

**Water Supply Reserve Fund  
Water Activity Summary Sheet  
March 10-11, 2021  
Consent Agenda Item 2(d)**

**Applicant & Grantee:** City of Glenwood Springs  
**Water Activity Name:** Three Mile Creek Confluence Restoration Project  
**Water Activity Purpose:** Nonconsumptive (Environmental & Recreational) and Education & Outreach - Implementation  
**County:** Garfield County  
**Drainage Basin:** Colorado River  
**Water Source:** Three Mile Creek  
**Amount Requested:** \$10,000 Colorado Basin Account  
\$85,000 Statewide Account  
\$95,000 Total Request

**Matching Funds:** **Basin Account Match = \$10,000**

- 11.7% of statewide request (meets 10% min)

**Applicant & 3rd Party Match** (\$120,000 cash & \$25,750 in-kind) = \$145,750

- 171% of the statewide request (meets 10% min)

**Total Match** (Basin request & Applicant Match) = \$155,750

- 183% of the statewide request (meets 50% min)

<b>Staff Recommendation:</b>
Staff recommends approval of up to \$10,000 from the Colorado Basin Account and up to \$85,000 from the Statewide Account to help fund the project: Three Mile Creek Confluence Restoration Project

**Water Activity Summary:** The Three Mile Creek Confluence in southern Glenwood Springs is a heavily used natural area that has been degraded over time due to increasing recreational use and pedestrian traffic.

The City of Glenwood Springs, in partnership and input from many local stakeholders has identified improvements that will allow the space to be enjoyed by visitors while also protecting the area’s ecological diversity: stabilization and ecological restoration of over 500 linear feet of bio-engineered bank stabilization, reestablishing native riparian vegetation by planting over 30,000 square feet of trees and shrubs, installing more than 500 linear feet of fencing to reduce the impact of pets and pedestrians, removing a large number of invasive species, restoring over 8,000 square feet of wetland/riparian areas, and multiple new signs that will educate the public on the importance of a healthy riparian ecosystem and spawning restrictions associated with sensitive confluences.

The proposed work as part of this grant is a subset of the complete project due to funding limitations, but the overall intent of the WSRF grant funding will be to stabilize banks and reestablish a healthy ecosystem at a sensitive stream confluence. The applicant has secured additional CWCB Watershed Restoration funding.

**Discussion:** The proposed project furthers the Colorado Basin Roundtable’s stated objective in its Basin Implementation Plan of protecting and restoring healthy streams, rivers, lakes, and riparian areas.

**Issues/Additional Needs:** No issues or additional needs have been identified.

**Eligibility Requirements:** The application meets requirements of all eligibility components.

**Evaluation Criteria:** Staff has determined this activity satisfies the Evaluation Criteria.

<b>Funding Sources/Match</b>	<b>Cash</b>	<b>In-Kind</b>	<b>Total</b>	<b>Status</b>
City of Glenwood Springs, River Commission & Designers	\$35,000	\$25,750	\$60,750	Secured
CWCB Watershed Restoration Program	\$85,000	\$0	\$85,000	Secured
<b>Sub-Total Matching Funds</b>	<b>\$120,000</b>	<b>\$25,750</b>	<b>\$145,750</b>	
WSRF Colorado Basin Account	\$10,000	\$0	\$10,000	Secured
WSRF Statewide Account	\$85,000	\$0	\$85,000	
<b>Sub-Total WSRF Funds</b>	<b>\$95,000</b>	<b>\$0</b>	<b>\$95,000</b>	
<b>Total Project Costs</b>	<b>\$215,000</b>	<b>\$25,750</b>	<b>\$240,750</b>	

**CWCB Project Manager:** Chris Sturm



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**Colorado Water Conservation Board**  
**Water Supply Reserve Fund**  
**Grant Application**

**Instructions**

All WSRF grant applications shall conform to the current [2020 WSRF Criteria and Guidelines](#).

To receive funding from the WSRF, a proposed water activity must be recommended for approval by a Roundtable(s) **AND** the approved by the Colorado Water Conservation Board (CWCB). The process for roundtable consideration and recommendation is outlined in the 2020 WSRF Criteria and Guidelines. The CWCB meets bimonthly.

If you have questions, please contact the WSRF Grant Program Manager (for all Roundtables) or your Roundtable Liaison:

Ben Wade <a href="mailto:ben.wade@state.co.us">ben.wade@state.co.us</a> 303-866-3441 x3238 (office)	Sam Stein <a href="mailto:Sam.stein@state.co.us">Sam.stein@state.co.us</a> 303-866-3441(office)
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**WSRF Submittal Checklist (Required)**

- YES  NO  This request was recommended for CWCB approval by the sponsoring roundtable.
  - YES  NO  I have read and understand the [2020 WSRF Criteria and Guidelines](#).
  - YES  NO  Grantee will be able to contract with CWCB using the [Standard Contract](#).<sup>1</sup>
- Application Documents included:**
- YES  NO  Exhibit A: Statement of Work<sup>2</sup> (*Word – see Template*)
  - YES  NO  Exhibit B: Budget & Schedule<sup>2</sup> (*Excel Spreadsheet – see Template*)
  - YES  NO  Letters of Matching and/or Pending 3<sup>rd</sup> Party Commitments<sup>2</sup>
  - YES  NO  Map<sup>2</sup>
  - YES  NO  Photos/Drawings/Reports
  - YES  NO  Letters of Support
- Contracting Documents<sup>3</sup>**
- YES  NO  Detailed/Itemized Budget<sup>3</sup> (*Excel Spreadsheet – see Template*)
  - YES  NO  Certificate of Insurance<sup>4</sup> (*General, Auto, & Workers’ Comp.*)
  - YES  NO  Certificate of Good Standing<sup>(4)</sup>
  - YES  NO  W-9 Form<sup>4</sup>
  - YES  NO  Independent Contractor Form<sup>4</sup> (*If applicant is individual, not company/organization*)
  - YES  NO  Electronic Funds Transfer (ETF) Form<sup>4</sup>

<sup>1</sup>Click “Grant Agreements”. For reference only/do not fill out or submit/required for contracting  
<sup>2</sup> Required with application if applicable.  
<sup>3</sup> Additional documentation providing a Detailed/Itemized Budget maybe required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.  
<sup>4</sup> Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.



