fill out the On-the-Ground Project Budget Template (Excel file). Cells highlighted in yellow may be edited to fit the needs of your particular project. DEQ uses a template to construct nonpoint source grant contracts. The Budget Template contains tasks and typical deliverables that match up with the grant contract template. Please see the Example Contract and Scope of Work Template for a more detailed look at typical task requirements and deliverables.

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.

Splitting Examples (fill out multiple Project Forms)

- Stream restoration work occurring on two separate streams..
- Two projects with significantly different sets of project partners.
- Two projects that address substantially different pollution sources (e.g., one project move 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.
- Three 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 Form

A separate Project Form (including providing separate attachments) must be submitted for each project included in your application

Project Name: Pattee Creek Riparian Revegetation Project

Required Attachments in Addition to This Form

- [x] Letter of support from the organization that created or sponsored the creation of the DEQ-accepted Watershed Restoration Plan or the Tribe that created the EPA-approved Tribal Nonpoint Source Management Plan (*if applicable).*
- [x] Letter of support from EACH landowner associated with the proposed project area (*if applicable).*
- [x] Budget Table (see Microsoft Excel Template).
- [x] **Detailed Project site map(s)** Attach a map or set of maps showing the location and size of proposed activity if a site has been predetermined. The map scale must be between 1:1,000 and 1:12,500. The map(s) must have an aerial photo background (e.g., USDA NAIP photography, Google Earth imagery, etc.). The map(s) must show the latitude, longitude, site name, and landowner for the activity site. The map(s) should also identify waterbodies affected by the pollution that the activity is designed to address. (*This is in addition to adding points of the project location to the website on page 4*).

Optional Attachments

Attach additional items and information that could help reviewers better understand your project. Information could describe public health risks, opportunities to leverage other funding sources, etc. However, application reviewers may have limited time available, and excessively long, optional attachments might not get reviewed. Do not attach copies of TMDL documents, TMDL implementation evaluations, Watershed Restoration Plans, Tribal Nonpoint Source Plans, or large comprehensive studies. The following attachments may be included. Please no more than 20 pages.

- [x] Project Design Plans/Drawings
- [x] Preliminary Engineering Reports / Site Evaluations
- [x] Landowner Agreements / Construction Permits / Floodplain Permits
- [x] Site photos
- [x] Additional Letters of Support
- [x] Other: Site maps
- [ ] Other:
- [ ] Other:

Project Area

Please provide as detailed a description of the project area as possible.

List the counties in which the project will be located.

Missoula County

List the 12-digit Hydrologic Unit Codes (HUCs), sometimes referred to as Sixth Code HUCS, in which the project will take place. Use the following link to help assist you in determining the HUCs: https://apps.nationalmap.gov/viewer/

170102051603 Hayes Creek-Bitterroot River

Project Location Map

In addition to providing your own project site map, please go to the following website and follow the instructions to add your project location to the map.

https://gis.mtdeq.us/portal/apps/storymaps/stories/42f4a668285c4ef6aa94b1623f10df57

Connection to a Previous or Ongoing Project

Is this project tied to a previous or ongoing project? If so, please describe the connection.

In 2022, we began riparian revegetation along Pattee Creek in partnership with private landowners. This was funded by a Big Sky Watershed Corps (BSWC) Project Support Grant through the Montana Watershed Coordination Council and direct funding from DEQ's 319 Program. In the first year of this project, 8 out of 24 landowners (33%) participated. These residents signed agreements to maintain the native riparian buffer along their property for a minimum of ten years. These agreements are included as supporting documentation. The project continued in 2023 with an emphasis on City Parks: Elms and Lester. Another BSWC Project Support Grant in 2024 provided support for existing partner maintenance and additional planting needs. The 2026 proposal would support engaged landowners and interested neighbors in implementing additional revegetation efforts. Specifically, we aim to increase engagement from our initial project and collaborate with at least 20 out of the 50 total landowners within the proposed project area (40%).

The City's current efforts within the Pattee Creek watershed include improving and adding green infrastructure via a stormwater bioretention basin along Pattee Creek at Takima Park, funded as a sub-awardee of the University of Montana through the EPA Upper Columbia Basin Toxic Reduction Lead Grant. Cutthroat Corner, the stormwater detention pond at SW Higgins and Pattee Canyon, was built to prevent flooding and has been part of habitat enhancement discussion for native cutthroat trout. This project would further engage the community with revegetation efforts, redeveloping the cultural and ecological connections between people and Pattee Creek.

Project Purpose

Select the watershed restoration plan or tribal nonpoint source plan that your project will help implement (please type in if missing from list) (*Not required for HAB reduction projects)*

Bitterroot - Bitter Root Water Forum

Y — Letter of support from author, or if the author was contracted, the author sponsor, attached? *(If no, explain why below.)*

IMPAIRMENT LISTINGS: Projects that address water quality impairments on Montana's 2020 List of Impaired Waters are preferred though not a requirement. Funding may be used for projects that protect waterbodies that are demonstrated to be healthy.

Waterbody name from the 2020 List of Impaired Waters	Bitterroot River
Probable causes of impairment to be addressed	High sedimentation, alterations in streamside or littoral vegetative cover, and temperature.
Waterbody name from the 2020 List of Impaired Waters	
Probable causes of impairment to be addressed	

HEALTHY WATERSHEDS: While project funding is prioritized to addressing known impairments, funding can be used to protect healthy waters from becoming impaired.

Name of healthy waterbody to be protected	Pattee Creek
Description of identified threat	Temperature, sedimentation, and alteration in streamside or littoral vegetative cover.
Name of healthy waterbody to be protected	
Description of identified threat	

Project Partners

Identify each of the project partners and describe their contribution to the project. Include landowners, land managers, project designers, funders, and your own organization. Indicate whether each partner, other than your organization, has provided a letter of support. (*Note: each landowner must provide a letter of support if project site(s) have been predetermined.*)

Landowner	Contributions to Project	Letter of Support Attached?
City of Missoula	Amending mowing operations to widen the riparian buffer; allowing restoration within city parks.	☑
Local Landowners	Private landowners that we will work with to revegetate the banks on their properties, see landowner supplemental material document for specifics.	☑
		☐
		☐

Project Partner	Contributions to Project	Letter of Support Attached?
University of Montana O'Connor Center for the Rocky Mountain West	Volunteer stream survey using the Bureau of Land Management's Lotic Assessment Inventory and Monitoring protocol to monitor topographic changes from project implementation	☑
Watershed Education Network	Utilizing citizen science, WEN will perform stream monitoring to engage the community with connecting and learning more about the history of Pattee Creek.	☑
		☐
		☐
		☐

Project Coordination and Planning Task

This task would include completion of all applicable planning tasks from the list below, as well as coordination and oversight of the efforts of all project partners.

Identify the status of the following project planning tasks, where applicable.

