



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Last Updated: November 2018

Colorado Water Conservation Board

Water Plan Grant Application

Instructions

To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as "project") funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:

Water Storage Projects
Conservation, Land Use Planning
Engagement & Innovation Activities
Agricultural Projects
Environmental & Recreation
Projects

Anna.Mauss@state.co.us
Kevin.Reidy@state.co.us
Ben.Wade@state.co.us
Alexander.Funk@state.co.us
Chris.Sturm@state.co.us

FINAL SUBMISSION: Submit all application materials in one email to

waterplan.grants@state.co.us

in the original file formats [Application (word); Statement of Work (word); Budget/Schedule (excel)]. Please do not combine documents. In the subject line, please include the funding category and name of the project.

Water Project Summary

Name of Applicant	Trout Unlimited and Blue River Watershed Group	
Name of Water Project	Blue River Integrated Water Management Plan (BR-IWMP)	
CWP Grant Request Amount		\$ 16,000.00
Other Funding Sources <u>CWP Environment/Rec.</u>		\$ 30,000.00
Other Funding Sources <u>WSRF (Basin Funds)</u>		\$ 17,110.00
Other Funding Sources <u>Stream Restoration -SMP</u>		\$ 126,819.00
Applicant Funding Contribution		\$ 63,710.00 (Cash=\$32,000.00, In-Kind=\$31,710.00)
Total Project Cost		\$ 253,639.00



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Applicant & Grantee Information
Name of Grantee(s) Trout Unlimited and Blue River Watershed Group (TU will act as fiscal agent).
Mailing Address 115 N. 5 th Street, Suite #409, Grand Junction, CO 81501
FEIN 38-1612715
Organization Contact Richard Van Gytenbeek
Position/Title Colorado River Basin Outreach Coordinator
Email r.vangytenbeek@tu.org
Phone 307-690-1267
Grant Management Contact Dan Omasta
Position/Title Colorado Trout Unlimited Grassroots Coordinator
Email DOmasta@tu.org
Phone 720-354-2647
Name of Applicant (if different than grantee)
Mailing Address
Position/Title
Email
Phone
Description of Grantee/Applicant
Provide a brief description of the grantee's organization (100 words or less).
<p><u>Grantee/Applicant Description</u></p> <p>Trout Unlimited is the nation's largest cold-water conservation organization, with 250,000 members dedicated to conserving, protecting, and restoring North America's trout and salmon fisheries and their watersheds.</p> <p>TU will be working closely with the Blue River Watershed Group (BRWG) board and staff throughout the project. The BRWG was formed in 2004 and received its 501(c) (3) status from the IRS on September 8, 2005. BRWG is managed by a volunteer board of directors who have expertise in various fields related to water, land use and environmental stewardship and represent a number of vital stakeholders.</p>



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Type of Eligible Entity (check one)	
	Public (Government): 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.
	Public (Districts): Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises.
	Private Incorporated: Mutual ditch companies, homeowners associations, corporations.
	Private Individuals, Partnerships, and Sole Proprietors: Private parties may be eligible for funding.
XX	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes .

Type of Water Project (check all that apply)	
XX	Study
	Construction
	Identified Projects and Processes (IPP)
	Other

Category of Water Project (check the primary category that applies and include relevant tasks)		
	Water Storage - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.. <i>Applicable Exhibit A Task(s):</i>	
	Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. <i>Applicable Exhibit A Task(s):</i>	
XX	Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website. <i>Applicable Exhibit A Task(s):</i>	
	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. <i>Applicable Exhibit A Task(s):</i>	
	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s):</i>	
	Other	Explain:

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Location of Water Project	
Please provide the general county and coordinates of the proposed project below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Countries	Summit County and parts of Grand County, Colorado.
Latitude	39.48250 North
Longitude	-106.0444 West (Summit Co. Courthouse in Breckenridge).

Water Project Overview
<p>Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. 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, and area of habitat improvements, where applicable. 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, Other Funding Sources/Amounts and Schedule.</p>
<p><u>Project Overview.</u></p> <p>Trout Unlimited (TU) and the Blue River Watershed Group (BRWG) are working together to produce a basin-wide integrated water management plan (IWMP) for the Blue River basin in Summit and Grand Counties in Colorado. The long-term goal of the IWMP will be to enable consumptive and non-consumptive water users to understand and quantify current and future use and integrate those uses for the maximum benefit of all users while protecting the existing water resource.</p> <p>The initial scope of work for this grant request (IWMP-Phase One) has two primary objectives to be completed through four main tasks. The two objectives are to: 1) work in parallel with the Blue River Enhancement Workgroup (BREW) to understand the reasons for the declining Blue River trout fishery; and 2) compile current research, management plans, and stakeholder input to inform the IWMP-Phase Two. Tasks include: 1) the formulation of an advisory team along with broad stakeholder outreach; 2) determination of the causes for the declining fishery between Dillon and Green Mountain Reservoirs; 3) compilation and analysis of existing data-information-studies; and 4) the development of “next steps” focusing on the formulation of IWMP-Phase Two implementation goals and objectives.</p>



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Measurable Results		
To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:		
	New Storage Created (acre-feet)	
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Non-consumptive	
	Existing Storage Preserved or Enhanced (acre-feet)	
102600 LF (approx..19 miles)	Length of Stream Restored or Protected (linear feet) (specifically to restore Gold Medal status of Blue River from Silverthorne to Green Mountain Reservoir)	
15,840 LF (approx.. 3 mi.)	Length of Blue River from Silverthorne to base of Dillon Dam that will have the ancillary benefits of the restoration of Gold Medal status.	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
	Quantity of Water Shared through Alternative Transfer Mechanisms	
	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning	
	Number of Coloradans Impacted by Engagement Activity	
	Other	Explain:

Water Project Justification
Provide a description of how this water project supports the goals of Colorado's Water Plan , the most recent Statewide Water Supply Initiative , and the applicable Roundtable Basin Implementation Plan and Education Action Plan . 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).
The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)



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Water Project Justification

The Blue River Integrated Water Management Plan supports the goals of the:

Colorado Water Plan.

Goal A. Supply Demand Gap (CWP, Chap. 10, Sec. 10.3, pg. 10.9).

The BRIWMP effort proposes a grassroots approach to engage the local community in an integrated water management plan through the formation of a stakeholder group, advisory committee, public meeting process, earned media outreach and a summary report that defines the BRIWMP future goals, objectives, identified water projects and innovative management techniques that will comprise the BRIWMP-Phase 2.

Goal B. Conservation (CWP, Chap. 10, Sec. 10.3, pg. 10.9).

The BRIWMP will increase awareness of the finite water supplies in the Blue River basin. This awareness should result in an increased awareness and commitment of the local and Front Range communities dependent on these supplies to increase conservation and efficiency of municipal water supplies.

Goal D. Agriculture (CWP, Chap. 10, Sec. 10.3, pg. 10.10).

The BRIWMP currently counts the Friends of the Lower Blue River (FOLBR) as one of our stakeholders. As the voice for many agricultural producers in the lower Blue River, FOLBR will be supporting the BRIWMP to assess and identify opportunities to upgrade diversion structures, turn-outs and ditches to maximize water application efficiency and to understand return flows, the timing and its relation to the Blue River. This information will help identify projects in Phase 2 that will help producers to improve yield and protect these important pre-compact water rights in the Colorado River basin.

Goal E. Storage (CWP, Chap. 10, Sec. 10.3, pg. 10.11).

Through the literature search, review and assessment (Task #3), the BRIWMP will assist in reviewing and assessing ongoing water development in the upper Blue River basin by making important data sets and information available to all parties involved in local or trans-basin water development.

Goal F. Watershed Health, Environment and Recreation (CWP, Chap. 10, Sec. 10.3, pg. 10.12).

Because the economy of Summit County and the local municipalities are dependent on a sustainably healthy watershed and environment which in turn supports a robust recreation industry, this goal is central to the BRIWMP. Objective #1 provides funding to an ongoing



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effort initiated by the Blue Rive Enhancement Workgroup (BREW) to study and address the declining fishery in the Blue River between Dillon and Green Mountain reservoirs. Objective #2, through an environmentally focused literature search, review and assessment is intended to identify important goals, objectives, projects and management techniques that the local community can begin to employ to protect and enhance their healthy watershed and environment to be addressed in Phase 2.

Goal H. Education (CWP, Chap. 10, Sec. 10.3, pg. 10.13).

Outreach and Innovation-The BRIWMP is largely a community driven plan. It involves the engagement of stakeholders, the creation of a stakeholder advisory committee, community input meetings and incorporation of the results into a final document that identifies goals, objectives, projects and management techniques to be employed in Phase 2.

SWSI 2010.

Recommendation 1. ‘Actively encourage projects to address multiple purposes, including municipal, industrial, environmental, recreational, agricultural, risk management, and compact compliance needs (SWSI 2010, Executive Summary, pg. 40).’

Given the highly appropriated condition of the basin, new projects must be multi-use. The BRIWMP is intended to encourage the Blue River basin community to respect existing water rights while seeking a mutually beneficial relationship between consumptive and non-consumptive uses. This effort will also focus on identifying innovative management techniques that benefit multiple uses such as re-timing releases of water and working to reduce impacts of consumptive uses on the environment.

Recommendation #5. “Support meeting Colorado’s non-consumptive water needs by working with Colorado’s water stakeholders to help:

- ***Promote recovery and sustainability of endangered, threatened, and imperiled species in a manner that allows the state to fully use its compact and decreed entitlements.***
- ***Protect or enhance environmental and recreational values that benefit local and statewide economies.***
- ***Encourage multi-purpose projects that benefit both water users and native species.***
- ***Pursue projects and other strategies, including CWCB’s Instream Flow Program, that benefit consumptive water users, the riparian and aquatic environments, and stream recreation.***
- ***Recognize the importance of environmental and recreational benefits derived from agricultural water use, storage reservoirs, and other consumptive water uses and water management (SWSI 2010, Executive Summary, pg. 41).’***



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Task#2 of the BRIWMP seeks to understand and mitigate if possible the declining trout fishery in the Blue River between Dillon and Green Mt. reservoirs without impact to existing water rights. In concert with Task #3 the project is intended to protect and enhance the environmental and recreational values that benefit locals and visitors to this basin. Task #4 of the IWMP is intended to identify multi-use goals, objectives, projects and innovative water management techniques that benefit both water users and native (and endemic) species through strategies such as re-timed reservoir releases, improved conservation techniques, upgraded agricultural irrigation infrastructure, etc.

Recommendation #12. “Continue the evaluation of Colorado's water supply availability in all basins to help provide water users with viable analysis tools (SWSI 2010, Executive Summary, pg. 41).”

One of the key outcomes from the BRIWMP Task #3, is to identify (through a literature search) information on water supply availability in the basin. By reviewing and assessing this information (Task #4), the basin wide community will be provided with information on current use, the availability of additional supply, impacts of future water development and options for multiple use.

Colorado Basin Roundtable-Basin Implementation Plan.

Theme #1. “Protect and Restore Healthy Streams, Rivers, Lakes and Riparian Areas (CBRT-BIP, Executive Summary, pg. 2).”

The BR-IWMP incorporates two distinct study efforts that will enable and inform water management planning in the basin. They are: an 18 month study to determine the reasons for and recommendations to address the declining fishery between Dillon and Green Mt. reservoirs and an environmentally based literature search, review and assessment of biological/physical studies, water rights and other water related topics. Both study efforts are structured to protect and to the greatest extent possible, improve existing water resource conditions by increasing the level of empirically based information that will guide future water management decisions in the basin.