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Schedule		
CWCB Meeting	Application Submittal Dates	Type of Request
January	October 1	Basin Account
March	December 1	Basin/Statewide Account/Water Plan Grant Match <sup>1</sup>
May	February 1	Basin Account
July	April 1	Basin Account
September	June 1	Basin/Statewide Account
November	August 1	Basin Account

<sup>1</sup> If either the basin or statewide match includes matching funds from a pending Water Plant Grant, both must be submitted by December 1st deadline for March Board meeting review.

Water Activity Summary	
Name of Applicant	City of Glenwood Springs
Name of Water Activity	Three Mile Creek Confluence Restoration Project
Approving Roundtable(s)	Basin Account Request(s) <sup>1</sup>
Colorado Basin Roundtable	\$10,000
*CWCB Watershed Restoration Program	\$85,000
*Glenwood Springs Cash Match	\$35,000
*In Kind Match	\$27,750
Basin Account Request Subtotal	\$10,000
Basin Account Request Subtotal Approved by Roundtable	\$10,000
Statewide Account Request <sup>(1)</sup>	\$85,000
Total WSRF Funds Requested (Basin & Statewide)	\$95,000
Total Project Costs	\$240,750

<sup>1</sup> Please indicate the amount recommended for approval by the Roundtable(s)

Grantee and Applicant Information	
Name of Grantee(s)	City of Glenwood Springs
Mailing Address	101 West 8 <sup>th</sup> Street, Glenwood Springs, CO 81601
FEIN	98-04162



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Grantee and Applicant Information	
<b>Grantee's Organization Contact<sup>1</sup></b>	Trent L. Hyatt
Position/Title	Senior Planner
Email	trent.hyatt@cogs.us
Phone	970-384-6427
<b>Grant Management Contact<sup>2</sup></b>	<u>Trent Hyatt</u>
Position/Title	Senior Planner
Email	trent.hyatt@cogs.us
Phone	970-384-6427
<b>Name of Applicant (if different than grantee)</b>	
Mailing Address	
Position/Title	
Email	
Phone	

<sup>1</sup> Person with signatory authority

<sup>2</sup> Person responsible for creating reimbursement invoices (Invoice for Services) and corresponding with CWCB staff.

Description of Grantee
Provide a brief description of the grantee's organization (100 words or less).
The City of Glenwood Springs is a well-known governmental organization in the Roaring Fork Valley with a successful history in the administration of grants/management of projects with funding from federal, state, and local sources. Glenwood Springs successfully completed a planning grant for the current request and has completed similar restoration projects at two other City owned parks in the last two years.

Type of Eligible Entity (check one)	
X	<b>Public (Government):</b> municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
	<b>Public (Districts):</b> authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises
	<b>Private Incorporated:</b> mutual ditch companies, homeowners associations, corporations



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Type of Eligible Entity (check one)	
<input type="checkbox"/>	<b>Private Individuals, Partnerships, and Sole Proprietors:</b> are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
<input type="checkbox"/>	<b>Non-governmental organizations:</b> broadly, any organization that is not part of the government
<input type="checkbox"/>	<b>Covered Entity:</b> as defined in <a href="#">Section 37-60-126 Colorado Revised Statutes</a>

Type of Water Activity (check one)	
<input type="checkbox"/>	Study
<input checked="" type="checkbox"/>	Implementation

Category of Water Activity (check all that apply)		
<input checked="" type="checkbox"/>	Nonconsumptive (Environmental)	
<input checked="" type="checkbox"/>	Nonconsumptive (Recreational)	
<input type="checkbox"/>	Agricultural	
<input type="checkbox"/>	Municipal/Industrial	
<input type="checkbox"/>	Needs Assessment	
<input checked="" type="checkbox"/>	Education & Outreach	
<input type="checkbox"/>	Other	Explain:

Location of Water Activity	
Please provide the general county and coordinates of the proposed activity below in <b>decimal degrees</b> . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Countries	Garfield County
Latitude	39.5144604N
Longitude	-107.317885W

Water Activity Overview
<p>Please provide a summary of the proposed water activity (200 words or less). Include a description of the activity and what the WSRF funding will be used for specifically (e.g. studies, permitting, construction). Provide a description of the water supply source to be utilized or the water body affected by the activity. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, area of habitat improvements. If this project addresses multiple purposes or spans multiple basins, please explain.</p> <p>The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, and Schedule.</p>



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**Water Activity Overview**

The Three Mile Creek Confluence in southern Glenwood Springs is a heavily used natural area that has been degraded over time due to increasing recreational use and pedestrian traffic. The City of Glenwood Springs, in partnership and input from many local stakeholders has identified improvements that will allow the space to be enjoyed by visitors while also protecting the area’s ecological diversity: stabilization and ecological restoration of over 500 linear feet of bio-engineered bank stabilization, reestablishing native riparian vegetation by planting over 30,000 square feet of trees and shrubs, installing more than 500 linear feet of fencing to reduce the impact of pets and pedestrians, removing a large number of invasive species, restoring over 8,000 square feet of wetland/riparian areas, and multiple new signs that will educate the public on the importance of a healthy riparian ecosystem and spawning restrictions associated with sensitive confluences. The proposed work as part of this grant is a subset of the complete project due to funding limitations, but the overall intent of the grant funding will be to stabilize banks and reestablish a healthy ecosystem at a sensitive stream confluence. Funding is being requested from multiple sources and the design team will evaluate proposed measures to be implemented based on final funding available.