	Completed?	Copy Attached?	To Be Completed Pre-Contract (Oct 2026)?	To Be Completed as Contract Deliverable?
*Draft Project Designs	☑	☐	☐	☐
*Final Project Designs	☑	☑	☑	☐
Consultation With Potential Regulators	☑	☐	☐	☐
Necessary Permits	☑	☐	☐	☐
Cultural Resources Inventory *(if relevant)*	☐	☐	☐	☐
Other:	☐	☐	☐	☐
Other:	☐	☐	☐	☐
Other:	☐	☐	☐	☐

***See Call for Applications Section 5.1 for minimum design standards.*

Describe any additional project planning that *will have been completed prior* to execution of a contract (October 2026).

By October 2026, project administrators will have gone door-to-door and contacted each of the 50 landowners in our project area to gauge interest and obtain agreements from those that haven't previously participated. We will also collaborate with landowners on the number of plants and species composition that we will be planting, using prior revegetation plans as a blueprint for new collaborators.

Describe any additional project planning and coordination that will need to be completed after the execution of a contract (October 2026).

Landowner Agreement Task

DEQ includes the following language in every nonpoint source contract involving on-the-ground activities:

Contractor shall submit signed landowner agreement(s) verifying that Contractor and DEQ staff may access the project site, at reasonable times and with prior notification, for the purposes of project planning, implementation, and post-implementation monitoring. The agreement(s) must ensure appropriate operation and maintenance of all structures, vegetation, and management measures for the life of the project (typically 10 years). If grazing will be allowed within the project area, the agreement(s) must include a sustainable management plan for livestock grazing, designed to protect and enhance riparian function. If a signed landowner agreement does not meet the above-stated minimum requirements, Contractor shall negotiate an amended agreement with the landowner that ensures appropriate operation and maintenance of all structures, vegetation, management measures, and includes a sustainable management plan for any livestock grazing for the life of the project (typically 10 years).

Identify the status of the following landowner agreement tasks, where applicable.

	Completed?	Copy Attached?	To Be Completed Pre-Contract (Oct 2026)?	To Be Completed as Contract Deliverable?
Draft Landowner Agreement(s)	☑	☐	☐	☐
Final Landowner Agreement(s)	☑	☑	☐	☐
Grazing Management Plan	☐	☐	☐	☐
Other:	☐	☐	☐	☐
Other:	☐	☐	☐	☐

Project Effectiveness Monitoring Task

If you will be conducting any on-the-ground implementation work, you will be required to complete the monitoring activities described in the task language below, as applicable. Describe below how you plan to determine the effectiveness of your project. Project effectiveness success criteria should be time-bound and assess each project objective quantitatively. Success criteria should clearly define adaptive management thresholds. Examples may include: a minimum 25% decrease in sediment/nitrogen/phosphorus load within 2 years; a 70% survival rate of containerized plantings after one year.

If you are applying for nonpoint source grant funding for project design only, and not for project implementation, you may either skip this task, or describe below which parts of this task you intend to complete:

Project effectiveness will be measured through two stream surveying methods: 1) Natural Resources Conservation Service (NRCS) Riparian Assessment Method (included in supplemental materials); and 2) Bureau of Land Management's Lotic Assessment, Inventory, and Monitoring (AIM) Strategy. AIM will be conducted at multiple sites throughout the project area over the course of three years, starting before planting and proceeding for the following two years, with a focus on morphological changes including channel dimensions, canopy cover, vegetation mortality, and bank stability. NRCS Riparian Assessments were completed for past participants, so we are continuing the trend to maintain data consistency. The AIM Strategy will detail specific changes in the morphology of the overall creek, rather than focusing on generalized changes on specific parcels. We will also submit before and after photos to show revegetated areas.

The City of Missoula will conduct water quality sampling at least twice annually at 6 locations along Pattee Creek. These locations include above and below the Bitterroot Swale, Bancroft Pond, and Cutthroat Corner. The data gathered here is an in-kind monitoring contribution from the City, as these are pre-established sampling sites with years of history to track the change in water quality over time.

Example Task Language

Contractor shall, in consultation with the DEQ Project Manager, develop a reasonable method or set of methods for evaluating and reporting on the effectiveness of the project in addressing water quality issues. Contractor shall complete a monitoring plan to guide monitoring activities. Contractor shall complete the following monitoring activities:

- *Estimate the sediment load reductions (tons/year) achieved through implementation of the proposed restoration activities and management practices.*
- *Estimate the nitrogen load reductions (pounds/year) achieved through implementation of the proposed restoration activities and management practices.*
- *Estimate the phosphorus load reductions (pounds/year) achieved through implementation of the proposed restoration activities and management practices.*
- *For projects designed to address pollution from pollutants other than nitrogen, phosphorus and sediment, evaluate and report on the effectiveness of the project in addressing water quality issues.*
- *Contractor shall collect data, as directed by the DEQ Project Manager, to be used in estimating sediment, nitrogen, and phosphorus load reductions (and for harmful algal bloom reduction projects, carbon sequestration/emissions reductions) achieved through implementation of restoration activities and management practices designed to address these pollutants.*
- *Use the following measures to evaluate the sustainability of restoration activities and management practices:*
    - *[Vegetation mortality rate.]*
    - *Pre- and post-construction photo point monitoring consistent with the "Oregon Watershed Enhancement Board Guide to Photo Monitoring" methodologies, or a similar published photo point monitoring method accepted by DEQ. The U.S. Forest Service provides additional photo point monitoring guidance in the "United Stated Forest Service Photo Point Monitoring Handbook".*
    - *[Riparian survey.]*
    - *[Other.]*

Please describe any additional monitoring you intend to do as part of the project.

We will monitor the project's effectiveness for both educational and environmental improvement. Environmental benefit will be measured through total area of revegetation, canopy cover changes over time, and changes in water quality. Total area of benefit will be measured by mapping the project site's riparian buffer using GPS and ArcGIS Pro before and after project implementation. This will be coupled with photo documentation to show on-the-ground alterations in habitat and canopy cover.

Project Implementation Task

Provide a d**etailed description of the solution you are proposing** to implement to address a nonpoint source pollution problem.

- Describe the practices you intend to design and/or implement to solve the problem (what, where, when, how much or how many).
- Describe the anticipated maintenance needs (what, where, who, how long).
- Refer to the minimum design standards in the Call for Applications.
    - *Please fill out this section to the best of your ability, even if you are only seeking funding for project design.*

Located in Missoula, Montana, Pattee Creek is a tributary of the impaired Bitterroot River and has long held cultural and subsistence importance for Indigenous peoples in this region, including the Salish, Pend d'Oreille, and Kootenai. After colonization, the creek was channelized, exacerbating flooding, sedimentation, high water temperatures, and low vegetative cover. Over time, additional pressures from farming, mining, logging, recreation, and urban development throughout the watershed have further degraded the stream. Although Pattee Creek is not on the 303(d) list of impaired waters, it is a tributary that contributes direct year-round discharge to the Bitterroot River, and the Bitterroot Watershed Restoration Plan lists Pattee Creek as "a stream of concern in the Bitterroot watershed". The Missoula Valley Water Quality District found that the creek significantly contributes to impairments in the Bitterroot River, particularly total suspended solids. Additionally. nitrogen and phosphorus concentrations are elevated in Pattee Creek compared to both the Montana Department of Environmental Quality (DEQ) nutrient standards and other creeks in Missoula (Butterfield, 2024).

