

**Water Supply Reserve Fund
Water Activity Summary Sheet
May 16, 2019
Agenda Item 26(f)**

Applicant & Grantee: Trout Unlimited and the Blue River Watershed Group
Water Activity Name: Blue River Integrated Water Management Plan
Water Activity Purpose: Multipurpose Study
County: Summit County and parts of Grand County
Drainage Basin: Colorado
Water Source: Blue River
Amount Requested: \$17,110 Colorado Basin Account
Matching Funds: Applicant Match (cash & in-kind) = \$63,710

- 372% of the Basin Account request (meets 25% min)
- 25% of the total project cost of \$253,639

Staff Recommendation:
Staff recommends approval of up to \$17,110 from the Colorado Basin Account to help fund the project titled: Blue River Integrated Water Management Plan.

Water Activity Summary: WSRF grant funds, if approved, will help Trout Unlimited (TU) and the Blue River Watershed Group (BRWG) work 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 (approx. 19 miles of stream).

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.

Discussion: As described in the Colorado basin roundtable chair’s recommendation letter, this project was supported and recommended for approval by the roundtable on March 25, 2019. The project will help meet goals outlined in the Colorado Water Plan (Goals A, B, D, E, and F) and in the Colorado River Basin’s Basin Implementation Plan (Themes 1-5). This project will advance understanding of negative conditions affecting the Blue River in Summit County, not the least being the habitat conditions, which are contributing to the degradation of the Gold Medal fisheries. Both Colorado’s Water Plan and the Basin Implementation Plan address stream management planning and the need for healthy streams and riparian areas.

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

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

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

Funding Summary / Matching Funds:

<u>Funding Source</u>	<u>Cash</u>	<u>In-Kin\$0d</u>	<u>Total</u>
Town of Silverthorne	\$15,000	\$0	\$15,000
Blue Valley Ranch	\$12,000	\$0	\$12,000
Summit County Water Quality Committee (via NWCOG)	\$2,500	\$0	\$2,500
Summit County	\$2,500	\$0	\$2,500
TU and BRWG Staff Time (.35 FTE x 18 mo.)	\$0	\$31,710	\$0
Sub-total	\$32,000	\$31,710	\$63,710
CWCB Watershed Restoration grant <i>awarded</i>	\$126,819	n/a	\$126,819
CWCB CWP Grant (Env&Rec) <i>pending</i>	\$30,000	n/a	\$30,000
CWCB CWP Grant (Engagement & Innov) <i>pending</i>	\$16,000	n/a	\$16,000
CWCB WSRF Colorado Basin Account	\$17,110	n/a	\$17,110
Totals	\$221,929	\$31,710	\$253,639

CWCB Project Manager: Chris Sturm

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, appearing to read "Jim Pokrandt", with a long, sweeping horizontal stroke extending to the right.

Jim Pokrandt
Chair, Colorado Basin Roundtable



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Colorado Water Conservation Board
Water Supply Reserve Fund Grant Application

Instructions

All WSRF grant applications shall conform to the current [2016 WSRF Criteria and Guidelines](#).

To receive funding from the WSRF, a proposed water activity must be approved by a Roundtable(s) **AND** the Colorado Water Conservation Board (CWCB). The process for Roundtable consideration and recommendation is outlined in the 2016 WSRF Criteria and Guidelines. The CWCB meets bimonthly according to the schedule on page 2 of this application.