**Measurable Results**

To catalog measurable results achieved with WSRF funds please provide any of the following values.		
	New Storage Created (acre-feet)	
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
	Existing Storage Preserved or Enhanced (acre-feet)	
500+	Length of Stream Restored or Protected (linear feet) – <u>Bioengineering stabilization</u>	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
8,000	Area of Restored or Preserved Habitat (acres)	
400	Length of Pipe/Canal Built or Improved (linear feet)	
X	Other	<ul style="list-style-type: none"> <li>• 5,000 square feet of invasive species removal</li> <li>• 3 educational signs</li> <li>• 500 linear feet of fencing</li> </ul>

**Water Activity Justification**

Provide a description of how this water activity supports the goals of [Colorado’s Water Plan](#), the most recent [Statewide Water Supply Initiative](#), and the respective [roundtable Basin Implementation Plan and Education Action Plan](#) <sup>(1)</sup>. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).

For applications that include a request for funds from the Statewide Account, the proposed water activity shall be evaluated based upon how well the proposal conforms to Colorado’s Water Plan criteria for state support (CWP, Section 9.4, pp. 9-43 to 9-44;) (Also listed pp. 4-5 in [2020 WSRF Criteria and Guidelines](#)).



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**Water Activity Justification**

The Three Mile Creek confluence project supports many of the goals of the Colorado Water Plan, the Statewide Water Supply Initiative, and Colorado River Basin Roundtable Basin Implementation Plan. The overall project is an ecological restoration and educational campaign to provide the City of Glenwood Springs and the multitude of visitors to the City a natural pristine place to recreate and learn as well as provide the ecological services to support a thriving riparian/wetland corridor that will benefit not only the environment but reduce sedimentation impacts from erosion and help reduce water temperatures by providing riparian cover. The project will also protect a sensitive spawning area as described by Colorado Parks and Wildlife.

Colorado Water Plan: The Three Mile creek confluence project meets the five main goals noted at the beginning of the Environmental and Recreational Projects and Method sections of the Colorado Water Plan. (CWP pg 6-157)

Colorado River Basin Roundtable Basin Implementation Plan: The Three Mile creek confluence project meets the #1 Theme which is “Protect and Restore Healthy Streams, Rivers, Lakes, and Riparian Areas” (CWP, pg 6-172). The project will also be included on the upcoming BIP to be included in the updated Colorado Water Plan.

Statewide Water Supply Initiative: The Three Mile creek confluence project aligns with the Key Future Water Management Issues for the Colorado Basin in “Recreational use and environmental conservation are major drivers in the basin and are important for economic health and quality of life” (SWSI, pg 77).

The project addresses not only environmental needs, but also recreational and potentially municipal and agricultural needs. The revitalization and inclusion of riparian and wetland plantings will not only provide bank stabilization, better water quality and habitat, but will also reduce stream temperatures, reduce erosion and potential downstream sediment aggradation, and provide educational opportunities to better inform the community about sensitive human/environmental interfaces. A robust outreach and educational campaign took part as part of this planning process. The confluence area is also used by many recreationalists that provide an economical uplift to the community. The work has partnered with many non-profits throughout the area including the Roaring Fork Conservancy, Middle Colorado Watershed Council, Pitkin County Health Rivers, and Glenwood Springs River Commission. This project also is being completed after a recent adoption of a riparian setback land use code the Glenwood Springs River Commission has been heading up over the past 2 years.

Three educational signs will be developed through this project o informat and outreach to the greater public why these areas are important and vital to protect. Work will be completed by contractors as well as volunteers to give the community a sense of ownership.

All the proposed construction work also fits seamlessly with the riparian planting guide recently supported by Colorado River Basin Roundtable.

<sup>1</sup> Access Basin Implementation Plans or Education Action Plans from Basin drop down menu.

**Matching Requirements: Basin Account Requests**

**Basin (only) Account** grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3<sup>rd</sup> party and shall be accompanied by a **letter of commitment** as described in the [2020 WSRF Criteria and Guidelines](#) (submitted on the contributing entity’s letterhead). Attach additional sheet if necessary.

Contributing Entity	Amount and Form of Match (note cash or in-kind)





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### Related Studies

1. Three Mile Creek Emergency Repairs
2. Three Mile Creek Confluence Planning Project – Conceptual Design Report and Public Outreach
3. Three Mile Creek Confluence 90% Designs
4. Colorado Parks and Wildlife Memorandum
5. City of Glenwood Springs Riparian Outreach and Recommended Plantings Manual

### Previous CWCB Grants

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order

1. City of Glenwood Springs - Riparian Outreach and Recommended Plantings Manual - Colorado River Basin Roundtable Public Education, Participation, and Outreach Funding– \$2,000 Awarded April 22, 2019, Invoice Dated April 25, 2019