Many of these impairments are a result of urban pressure and neglect. Pattee Creek was first diverted south in the 1930s to supply irrigation water to southern Missoula, shifting its original confluence with the Clark Fork River to the Bitterroot River. Later, as urbanization increased and impervious surfaces expanded across the Missoula Valley, the creek was piped to mitigate flooding and prevent property damage. As a result, Pattee Creek has lost much of its cultural and ecological significance. Pattee Creek flows in a pipe under the City of Missoula for approximately 4 miles as it follows the paths of South Russell Street and 39th Street—high-volume arterial streets that see approximately 10,000 vehicles per day according to average annual daily traffic maps. As the Creek flows beneath the asphalt, citizens unknowingly drive over it, unable to see or hear it. Many who live along its banks consider it "the ditch", a mindset reflected in their lawn-care practices like mowing and applying pesticides right up to the water's edge, thus destabilizing streambanks and allowing pollutants to directly impact the creek. The goal of the proposed project is to revegetate and protect streambanks, which will directly improve habitat and expand wildlife potential. Additionally, this project seeks to create stronger public engagement with—and understanding of—Pattee Creek, under the philosophy that those who engage personally with a land feature are more likely to want to steward it.

Our project aims to restore riparian vegetation along 12 properties in addition to improving upon the existing vegetation at the 8 prior sites. The total proposed project area encompasses approximately 7,886 linear feet of streambank. Where possible, we seek to develop a 35 foot vegetative buffer; however, given the constraints of the highly urbanized landscape, areas that can't maintain that 35-foot buffer will instead be revegetated to the furthest possible extent. Emerging data shows that riparian buffer length can be just as significant in pollution reduction as width. With our goal of 20 participating landowners and an average creek frontage of 60 feet, this project would revegetate approximately 1,200 linear feet of stream bank. The vegetation will reduce erosion, take up excess nutrients from suburban runoff, provide shade to reduce temperatures, and provide habitat for wildlife. The plants may be acquired through various nurseries: City of Missoula Parks and Recreation Department Conservation Lands Greenhouse, Great Bear Native Plants, Pipilo, and/or Watershed Consulting, dependent on cost and availability.

Maintenance on private property will be provided by the landowner for at least the following ten years, as outlined in the landowner agreement. The City of Missoula Parks and Recreation Department will be responsible for maintaining the riparian areas on City-owned properties. City of Missoula employees, landowner volunteers, and community members will perform these plantings. The vegetation will be protected by fencing to prevent grazing or trampling.

Education, Outreach and Training Task

To get good projects on the ground, trained staff and board members and educated, enthusiastic landowners are required. To promote the development of future projects, DEQ encourages project sponsors to use up to $5,000 per project of funding to support training and conduct education and outreach. Example training topics might include: project management, public procurement, technical writing, GIS, water quality monitoring, web design, public speaking, human resource management, photo journalism, UAV (drone) piloting, financial management, and restoration techniques. Education and outreach activities might include targeted landowner outreach, conducting project site tours for local landowners, tabling at community events, holding a watershed festival, providing stipends and travel reimbursements for speakers and participants to attend a nonpoint source pollution prevention workshop, or generating articles for social media. The primary requirement for training and outreach is clearly explaining how the activity generates behavior change to address nonpoint source pollution. Funding may not be used to pay for food and beverages, or for honorariums and gifts.

Describe the education and outreach activities or training you will complete to promote behaviors or facilitate future efforts to reduce nonpoint source pollution. Additionally, identify the goals of the training/education and outreach activities.

We will host two pre-planting public events. In early 2027, community members will be invited to watch a short film about the history of Pattee Creek, directed and filmed by Endeavor Films through a partnership with the US Water Alliance. To encourage community members to come, the City of Missoula will be paying for food and drink at the event. In the Spring of 2027, we will host an event at the Bancroft Ponds Natural Area outdoor classroom, where we provide copies of the Conservation District's Riparian Handbook to Pattee Creek landowners. This event will also feature a guest speaker from the Conservation District to guide landowners on caring for their riparian buffers and the 310 Law.

The Watershed Education Network (WEN) will develop a citizen science program on Pattee Creek, with volunteers through their established Stream Team. Since 1996, WEN has involved citizens in Missoula watersheds like Rattlesnake and Grant Creek, collecting data on stream dimensions, benthic macroinvertebrates, water quality, pebble counts, and photo documentation. The Stream Team will establish 4 sites along Pattee Creek, resulting in 8 citizen science sessions, engaging students and other community members with the stream to learn about its history and current issues. The overall goal is to increase community awareness of the history of Pattee Creek and provide educational tools for the public to advocate for this and other waterways in the future.

Identify the specific target audience and method of delivery. Additionally, describe how the proposed training and/or education and outreach will increase local capacity and interest for addressing/promoting behavior change to reduce nonpoint source pollution.

Our target audience is primarily landowners within the project area, but also includes the general public who might participate in future revegetation projects. Following planting, each landowner participating in the project will be awarded a yard sign that shows their participation. We intend to purchase and install an interpretive sign supporting CSKTs Ethnogeography Signs Initiative (SQESI) Project. The signs show Salish placenames, articulating the importance of the area to the tribe both in the present and past. Detailing native tribal history will connect people to these places through naming the areas and showing the importance of landscape restoration. This sign will be installed within the proposed project area. This outreach operates under the philosophy that the more individuals know about and interact with a landscape feature, the more invested they are in protecting and stewarding it.

Describe how you will evaluate the effectiveness of the proposed activities.

We will conduct pre-and-post project interviews with local landowners, detailing their awareness of and behaviors towards Pattee Creek and revegetation, to gauge how our educational component has effected both knowledge and the implementation of it.

Project Administration Task

Please use the task description below as a guide when calculating your budget for project administration. DEQ typically includes these requirements in every nonpoint source grant contract, with only minor variation. Funding applied to the Project Administration Task on each project must not exceed 10% of the total amount of funding requested, or $12,000, whichever is lower.

Example Task Language

Contractor shall oversee and be accountable for the completion of all tasks. Contractor shall maintain regular contact with the DEQ project manager. Contractor shall prepare and submit Status Reports, Final Reports and Attachment B Billing Statements according to the format and schedule described below.