Theme #2. “Sustain Agriculture (CBRT-BIP, Executive Summary, pg. 2).”

Irrigated cattle ranches still exist in the Blue River basin. Summit County and groups like Friends of the Lower Blue have proactively supported them through various means. A key component of Task #3 is structured to offer the opportunity to inventory and subsequently upgrade aging infrastructure and to understand the relationship between flood irrigation and return flow in order to maximize yield and if possible, increase benefit to adjacent creeks and the Blue River. This is key to sustaining these ranches and protecting their pre-compact water rights.



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Theme #3. “Secure, Safe Drinking Water ((CBRT-BIP, Executive Summary, pg. 3).”

Water quality and quantity studies abound for the Blue River basin. However, they exist as solitary works with little integration. Task #3 and #4 will provide both trans-basin diverters and local municipalities with a coordinated summary of current demand on the Blue River. In addition, Tasks #3 and #4 will compile existing water related literature to inform efforts to mitigate the effects of mining on water quality and to further inform the future use of this limited resource.

Theme #4. “Develop Local Water Conscious Land Use Strategies (CBRT-BIP, Executive Summary, pg. 3).”

The literature compilation, review and recommendations that emerge from Task #3 and #4 studies in the Snake, Swan, Blue and Tenmile sub-basins (and others as they are available) will provide a better picture of water supply, current use and potential future supply. This information will enable the Blue River community to employ water conscious land planning and water rate structures to define future growth and conservation strategies while maintaining adequate flows in streams and rivers.

Theme #5. “Assure Dependable Basin Administration (CBRT-BIP, Executive Summary, pg. 3).”

Gaining a better understanding of basin supply and its relation to existing use and future growth will help to assure that downstream rights are fulfilled and the importance of conservation in sustaining the environment.

Related Studies

Please provide a list of any related studies, including if the water project is complementary to or assists in the implementation of other CWCB programs.

Colorado Basin Roundtable IWMP. The BRIWMP follows the recommended CBRT-IWMP structure and utilizes the interactive GIS mapping tools, literature library and community engagement protocol.

Eagle River and Middle Colorado IWMPs. The BRIWMP compliments the on-going Eagle River and Middle Colorado IWMPs as another Colorado River sub-basin that is in the process of completing the first phases of water management planning.

Colorado Basin Roundtable Legacy Project. The CBRT Legacy Project created the CBRT-IWMP in an effort to encourage all the Colorado River sub-basins to adopt integrated water management planning as part of their future water resource management tools. By doing so it was the intent of the Roundtable to also be able to better assess and interpret each basin individually but also the interrelationships among the sub-basins that make up the Colorado River main-stem. Funding this project will leave only the Roaring Fork and Grand Valley to complete IWMPs in the Colorado River.



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Previous CWCB Grants, Loans or Other Funding

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; 6) Percentage of other CWCB funding for your overall project.

Applicant Name: Trout Unlimited.

Water Activity Name: Ware and Hinds Fish Passage in Colorado Basin.

Approving Roundtable: Colorado Basin Roundtable.

Date of Approval: CWCB-September 21, 2016, CBRT-May 23, 2016, (Notice to Proceed 2/14/17).

PO Number: POGGI PDAA 201700000749

Percentage Additional CWCB Funding: None. Additional funding came from CPW, CPW-Fishing is Fun and privately donated funds.

Taxpayer Bill of Rights

The Taxpayer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect your application.

No Tabor issues will affect this application.



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Submittal Checklist	
xx	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract .
Exhibit A	
xx	Statement of Work ⁽¹⁾
xx	Budget & Schedule ⁽¹⁾
xx	Engineer's statement of probable cost (projects over \$100,000)
xx	Letters of Matching and/or Pending 3 rd Party Commitments ⁽¹⁾
Exhibit C	
xx	Map (if applicable) ⁽¹⁾
	Photos/Drawings/Reports
xx	Letters of Support (Optional)
xx	Certificate of Insurance (General, Auto, & Workers' Comp.) ⁽²⁾
xx	Certificate of Good Standing with Colorado Secretary of State ⁽²⁾
xx	W-9 ⁽²⁾
	Independent Contractor Form ⁽²⁾ (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
	Engagement & Innovation Supplemental Application ⁽¹⁾

(1) Required with application.

(2) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.

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ENGAGEMENT & INNOVATION GRANT FUND SUPPLEMENTAL APPLICATION

Introduction & Purpose

Colorado's Water Plan calls for an outreach, education, public engagement, and innovation grant fund in Chapter 9.5.

The overall goal of the Engagement & Innovation Grant Fund is to enhance Colorado's water communication, outreach, education, and public engagement efforts; advance Colorado's water supply planning process; and support a statewide water innovation ecosystem.

The grant fund aims to engage the public to promote well-informed community discourse regarding balanced water solutions statewide. The grant fund aims to support water innovation in Colorado. The grant fund prioritizes measuring and evaluating the success of programs, projects, and initiatives. The grant fund prioritizes efforts designed using research, data, and best practices. The grant fund prioritizes a commitment to collaboration and community engagement. The grant fund will support local and statewide efforts.

The grant fund is divided into two tracks: engagement and innovation. The Engagement Track supports education, outreach, communication, and public participation efforts related to water. The Innovation Track supports efforts that advance the water innovation ecosystem in Colorado.

Application Questions

*The grant fund request is referred to as "project" in this application.

Overview (answer for both tracks)
In a few sentences, what is the overall goal of this project? How does it achieve the stated purpose of this grant fund (above)?
<p><u>Overall Goal.</u></p> <p>The overall goal of this project is to initiate an Integrated Water Management Plan (IWMP) in the Blue River basin in Colorado. The IWMP process brings consumptive and non-consumptive water users together to develop goals, objective, projects and innovative management techniques that benefit both forms of water use. To accomplish this process, community engagement and participation is an essential and fundamental component of the IWMP process. The success of the IWMP process depends on a community's commitment to collaboration.</p>
Who is/are the target audience(s)? How will you reach them? How will you involve the community?
<p><u>Target Audience.</u></p> <p>Ideally, the target audience are all the consumptive and non-consumptive water users in the Blue River basin. Since mid-summer 2018 the project sponsors have been contacting and enlisting the support of a stakeholder group. These stakeholders represent both the consumptive (such as: Denver Water, C. Springs Utilities, Summit Co. municipalities/water districts, AG, etc.) and non-consumptive (Summit Co. Parks/Open space, state/federal agencies, fishing shops, guides, outdoor retailers, etc.) water users. By March 2019 the project sponsors will have contacted most all water users through the stakeholder engagement phase and will be prepared to make our initial community outreach through a series of community meetings.</p>



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Overview (answer for both tracks)
<p>Describe how the project is collaborative or engages a diverse group of stakeholders. Who are the partners in the project? Do you have other funding partners or sources?</p>
<p><u>Collaborative Engagement.</u></p> <p>The project sponsors will invite all identified stakeholders to designate a representative to participate in an Advisory Committee. This diverse committee will meet a minimum of 6 times during the 18 month grant period (once every 3 months or so). They will be responsible for assimilating input from public meetings and project consultant reports (Task 2 and Task 3) and translating that information into a final Phase 1 report that identifies the goals, objectives, real-time projects and innovative water management techniques that will inform and guide the future Phase 2 of the IWMP.</p> <p><u>Funding Sources.</u></p> <p>We have a core group of cash funders (Town of Silverthorne, Blue Valley Ranch, Summit Water Quality Committee and Summit Co.) that are providing 12.5% of the grant cost. Trout Unlimited and Blue River Watershed Group are providing staff time to manage the project at a value equal to 12.5% of the grant. Various other CWCB grants (62% of the grant cost) and Colorado Basin Roundtable-WSRF grants (7% of the grant cost) comprise the largest share of grant costs. The requested funds from the CWP grant funds in the Engagement and Innovation category comprise 6% of total grant funding.</p>
<p>Describe how you plan to measure and evaluate the success and impact of the project?</p>
<p><u>Measures of Success.</u></p> <p>The project sponsors are focused on two measures of success.</p> <p>First is the final Phase 1 report that identifies goals, objectives, projects and management techniques for Phase 2. It will be judged on how comprehensively it identifies these components and whether the components continue to engage the community as an ongoing community driven water management plan.</p> <p>Second, whether the community at large continues to be excited and engaged in the execution of Phase 2. The project sponsors have met with representatives of River Network, Cross Watershed Network and Lotic Hydrologic in a training session to discuss how to engage and maintain contact with the diverse community that lives in Summit County. We will be meeting in February to discuss “branding” our effort and how we will use local media outlets to provide consistent contact with the community.</p>
<p>What research, evidence, and data support your project?</p>
<p><u>Supporting Data and Research.</u></p> <p>The Blue River IWMP has two objectives that evolved from our stakeholder group input.</p>

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Overview (answer for both tracks)
<ol style="list-style-type: none"> 1) Work in parallel with the Blue River Enhancement Workgroup (BREW) to understand the reasons for the declining Blue River trout fishery; 2) Compile current research, management plans, and stakeholder input to inform the IWMP-Phase Two. <p>The first objective became a community wide issue when Colorado Parks and Wildlife removed their Gold Medal status from most of the Blue River between Silverthorne and Green Mountain reservoirs. As a recreationally based economy the declining fishery has directly and indirectly impacted businesses and individuals. The Blue River Enhancement Workgroup was formed to study, assess and make recommendations on recovering the fishery. They have initiated the collection of data to address the issue. The project sponsors have been meeting with BREW members and are fleshing out a plan to expand and continue the data collection and research effort to understand the reasons for the declining fishery.</p> <p>The second objective became apparent through the project sponsors initial assessment of the Colorado Basin Roundtable-IWMP Blue River basin study and research database (this database is a collection of environmentally focused studies and research arranged by basin and housed at the Hutchins Water Center at Colorado Mesa University). This assessment indicated a voluminous amount of information on water quantity, quality, fisheries, aquatic studies, etc. which had never been assimilated into a cohesive, comprehensive environmental assessment. This observation was confirmed by all of our stakeholders. The stakeholders agreed that bringing this information together would be a valuable product as it would provide the empirical foundation for an ongoing IWMP in the Blue River basin.</p>
Describe potential short- and long-term challenges with this project.
<p><u>Project Challenges.</u></p> <p>Project challenges, both short and long term, are integral to how we will measure the success of the project. As mentioned, community engagement (Phase 1 and 2) is crucial to the success of the project. The plan for that engagement process has been described but the project team understands that our plan must remain flexible to be successful. Throughout the process we will focus on components that are working and will not hesitate to discard or modify outreach components that are not working.</p> <p>Continuing to engage the community in Phase 2 and beyond will be a challenge. As discussed, the hope is to create Phase 2 goals, objectives, projects and management techniques that engage and invest the community. We are keenly aware, however, that most efforts lose their initial momentum and often stall because initial proponents are no longer funded. For this reason, the Blue River Watershed Group is exploring the option of officially adopting the IWMP as a permanent and on-going component of their mission. This would enable the IWMP to become an established and ongoing program within the community.</p>

Please fill out the applicable questions for either the Engagement Track or Innovation Track, unless your project contains elements in both tracks. If a question does not relate to your project, just leave it blank. Please answer each question that relates to your project. Please reference the



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relevant documents and use chapters and page numbers (Colorado's Water Plan, Basin Implementation Plan, PEPO Education Action Plan, etc.).