### Tax Payer Bill of Rights

1. Not applicable.



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<b>Colorado Water Conservation Board</b>	
<b>Water Supply Reserve Fund</b>	
<b><u>Exhibit A - Statement of Work</u></b>	
<b>Date:</b>	<b>10/25/20</b>
<b>Water Activity Name:</b>	<b>Three Mile Creek Confluence</b>
<b>Grant Recipient:</b>	<b>City of Glenwood Springs</b>
<b>Funding Source:</b>	
<b>Water Activity Overview:</b> (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for. (PLEASE DEFINE ALL ACRONYMS).)	
<p>The Three Mile Creek Confluence in southern Glenwood Springs is a heavily used natural area that has been degraded over time due to increasing recreational use and pedestrian traffic. The City of Glenwood Springs, in partnership and input from many local stakeholders has identified improvements that will allow the space to be enjoyed by visitors while also protecting the area’s ecological diversity: stabilization and ecological restoration of over 500 linear feet of bio-engineered bank stabilization, reestablishing native riparian vegetation by planting over 30,000 square feet of trees and shrubs, installing more than 500 linear feet of fencing to reduce the impact of pets and pedestrians, removing a large number of invasive species, restoring over 8,000 square feet of wetland/riparian areas, and multiple new signs that will educate the public on the importance of a healthy riparian ecosystem and spawning restrictions associated with sensitive confluences. The proposed work as part of this grant is a subset of the complete project due to funding limitations, but the overall intent of the grant funding will be to stabilize banks and reestablish a healthy ecosystem at a sensitive stream confluence. Funding is being requested from multiple sources and the design team will evaluate proposed measures to be implemented based on final funding available.</p>	
<b>Objectives:</b> (List the objectives of the project. (PLEASE DEFINE ACRONYMS).)	
<p>The overarching objectives of this project are to provide ecological uplift to a sensitive confluence area, while also providing user access and enjoyment at the site and educational opportunities to inform people about sensitive riparian confluences.</p> <ul style="list-style-type: none"> <li>• Revegetation</li> <li>• Bank stabilization</li> <li>• Invasive species removal</li> <li>• Education/Outreach</li> <li>• Water Quality</li> <li>• Aquatic and Terrestrial Habitat Enhancement</li> <li>• Spawning protection</li> <li>• Ditch revegetation</li> <li>• Water Quality Enhancement</li> </ul>	



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<b>Tasks</b>
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<b>Task 1 – Debris Removal</b>
Description of Task:
Throughout the project area there are instances of debris and large trash items that have been acquired over time. These aspects are too large for volunteer activities to remove and will need heavy equipment. The debris is composed of concrete debris, concrete footers, and dilapidated split rail fencing.
Method/Procedure:
The project team will use CWCB funding to remove accumulated debris and haul to offsite disposal location.
Grantee Deliverable:
Removal of debris from project area.
CWCB Deliverable:
Photo documentation, contractor invoices, and closeout memorandum.
<b>Task 2 – Invasive Species Removal</b>
Description of Task:
The project team has developed a plan sheet that details the process of invasive species removal, including photos and best management practices, and will remove many invasive species throughout the project area.
Method/Procedure:
The project team will use matching funds to complete the removal of invasive species in the Three Mile Creek Confluence area. The work will be supervised by design ecologist. Procedures in the construction plan set as well as direction from the design team will be followed.
Grantee Deliverable:
The deliverable of this task is the removal of over 7,000 square feet of invasive species. The deliverable will also include training of River Commissioner on invasive species removal that can be additional completed on site or at other areas throughout the watershed.
CWCB Deliverable:
Photo documentation, contractor invoices, and closeout memorandum.
<b>Task 3 – Bio-Engineering Bank Stabilization</b>
Description of Task:
Approximately 500 linear feet of bio-engineered bank stabilization will be provided through the installation buried boulders with native stream substrate revetment and intensive revegetation. The boulders will be buried to provide structural stability for the park area, but buried and covered with native stream substrate to limit increased velocities due to boulders and also reduce visual appearance of lined boulder wall. This installation will not only prevent erosion that is damaging the creek’s ecosystem, but also provide habitat and refugia for native animal species. Further, the stabilization will keep existing overflow channels activated to prevent avulsions.
Method/Procedure:
The project team will use CWCB funds to purchase and install larger native stream substrate, rounded boulders, harvest willows and install fascines. Onsite materials will be utilized as possible. Work will



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<b>Tasks</b>
include installing boulders to be buried with stream substrate and then revegetated with mature willow plantings, wetland plugs, willow cuttings (trenched and untrenched), and fascines. Bio-engineering bank stabilization features will also be stabilized with KoirMat 400 and 1000 as appropriate depending on locations. Procedures in the construction plan set as well as direction from the design team will be followed.
Grantee Deliverable:
The deliverables of this task are 500 linear feet of bio-engineered bank stabilization. Based on available funding bank stabilization length could be increased to provide stabilization less prioritized areas.
CWCB Deliverable:
Photo documentation, contractor invoices, and closeout memorandum.
<b>Task 4 – Reestablishment of Native Riparian Vegetation and Wetland Plantings</b>
Description of Task:
As part of a previous task the project team will install approximately 500 linear feet of bio-engineered bank stabilization that will include planting of native riparian vegetation. Additionally, over 30,000 square feet of native wetland/riparian vegetation will be reestablished through the planting of large trees, small trees, shrubs, and grasses in different ecological zones. Volunteers will assist the project team in completing this task over at least two days of planting.
Method/Procedure:
The project team will use CWCB funding for on-site earthwork to provide stabilization and assist in reestablishing native vegetation. The revegetation will include 592 forbs and graminoids, 23 #15 trees, 3,520 48-inch willow cuttings, 341 D60 shrubs/perennials, 290 willow waddles/fascines, 15,259 square feet of upland seeding, 13,071 square feet of wetland and riparian seeding. The funding will also include the use of 23 plant cages, 1,000 square yards of KoirMat 400, and 500 square yards of KoirMat 1000. The funding will also provide for more than 2 years of irrigation at the site. Irrigation will also be supplement by volunteers.
Grantee Deliverable:
The deliverables of this task are a fully revegetated site.
CWCB Deliverable:
Photo documentation, contractor invoices, and closeout memorandum.
<b>Task 5 – Site Work</b>
Description of Task:
The project team will repair existing flagstones, install new flagstones, enclose the area’s restrooms, install boulders for both seating and boat tie-offs, create a designated foot trail using crusher fines, and install a picnic table for users of the area. Re-stabilization of existing boulder wall and inclusion of smaller steps will allow greater use at the site. The purpose of this tasks is to provide the public designated areas where they can enjoy the confluence without impact sensitive riparian corridors associated with the confluence. The site work will also provide an enclosure for an existing restroom and boulder boat tie-offs to limit ecological deterioration from recreational use. The site work aspects will also support the educational signage discussed in a later task.
Method/Procedure:
The project team will purchase and install 200 square feet of new flagstones, repair 100 feet of existing flagstone, provide a restroom enclosure, 250 linear feet of foot trails, 3 boulder seats, 4 boulder boat tie offs and a picnic table. Approximately 25 linear feet of boulder steps will also be