If you have questions, please contact the current CWCB staff Roundtable liaison:

Arkansas

Ben Wade
ben.wade@state.co.us
303-866-3441 x3238

**Gunnison | North Platte |
South Platte | Yampa/White**

Craig Godbout
craig.godbout@state.co.us
303-866-3441 x3210

**Colorado | Metro | Rio Grande |
Southwest**

Megan Holcomb
megan.holcomb@state.co.us
303-866-3441 x3222

WSRF Submittal Checklist (Required)
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xx	I acknowledge this request was recommended for CWCB approval by the sponsoring roundtable.
xx	I acknowledge I have read and understand the 2016 WSRF Criteria and Guidelines .
xx	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract . ⁽¹⁾
Application Documents	
xx	Exhibit A: Statement of Work ⁽²⁾ (<i>Word – see Template</i>)
xx	Exhibit B: Budget & Schedule ⁽²⁾ (<i>Excel Spreadsheet – see Template</i>)
xx	Letters of Matching and/or Pending 3 rd Party Commitments ⁽²⁾
xx	Map ⁽²⁾
	Photos/Drawings/Reports
xx	Letters of Support
Contracting Documents ⁽³⁾	
xx	Detailed/Itemized Budget ⁽³⁾ (<i>Excel Spreadsheet – see Template</i>)
xx	Certificate of Insurance ⁽⁴⁾ (<i>General, Auto, & Workers' Comp.</i>)
xx	Certificate of Good Standing ⁽⁴⁾
xx	W-9 Form ⁽⁴⁾
	Independent Contractor Form ⁽⁴⁾ (<i>If applicant is individual, not company/organization</i>)
	Electronic Funds Transfer (ETF) Form ⁽⁴⁾

(1) Click "Grant Agreements". For reference only/do not fill out or submit/required for contracting

(2) Required with application if applicable.

(3) Additional documentation providing a Detailed/Itemized Budget maybe required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.

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



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Schedule		
CWCB Meeting	Application Submittal Dates	Type of Request
January	December 1	Basin Account; BIP
March	February 1	Basin/Statewide Account; BIP
May	April 1	Basin Account; BIP
July	June 1	Basin Account; BIP
September	August 1	Basin/Statewide Account; BIP
November	October 1	Basin Account/BIP

Desired Timeline	
Desired CWCB Hearing Month:	May 2019
Desired Notice to Proceed Date:	July 15, 2019 (or asap).

Water Activity Summary		
Name of Applicant	Trout Unlimited and the Blue River Watershed Group.	
Name of Water Activity	Blue River Integrated Water Mgt. Plan.	
Approving Roundtable(s)	Basin Account Request(s) ⁽¹⁾	
Colorado Basin Roundtable.	\$17,110.00	
Basin Account Request Subtotal	\$ 17,110.00	
Statewide Account Request ⁽¹⁾	\$ 0.00	
Total WSRF Funds Requested (Basin & Statewide)	\$ 17,110.00	
Total Project Costs	\$ 253,639.00	

(1) Please indicate the amount recommended for approval by the Roundtable(s)



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Grantee and Applicant 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
Grantee's Organization Contact ⁽¹⁾	Richard Van Gytenbeek
Position/Title	Colorado River Basin Outreach Coordinator
Email	r.vangytenbeek@tu.org
Phone	307-690-1267
Grant Management Contact ⁽²⁾	Same as above.
Position/Title	
Email	
Phone	
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	

(1) Person with signatory authority

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

Description of Grantee
Provide a brief description of the grantee's organization (100 words or less).
<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: are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
xx	Non-governmental organizations: broadly, any organization that is not part of the government
	Covered Entity: as defined in Section 37-60-126 Colorado Revised Statutes

Type of Water Activity (check one)	
xx	Study
	Implementation

Category of Water Activity (check all that apply)		
xx	Nonconsumptive (Environmental)	
xx	Nonconsumptive (Recreational)	
xx	Agricultural	
xx	Municipal/Industrial	
xx	Needs Assessment	
xx	Education & Outreach	
	Other	Explain:

Location of Water Activity	
Please provide the general county and coordinates of the proposed activity 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)



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Water Activity Overview

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

Project Overview.

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.

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.

Measurable Results

To catalog measurable results achieved with WSRF funds please provide any of the following values.