Engagement Track

Describe how the project achieves the education, outreach, and public engagement measurable objective set forth in Colorado's Water Plan to "significantly improve the level of public awareness and engagement regarding water issues statewide by 2020, as determined by water awareness surveys."

"Colorado's Water Plan will expand outreach and education efforts that engage the public to promote well-informed community discourse and decision making regarding balanced water solutions (CWP, Chap. 10.2, pg. 10-7)"

This is the core purpose of the Blue River IWMP. Phase 1 is intended to engage the Blue River basin community in understanding how water is being consumptively used, environmental challenges such as hard rock mining runoff, a declining fishery, etc. Further, it is intended to enable this better informed community to seek collaborative solutions to current and future water use challenges.

"This work will be collaborative and include state, local, and federal partners (CWP, Chap 10.2, pg. 10-7)."

Our effort to date has cast a wide net as evidenced by our current stakeholder list. We will continue to engage our state, local and federal partners over the coming months to keep them involved through the Advisory Committee and community outreach efforts.

Describe how the project achieves the other measurable objectives and critical goals and actions laid out in Colorado's Water Plan around the supply and demand gap; conservation; land use; agriculture; storage; watershed health, environment, and recreation; funding; and additional.

The following responses respond to: *CWP, Chapter 10.3-Critical Goals and Actions, pgs. 10-9 to 10-13.*

Supply/Demand Gap. The BRIWMP will help to inform the basin community about current basin and trans-basin water use and future demand. This information can then be compared with historic (and future) annual supply and storage estimates. The result will be an informed discussion which respects water rights and the needs of the environment.

Conservation. For the Blue River basin this effort will primarily focus on municipal conservation. The project will be working with High Country Conservation (HC3). HC3 partnered with 5 Summit County water providers (2017) to develop a regional water efficiency plan which addresses common themes and water saving opportunities.

Land Use. Complimentary to conservation, many of these municipalities are working to integrate water use and land planning. The IWMP will further enable informed discussion that hopefully will translate to innovative zoning and performance standards that enhance the conservation effort.



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Agriculture. Agriculture is still an important part of the Blue River community. This IWMP intends to work with willing producers on improvements to irrigation infrastructure and gaining a better understanding of flood irrigation return flows. Protecting these pre-compact water rights is important to the local basin and to Colorado's downstream water users.

Storage. While most large storage potential has been utilized in Dillon and Green Mountain Reservoirs there are still some options for small scale storage and water development. The IWMP will help to inform the community at large about these options and how they can be integrated into a basin wide water management plan.

Watershed Health, Environment and Recreation.

- 1) The IWMP will promote recovery of the declining trout fishery in the Blue River.
- 2) The basin is already dependent on a healthy environment that supports a large recreationally focused economy. The IWMP is intended to provide the tools to enable the community to maintain and protect that environment now and in the future.
- 3) The IWMP will assimilate the myriad studies that exist into one document that can be used as the foundation to protect the local environment. This can be done by incorporating study recommendations and filling gaps in empirical environmentally based knowledge about the basin.
- 4) The hard rock mining legacy of this basin has created and continues to create many water quality issues. The IWMP is intended to focus mitigation resources on best management practices as defined by the many water quality studies that exist.
- 5) The Blue River basin is a headwaters watershed. Protection of these areas is critical to all downstream users.

Funding. Phase 1 is intended to inform real-time projects and management techniques in Phase 2. By identifying real on the ground projects, communities tend to be more engaged and supportive thereby enabling the use of varied funds that might otherwise not be considered applicable.

Planning for the Future. The IWMP will help the Blue River community plan for the future.

Describe how the project achieves the education, outreach, and public engagement goals set forth in the applicable Basin Implementation Plan(s).

See next item on Colorado Basin Roundtable PEPO Education Action Plan.

Describe how the project achieves the basin roundtable's PEPO Education Action Plans.

Since 2016 the CBRT has focused their PEPO Education Action Plan on education and outreach efforts on Colorado's Water Plan and the Colorado Basin Implementation Plan (BIP). These efforts are intended to educate the public on the activities of the Basin Roundtable, regional and statewide water needs, and to encourage their input on how these needs should be met. The BRIWMP is specifically geared to accomplish these plans by incorporating the CBRT-IWMP on-line data bases and interactive tools, using local media outlets and social media to inform and engage local community on local water issues and to empower a citizen based plan that expresses how Blue River basin water needs should be met (*CBRT PEPO Education Action Plan 2016-17, pg. 1*).

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Innovation Track
Describe how the project enhances water innovation efforts and supports a water innovation ecosystem in Colorado.
Describe how the project engages/leverages Colorado's innovation community to help solve our state's water challenges.
Describe how the project helps advance or develop a solution to a water need identified through TAP-IN and other water innovation challenges. What is the problem/need/challenge?
Describe how this project impacts current or emerging trends; technologies; clusters, sectors, or groups in water innovation.



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Colorado Water Conservation Board

Water Plan Grant - Exhibit A

Statement Of Work

Date:	February 1, 2019
Name of Grantee:	Trout Unlimited and Blue River Watershed Group
Name of Water Project:	Blue River Integrated Water Management Plan
Funding Source:	CWP Grant-Engagement and Innovation Category

Water Project Overview:

Introduction and Background

The Blue River basin exhibits a variety of riverine ecosystems - from high mountain creeks to meandering river environments surrounded by irrigated grass-hay pasture. The streams and rivers of the basin further support an equally-varied number of non-consumptive uses (recreational and environmental) and consumptive uses (municipal, agricultural and industrial) including the municipal trans-basin diversions managed by Denver Water, Colorado Springs Utilities and the City of Golden. The health and maintenance of these water resources is vital to the dependent communities, the environment of the basin and as a headwater community to downstream water users. This is the first effort in the Blue River watershed to develop a comprehensive integrated water management plan which will be initiated with this grant request.

Trout Unlimited (TU) and the Blue River Watershed Group (BRWG) are working together to produce a basin-wide integrated water management plan (IWMP) for the Blue River basin in Summit and Grand Counties in Colorado. The long-term goal of the IWMP will be to enable consumptive and non-consumptive water users to understand and quantify current and future use and integrate those uses for the maximum benefit of all users while protecting the existing water resource. This grant request will fund the completion of Phase One of the IWMP and will focus on two primary objectives to be completed in four tasks. The results of Phase One are intended to inform the implementation phase (Phase Two) of the IWMP.

Combinations of existing ecosystems, large reservoirs and differing water use divide the basin into three distinct areas: the watershed above Dillon Reservoir; the Blue River (and tributaries) between Dillon Reservoir and Green Mt. Reservoir; and the Blue (and tributaries) from Green Mountain Reservoir to the Colorado River confluence. Accordingly, the IWMP project sponsors have divided the river into the following reaches or areas. This is done for organizational purposes and is sometimes referred to in this application. For instance, determining the reason for the declining fishery is focused on Reach 2 while the literature search, compilation and integration task is focused primarily on Reach 1. The reaches are further described as follows and indicated on (Map 2).

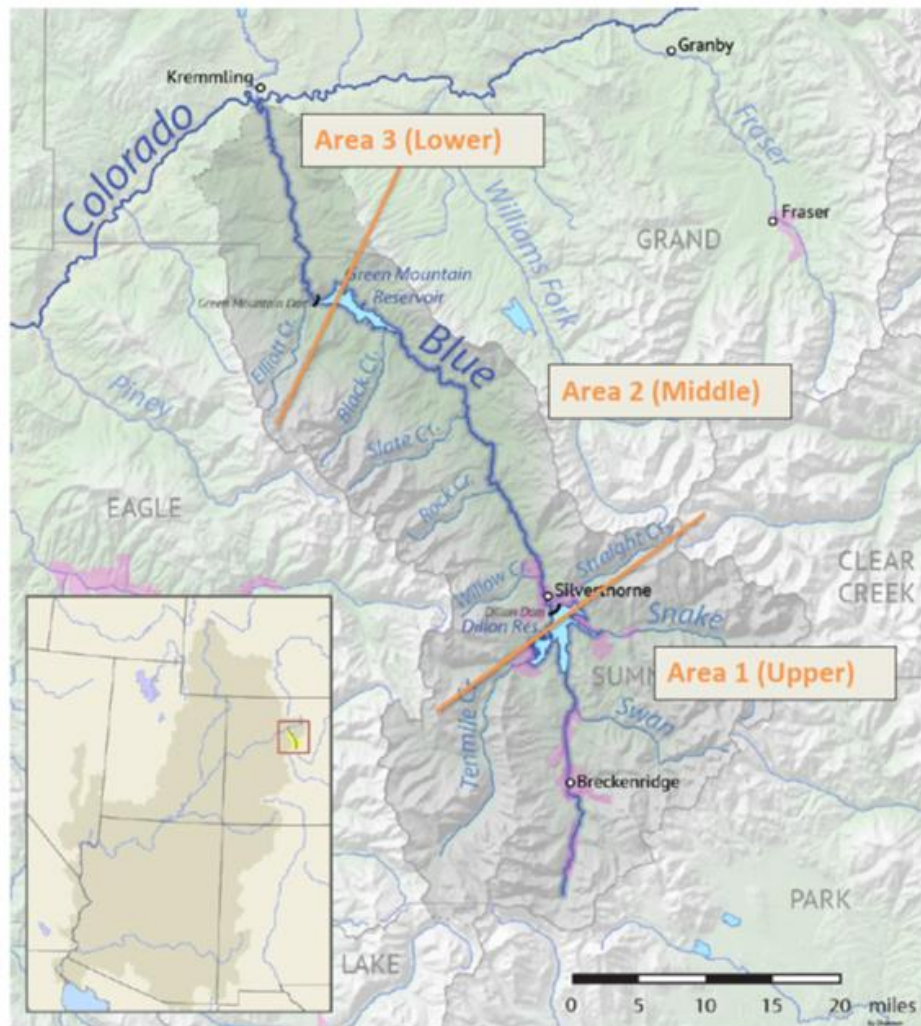
Reach 1: Upper Blue River above Dillon Reservoir (includes major drainages such as the Swan R., Snake R., Tenmile Cr., and the Blue R.).

Reach 2: Middle Blue River between Dillon Reservoir and Green Mountain Reservoir, includes the main-stem of the Blue River and numerous smaller order tributaries.



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Reach 3: Lower Blue River from Green Mountain Reservoir to the Colorado River Confluence.



(Map 2) Blue River Reach Designation



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Project Objectives:

Objective #1

The continuing decline in overall trout population abundance and size distribution in the Blue River main-stem between Dillon and Green Mountain reservoirs has resulted in the recent removal of Colorado Parks and Wildlife Gold Medal status. The Blue River Enhancement Workgroup (BREW) was formed to examine the situation, however, while the group has made strong advances in stakeholder engagement and initial data gathering, the cause of the fishery decline remains unknown. This middle reach of the Blue River provides one of the most important recreational assets in Summit County, including fishing, boating and other outdoor related opportunities for visitors and residents. The basin-wide community has placed a high priority on determining the cause(s) of the decline and returning the river to its once-productive condition - thereby returning to Gold Medal status.