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<b>Tasks</b>
included that will allow greater access to the site by younger children or people with disabilities. Procedures in the construction plan set as well as direction from the design team will be followed.
Grantee Deliverable:
The deliverable of this task will be a robust site that allows the public to safely use the confluence area, while also limiting ecological deterioration from this use. The overall intent of the site work will be to work with nature by provide environmentally aesthetic features the fit the landscape.
CWCB Deliverable:
Photo documentation, contractor invoices, and closeout memorandum.
<b>Task 6 – Fencing</b>
Description of Task:
The project team will install approximately 500 linear feet of fencing to reduce the impact of people and pets on the Three Mile Creek Confluence area and to allow for revegetation efforts and native plants to be successful in their growth. Additional fencing could be utilized if funding allows.
Method/Procedure:
The project team will purchase 500 linear feet of split rail fencing.
Grantee Deliverable:
The deliverable of this task is the installation of 500 linear feet of split rail fencing.
CWCB Deliverable:
Photo documentation, contractor invoices, and closeout memorandum.
<b>Task 7 – Public Education</b>
Description of Task:
The project team will install an educational interpretive sign detailing the importance of wetland and riparian vegetation efforts for ecosystem improvements, an educational sign explaining the importance of area closures during sensitive fish spawning periods, an informational boating sign, and wayfinding signage. The City as well as design team will support this task with cash and in-kind match.
Method/Procedure:
The project team will use funds to design, purchase, and install signage.
Grantee Deliverable:
The deliverable of this task is the installation of four signs in the Three Mile Creek Confluence area.
CWCB Deliverable:
Photo documentation, contractor invoices, and closeout memorandum.
<b>Task 8 – Design and Construction</b>
Description of Task:
The project team will complete the final design and permitting for the project plan. The project team will also provide funding for construction costs of mobilization, dewatering, surveying, and pedestrian control, as well as for final construction services. The City as well as the design team will support this task with in-kind match.
Method/Procedure:
The project team will use matching funds to complete the final design and permitting for the project plan, mobilization, dewatering, surveying, pedestrian control, and final construction services.
Grantee Deliverable:



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Tasks
The deliverables of this task are the project team bringing the final design from 90 percent completion to 100 percent, as well as providing for necessary construction costs to complete all project tasks.
CWCB Deliverable:
Photo documentation, contractor invoices, and closeout memorandum.

Budget and Schedule
<b>Exhibit B - Budget and Schedule:</b> This Statement of Work shall be accompanied by a combined <a href="#">Budget and Schedule</a> that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in <a href="#">excel format</a> . A separate <a href="#">excel formatted</a> Budget is required for engineering costs to include rate and unit costs.

Reporting Requirements
<b>Progress Reports:</b> The grantee shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.
<b>Final Report:</b> At completion of the project, the grantee shall provide the CWCB a Final Report on the grantee's letterhead that: <ul style="list-style-type: none"> <li>• Summarizes the project and how the project was completed.</li> <li>• Describes any obstacles encountered, and how these obstacles were overcome.</li> <li>• Confirms that all matching commitments have been fulfilled.</li> <li>• Includes photographs, summaries of meetings and engineering reports/designs.</li> </ul>

Payments
Payment will be made based on actual expenditures, must include invoices for all work completed and must be on grantee's letterhead. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.
The CWCB will pay the last 10% of the <u>entire</u> water activity budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the water activity and purchase order or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to CWCB within 90 days of the expiration of a purchase order or contract may be denied consideration for future funding of any type from CWCB.

Performance Requirements
Performance measures for this contract shall include the following: (a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Grant Guidelines, the CWCB will pay out the last 10% of the budget when the final deliverable is completed to the satisfaction of CWCB staff. Once the final deliverable has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.



Last Update: March 17, 2020

<https://cwcb.colorado.gov/>

### Performance Requirements

(b) Accountability: Per the Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per the Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.

(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.