Report Format

- *Contractor shall submit each Attachment B Billing Statement, Status Report and Final Report using the most current reporting guidance and templates provided by the DEQ project manager.*
- *Contractor shall ensure each Status Report and Final Report contains adequate documentation to justify accompanying reimbursement requests and match reporting, to the satisfaction of the DEQ project manager.*
- *Contractor shall ensure that the Final Report is a standalone document describing all contract activities and containing copies of all contract deliverables (even if the deliverables were previously submitted).*

Reporting Schedule

- *Status Reports: Due June 15th and December 15th of each year the Contract is in effect, and each time an Attachment B Billing Statement is submitted.*
- *Draft Final Report: Contractor shall submit a complete draft Final Report for DEQ review and comment at least 15 days prior to the contract expiration date.*
- *Final Report: Contractor shall submit a Final Report, addressing DEQ comments on the draft Final Report, on or before the Contract expiration date.*
- *Attachment B Billing Statements: Contractor shall submit an Attachment B Billing Statement with each Status Report, or Final Report submitted to DEQ while the Contract is in effect. To maintain cash flow, Contractor may submit interim Attachment B Billing Statements as frequently as monthly during the term of the Contract. However, each interim Attachment B Billing Statement must be accompanied by an Interim Report.*

Project Timeline

	4Q 2026	1Q 2027	2Q 2027	3Q 2027	4Q 2027	1Q 2028	2Q 2028	3Q 2028	4Q 2028	1Q 2029	2Q 2029	3Q 2029
Project Coordination and Planning Task	✓	✓	✓									
Landowner Agreement Task		✓										
Project Effectiveness Monitoring Task		✓	✓	✓			✓				✓	
Project Implementation Task			✓									
Education, Outreach and Training Task		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Project Administration Task	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Co-Benefit Considerations

DEQ is committed to carrying out nonpoint source pollution reduction projects within engaged communities where the impact stretches beyond improving water quality. DEQ will award additional points in the scoring form where co-benefits extend beyond the project. Below are a few examples of how projects might exemplify co-benefits.

- Project will reduce economic hardship such as from livestock mortalities, cost and energy needs to treat municipal drinking and wastewater treatment, or loss of income from recreation
- Project will benefit underserved markets
- Project will improve or create equitable access to a clean and healthy environment
- Project planning included consultation with Tribal Nations
- Project will improve flood and drought resilience of the landscape
- Project impacts will benefit a downstream community and other natural systems (e.g., drinking water sources, human health, wildlife habitat, etc)

Please use this section to highlight co-benefits your project may have.

The primary purpose of the proposed project is to decrease erosion and improve water quality through native revegetation. This revegetation will develop habitats for wildlife such as migratory songbirds, aquatic insects, pollinators, and amphibians. This is important because this stretch of Pattee Creek possesses low littoral coverage for wildlife habitat use. Other co-benefits include protecting properties, managing flood resilience, and conserving bank stability. Long term agreements would further engage the community with revegetation efforts, redeveloping the cultural and ecological connections between people and Pattee Creek.

Previously revegetated portion of Pattee Creek, 444 King St.

Unvegetated portion of Pattee Creek, 3311 Bancroft

Pattee Creek Riparian Revegetation Project							
Tasks and Potential Deliverables	**319 Funding Request***	**Non-Federal Match****	**Other Funding*****	**Match Source**	**Match Secu**	**Total Project Cost**	**Additional Information********
Project Planning							
Riparian assessments and maps		$ 450.00		City of Missoula Stormwater Utility	Y	$ 450.00	Program Coordinator: 15 hours @ $30 an hour
Finalize planting plans		$ 220.00		City of Missoula Stormwater Utility	Y	$ 220.00	Landscape Architect:: 4 hours @ $55 an hour
Engaging landowners		$ 1,700.00		City of Missoula Stormwater Utility	Y	$ 1,700.00	Door to door conversations, emails, door hangers, and mailers. Program Coordinator: 30 hours @ $30 an hour Program Specialist: 20 hours @ $40 an hour
Total	$ -	$ 2,370.00	$ -			$ 2,370.00	
Landowner Agreements							
Developing Task Agreements		$ 300.00				$ 300.00	Program Coordinator: 10 hours @ $30 an hour
						$ -	
						$ -	
Total	$ -	$ 300.00	$ -			$ 300.00	
Effectiveness Monitoring							
Develop Water Quality Monitoring Plan		$ 450.00		City of Missoula Stormwater Utility	Y	$ 600.00	Program Coordinator: 15 hours @ $30 an hour
Finalize Water Quality Monitoring Plan		$ 300.00		City of Missoula Stormwater Utility	Y	$ 600.00	Program Coordinator: 10 hours @ $30 an hour
Water Quality Sampling		$ 240.00		City of Missoula Stormwater Utility			Program Coordinator: 8 hours @ $30 an hour
Written Summary of all Monitoring Activities		$ 600.00		City of Missoula Stormwater Utility	Y	$ 600.00	Program Coordinator: 20 hours @ $30 an hour
University of Montana O'Connor Center Lotic AIM BLM Physical Stream Surveying		$ 3,250.00		University of Montana		$ 3,250.00	Labor time, fringe benefits, contracted price for predicted monitoring
Total	$ -	$ 4,840.00	$ -			$ 5,050.00	
Project Implementation							
Plant Protection	1,149.91					$ 1,149.91	T posts, fencing, fence clips, netting, organic pest repellent
Compost, Fertilizer	254						
Volunteer Labor	$ -	$ 4,870.60		In-Kind Volunteer Labor	Y	$ 4,870.60	35 volunteers x 4 hours @ $34.79 an hour
Equipment costs	$ 375.00				Y	$ 375.00	Gloves, shovels, clippers, personal protective equipment
Photo documentation	$ -	$ 150.00		City of Missoula Stormwater Utility	Y	$ 150.00	Program Coordinator: 5 hours @ $30 an hour
Plants	$ 4,452.00					$ 4,452.00	See plant cost by organization sheet
Interpretative Signage	$ 3,225.00						Work with CSKT on indigenous interpretative signage. Design, materials, and installation.
Signage (Landowners)	$ 900.00					$ 900.00	$45 per sign x 20 units target landowners
Total	$ 10,355.91	$ 5,020.60	$ -			$ 11,897.51	
Education and Outreach							
Volunteer Coordination		$ 400.00		City of Missoula Stormwater Utility	Y	$ 400.00	Program Specialist: 10 hours @ 40 an hour
Outreach/Publication materials	$ 419.00					$ 419.00	$8.38 per Missoula Conservation District riparian handbook x 50
Watershed Education Network	$ 4,976.00	$ 4,733.12		In-Kind Volunteer Labor and Refreshments	Y	$ 9,709.12	WEN cost estimate 128 volunteer hours @ $34.79 an hour + $35 refreshments x 8 sessions
Total	$ 5,395.00	$ 5,133.12	$ -			$ 10,528.12	
Administration							
Tracking, documentation, and reporting		$ 750.00				$ 750.00	Program Coordinator: 25 hours @ $30 an hour
						$ -	
						$ -	
						$ -	
Total	$ -	$ 750.00	$ -			$ 750.00	
	319 Funding Request*	**Non-Federal Match****	**Other Funding*****			**Total Project Cost**	
Grand Totals	$ 15,750.91	$ 18,413.72	$ -			**$ 30,895.63**	