To determine the cause of the fishery decline, the BREW has been working with Dr. William Lewis (Professor/Director, Center for Limnology, CU-Boulder) to define and study the biological and physical parameters of this reach of the river. Those parameters include: water temperature, relative abundance and distribution of aquatic invertebrates, type and distribution of periphytons (algae), morphological characteristics, channel armoring and historic flow regimes. In 2013, Dr. Lewis examined seven sites along this reach. However, this work, along with previous studies, have not provided conclusive data that would enable definitive conclusions about the changes occurring in this trout population. In order to understand these changes and discover potential mitigation measures, funding is needed to secure a multi-year study that systematically examines the identified parameters and integrates historic data.

Objective #2.

The upper Blue River basin (Reach 1) primarily consists of high altitude rivers and streams which exhibit similarities in terms of natural high altitude biological capacity. Conversely, the upper basin's streams and rivers have experienced differing historical human impacts (mining, development, dams, ski industry, etc.) which have manifested in a wide variety of existing water quality and quantity conditions. This is clearly demonstrated by the differing physical and biological conditions and flow regimes in the four sub-basins (Snake, Swan, Blue and Tenmile) that feed Dillon Reservoir. These conditions have been widely studied and quantified in each of these sub-basins as well as areas downstream of Dillon Reservoir. While this information is extensive and has often resulted in conclusions and recommendations, it has never been coalesced for the purpose of providing integrated water planning on an intra or inter-basin basis.

Accordingly, the primary goal for Objective #2 will be to conduct a water-focused literature inventory review, assess the inventory for completeness, and make recommendations to either fill voids in the inventory or move forward with identification of goals and objectives such as multi-use projects or innovative management techniques. This same review, assessment and identification process will be applied to the downstream areas (Reach 2 and 3) but on a less intensive basis. In addition to the literature and data review, this objective will also include a stakeholder-driven outreach component to the recreational and agricultural communities. Recreation is a major economic driver in Summit County. Non-consumptive uses such as fishing, boating and other water related activities are a core component providing business and employment opportunities for many basin residents. Conversely, consumptive recreational uses such as the ski and golf industries are also vital economic generators. It is important that both of these non-consumptive and consumptive

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recreational uses be accounted, understood and incorporated into the goals and objectives that will form the IWMP-Phase Two.

The agricultural community exists on the working irrigated ranches located downstream from Dillon Reservoir. Friends of the Lower Blue River (FOLBR), Summit County Open Space and Trails, Continental Divide Land Trust and private landowners have worked to preserve these ranching operations and the irrigated hay fields and grazing meadows through open space designations and other mechanisms. Pre-compact water rights typical of these ranches are key to their survival and important to the upper Colorado River basin. The fields are primarily flood irrigated and provide return flow to the Blue River. Maintaining irrigation infrastructure is important to preserving these rights and providing return flows to tributaries and the Blue River main-stem.

In order to protect irrigated agriculture in the valley, TU and BRWG will work with FOLBR and willing AG producers to inventory existing irrigation diversion structures and study return flows on ranches below Dillon. The objective will be to assess and identify opportunities to upgrade diversion structures, turn-outs and ditches to maximize water application efficiency, reduce labor and potentially improve production. To increase the understanding of return flow timing and its relation to the Blue River, the project will additionally provide, install and monitor piezometers in irrigated fields.

Tasks

Task 1: Stakeholder Outreach and Advisory Committee Development.

Description. Identify stakeholders and form an Advisory Committee to provide input and guidance on IWMP-Phase Two objectives and goals. The Advisory Committee will include representatives from the environmental community, water managers and municipalities, recreational community non-consumptive uses such as boating and angling, recreational community consumptive uses such as skiing and golf, the agricultural community, and local, State and Federal agencies. The stakeholder based Advisory Committee will guide and inform the identification of concerns and important issues, goals and objectives, analyses and studies, framework for long-term monitoring and the development of an community driven plan that will be carried forward in Phase Two.



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Tasks

Method. The BRWG and TU have initiated this process by identifying stakeholders and contacting key personal. A list of current stakeholder contacts is attached. Both groups are currently working with the River Network and the Cross-watershed Network to organize a “stakeholder outreach and planning training” that will further enhance the actions and results of Task 1.

When the stakeholder outreach and identification process is complete, each will be asked to participate as a member of the advisory committee and to assign a designee.

- 1) The Advisory Committee will meet (6) times during the grant period.
- 2) The first Advisory Committee meeting will be organizational. After this meeting Project Staff will organize (3) community outreach meetings to be held in Breckenridge (upper Blue), Silverthorne (middle Blue), and Kremmling (lower Blue). Project Staff will select and hire a facilitator (Facilitator) to coordinate and conduct the community outreach meetings. By having an established advisory committee in the beginning of the process, we believe that the community outreach events will be better attended and form stronger links to the ongoing process. At the completion of the community meetings, the Project Staff and Facilitator will summarize the minutes and submit a report to the advisory committee in advance of their second meeting.
- 3) The Advisory Committee will consider this report and make recommendations to the Consultant regarding community priorities, issues, concerns, etc. that should further guide Tasks 2 and 3.
- 4) The subsequent three Advisory Committee meetings will consider and review findings and recommendations from the Consultant as they work on Tasks 2 and 3. Prior to each of these meetings the Consultant will provide a progress update on Task 2 and 3 based on the work to date and formulate recommendations about the goals, objectives, projects and innovative water management techniques that will make up Phase Two.
- 5) The sixth and final Advisory Committee meeting will be the culmination of the process of developing the next steps for Phase Two. The committee will make final recommendations on goals, objectives, projects and water management techniques that will inform Task 4 and ultimately, IWMP-Phase Two.

Deliverables:

- 1) Project Staff will complete the stakeholder outreach training with River Network and Cross-watershed Network.
- 2) Project staff will organize and conduct three community meetings to be held throughout the Blue River Watershed.
- 3) Six BRIWMP Advisory Committee Meetings
- 4) Summary of Consultant reports and other materials generated during the community meetings and Advisory Committee process to be provided as part of the final CWCB project report.

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Tasks
Task 2: Assess declining fishery between Dillon and Green Mountain Reservoirs
<p><u>Description.</u> Colorado Parks and Wildlife Gold Medal status was removed from a 19 mile stretch of the Blue River north of Silverthorne in 2016. The stretch had not met Gold Medal criteria for 15 years prior. In 2013 Dr. William M. Lewis and James McCutchan¹ prepared a study, reporting on aquatic life use attainment following the State of Colorado Multi-Metric Index method (MMI) as described in the Colorado Department of Public Health and Environment’s Aquatic Life Use Attainment Policy, Section 10-1 (CDPHE 2010). Seven sites were assessed along an 11-mile reach of the Blue River downstream of Dillon Reservoir. Samples or measurements included water temperature, pH, dissolved oxygen, pebble counts and aquatic invertebrates. Additional studies by others on aquatic invertebrates, trout population/distribution and temperature have been completed or are ongoing in various sites in Reach 2. These studies have not been integrated with Dr. Lewis’ study. However, according to those familiar with the situation, that even in aggregate they do not provide the conclusive evidence necessary to identify the reasons for the declining fishery.</p>
<p><u>Method.</u> The purpose of Task 2 is to expand on the 2013 study footprint and analysis and to integrate previous and ongoing studies to further the understand the fishery decline in the Blue River from Dillon to Green Mountain reservoirs. To accomplish this task, Project Staff will work with BREW to fully integrate previous studies, assess the scope and design of studies currently proposed and modify as necessary the scope of study proposed in this application within the requested budget. The process will be initiated at the annual BREW meeting on November 14, 2018. Subtasks include the following and assume the full agreement and support of BREW (Subtasks may be modified on the basis of input from BREW):</p> <ol style="list-style-type: none"> 1) Work with the BREW to develop the assessment program, verify proposed study sites (2013 sites and additional sites) and study parameters (see below). Project sponsors began this process November 14, 2018 at the annual BREW meeting in Silverthorne, CO. 2) Incorporate the original 7 sites into future studies to provide consistency and a general baseline for comparative analysis. 3) Add additional temperature monitoring sites if determined to be required to enable up and downstream baseline comparisons to the study reach. 4) Assess invertebrate populations, trout diet, trout growth rates and collect periphyton in Reach 2 and 3. 5) Perform a creel census in Reach 1, 2 and 3. 6) Review previous studies on potential contamination from upstream sources (cadmium, zinc, molybdenum (for instance, studies have sampled and examined Dillon Reservoir substrate samples for the presence and concentration of heavy metals).

¹ William M. L., McCutchan, J.H. 2013. Evaluation and Interpretation of Multi-Metric Index (MMI) Information on Invertebrate, Communities of the Blue River below the Dillon Reservoir Dam, Summit County, Colorado, 2012. 337 pgs.



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Tasks
<ol style="list-style-type: none">7) Review and correlate Colorado Parks and Wildlife (fish population and distribution) and U.S. Forest Service (invertebrate populations and water temperature) field work and assessments, with Dr. Lewis' work and the stream assessment.8) Integrate objectives with stream assessment and data review to develop priorities.
<p>Deliverables:</p> <ol style="list-style-type: none">1) Consultant will provide 3 study updates to the Advisory Committee for their interim meetings (Meetings 3, 4 and 5).2) Consultant will provide an additional report that summarizes work to date and, if possible, make preliminary conclusions on the reasons for the declining fishery for consideration at Advisory Committee meeting 6. This information will be used by the committee to help inform goals and objectives in Phase Two.3) Consultant will provide a final report at the conclusion of the 18 month study.4) The final report will either conclusively define the causes of the declining fishery or provide the most probable factors that are contributing to the decline. This information will help inform Task 4 and the next steps to be taken in IWMP-Phase Two. If conclusions are not reached, it is assumed that the study will continue to gather data in Phase Two until conclusions can be made as to the reasons for the declining fishery and possible remedies.

Tasks
Task 3: Compile and review existing available data, information and studies.
<p><u>Description.</u> The Objective 2 narrative describes the wide array of basin studies, data and other valuable information that remains unintegrated. Task 3 will compile, review and integrate this array of information for use in developing IWMP-Phase Two management goals, objectives, multi-use projects and innovative management techniques. As this information is collected, analyzed and integrated, it will be disseminated to the Advisory Committee and considered at committee meetings in the same method and format as Task 2.</p>

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Tasks

Method. Data compilation will be implemented through the use of the CMU website, as well as information gathering through interviews and discussions with stakeholders, agencies and other resources in a data collection effort as follows:

- 1) Collection and review of existing available studies, restoration efforts, data, and anecdotal information. Identify relevant resources that can support and help in the assessment of existing biological, hydrological, and geomorphological conditions at a reach scale in the area above Dillon. This same process will be applied to downriver reaches on a less intensive basis.
- 2) Summarize water operations, diversions for local and major water users.
- 3) Inventory recreational uses. Coordinate with the boating and angling community (river and marinas) and skiing and golf community.
- 4) Meet with producers and inventory and assess use and conditions of agricultural irrigation infrastructure. Coordinate with producers to understand needs and methods to improve operations.
- 5) Identify critical needs for additional assessments and studies.

Deliverables:

- 1) Consultant will work with project sponsors to synthesize and summarize existing available data, information and studies into periodic updates for consideration by the Advisory Committee at meetings 3-5.
- 2) Consultant will work with project sponsors to create a summary report for consideration by the Advisory Committee prior to meeting 6.
- 3) Based on the final recommendations of the Advisory Committee, the Consultant will prepare a final report will consider stakeholder needs, funding needs and identify a list of goals, objectives, potential future demonstration projects and innovative water management techniques that will inform Task 4 and form the basis for IWMP-Phase Two work.
- 4) The periodic and final reports provided to the Advisory Committee will form the basis for the required CWCB-Six Month reports. The reports will further provide a project progress report that relates directly to the grant proposal. There will be a minimum of two of the interim reports provided to CWCB.