**Colorado Water Conservation Board**

**Water Supply Reserve Fund**

**EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs**

Date: 11/9/20

Water Activity Name: Three Mile Creek Confluence Restoration Project

Grantee Name:

Task No. <sup>(1)</sup>	Description	Start Date <sup>(2)</sup>	End Date	Matching Funds (cash & in-kind) <sup>(3)</sup>			WSRF Funds (Basin & Statewide combined) <sup>(3)</sup>	Total
				CWRP - Cash (CWCB)	City of Glenwood Springs - Cash	City of Glenwood Springs - In-Kind		
1	Debris Removal	July 1, 2021	October 1, 2021	\$1,000	\$1,000	\$0	\$3,000	\$5,000
2	Invasive Species Removal	July 1, 2021	October 1, 2021	\$3,000	\$1,000	\$0	\$3,200	\$7,200
3	Bio-Engineering Bank Stabilization	July 1, 2021	October 1, 2021	\$20,700	\$8,000	\$0	\$20,700	\$49,400
4	Reestablishment Vegetation	July 1, 2021	October 1, 2021	\$34,500	\$15,000	\$0	\$34,500	\$84,000
5	Site Work	July 1, 2021	October 1, 2021	\$7,700	\$5,000	\$0	\$7,600	\$20,300
6	Fencing	July 1, 2021	October 1, 2021	\$2,000	\$5,000	\$0	\$10,000	\$17,000
7	Public Education	July 1, 2021	October 1, 2021	\$0	\$0	\$11,250	\$0	\$11,250
8	Design and Construction	July 1, 2021	October 1, 2021	\$16,100	\$0	\$14,500	\$16,000	\$46,600
<b>Total</b>				<b>\$85,000</b>	<b>\$35,000</b>	<b>\$25,750</b>	<b>\$95,000</b>	<b>\$240,750</b>

Schedule is dependent on weather and spring runoff. Work planned after spring runoff.

Approximate material cost assumed to be 75% of total costs which are based on engineer's estimate unit costs.

Total CWCB funding requests includes \$10,000 from WSRF Basin Request, \$85,000 from WSRF Statewide Request, and \$85,000 from Watershed Restoration Funding

**Additional Funding Breakdown**

Match	
<b>City Cash</b>	<b>\$35,000</b>
In Kind Match River Commission*	\$5,000
In Kind Match - Signs	\$11,250
Wright Water In Kind	\$7,500
Ramboll In Kind	\$1,000
Chinook In Kind	\$1,000
<b>In Kind Subtotal</b>	<b>\$25,750</b>
<b>Subtotal</b>	<b>\$60,750</b>
Grants	
CWCB WSRF Basin Request*	\$10,000
CWCB WSRF Statewide Request*	\$85,000
<b>Subtotal</b>	<b>\$95,000</b>
CWCB Watershed Restoration	\$85,000
<b>CWCB Funding Subtotal</b>	<b>\$180,000</b>
<b>Total Project Budget</b>	<b>\$240,750</b>
Check	
Maximum CWCB Funding Total (75% of Total)	\$180,563
Total CWCB Funding	\$180,000

\*Will support volunteer planting, monitoring and adaptive management.

\*Will provide and install educational signage.

\*Will provide support during final design, construction, monitoring, and adaptive management.

\*Will provide support during construction and adaptive management.

\*Will provide support for sign development and during construction.

\*Has been approved by Next Steps Committee and should received Rountable Authorization on November 23.

\*Will be requested by December 1st deadline.

***THE COLORADO BASIN ROUNDTABLE***  
***C/O P.O. BOX 1120***  
***GLENWOOD SPRINGS, COLORADO 81602***

November 25, 2020

Ben Wade  
Colorado Water Conservation Board  
1313 Sherman Street, Room 721  
Denver, CO 80203

RE: Support for the City of Glenwood Springs' Three Mile Creek Shoreline Restoration Project

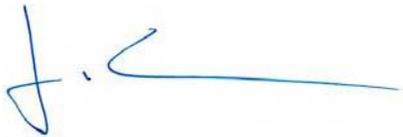
Dear Ben,

The Colorado Basin Roundtable voted unanimously at its November 23<sup>rd</sup> meeting to grant the City of Glenwood Springs' WSRF Basin Account Grant request in the amount of \$10,000. The roundtable also supports the City's request for \$85,000 in Watershed Restoration Program funding.

This project includes riparian restoration at the Three Mile Creek confluence area with the Roaring Fork River to address shoreline erosion, restore water quality for aquatic habitats, remove invasive species, and improve stormwater management. The Roundtable supports the Three Mile Creek Shoreline Restoration project, because the area is currently severely degraded and debris-ridden from heavy use. The proposed restoration of this popular outdoor space will accommodate both human users and advance a multi-jurisdictional ecological partnership to protect fish and wildlife both of which are critical to our region's tourism economy. The Project furthers the Roundtable's stated objective in its Basin Implementation Plan of protecting and restoring healthy streams, rivers, lakes, and riparian areas.

We are pleased to support the City of Glenwood Springs as they seek funding to enhance and restore aquatic and terrestrial habitats through the Three Mile Creek Shoreline Restoration project.

Regards,

A handwritten signature in blue ink, appearing to read 'J. Turner', with a long horizontal line extending to the right.

Jason V. Turner, Chair



November 11, 2020

Colorado Water Conservation Board  
Water Supply Planning Section  
WSRF Application  
1313 Sherman Street, Room 718  
Denver, CO 80203

RE: Strong Support for the City of Glenwood Springs' Three Mile Creek Shoreline Restoration Project

Dear Mr. Stein and Mr. Wade,

On behalf of the City of Glenwood Springs River Commission, I write to convey our full support for the City of Glenwood Springs' Water Supply Reserve Fund grant application for the Three Mile Creek Shoreline Restoration project. This project includes riparian restoration at the Three Mile Creek Confluence area with the Roaring Fork River to address shoreline erosion, restore water quality for aquatic habitats, remove invasive species, and improve stormwater management.