Plant Cost Sheet					Cost:
Vendor	**Plant**	**Quantity**	**Size**	**$ per unit**	
	Aspen fleabane	16	quart	$6	$96
	Blanketflower	16	quart	$6	$96
	Canada goldenrod	24	quart	$6	$144
	Common sneezeweed	12	quart	$6	$72
	Maximillian sunflower	12	quart	$6	$72
Pipilo	Showy milkweed	52	quart	$6	$312
	idaho fescue	32	#1	$6.75	$216
		34	7 ci	$1.30	$44
	smooth blue aster	4	#1	$7.50	$30
		30	quart	$5.25	$158
	common yarrow	44	#1	$7.50	$330
		76	7 ci	$2.30	$175
	prairie dropseed	24	#1	$6.75	$162
	blue grama	38	#1	$6.75	$257
	pearly everlasting	28	#1	$7.50	$210
		8	7 ci	$2.30	$18
	swamp milkweed	34	#1	$7.50	$255
	tufted hairgrass	60	#1	$6.75	$405
	small wing sedge	56	16 ci	$2.25	$126
	arctic rush	36	10 ci	$1.40	$50
	common spikerush	60	10 ci	$1.40	$84
	wild mint	20	#1	$7.50	$150
		14	7ci	$2.30	$32
	purple monkey flower	8	#1	$7.50	$60
		8	quart	$5.25	$42
	switchgrass	10	#1	$6.75	$68
	cutleaf coneflower	12	#1	$7.50	$90
Great Bear	small flowered penstemor	20	quart	$5.25	$105
	Snowberry	44	gallon	$7.01	$308
City	Chokecherry	10	2 gallon	$9.29	$93
Watershed Consulting (Van Wild)	Serviceberry	12	gallon	$8	$96
	Woods Rose	4	gallon	$8	$32
	Golden Currant	4	2 gallon	$16	$64
				Estimated Gross Total:	$4,452

Budget 2026 Watershed Education Network and Pattee Creek Citizen Science with Missoula Storm Water Utility

WEN coordinating 8 Citizen Science Sessions on Pattee Creek

Personnel				
Stephie Novak	$32/hour (includes fringe)	x 4 hrs/ session	$125/session x 8	$1,000
Mallory Lampe	$32/hr (includes fringe)	x4 hrs/session	$125/session x 8	$1,000
Deb Fassnacht	$36/hr (includes fringe)	x 16 hrs		$576
Volunteers	*4 volunteerrs per session*	*x 8 sessions @ 4 hrs/ session = 128 volunteer hours*		
Refreshments	*(in kind) ~$35/sessions for volunteer support = x 8 sessions*			
Field Gear	WEN field gear rental @$150/session	x 8 sessions		$1,200
	includes: first aid, chem sets, waders, aquatic insect kits/nets, stadia rods, measuring tapes, waterproof tablets, data sheets, ID keys , field cameras,			
Travel	4 vehicles x 10 miles RT = 40 RT x 55/mile=22	x8 sessions		$176
Meetings	2 WEN Staff x $32/hr x 16 hours (8 meetings) =			$1,024
Total				**$4,976**

Landowners and Previous Agreements

MISSOULA
PUBLIC WORKS & MOBILITY DEPARTMENT
1345 W. Broadway • Missoula, Montana 59802 • (406) 552-6769

This Agreement dated ***4/14/2022*** between the City of Missoula (City) and **Elizabeth Ikeda** (Landowner) is entered into to acknowledge and cooperate with the City's effort to restore riparian vegetation along Pattee Creek within the City Right-of-Way Boulevard, as it flows adjacent to the Landowner's property. This restoration project is located in **3036 Queen St, Missoula, MT 59801; 46°50'30.16" N, 114°00'25.11" W.**

The goal of this project is to restore native riparian vegetation on Pattee Creek and to derive the positive effects for water quality, fish, and wildlife. This restoration project is intended to improve riparian heath, which is enduring in nature. Therefore, the Landowner, Landowners' heirs, successors, assigns, or agents agree to protect and maintain the investment in restoration for a minimum of 10 years following project completion. This includes ensuring that the intended outcomes and goals of the project remain intact and that potentially negative land use changes or impacts to the project site are restricted. No mowing shall occur within at least 3 feet of the creek and noxious weeds must be controlled. Shrubs may be pruned but may not be cut down.

Pursuant to Missoula Municipal Code Chapter 20.50.030: Riparian resources provide protection from river channel changes, protection of riparian habitat and associated fish and wildlife, protection of water quality and quantity, flood reduction, biodiversity, forage, recreational uses and a visually attractive environment. Educational opportunities in Missoula's areas of riparian resource may lead to a greater understanding, and thus, greater protection and enhancement of these valuable resources.

Pursuant to Missoula Municipal Code Chapter 12.48.030: It is the duty of the owner of any real property within the city to maintain or cause to be maintained any boulevard that adjoins the real property.

Further, if land ownership is transferred, this Agreement will remain valid for the period of this Agreement. Landowner will ensure new owner complies with this Agreement, no matter how the property is transferred. This Agreement may be terminated in writing by either party by providing thirty (30) days advance notice. If terminated by the Landowner or the restoration site is degraded due to purposeful or negligent activities of the Landowner, the Landowner agrees to reimburse the City for the costs of the needed repair work or the original cost of the project.

Landowner agrees that the City of Missoula, Montana Department of Environmental Quality, Montana Watershed Coordination Council, or their agents may monitor and inspect the project to determine compliance, as well as the effectiveness of the project in benefiting water quality.

Elizabeth Ikeda
Elizabeth Ikeda (Apr 21, 2022 13:06 MDT)

04/21/2022

Elizabeth Ikeda

Landowner

Date

Name	Address	Prior Participant	Year(s) Participated
City of Missoula (City Park, Bancroft Ponds)	3395 BANCROFT SR	N	N/A
Lucretia Olson	703 W HALLMARK LN	N	N/A
Karen Brown	3317 BANCROFT ST	N	N/A
James Dell Meuchel	3311 BANCROFT ST	N	N/A
Robert F. Trust Lehmann	3305 BANCROFT ST	N	N/A
Beverly J. Parker	705 DIXON AVE	N	N/A
Church of Jesus Christ of Latter Day Saints	705 DIXON AVE	N	N/A
John C. & Cindy R. Barba	3108 BANCROFT ST	N	N/A
Elizabeth Rae Ikeda	3036 QUEEN ST	Y	2022
Richard T. Daniels Jr.	3029 QUEEN ST	N	N/A
Corrine C. Tribe	444 KING ST	Y	2022
Stephen M. & Baiba V. Eastlick	433 KING ST	Y	2024
Greg W. Van Natta	420 PATTEE CREEK DR	Y	2022
James E. McKay	416 PATTEE CREEK DR	N	N/A
Shannon Mary Doherty	412 PATTEE CREEK DR	N	N/A
Jesse Kodadek	408 PATTEE CREEK DR	Y	2022, 2024
Andrea Marie Payne	3109 PARK ST	N	N/A
Steven Noblitt	3112 PARK ST	N	N/A
City of Missoula (City Park, Elms Park)	3101 ELMS PARK DR	N	N/A
Eric R. & Dana S. Syvrud	3130 ELMS PARK DR	N	N/A
Karin D. Schalm	244 PATTEE CREEK DR	Y	2022
Spencer T. MacDonald	224 PATTEE CREEK DR	Y	2022
Martin N. McGeary	220 PATTEE CREEK DR	Y	2024
Barbara Leslie Halligan	208 PATTEE CREEK DR	N	N/A
City of Missoula (City Park, Pattee Creek Park)	3125 LESTER ST	N	N/A
W2 Missoula LLC	3120 LESTER ST	N	N/A
Seth Wilson	130 PATTEE CREEK DR	Y	2022
Craig Allen Johnson	120 PATTEE CREEK DR	Y	2022
WK Enterprises LLC	116 PATTEE CREEK DR	N	N/A
Richard Anduaga	112 PATTEE CREEK DR	Y	2024
Bernice H. White	108 PATTEE CREEK DR	N	N/A
Cynthia A. BreckenRidge	104 PATTEE CREEK DR	N	N/A
Seth Larson	100 PATTEE CREEK DR	N	N/A
James T. Sylvester	100 PATTEE CANYON DR	N	N/A
Glenn A. Kozeluh	108 PATTEE CANYON DR	N	N/A
Catherine Kress	102 HILL CREST LP	N	N/A
Stacey Weldele Wade	110 HILL CREST LP	N	N/A
James Alistair MacDonald	112 HILL CREST LP	N	N/A
Anne E. Wright	109 HILL CREST LP	N	N/A
David Walrod	111 HILL CREST LP	N	N/A
Anne M. Ziegler	119 HILL CREST LP	N	N/A
Jaeson D. White	125 HILL CREST LP	N	N/A
Ralph John Spierling	129 HILL CREST LP	N	N/A
Carl Wayne McAfee	131 HILL CREST LP	N	N/A
Brittnie B. Keilman	310 PATTEE CANYON DR	N	N/A
Steve L. Stevens	141 HILL CREST LP	N	N/A
City of Missoula (City Park, Takima Park)	110 TAKIMA DR	N	N/A
Charles W. Bloom	601 PATTEE CANYON RD	N	N/A
Thula M. Weisel	615 PATTEE CANYON RD	N	N/A
Thula M. Weisel	619 PATTEE CANYON RD	N	N/A
Janet T. Whaley	875 PATTEE CANYON RD	N	N/A