Task 4: Develop BRIWMP Goals and Objectives for Phase 2.



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Description. The information generated by the Consultant and Project Staff in Tasks 1 through 3 will be utilized to inform the Blue River community and Advisory Committee on relevant issues and support the development of the IWMP through implementation goals and objectives in Phase Two. Those goals and objectives will likely include multi-use projects and innovative water management techniques that will be vetted through the development of environmental, agricultural and recreational values and goals that were identified during community meetings and through the Advisory Committee review and recommendation process. In no instance will a project or water management technique be endorsed that potentially harms an existing consumptive use. Phase One will further identify temporal, geographical, legal, or administrative constraints and opportunities that may limit or assist in the basin's ability to meet environmental and recreational goals.

Method. The purpose of Task 4 is to take the results of the community meetings and the final Advisory Committee recommendations and formulate the goals and objectives for Phase Two. Work completed prior to Task 4.

- 1) Project Staff and the Consultant will have jointly reviewed the periodic Consultant reports prior to their submission to the Advisory Committee and developed written recommendations on evolving goals and objectives for Phase Two. These recommendations will have been presented to the Advisory Committee prior to meeting 2 (regarding the community meetings) and 3, 4 and 5 (regarding Tasks 2 and 3). At each successive meeting the Advisory Committee will have provided continuous feedback thereby ensuring that stakeholder goals and values are met over the course of the project. As stated, Project Staff and Consultant will have made final recommendations for Phase Two goals, objectives, projects and water management techniques to the Advisory Committee for consideration at meeting 6 and the Advisory Committee will have provided a final set of goals, objectives, projects and water management techniques.

Once all prior work is complete, Project Staff and Consultant will:

- 1) Synthesize the information gathered at community meetings, the recommendations of the Advisory Committee and the data, maps and reports generated by Tasks 2 and 3 into a final report that will provide a community driven guide for Phase Two of the IWMP.

Deliverable.

The following three deliverables will be combined into a CWCB final report which will comply with and meet the requirements of the Final Project Report to be submitted to CWCB at the conclusion of this grant.

- 1) Blue River IWMP-Phase Two-Goals and Objectives.
- 2) List of demonstration projects in all three reaches of Blue River Watershed
- 3) Updated stakeholder outreach plan for Phase Two.

Budget and Schedule

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This Statement of Work shall be accompanied by a combined Budget and Schedule that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format.

Reporting Requirements

Progress Reports: The applicant 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.

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

The CWCB will pay out the last 10% of the 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 purchase order or grant will be closed without any further payment.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. 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.

Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of this contract must be provided to CWCB in hard copy and electronic format as part of the project documentation.

Performance Measures

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 Water Plan Grant Guidelines, the CWCB will pay out the last 10% of the 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 purchase order or grant will be closed without any further payment.

(b) Accountability: Per Water Plan 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 Water Plan 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.

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Performance Measures

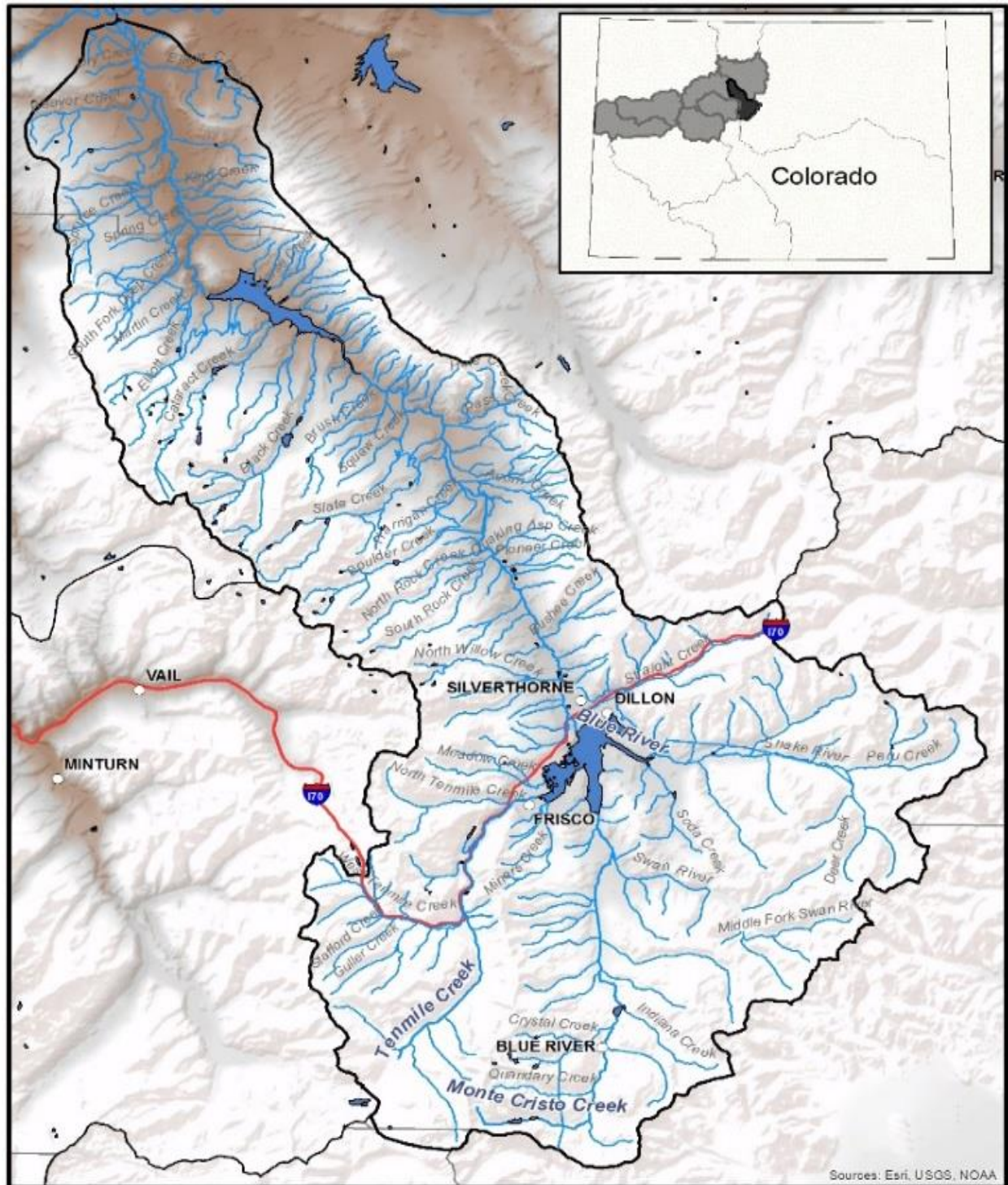
- (c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.
- (d) Noncompliance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

Task	Description	Estimated Labor	Estimated ODC	Total Project Costs
1	Stakeholder Outreach and Advisory Team Development	\$29,520	\$480	\$30,000
2	Assess Declining Fishery between Dillon and Green Mtn Reservoirs	\$117,010	\$9,520	\$126,530
3	Compile and Review Existing Available Data, Information and studies	\$56,900	\$1,000	\$57,900
4	Develop BRIWMP Goals and Objectives for Phase 2	\$12,780	\$780	\$13,560
-	General Grant Administration and Management	\$25,449	\$200	\$25,649
	Totals	\$241,659	\$11,980	\$253,639

[illegible]

Exhibit C.

Project Area Map-The Blue River Basin.





October 31, 2018

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

RE: Trout Unlimited and Blue River Watershed Group's application for Colorado Watershed Restoration Grant Program (Blue River Integrated Water Management Plan)

Dear Mr. Sturm:

I am writing on behalf of the Town of Breckenridge to express our strong support for the Trout Unlimited application to the Colorado Watershed Restoration Grant Program to support the development of an integrated water management plan on the Blue River (BR-IWMP). This project will play an important role in the long-term health and resiliency of the watershed by identifying future uses and supply gaps, developing common community goals and stakeholder engagement processes, leveraging current available information on aquatic ecosystem health with supporting critical research needs, and planning for the protection and restoration of the Blue River watershed.

The Town of Breckenridge has long advocated for the health of the Blue River and has played an active role in the protection and restoration of the Upper Blue watershed, and the headwaters of the Colorado River. We have actively acquired and managed over 4,700 acres of open space lands and in doing so prioritized wetlands and water resources as part of our acquisitions. We have initiated and partnered on multiple river restoration projects, including the recent Blue River and Swan River projects that address water-related impacts left behind by our mining-focused forebears. We have demonstrated a commitment to preventing heavy metals from leaching into water sources via several VCUP projects and an active water treatment plant in French Gulch. As a municipality, we also serve our community and portions of unincorporated Summit County with municipal water service. Our recent investment in a second water treatment plant is intended to serve our community's water needs into the future, while also improving in-stream flows within the Blue River.

As a significant stakeholder in the Upper Blue Basin, the Town of Breckenridge values the efforts being undertaken by Trout Unlimited to develop an integrated water management plan. The completion of such a plan would help our community by:

- Documenting watershed protection and restoration efforts made to date.
- Identifying research gaps and projects that can support the goals of our Open Space and Trails program and our community as a whole.
- Leveraging outside funding with local partners to support a watershed-level plan that incorporates community values and environmental needs.

- Evaluating opportunities to enhance the recreation experience for locals and visitors (boating, angling, wildlife viewing, etc.), thereby increasing economic benefits and long-term community resiliency.
- Recognizing environmental needs and community values to be integrated into long-term planning processes.
- Helping ensure that land use decisions are made with broad stakeholder involvement and consideration of the watershed values.

The Town of Breckenridge values our important role at the headwaters of the Blue River and Colorado River. As a municipality, we serve in a multi-faceted role in the protection, restoration, and responsible use of our local water resources. We greatly appreciate Trout Unlimited's role in attempting to develop an integrated water management plan for the Blue River and urge you to give this grant application your highest consideration. Thank you for your support of water resources statewide.

Sincerely,



Rick Holman
Town Manager

From: [Brien Rose](#)
To: [Richard Gytenbeek](#); [Robert Firth](#)
Cc: [Daniel Omasta](#)
Subject: RE: Blue River IWMP funding request.
Date: Monday, December 17, 2018 3:44:06 PM

Hello Richard,

The owner of Blue Valley Ranch would be happy to put 12k towards this effort. Let us know what you need from us to proceed.

cheers

Brien

From: Richard Gytenbeek [mailto:Richard.Gytenbeek@tu.org]
Sent: Wednesday, December 12, 2018 3:11 PM
To: Brien Rose <Brien.Rose@jnsgrp.com>; Robert Firth <Robert.Firth@jnsgrp.com>
Cc: Daniel Omasta <Daniel.Omasta@tu.org>
Subject: Blue River IWMP funding request.

Hi Brian and Rob. Attached is a letter which provides information on the structure and current status of the IWMP grant effort as well as making a formal request of 12K to the BVR. After our conversation I thought this was the best way for you guys to move this up to the next level. Give it a read and if there is anything else you need please don't hesitate to contact me or Dan O. If you can get back to us before the holidays that would be awesome, if not hopefully before the first of the year. Thanks and let us know asap.