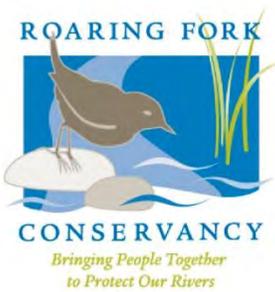
The River Commission supports the Three Mile Creek Shoreline Restoration project, because we consult with the City's Council on all matters related to riparian and aquatic health. In fact, we initiated this very project in order to protect and even improve upon the existing riparian and aquatic habitat as the area is severely degraded and debris-ridden from heavy use. ; it will advance a multi-jurisdictional ecological partnership to protect fish and wildlife; it will accommodate both human users and the ecological needs of a popular outdoors space;; it will help reverse the depletion of terrestrial wildlife habitat and corridors of movement; protecting fish and wildlife is critical to our region's tourism economy; we understand the value of ecosystem services that are threatened by overuse of natural areas].

The River Commission has given at least 100 volunteers hours of professional expertise from our engineers, water attorney, soil scientist, and angling guides to the project to date and will continue to do so through its completion. Additionally, we volunteer annually for community shoreline cleanups, invasive species removal and riparian plantings, and outreach related thereto.

We are pleased to support the City of Glenwood Springs as they seek funding to enhance and restore aquatic and terrestrial habitats through the Three Mile Creek Shoreline Restoration project.

Sincerely,

Ashley Moffatt, P.E.  
Chairman



November 11, 2020

Colorado Water Conservation Board  
Water Supply Planning Section WSRF Application  
1313 Sherman Street, Room 718  
Denver, CO 80203

BOARD OF DIRECTORS

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Outreach*  
Megan Dean  
*Education Director*  
Chad Rudow  
*Water Quality Program  
Manager*  
Sheryl Sabandal  
*Development Director*  
Elliott Audette  
*Business Manager*

RE: Support for the City of Glenwood Springs' Threemile Creek Shoreline Restoration Project

Dear Mr. Stein and Mr. Wade,

Roaring Fork Conservancy (RFC), wishes to express strong support for the City of Glenwood Springs' Water Supply Reserve Fund grant application for the Threemile Creek Shoreline Restoration project. This project includes riparian restoration at the Threemile Creek confluence area with the Roaring Fork River to address erosion, restore riparian vegetation, remove invasive species, and mitigate heavy user impacts.

RFC, the watershed organization for the Roaring Fork Valley, has actively worked with the City of Glenwood Springs in recent years to improve and protect riparian habitat within city limits. Currently, riparian areas around the Threemile Creek confluence are severely degraded through a combination of heavy use, erosion, and a lack of healthy riparian vegetation. In addition, Threemile Creek is noted by Colorado Parks and Wildlife as an important trout spawning area and protected by fishing closures during spawning seasons. These factors combined represent a significant restoration opportunity, which would help focus appropriate recreational use while substantially improving riparian habitat and reducing erosion. These benefits would generate a ripple effect improving water quality, aquatic habitat, and overall stream health.

RFC served as a stakeholder and technical advisor throughout the development of this project, and will continue to support project implementation by providing technical assistance and expertise as well as participating in related outreach and education.

We are pleased to support the City of Glenwood Springs as they seek funding to enhance and restore aquatic and riparian habitats through the Threemile Creek Shoreline Restoration project.

Sincerely,

Rick Lofaro  
Executive Director

Since 1996, Roaring Fork Conservancy has inspired people to explore, value and protect the Roaring Fork Watershed. We bring people together to protect our rivers and work hard to keep water in local streams, monitor water quality, and preserve riparian habitat.





Pitkin County Healthy Rivers  
530 East Main Street Suite 301  
Aspen Colorado 81611  
970 920 5191  
pitkincountyrivers.com

November 11, 2020

Colorado Water Conservation Board  
Water Supply Planning Section  
WSRF Application  
1313 Sherman Street, Room 718  
Denver, CO 80203

RE: Strong Support for the City of Glenwood Springs' Three Mile Creek Shoreline Restoration Project

Dear Mr. Stein and Mr. Wade,

On behalf of Pitkin County's Healthy Rivers Program and Board, I write to convey our full support for the City of Glenwood Springs' Water Supply Reserve Fund grant application for the Three Mile Creek Shoreline Restoration project. This project includes riparian restoration at the Three Mile Creek Confluence area with the Roaring Fork River to address shoreline erosion, restore water quality for aquatic habitats, remove invasive species, and improve stormwater management.

In 2008, Pitkin County voters authorized a dedicated sales tax to establish a healthy rivers and streams fund. The River Board assists the Commissioners in administering the fund program and in furthering the objectives of the program. Objectives for the fund include maintaining and improving water quality and quantity within the Roaring Fork Watershed as well as working with other entities to ensure ecological health, recreational opportunities, and wildlife and riparian habitat.

Over the past two years, the River Board has recommended to the Board of County Commissioners grant awards totaling \$55,000 to the City of Glenwood Springs' Three Mile Creek Shoreline Restoration Project through our grant program.

The Three Mile Creek Shoreline Restoration project meets the goals and mission of our Program as it will improve a severely degraded and debris-ridden area on the river, it joins multi-jurisdictional ecological partnership to protect fish and wildlife and accommodates both human users and the ecological needs of a popular outdoor space.

We are pleased to support the City of Glenwood Springs as they seek funding to enhance and restore aquatic and terrestrial habitats through the Three Mile Creek Shoreline Restoration project.