Green: Past Participants
Yellow: Interested New Participants (Pattee Creek Meeting)
Grey: Need to Reach out to

Letters of Support

BITTERROOT WATER PARTNERSHIP

To: MT Department of Environmental Quality
319 Nonpoint Source Program
1520 E. Sixth Avenue
PO Box 200901
Helena, MT 59620

RE: Letter of Support – Pattee Creek Restoration Project

Dear Members of the DEQ Nonpoint Source Funding Review Panel,

This letter is in support of the EPA 319 Program grant submitted by the City of Missoula Stormwater Utility for improvements to a reach of Pattee Creek within Missoula City limits. This letter was requested from us as the authors of the Bitterroot WRP. The proposed project aligns with the Pattee Creek portion of the WRP (authored by the Clark Fork Coalition). Specifically, its proposed projects, "Partner with the City of Missoula Parks and Recreation Department to restore riparian vegetation and create educational examples of a healthy riparian corridor," "Promote green instead of gray stormwater treatment", and "Develop outreach to landowners to improve riparian corridor in residential areas" are specifically tackled through this proposal.

The water quality in Pattee Creek is severely impaired by urban residential development. It contributes significant inputs of total suspended solids to the Bitterroot River year-round. Total dissolved solids (TSS) measured at the mouth of Pattee Creek where it feeds into the Bitterroot River measured at 282 mg/L. For reference, the benchmark value for TSS in stormwater permits is 100 mg/L. Implementing a larger riparian buffer would reduce sedimentation and related nutrient pollution, and lower water temperatures in the creek. The Pattee Creek Restoration Project proposal demonstrates the appropriate capacity to implement and sustain the recommended remediation actions, including the education and outreach components.

Regards,

Damon Tucker

Restoration Program Manager

damon@bitterrootwater.org

February 11, 2026

MT Department of Environmental Quality
319 Nonpoint Source Program
1520 E. Sixth Avenue
PO Box 200901
Helena, MT 59620

RE: Letter of Support – Pattee Creek Revegetation and Public Outreach

Dear Members of the DEQ Nonpoint Source Funding Review Panel:

On behalf of the Confederated Salish and Kootenai Tribes (CSKT), I am writing to express support for the Pattee Creek Revegetation and Public Outreach Project in Missoula. This is a component of a broader effort to restore Pattee Creek, a perennial tributary to the Bitterroot River. Pattee Creek and its watershed have long held cultural and subsistence importance for Indigenous peoples in this region, including the Salish, Pend d'Oreille, and Kootenai. Historically, the watershed supported native fish species and the surrounding floodplain provided important plant resources. Over time, Pattee Creek has been diverted, piped, and channelized as a result of colonization and urban development, and water quality has diminished as urbanization has increased.

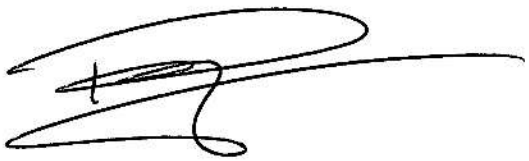
CSKT understands this project will encourage participating property owners along Pattee Creek to expand and strengthen riparian buffers through revegetation with native plants and improved streamside management. Riparian revegetation is a practical, cost-effective approach to reducing nonpoint source pollution by stabilizing banks, reducing erosion and sediment delivery, and supporting the stream's natural functions. These actions can also provide multiple co-benefits, including improved flood resilience, enhanced wildlife habitat, and reduced thermal stress through increased shading and riparian health.

CSKT also supports the project's education and outreach component, which seeks to build community understanding of Pattee Creek's history, significance, and stewardship values. Education that elevates Indigenous perspectives and helps residents understand the cultural and ecological importance of the creek can strengthen public commitment to long-term protection and restoration. When community members gain both an emotional and practical connection to the land and water, restoration investments are more likely to be sustained over time.

We appreciate efforts to restore and protect Pattee Creek and to improve water quality in the Bitterroot River watershed through voluntary, collaborative approaches. CSKT supports the

Pattee Creek Revegetation and Public Outreach Project and encourages the Montana Department of Environmental Quality to give this proposal full consideration for Section 319 funding.

Sincerely,



Rich Janssen Jr., MBA
Natural Resource Department Head
The Confederated Salish & Kootenai Tribes

UNIVERSITY OF MONTANA
www.umt.edu

O'CONNOR CENTER FOR THE ROCKY MOUNTAIN WEST

2/20/2026

Montana Department of Environmental Quality
319 Nonpoint Source Pollution Reduction Project
1520 E. Sixth Avenue
PO Box 200901
Helena, MT 59620

RE: Letter of Support – Pattee Creek Revegetation and Public Outreach

Dear Members of the DEQ Nonpoint Source Funding Review Panel:

On behalf of the University of Montana's O'Connor Center for the Rocky Mountain West, I am writing to express support of the Pattee Creek Revegetation and Public Outreach project being applied for by the City of Missoula Stormwater Utility. Pattee Creek has been diverted, piped, and channelized because of urban development, and water quality has diminished as urbanization has increased. The grant would collaborate with landowners along Pattee Creek to plant native vegetation along riparian buffers on the banks of both the upper and lower portions of the creek. The project would not only improve water quality, but it would also boost community support for a creek that has been underappreciated.