Richard Van Gytenbeek / Colorado River Basin Outreach Coordinator
r.vangytenbeek@tu.org / 307-690-1267
Go to the Our Colorado River website: <http://www.ourcoriver.com/>

Trout Unlimited

115 North Fifth Street, Suite #409
Grand Junction, CO 81501
<http://www.tu.org>



Richard Van Gytenbeek

Colorado River Basin Outreach Coordinator

Trout Unlimited

Grand Junction, CO

Dear Richard Gytenbeek,

It is our pleasure to write a letter to support the proposal entitled “Blue River Integrated Water Management Plan” submitted to Colorado Water Conservation Board-Colorado Watershed Restoration Program.

As you know, Blue Valley Ranch is the largest private landowner on the Blue River and we have invested tens of millions of dollars aimed at enhancing fish and wildlife habitat on the Ranch. We feel strongly that the methods and ideas outlined in this proposal will not only benefit the Blue River between Lake Dillon and Green Mountain Reservoir, but will also improve fish and wildlife habitat downstream through our Ranch and into the Colorado River Watershed.

In conclusion, we fully support the efforts of Trout Unlimited and the Blue River Watershed Group as they seek external funding to 1) research the potential causes of the declining fishery between Dillon and Green Mountain reservoirs, and 2) compile, review and integrate existing studies regarding the physical and biological aspects of the Blue River basin water resources for the purpose of formulating objectives that will guide future management decisions. We feel strongly that the ideas presented in this proposal are scientifically sound and that the proposal should be funded at the amount requested.

Sincerely

Brien Rose

Director of Natural Resources and Fisheries Biologist

Blue Valley Ranch

Kremmling, CO 80459

October 30, 2018

Colorado Water Conservation Board
ATTN: Chris Sturm
1313 Sherman St., Room 721
Denver, CO 80203

Dear Mr. Sturm:

This letter transmits Colorado Springs Utilities (Utilities) support for the Trout Unlimited application to the Colorado Watershed Restoration Grant Program for the development of an integrated water management plan on the Blue River (BR-IWMP).

The BR-IWMP will help inform the long-term health and resiliency of the watershed by identifying and developing common community goals through robust stakeholder engagement processes, leveraging current available information on aquatic ecosystem health, providing supporting critical research needs, and producing a plan that documents a science based approach for the continued protection of the Blue River watershed.

The BR-IWMP fits Utilities' mission of finding solutions to balancing the use and development of our water supplies while minimizing environmental impacts. We intend to actively participate to increase our understanding of stakeholder needs in this important watershed and work toward productive assessments and future planning that takes into consideration all stakeholders of this resource.

We respectfully request that the Colorado Water Conservation Board and the Watershed Management Planning Committee give the BR-IWMP application favorable consideration. If you have any questions in regard to our support, please do not hesitate to contact me.

Sincerely,



Abigail Ortega, P.E.
Manager
Water Resources and Demand Management
Colorado Springs Utilities



COLORADO

Parks and Wildlife

Department of Natural Resources

NW Region Aquatics
711 Independent Ave.
Grand Junction, CO 81505
P 970.255.6186 | F 970.255.6111

October 31, 2018

Trout Unlimited
Mr. Richard Van Gytenbeek
115 N. 5th Street, Suite #409
Grand Junction, CO 81501

Dear Richard:

Colorado Parks and Wildlife (CPW) is submitting this letter in support of Trout Unlimited (TU) and the Blue River Watershed Group's (BRWG) application for the Colorado Water Conservation Board's (CWCB) Colorado Watershed Restoration Program grant.

For the past two years, CPW has coordinated a Blue River Enhancement Work Group (BREW) to restore the aquatic environment and fishery of the Blue River downstream of Dillon Dam. Through cooperation with interested and affected agencies and individuals, and with public support, CPW has worked to identify limiting factors and seek potential solutions. Representatives from TU and the BRWG have actively participated in BREW, providing valuable input and interest in restoring the Blue River.

CPW is pleased that TU and the BRWG are seeking funds to support the first effort within the Blue River watershed to develop a comprehensive integrated water management plan (IWMP). A successful Colorado Watershed Restoration Program grant application to produce the IWMP for the Blue River Basin could potentially provide the necessary resources for TU and the BRWG to continue collaborative efforts with the BREW. The process to develop the IWMP could include further, broad stakeholder outreach, resulting in the completion of an effective tool that all water users can understand, appreciate, and maximize benefit from, without impairing our aquatic resources.

CPW looks forward to continuing our partnership with TU and the BRWG to not only restore the Blue River's aquatic environment and fishery, but also to participate in development of the basin-wide IWMP, should the CWCB fund this important initiative.

Sincerely,

Lori M. Martin
NW Region Senior Aquatic Biologist



November 1, 2018

Chris Sturm
Stream Restoration Coordinator
Colorado Water Conservation Board
1313 Sherman St, Room 721
Denver, CO 80203

RE: Support for CWCB Grant - Blue River Integrated Water Management Plan

Dear Chris:

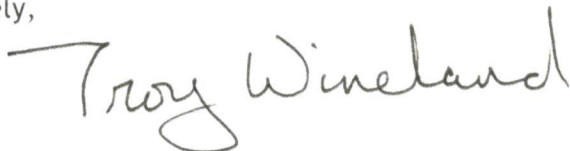
I write to express my support for the TU / BRWG grant application to the Colorado Water Conservation Board for development of the Blue River Integrated Water Management Plan.

Day-to-day management of water resources within the Basin provides an exceptional perspective upon the allocation and use of our State's most precious resource. From flood irrigation, hallmark vistas, and rafting along the Lower Blue...fishing and recreational boating upon/near Dillon Reservoir...to world-class golf, skiing, and hiking opportunities throughout the upper reaches of the Basin...Summit County provides the essence of the Colorado experience for weekend excursions and destination visits alike.

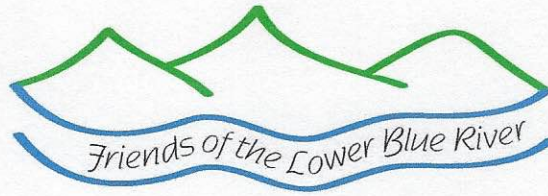
The proposed IWMP will enhance our understanding of these existing water uses and, with an eye to future applications, strive toward improvements and efficiencies in its management. An over-appropriated, tributary headwater to the Colorado River, the Blue River currently loses ~30% of its native flow to East Slope communities. Further reduction in native supply due to growing population, increased visitation, and climate change demand a more comprehensive and forward-looking planning effort.

Both Trout Unlimited and the Blue River Watershed Group are uniquely qualified for this endeavor. With talented, well-informed staff and Board members...both groups have successfully initiated, funded, and managed numerous projects throughout the Blue River Basin. The breadth and depth of their combined experience, coupled with their extensive professional network and collaborative efforts, provide for an impressive and distinguished alliance. A partnership worthy of funding toward this admirable cause.

Sincerely,

A handwritten signature in dark ink that reads "Troy Wineland". The signature is written in a cursive, flowing style with a large, prominent "T" and "W".

Troy Wineland
Water Commissioner - Blue River Basin
Colorado DWR, Division 5



October 24, 2018

Colorado Water Conservation Board
Colorado Watershed Restoration Program

To whom it may concern:

The water challenges we face to maintain the life and vitality of the Blue River basin are significant. Friends of the Lower Blue River is committed to maintain the integrity of the Blue River through Summit and Grand Counties, so it can be enjoyed for generations to come. The effects of global climate change are real, as seen just this year with lower water levels from Lake Dillon, the Blue River and Green Mountain reservoir. The time is now to develop plans for the future water usage throughout an area that feeds the Colorado River system.

Friends of the Lower Blue River, a 501(c)(3) non-profit organization, fully supports the effort of Trout Unlimited and the Blue River Watershed Group in developing an integrated water management plan. Proper planning will be the key to maintaining the life of this important waterway.

Kind Regards,

Jonathan Knopf
Executive Director
Friends of the Lower Blue River



TOWN of FRISCO

PUBLIC WORKS DEPARTMENT

P.O. BOX 4100
FRISCO, COLORADO 80443

October 26, 2018

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

RE: Trout Unlimited and Blue River Watershed Group's application for Colorado Watershed Restoration Grant Program (Blue River Integrated Water Management Plan)

Dear Mr. Sturm:

On behalf of the Town of Frisco and the Department of Public Works, I am writing to express our strong support for the Trout Unlimited application to the Colorado Watershed Restoration Grant Program to support the development of an integrated water management plan on the Blue River (BR-IWMP). This project will play an important role in the long-term health and resiliency of the watershed by identifying future uses and supply gaps, developing common community goals and stakeholder engagement processes, and planning for the protection and restoration of the Blue River watershed.

As a community reliant on the Tenmile Creek drainage for municipal water supplies and tourism, the Town of Frisco stands to benefit from an IWMP process in the Blue River Basin. The process will directly support our local goals by:

- Identifying potential threats and opportunities to the management of water resources in the North Tenmile Creek drainage;

- Discovering upstream sources of contamination to municipal drinking water and providing a path to future resources that can help in the remediation of those concerns;

- Incorporating the values of the Frisco community, town staff, and water managers with larger watershed goals and resources;

- And ensuring that Frisco can rely on adequate flows through town in order to support a healthy fishery, tourism economy, and aesthetic value.

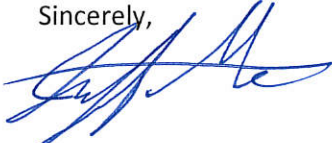
For the reasons listed above, the Town of Frisco and the Department of Public works fully support the Trout Unlimited application to develop a Blue River IWMP. As an invested stakeholder in the process, we plan to support this effort through routine staff engagement, planning, and financial resources where it aligns with established goals of the Frisco community.

(970) 668-0836 ♦ Fax: (970) 668-1327 ♦ Denver Direct: (303) 670-1316 ♦
email: publicworks@townoffrisco.com

We encourage you and the selection committee to support this important process for our community.

Thank you for your time and consideration.

Sincerely,



Jeff Goble
Public Works Director / Water Superintendent
Town of Frisco. Colorado



**MEMBER
JURISDICTIONS**

City of Glenwood
Springs

City of Steamboat
Springs

Town of Carbondale

EAGLE COUNTY

Basalt
Eagle
Gypsum
Minturn
Red Cliff
Vail

GRAND COUNTY

Fraser
Granby
Grand Lake
Hot Sulphur Springs
Kremmling
Winter Park

JACKSON COUNTY

Walden

PITKIN COUNTY

Aspen
Snowmass Village

SUMMIT COUNTY

Breckenridge
Blue River
Dillon
Frisco
Montezuma

October 31, 2018

Mr. Chris Sturm
Colorado Water Conservation Board
Watershed Restoration Program

Dear Chris:

I am writing in support of Trout Unlimited's ("TU") application for Watershed Restoration Program grant funds to help finance the Blue River Integrated Water Resource Management Plan ("IWMP"). NWCCOG is very familiar with the concept of an IWMP as well as the complexity of the Blue River watershed. The complexity of the Blue River watershed lends itself to an IWMP approach to organize information and assess opportunities for improved management for the health and utilization of the watershed. We believe TU in partnership with the Blue River Watershed Group provide an excellent team to undertake both fiscal management and project oversight. Both organizations have considerable experience with grant funded projects and have successfully undertaken projects in the Blue River watershed.