Sincerely,

Lisa MacDonald  
Director



**COLORADO RIVER DISTRICT**  
PROTECTING WESTERN COLORADO WATER SINCE 1937

November 12, 2020

Colorado Water Conservation Board  
Water Supply Planning Section  
WSRF Application  
1313 Sherman Street, Room 718  
Denver, CO 80203

RE: Strong Support for the City of Glenwood Springs' Three Mile Creek Shoreline Restoration Project

Dear Mr. Stein and Mr. Wade,

On behalf of the Colorado River District, I write to convey our full support for the City of Glenwood Springs' Water Supply Reserve Fund grant application for the Three Mile Creek Shoreline Restoration project. This project includes riparian restoration at the Three Mile Creek Confluence area with the Roaring Fork River to address shoreline erosion, restore water quality for aquatic habitats, remove invasive species, and improve stormwater management.

The River District supports the Three Mile Creek Shoreline Restoration project, because the area is currently severely degraded and debris-ridden from heavy use. The proposed restoration of this popular outdoor space will accommodate both human users and advance a multi-jurisdictional ecological partnership to protect fish and wildlife both of which are critical to our region's tourism economy.

We are pleased to support the City of Glenwood Springs as they seek funding to enhance and restore aquatic and terrestrial habitats through the Three Mile Creek Shoreline Restoration project.

Sincerely,

Andrew A. Mueller, General Manager



11/05/2020

Chris Sturm  
Colorado Water Conservation Board  
1313 Sherman Street, Room 721  
Denver, CO 80203

RE: Strong Support for the City of Glenwood Springs' Three Mile Creek Shoreline Restoration Project

Dear Mr. Sturm,

On behalf of the Ferdinand Hayden Chapter of Trout Unlimited (FHTU), I write to convey our full support for the City of Glenwood Springs' Watershed Restoration Program grant application for the Three Mile Creek Shoreline Restoration project. This project includes riparian restoration at the Three Mile Creek Confluence area with the Roaring Fork River to address shoreline erosion, restore water quality for aquatic habitats, remove invasive species, and improve stormwater management.

FHTU supports the Three Mile Creek Shoreline Restoration project because it is one of the most heavily used (and abused) sections of riparian habitat in the Roaring Fork Watershed. This is a great place for wading anglers, boaters to catch their breath after Cemetery Rapid, and for valley residents and visitors to enjoy the natural beauty of where we call home. In addition to its recreational value, ecologically the confluence of Three Mile Creek and the Roaring Fork River is vital spawning habitat for local fish and any improvements will surely help the vitality of our local ecosystems.

FHTU commits to helping in any way that we can. This means trying to provide volunteers for any on the ground activities such as assisting with restoration, stream clean ups, community outreach etc. We would also provide \$425 in cash donation to further help get this project off the ground.

We are pleased to support the City of Glenwood Springs as they seek funding to enhance and restore aquatic and terrestrial habitats through the Three Mile Creek Shoreline Restoration project.

Sincerely,

Matt Kelsic, FHTU President



# COLORADO

## Parks and Wildlife

Department of Natural Resources

Glenwood Springs Area Wildlife Office  
88 Wildlife Way  
Glenwood Springs, CO 81601  
P 970.947.2920 | F 970.947.2936

November 4, 2020

Chris Sturm  
Colorado Water Conservation Board  
1313 Sherman Street, Room 721  
Denver, CO 80203

RE: City of Glenwood Springs' Threemile Creek Shoreline Restoration Project

Dear Mr. Sturm,

Colorado Parks and Wildlife (CPW) is writing in support of the City of Glenwood Springs' Threemile Creek Shoreline Restoration project. Glenwood Springs is proposing a shoreline restoration project along the confluence of Threemile Creek and the Roaring Fork River to restore riparian habitat, address shoreline erosion, restore water quality for aquatic habitats, remove invasive species, and improve stormwater management. The project goals strongly align with CPW's statutory mission to perpetuate the wildlife resources of the State, to provide a quality State parks system, and to provide enjoyable and sustainable outdoor recreation opportunities that educate and inspire current and future generations to serve as strategic stewards of Colorado's natural resources.

Threemile Creek and the confluence with the Roaring Fork River is an ecologically important area utilized by local fishes and terrestrial wildlife. Aggregations of native suckers are often observed in the river around the confluence with Threemile Creek. Trout from the river have been documented utilizing the creek to spawn – thus, providing critical recruitment to the Gold Medal fishery in the Roaring Fork River. Riparian habitats further support a multitude of terrestrial wildlife species including a wide variety of birds, game, and small mammals. The project intends to bring awareness to these resource values and proposes thoughtful development that reduces user impacts and accommodates the needs of the local fishery resource.

Furthermore, the Threemile Creek confluence is currently a popular location for river users and local residents to connect with the Roaring Fork River. However, this relatively primitive area is severely degraded by increasingly heavy use. Glenwood Springs' proposed restoration project takes an approach that balances user demands on the area with the desire to support the ecological functions and natural feel of this streamside area. Thus, it will provide an example of thoughtful development to inspire stewardship of resources while meeting needs of the community and resource users.

Local CPW Staff have served as resource advisors for this project and we look forward to our continued involvement in project development around Threemile Creek that balances community needs and while providing meaningful protections to the important ecological functions inherent to the area. We support the City of Glenwood Springs as they seek funding to enhance and restore aquatic and terrestrial habitats through the Threemile Creek Shoreline Restoration project. If there are any questions or needs for additional information, please contact Aquatic Biologist Kendall Bakich at 970.947.2924 or District Wildlife Manager Dan Cacho at 970.947.2934.

Sincerely,

Kendall Bakich, Aquatic Biologist

Cc: Matt Yamashita, Area Wildlife Manager; Dan Cacho, District Wildlife Manager; Lori Martin, Senior Aquatic Biologist; File