As a trusted entity in helping decision makers, stakeholders, and the public on key issues in the Rocky Mountain West, we will offer our direct support by assisting with the planning and implementation of the project's stream monitoring program, specifically to evaluate the effectiveness of planting in the riparian areas. We plan to sample measures of habitat integrity, such as bank stability and canopy cover, near the headwaters of Pattee Creek, as well as in the residential area both before and after planting.

The O'Connor Center is responsible for sampling streams across the West on BLM land in this way. It would allow Pattee to get baseline data on its condition to inform future land management decisions. The O'Connor center supports this project and encourages the Montana Department of Environmental Quality to give this proposal full consideration for Section 319 funding.

Sincerely,

Matt Trentman, Associate Director

O'Connor Center for the Rocky Mountain West
Missoula, Montana 59812 I P: 785-320-3902 I E: matthew.trentman@umontana.edu

February 18, 2026

MT Department of Environmental Quality
319 Nonpoint Source Program
1520 E. Sixth Avenue
PO Box 200901
Helena, MT 59620

RE: Letter of Support – Pattee Creek Revegetation and Public Outreach Project

Dear Members of the DEQ Nonpoint Source Funding Review Panel:

For the past few years, Missoula Conservation District (MCD) and the City of Missoula Stormwater Utility (Stormwater) have worked to preserve or enhance water quality and protect riparian habitat in our overlapping jurisdictions. One project was a 2022 partnership to begin restoration on Pattee Creek through revegetation efforts. The next year, both agencies continued that work, with the MCD working upstream into areas where MCD has jurisdiction under the Montana Natural Streambed and Land Preservation Act (310 Law), and Stormwater working downstream. Now both agencies, and local landowners, would like to see this work continue.

Pattee Creek is a difficult stream for the Conservation District to address and will require a diverse partnership to restore. Below South Higgins Ave, the creek has been so manipulated that the MCD Board of Supervisors has given up their jurisdiction under the 310 Law, yet Pattee Creek is listed in the Bitterroot River Watershed Restoration Plan due to the contamination it causes to the Bitterroot River. This problem stems from the abuses the creek faces as it moves through a largely human-dominated landscape. Without a team leader such as Stormwater, it is doubtful that any entity could help restore this stream to its full potential.

The MCD endorses Stormwater's funding request as it will increase their capacity to implement conservation objectives along Pattee Creek. An additional publicly led restoration effort on this biologically significant stream would be a hallmark of a locally-lead community restoration partnership, and would not only protect water quality and biodiversity but add a beautiful resource for the citizens of Missoula. We ask that DEQ please be a part of this partnership and financially support the City of Missoula Stormwater Utility's grant proposal.

Sincerely,

Radley Watkins, Executive Director

MISSOULA PUBLIC HEALTH
Environmental Health
Water Quality District

301 West Alder Street
Missoula MT 59802-4123

P: 406.258.4890
www.missoulapublichealth.org

To: MT Department of Environmental Quality
319 Nonpoint Source Program
1520 E. Sixth Avenue
PO Box 200901
Helena, MT 59620

RE: Letter of Support – Pattee Creek Restoration Project

Dear Members of the DEQ Nonpoint Source Funding Review Panel,

The Missoula Valley Water Quality District would like to extend our support for the Pattee Creek Riparian Restoration Project put forth by the City of Missoula Stormwater Utility. This effort will play an important role in decreasing nonpoint source pollutant loads to the Bitterroot River. Additionally, it will restore aspects of ecological function important to improving local groundwater quality. Education and outreach opportunities stemming from this project will enable local landowners to understand the role and impact they can have in water quality efforts. Our strong partnership during previous collaborations makes us confident this is a project that will result in meaningful water quality improvements that promote community engagement. We encourage you to fund this project. Thank you for the opportunity to demonstrate our support for this project.

Sincerely,

Rachel Suhs, REHS, MS

Environmental Health Specialist
rsuhs@missoulacounty.us | (406) 258-3369

CLARK FORK COALITION

(406) 542-0539
PO Box 7593
Missoula, MT 59807
clarkfork.org

19 February 2026

MT Department of Environmental Quality
319 Nonpoint Source Program
1520 E. Sixth Avenue
PO Box 200901
Helena, MT 59620

Re: Letter of Support – Pattee Creek Restoration Project

Dear Members of the MT DEQ Nonpoint Source Funding Review Panel,

I provide this letter in support of the U.S. Environmental Protection Agency (EPA) 319 Program grant application submitted by the City of Missoula Stormwater Utility for improvements to a reach of Pattee Creek within Missoula City limits. My organization, Clark Fork Coalition, works to protect and restore the Clark Fork River watershed, which includes the Bitterroot River and its tributaries. Pattee Creek is a perpetual tributary of the Bitterroot River which has been significantly impaired by urban development. Pattee Creek supplies high water temperatures and sediment loads into the Bitterroot, decreasing the overall water quality of the Bitterroot River and the larger Clark Fork River watershed.

The proposed restoration project would improve the riparian buffer around Pattee Creek, reducing sedimentation and temperature by providing filtration and shade. Its education and outreach component supports greater watershed restoration efforts by generating public awareness and interest in revegetation. Clark Fork Coalition supports this project as it clearly aligns with our mission to *protect and restore the Clark Fork River watershed*.

Thank you for considering this important project. Please reach out if you require additional information.

Sincerely,

Brian C. Chaffin, Ph.D.
Executive Director
Clark Fork Coalition

brian@clarkfork.org
+1 (406) 550-5503

Watershed Education Network

Growing the next generation of watershed stewards

PO Box 9201
802 East Front Street
Missoula, MT 59807

406-541-9287
water@montanawatershed.org

Montana Department of Environmental Quality
319 Nonpoint Source Pollution Reduction Project
1520 E. Sixth Avenue/ PO Box 200901
Helena, MT 59620

RE: Letter of Support – Pattee Creek Revegetation and Public Outreach

February 17th, 2026

Dear Members of the DEQ Nonpoint Source Funding Review Panel:

On behalf of the Watershed Education Network (WEN), I am writing to express support of the Pattee Creek Revegetation and Public Outreach project being applied for by the City of Missoula Stormwater Utility. Pattee Creek has been diverted, piped, and channelized as a result of colonization and urban development, and water quality has diminished as urbanization has increased. The grant would work to collaborate with landowners along Pattee Creek to plant native vegetation along riparian buffers on the banks of both the upper and lower portions of the creek. Not only would the project improve water quality, but it would also boost community support and care for Pattee Creek that has historically been underappreciated.

WEN will offer our direct support with administering part of the project's education and outreach component through citizen science monitoring via our Stream Team program. This would include channel dimensions, benthic invertebrates, stream flow, riparian vegetation, substrate compositions, and water quality in both the upper and lower reaches of the creek. WENs program is already established and has already successfully done this on other creeks in the Missoula area, such as Rattlesnake creek and Grant Creek.

This expansion of our Stream Team to Pattee would expand our work and get community members engaged in Pattee Creek to provide baseline data. When community members gain both an emotional and practical connection to the land and water, restoration investments are more likely to be sustained over time.