The components and organization of the proposed project are well developed. We are particularly excited with the potential coordination with the Blue River Enhancement Group's efforts to explain the poor quality of trout in the middle segment of the Blue River, between Dillon and Green Mountain Reservoir. The low growth rate and poor body condition of trout in this reach is perplexing and this project could bring more human and financial resources to this problem.

We also believe that the project is well designed to be inclusive of the diverse stakeholders and interests found within the watershed that will be necessary for future support of any identified watershed management and restoration projects.

We ask that you please consider funding TU's Blue River IWMP grant application.

Sincerely,

Lane Wyatt
NWCCOG Watershed Services Program Director

From: [Tom Daugherty](#)
To: [Daniel Omasta](#)
Cc: [Richard Gytenbeek](#); [Greg Hardy](#); [Bailey, Peggy](#)
Subject: RE: Blue River IWMP Matching Funds
Date: Tuesday, December 18, 2018 1:27:54 PM
Attachments: [image001.png](#)

The Town agrees to spend \$15,000 in 2019 as outlined below.

Tom Daugherty
Director of Public Works
Town of Silverthorne
P.O. Box 1309
Silverthorne, CO 80498
970-262-7353
tdaugherty@silverthorne.org

From: Daniel Omasta <Daniel.Omasta@tu.org>
Sent: Monday, December 17, 2018 4:19 PM
To: Tom Daugherty <TDaugherty@silverthorne.org>
Cc: Richard Gytenbeek <Richard.Gytenbeek@tu.org>; Greg Hardy <greghhardy@hotmail.com>; Bailey, Peggy <Peggy.Bailey@tetrattech.com>
Subject: Blue River IWMP Matching Funds

Hello Tom,

I am writing to follow up on previous discussions and confirm the opportunity for Silverthorne to provide critical "match" for the recently-submitted Blue River Integrated Water Management Plan (BR-IWMP) application to the CWCB. As you know, the two primary objectives of the BR-IWMP "Phase 1" effort designed to take place over the next 18 months are to: 1) Identify the causes of, and potential solutions for, the declining fishery between Dillon Reservoir and Green Mountain Reservoir; and 2) produce a "literature review" of all available studies, watershed plans, water management activities, etc. to identify data gaps, threats, and project opportunities throughout the entire watershed.

As you know, we submitted our CWCB-Stream Mgt. Plan grant application to Chris Sturm on November 2nd. We are also in the process of preparing the supplemental grants (CWCB-Co. Water Plan Implementation funds and Water Supply Reserve Funds) and funding sources that will be necessary to complete the final grant package.

At present, the proposed funding for the Blue River IWMP will come from CWCB's Stream Restoration Program-SMP Category (50%), In-kind staff hours coming from TU, CTU and BRWG staff at a .70 FTE annual level dispersed over the 18 month grant period and a combination of CWCB's Colorado Water Plan Grants in the Engagement/Innovation and Environment/Recreation categories and/or CWCB's WSRF-Basin and State funds (25%). Requested and planned grant totals are as follows:

1) CWCB Stream Restoration Program-SMP Category	\$126,819.00
2) In-kind Project Sponsor Staff Hours	\$ 63,710.00
3) CWCB CWP Grants <u>and/or</u> CWCB WSRF Basin/State	<u>\$ 63,110.00</u>
4) Total Blue River IWMP-Phase One	\$253,639.00

Representatives of the CWCB have since asked that we provide a greater percentage of cash match from the BR-IWMP partners – likely to demonstrate stakeholder buy-in, as well as secure greater return on investment of state dollars. Chris Sturm offered that if 50% (\$32,000.00) of the “in-kind” category were cash, the Blue River IWMP grant would be significantly more competitive.

For this reason, TU is reaching out to various core stakeholders in this process to identify and leverage matching funds. These monies do not have to be spent immediately, and can be expended over the 18-month grant timeframe on studies and projects that fall within the scope of the IWMP (these expenditures can include already planned actions by our stakeholders and does NOT necessitate new expenses – unless partners agree to the benefits of the latter). In order to unlock the \$200,000 in State cash and \$63,000 in staff time/project management, we need to identify \$32,000 to include as an addendum to our initial application to the CWCB. We have outlined the potential funding contributions and project earmarks below:

<u>Organization</u> <u>if applicable)</u>	<u>Cash Match</u>	<u>Project (earmark</u>
Town of Silverthorne	\$15,000	(\$3,500 for bug studies with USFS, remaining funds committed to studies related to BREW activities)
Summit Water Quality Commission (confirmed)	\$2,500	(BREW support)
Blue Valley Ranch (confirmed)	\$12,000	(IWMP Studies, Creel Survey Expenses, etc.)
Summit County	\$2,500	(General IWMP)
<hr/>		
Total	\$32,000	

Please note that this initial cash match is intended to initiate “Phase 1” of the IWMP, which will produce a strategic watershed management plan with more specific projects and deliverables in “Phase 2” – requiring much greater community-based investment. We know that the Town of Silverthorne is an active participant in local initiatives to improve the health of the Blue River and we greatly appreciate your support for this project. Please let me know if the Town can provide the \$15,000 cash match we have discussed in the lead up to this email and let us know if you have any questions.

Thank you for your commitment to this project and the future of the Blue River Watershed.

Best,
Dan



Dan Omasta | Grassroots Coordinator

domasta@tu.org

Colorado Trout Unlimited

office: 303.440.2937

cell: 720.354.2647

www.coloradotu.org

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

September 27, 2018

Chris Sturm
Colorado Water Conservation Board
CWCB Stream Restoration Program
1313 Sherman Street, Rom 721
Denver CO
(303) 866-3441

Dear Chris and staff,

The Colorado Basin Roundtable supports the request by the Blue River Watershed Group and Trout Unlimited for a grant from the CWCB-Stream Restoration Program's Stream Management Plan program. The grant would be to initiate Integrated Watershed Management Planning on the Blue River system. As you know, we use Integrated Watershed Management Planning as the nomenclature for stream management planning to connote inclusion of all stakeholders in the process.

This kind of work is cited as a chief finding and need of our Basin Implementation Plan and was highlighted by Colorado's Water Plan as the same. The constituents of the CBRT have IWMP work underway in the Middle Colorado River basin and in the Eagle River-Colorado River basin. Furthermore, the CWCB and the CBRT have funded and completed an IWMP framework which will be the basis of the work in the Blue.

We have reviewed the details of the BRWG-TU effort and agree this work that will advance both our BIP and the CWP.

Sincerely yours,

A handwritten signature in black ink, reading "Jim Pokrandt". The signature is fluid and cursive, with a long horizontal stroke extending from the end of the name.

Jim Pokrandt
Chair, Colorado Basin Roundtable



BOARD OF COUNTY COMMISSIONERS

970.453.3402 ph | 970.453.3535 f
www.SummitCountyCO.gov

208 East Lincoln Ave. | PO Box 68
Breckenridge, CO 80424

October 26, 2018

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

RE: Trout Unlimited and Blue River Watershed Group's application for Colorado Watershed Restoration Grant Program (Blue River Integrated Water Management Plan)

Dear Mr. Sturm:

The Summit County Board of County Commissioners (BOCC) strongly supports Trout Unlimited's (TU) application to the Colorado Watershed Restoration Grant Program for the development of an integrated water management plan on the Blue River (BR-IWMP). The BR-IWMP project will play an important role in the long-term health and resiliency of the watershed by; (1) identifying future watershed uses and supply gaps, (2) developing common community goals and stakeholder engagement processes, (3) leveraging currently available information on aquatic ecosystem health by supporting critical research needs, and (4) planning for the ongoing protection and restoration of the Blue River watershed.

Summit County has a strong and enduring collaborative relationship with both Trout Unlimited and the Blue River Watershed Group (BRWG) on watershed restoration and mine reclamation efforts throughout the Blue River Watershed; notably headwater areas along Peru Creek, French Gulch, Tenmile Creek, and the Swan River. The proposed BR-IWMP will complement and enhance Summit County's ongoing efforts to reclaim our mining past to the benefit of Summit County's natural environment, recreation-based economy, and community.

The Colorado Water Conservation Board is a pivotal partner in Summit County's watershed restoration efforts. CWCBC technical assistance and funding support has been essential to our successes. As County Commissioners, we are excited by TU and BRWG's collaborative efforts and the support the Watershed Restoration Grant Program can provide to the Summit County region. We urge you to support TU's grant application.

Sincerely,
Summit County Board of County Commissioners

Dan Gibbs
Chair

Karn Stiegelmeier
Commissioner

Thomas Davidson
Commissioner

From: [Karn Stiegelmeier](#)
To: [Richard Gytenbeek](#)
Subject: Re: Request to Summit County for Blue River IWMP Funding.
Date: Tuesday, January 08, 2019 1:26:00 PM

Good to go— Summit is in for 2,500.00
See you MOnday??

Karn

Karn Stiegelmeier
Summit County Commissioner
208 East Lincoln Ave.
Breckenridge, CO 80424
Karn.Stiegelmeier@summitcountyco.gov<<mailto:Karn.Stiegelmeier@summitcountyco.gov>>
Office - 970-453-3412
Cell - 970-471-2298

On Jan 7, 2019, at 2:03 PM, Richard Gytenbeek <Richard.Gytenbeek@tu.org<<mailto:Richard.Gytenbeek@tu.org>>> wrote:

Thanks Karn.

<image001.jpg><<http://www.tu.org/>>

Richard Van Gytenbeek / Colorado River Basin Outreach Coordinator
r.vangytenbeek@tu.org<<mailto:r.vangytenbeek@tu.org>> / 307-690-1267
Go to the Our Colorado River website: <http://www.ourcoriver.com/>

Trout Unlimited
115 North Fifth Street, Suite #409
Grand Junction, CO 81501
<http://www.tu.org><<http://www.tu.org>>

From: Karn Stiegelmeier
<Karn.Stiegelmeier@summitcountyco.gov<<mailto:Karn.Stiegelmeier@summitcountyco.gov>>>
Sent: Monday, January 07, 2019 12:51 PM
To: Richard Gytenbeek <Richard.Gytenbeek@tu.org<<mailto:Richard.Gytenbeek@tu.org>>>
Subject: RE: Request to Summit County for Blue River IWMP Funding.

Hi Richard,
Sorry for the delay..... I will bring this up at our meeting tomorrow, and see if we can find some funding for this.
Thanks!
Karn

Karn Stiegelmeier
Summit County Commissioner
208 East Lincoln Ave
Breckenridge, CO 80424
Karn.stiegelmeier@summitcountyco.gov<<mailto:Karn.stiegelmeier@summitcountyco.gov>>
Office – 970-453-3412

Cell - 970-471-2298

From: Richard Gytenbeek <Richard.Gytenbeek@tu.org<<mailto:Richard.Gytenbeek@tu.org>>>
Sent: Wednesday, January 2, 2019 4:06 PM
To: Karn Stiegelmeier
<Karn.Stiegelmeier@summitcountyco.gov<<mailto:Karn.Stiegelmeier@summitcountyco.gov>>>
Subject: FW: Request to Summit County for Blue River IWMP Funding.

Hi Karn-I hit you with this request while you were out of the country. Wanted to follow up now that you are back and the holidays are winding down. The request is described below so I won't belabor you with another rendition except to add that the Town of Silverthorne, Blue Valley Ranch and Summit Water Quality Committee via Lane have all committed cash funding in the amounts requested below. Hoping that Summit County can provide an additional \$2500.00 to bring our total up to 32K (the amount identified by Chris Sturm). We have heard through the grape vine that it is highly probable our Blue River IWMP will be funded. If the county has the capacity to provide the final \$2500 it will put us another step closer. Thanks and let me know.

<image001.jpg><<http://www.tu.org/>>

Richard Van Gytenbeek / Colorado River Basin Outreach Coordinator
r.vangytenbeek@tu.org<<mailto:r.vangytenbeek@tu.org>> / 307-690-1267
Go to the Our Colorado River website: <http://www.ourcoriver.com/>

Trout Unlimited
115 North Fifth Street, Suite #409
Grand Junction, CO 81501
<http://www.tu.org><<http://www.tu.org>>

From: Richard Gytenbeek
Sent: Thursday, December 13, 2018 11:05 AM
To: 'Karn Stiegelmeier'
<Karn.Stiegelmeier@summitcountyco.gov<<mailto:Karn.Stiegelmeier@summitcountyco.gov>>>
Cc: Daniel Omasta <Daniel.Omasta@tu.org<<mailto:Daniel.Omasta@tu.org>>>
Subject: Request to Summit County for Blue River IWMP Funding.

Hi Karn-CWCB Stream Restoration Program director, Chris Sturm recently contacted our Blue River IWMP team to strongly encourage us to supplement our CWCB-SMP grant application with some stakeholder funding. Accordingly, we are reaching out to a number of stakeholders who we believe have a vested interest in this effort and access to discretionary funds. We are hoping that Summit County is able to provide \$2,500.00 dollars towards a total cash match of \$32,000.00. I don't want to presume that you have followed every detail of our grant funding effort to date so the following is a review of the grant, structure, status and proposed funding.

First, the Blue River IWMP project is planned in two "Phases":

1. Phase 1 comprises the current comprehensive grant in the amount of \$253,630.00.
2. Phase 1 is intended to inform and enable a subsequent "Phase 2" by identifying goals, objectives, "real time" projects and innovative water management techniques for the Blue River basin.

Phase 1 has two primary objectives:

1. First, working with the Blue River Enhancement Workgroup (BREW) and Dr. Bill Lewis, identify (and ultimately mitigate) the physical and biological factors that have contributed to the demise of the Gold Medal trout fishery between Dillon and Green Mt. reservoirs (direct costs for the first objective are \$126,530.00).
2. Second, working with a professional consultant, catalogue and synthesize the wealth of existing data and

literature on Blue River basin water quality/quantity, water rights and usage, physical/biological studies, etc. in an effort to inform Phase 2 goals, objectives, projects and management techniques (cost for the second objective is \$127,109.00 but includes indirect costs for both objectives).

Funding sources for the Blue River IWMP are:

1. CWCB's Stream Restoration Program-SMP Category (50% or \$126,819.00).
2. In-kind staff hours coming from TU, CTU and BRWG staff at a .70 FTE annual level dispersed over the 18 month grant period (25% of the grant total or \$63,710.00).
3. A combination of CWCB's Colorado Water Plan Grants in the Engagement/Innovation and Environment/Recreation categories and/or CWCB's WSRF-Basin and State funds (25% or \$63,110.00).
4. Total Blue River IWMP-Phase One. \$253,639.00

Grant Submittals-Current Status.

1. CWCB Stream Restoration-SMP Grant application was submitted November 2nd. Application is currently under review (see #4 below). On 1/15/19 CWCB staff will recommend to CWCB board approval or denial. CWCB board will take action at the end of January on the grant request.

2. Both the CWCB Colorado Water Plan and the CWCB-WSRF grant applications are due 2/2/19. Project team is currently working on those grant applications and working with CWCB staff and the Colorado Basin Roundtable to determine the relative dollar amounts requested from each funding source.

3. TU, CTU and BRWG staff hours will not accrue to the grant until the SMP grant is approved at the end of January.

4. About 2-3 weeks ago, Chris Sturm strongly suggested that we provide a greater percentage of cash match from the IWMP partners. This is likely to demonstrate stakeholder buy-in, as well as secure greater return on investment of state dollars. Chris offered that if 50% (\$32,000.00) of the "in-kind" category were cash, the Blue River IWMP grant would be significantly more competitive.

So as I mentioned, the project team is reaching out to various core stakeholders in this process to identify and leverage matching funds. These monies do not have to be spent immediately, and can be expended over the 18-month grant timeframe on studies and projects that fall within the scope of the IWMP. In addition, matching funds can include already planned actions by our stakeholders if they are actions contemplated by the grant (e.g. Silverthorne will continue to fund an aquatic invertebrate with the White River forest, this study is synonymous with planned grant studies and therefore is an eligible matching fund). We have outlined a potential funding contribution proposal and project earmarks below:

Organization	Cash Match	Project (earmark if applicable)
Town of Silverthorne	\$15,000	(\$3,500 for bug studies with USFS, remaining funds committed to Objective #1).
NWCCG	\$2,500	(Support Objective #1)
Blue Valley Ranch	\$12,000	(TBD)
Summit County	\$2,500	(General IWMP support)
Total	\$32,000	

Karn, when the grant was submitted, we intentionally did not want to ask our local stakeholders for cash matches in Phase 1. Rather, we were hoping that Phase 1 would generate real time projects that would be tangible and easier to generate the public support for funding. We still believe that will be the case but CWCB has requested a little funding "kick start" which we hope you can help us with. Let me know as soon as you can. All we need is a commitment right now to keep our application competitive. Thanks for your consideration.

<image001.jpg><<http://www.tu.org/>>

Richard Van Gytenbeek / Colorado River Basin Outreach Coordinator
r.vangytenbeek@tu.org<<mailto:r.vangytenbeek@tu.org>> / 307-690-1267
Go to the Our Colorado River website: <http://www.ourcoloriver.com/>

Trout Unlimited
115 North Fifth Street, Suite #409

Grand Junction, CO 81501

<http://www.tu.org><<http://www.tu.org>>

From: Richard Gytenbeek
To: "[Lane Wyatt](#)"; [Daniel Omasta](#)
Subject: RE: NWCCOG Matching Funds for CWCB Application
Date: Wednesday, December 12, 2018 5:26:00 PM
Attachments: [image003.png](#)

Hi Lane-Rather than writing this all out do you have time for a conference call tomorrow with Dan and I? I have a meeting in Rifle in the afternoon but am free in the morning. Also, could do anytime on Friday. We can answer these questions and in addition, I (and I think Dan) would like to chat with you about how to structure Dr. Lewis into this effort.



Richard Van Gytenbeek / Colorado River Basin Outreach Coordinator
r.vangytenbeek@tu.org / 307-690-1267

Go to the Our Colorado River website: <http://www.ourcoriver.com/>

Trout Unlimited

115 North Fifth Street, Suite #409

Grand Junction, CO 81501

<http://www.tu.org>

From: Lane Wyatt <qqllane@nwccog.org>
Sent: Wednesday, December 12, 2018 5:01 PM
To: Daniel Omasta <Daniel.Omasta@tu.org>
Cc: Richard Gytenbeek <Richard.Gytenbeek@tu.org>
Subject: Re: NWCCOG Matching Funds for CWCB Application

Hi Dan and Richard,

Thanks for checking in. \$2,500 is reasonable particularly over 18 months but it would likely come from the Summit Water Quality Committee rather than NWCCOG. I do have a couple questions you can help me with.

1. Will you know whether the grant is approved by Jan 10? Our next BREW meeting may get moved to Jan 10 to accommodate Jon Ewert but I'll let everyone know about that when I know.
2. Is the 1st phase of the project still intending to help finance or undertake some of the studies described by Bill Lewis intending to resolve uncertainty on causes of the poor aquatic system in the middle stretch of the Blue. I understand you may do this with other consultants too.
3. What is the time frame for phase 1.

Sorry about the questions, I could look all this up in your application but am being lazy.

Thanks

On Wed, Dec 12, 2018 at 3:11 PM Daniel Omasta <Daniel.Omasta@tu.org> wrote:

Hello Lane,

I am writing to clarify the opportunity to identify the NWCCOG \$2,500 BREW funds as “match” for the recently-submitted BR-IWMP application to the CWCB.

As you know, we submitted our CWCB-Stream Mgt. Plan grant application to Chris Sturm on November 2nd. We are also in the process of preparing the supplemental grants (CWCB-Co. Water Plan Implementation funds and Water Supply Reserve Funds) and funding sources that will be necessary to complete the final grant package.

At present, the proposed funding for the Blue River IWMP will come from CWCB’s Stream Restoration Program-SMP Category (50%), In-kind staff hours coming from TU, CTU and BRWG staff at a .70 FTE annual level dispersed over the 18 month grant period and a combination of CWCB’s Colorado Water Plan Grants in the Engagement/Innovation and Environment/Recreation categories and/or CWCB’s WSRF-Basin and State funds (25%). Requested and planned grant totals are as follows:

1. CWCB Stream Restoration Program-SMP Category	\$126,819.00
2. In-kind Project Sponsor Staff Hours	\$ 63,710.00
3. CWCB CWP Grants <u>and/or</u> CWCB WSRF Basin/State	<u>\$ 63,110.00</u>
4. Total Blue River IWMP-Phase One	\$253,639.00

Representatives of the CWCB have since asked that we provide a greater percentage of cash match from the IWMP partners – likely to demonstrate stakeholder buy-in, as well as secure greater return on investment of state dollars. Chris Sturm offered that if 50% (\$32,000.00) of the “in-kind” category were cash, the Blue River IWMP grant would be significantly more competitive.

For this reason, TU is reaching out to various core stakeholders in this process to identify and leverage matching funds. These monies do not have to be spent immediately, and can be expended over the 18-month grant timeframe on studies and projects that fall within the scope of the IWMP (these expenditures can include already planned actions by our stakeholders and does NOT necessitate new expenses – unless partners agree to the benefits of the latter). In order to unlock the \$200,000 in State cash and \$63,000 in staff time/project management, we need to identify \$32,000 to include as an addendum to our initial application to the CWCB by December 21. We have outlined the potential funding contributions and project earmarks below:

<u>Organization</u>	<u>Cash Match</u>	<u>Project (earmark if applicable)</u>
---------------------	-------------------	--

Town of Silverthorne	\$15,000	(\$3,500 for bug studies with USFS, remaining funds committed to studies related to BREW activities)
NWCCOG	\$2,500	(General BREW support)
Blue Valley Ranch	\$12,000	(General IWMP support, Creel Survey Expenses, etc.)
Summit County	\$2,500	(General IWMP)

Total \$32,000

Please note that this initial cash match is intended to initiate "Phase 1" of the IWMP, which will produce a strategic watershed management plan with more specific projects and deliverables in "Phase 2" – requiring much greater community-based investment. Please confirm your organization's ability to meet the cash match we have discussed in the lead up to this email and let us know if you have any questions.

Thank you for your commitment to this project and the future of the Blue River Watershed.

Best,
Dan



Dan Omasta | Grassroots Coordinator

domasta@tu.org

Colorado Trout Unlimited

office: 303.440.2937

cell: 720.354.2647

www.coloradotu.org

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Lane Wyatt
NWCCOG/QQ
PO Box 2308
Silverthorne, CO 80498
970-485-0561
qqlane@nwccog.org
www.nwccog-qq.org