WEN supports this project and encourages the Montana Department of Environmental Quality to give this proposal full consideration for Section 319 funding.

Sincerely,
Deb Fassnacht
Founder and Executive Director
deb@montanawatershed.org

Maps and Study Area

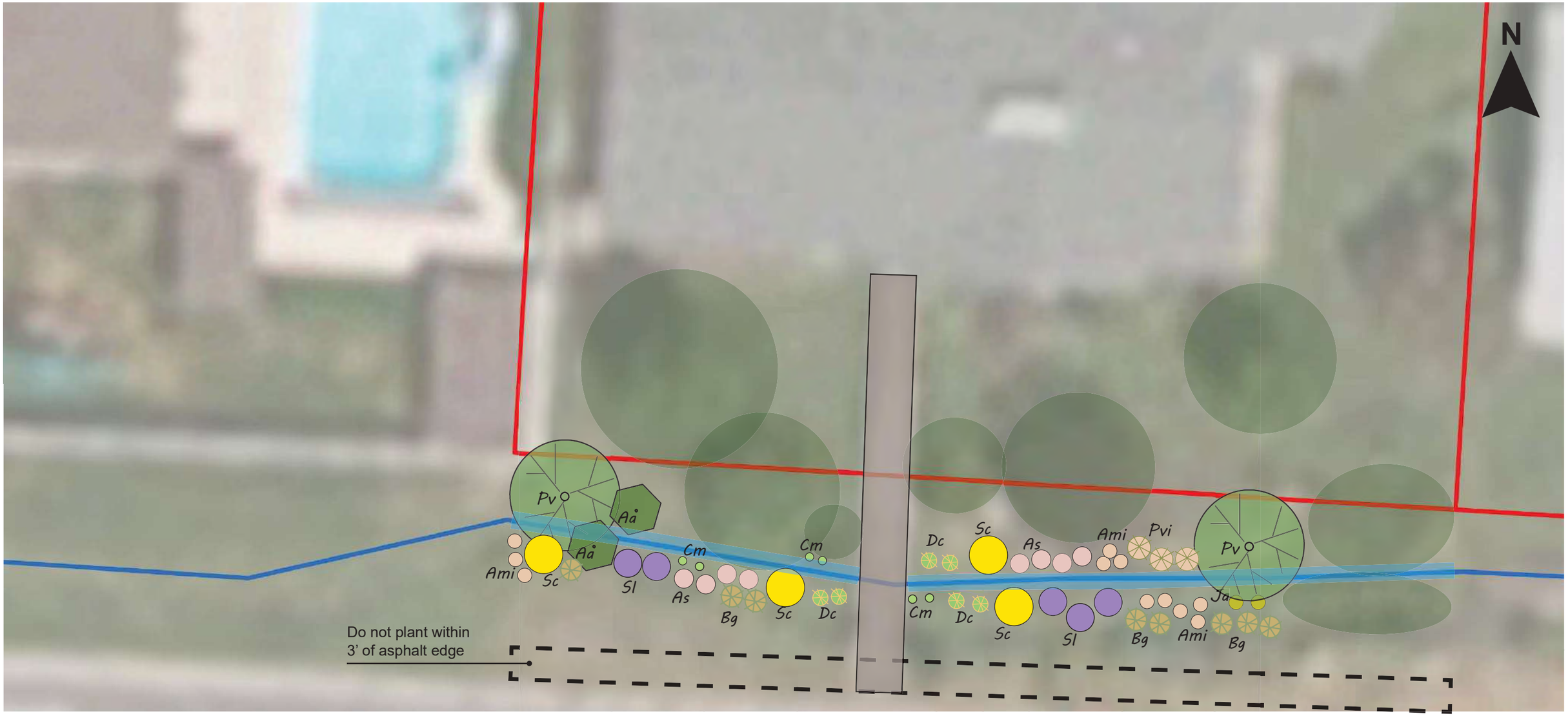
Pattee Creek Riparian Revegetation Project

Map Frame shows targeted parcels for the 2026 Pattee Creek Riparian Revegetation Project. Each parcel is given its individual address number which coincides with an Excel spreadsheet that provides more information on landowner identity and interest with the project. Please refer to the spreadsheet for any questions about individual landowners.


Cutthroat Corner
Bancroft Pond
Bitterroot Swale
Sample Sites
Pattee Creek Pipe
Pattee Creek
Green Infrastructure
Pattee Creek Riparian Revegetation Project
Water Quality Sampling Sites

Pattee Creek Restoration Project: 244 Pattee Creek Dr

STORM WATER
City of Missoula



General Notes:

- Do not damage existing tree and shrub roots while planting

Serviceberry & chokecherry: dig until depth of roots, 2x wider than pot, backfill with original soil

Rest: plant to full root depth, backfill with original soil

Legend

- Property line of participating landowner
- Pattee Creek
- Approx. location of walkway/driveway
- Existing vegetation to remain undisturbed

Pv — Prunus virginiana **chokecherry**

Aa — Amelanchier alnifolia **serviceberry**

Ami — Achillea millefolium **common yarrow**

As — Asclepias speciosa **showy milkweed**

Bg — Bouteloua gracilis **blue grama**

Cm — Carex microptera **small wing sedge**

Dc — Deschampsia cespitosa **tufted hair grass**

Ja — Juncus arcticus **arctic rush**

Pvi — Panicum virgatum **switchgrass**

Sl — Symphyotrichum laeve **smooth blue aster**

Sc — Solidago canadensis **Canada goldenrod**

0 5 10 25 feet

Matting & Deer Protection:

- group weed matting (3 strips)
- Individual netting with 2 stakes (make sure there is room around each):
common yarrow, showy milkweed, smooth blue aster, Canada goldenrod

- Individual metal fencing with t posts: chokecherry, serviceberry

2026 Pattee Restoration Application Final_for signature

Final Audit Report 2026-03-06

Created:	2026-03-04
By:	Tracy Campbell (campbelltl@ci.missoula.mt.us)
Status:	Signed
Transaction ID:	CBJCHBCAABAAMPos8S5NVaGTc_wRQasTEMd4V8YkUzTk

"2026 Pattee Restoration Application Final_for signature" History

Document created by Tracy Campbell (campbelltl@ci.missoula.mt.us)
2026-03-04 - 5:32:18 PM GMT

Document e-signed by Tracy Campbell (campbelltl@ci.missoula.mt.us)
Signature Date: 2026-03-04 - 5:34:27 PM GMT - Time Source: server

Document emailed to Ryan Sudbury (SudburyR@ci.missoula.mt.us) for approval
2026-03-04 - 5:34:32 PM GMT

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Document approved by Ryan Sudbury (SudburyR@ci.missoula.mt.us)
Approval Date: 2026-03-05 - 6:27:50 PM GMT - Time Source: server

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2026-03-05 - 6:27:56 PM GMT

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2026-03-06 - 4:58:11 PM GMT

Document e-signed by Claire Trimble (trimblec@ci.missoula.mt.us)
Signature Date: 2026-03-06 - 11:32:00 PM GMT - Time Source: server

Agreement completed.
2026-03-06 - 11:32:00 PM GMT