	New Storage Created (acre-feet)	
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
	Existing Storage Preserved or Enhanced (acre-feet)	
102600 LF (approx.. 19 miles)	Length of Stream Restored or Protected (linear feet)	
15,840 LF (approx.. 3 miles)	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
	Length of Pipe/Canal Built or Improved	
	Other	Explain:



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Water Activity Justification

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

For applications that include a request for funds from the Statewide Account, the proposed water activity shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan criteria for state support (CWP, Section 9.4, pp. 9-43 to 9-44;) (Also listed pp. 4-5 in [2016 WSRF Criteria and Guidelines](#)).

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.



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Water Activity Justification

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 effort initiated by the Blue River 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).



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Water Activity Justification

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***



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Water Activity Justification

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)."***

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)."



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Water Activity Justification

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.

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



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Water Activity Justification

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.

(1) Access Basin Implementation Plans or Education Action Plans from Basin drop down menu.

Matching Requirements: Basin Account Requests

Basin (only) Account grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3rd party and shall be accompanied by a **letter of commitment** as described in the 2016 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary.

Contributing Entity	Amount and Form of Match (note cash or in-kind)
Town of Silverthorne	\$ 15,000.00 (cash)



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Matching Requirements: Basin Account Requests	
Blue Valley Ranch	\$ 12,000.00 (cash)
Summit County Water Quality Committee (via NWCOG)	\$ 2,500.00 (cash)
Summit County	\$ 2,500.00 (cash)
TU and BRWG Staff Time (.35 FTE for 18 mo. grant period)	\$ 31,710.00 (In-kind)
Total Match	\$ 63,710.00
If you requested a Waiver to the Basin Account matching requirements, indicate the percentage you wish waived.	

Matching Requirements: Statewide Account Requests	
Statewide Account grant requests require a 50% match as described in the 2016 WSRF Criteria and Guidelines. A minimum of 10% match shall be from Basin Account funds (cash only). A minimum of 10% match shall be provided by the applicant or 3rd party (cash, in-kind, or combination). The remaining 30% of the required match may be provided from any other source (Basin, applicant, or 3 rd party) and shall be accompanied by a letter of commitment . Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind):
Total Match	\$
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	

Related Studies



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Related Studies

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.

Previous CWCB Grants

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

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.

Tax Payer Bill of Rights

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

No Tabor issues will affect this application.

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Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	February 8, 2019
Water Activity Name:	Blue River Integrated Water Management Plan
Grant Recipient:	Trout Unlimited
Funding Source:	WSRF Basin Account (Colorado Basin Roundtable)
Water Activity Overview: (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for.	
<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.</p> <p>WSRF funding will support activities that complete the tasks and deliverables outlined later in this document, including: consultant costs for watershed data inventory and analysis; fishery-related studies (including macroinvertebrate sampling, streambed assessments, water quality, and flow regimes); and stakeholder education and outreach (including hired facilitation and associated costs).</p>	
Objectives: (List the objectives of the project)	
<p>There are two project objectives within Phase One of the Blue River IWMP. Beginning in May of 2018, these objectives have evolved through numerous stakeholder meetings with local municipalities, Summit County, state agency personnel, federal agency personnel, Front Range water providers, local AG producers, recreation and ski industries, and other community groups and individuals. We believe that these two objectives will provide the foundation for on-the-ground projects and innovative water management techniques that will be identified in Phase Two.</p> <p><u>Objective 1.</u> To understand the potential causes of the declining fishery between Dillon and Green Mountain reservoirs and determine whether (and how) the decline can be reversed or mitigated.</p>	



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Objective 2. To compile, review and integrate existing basin studies, plans and other information regarding physical and biological aspects of the Blue River basin water resources for the purpose of formulating objectives and goals that will guide future water management decisions in Phase Two.

Tasks
Provide a detailed description of each task using the following format:
<u>Task 1 – Stakeholder Outreach and Advisory Committee Development</u>
Description of Task:
Identify stakeholders and form an Advisory Committee to provide input and guidance on the BR-IWMP Phase One objectives and goals, as well as the development of the Phase 2 plan. The Stakeholder Advisory Committee (SAC) will include representatives from the environmental community, water managers and municipalities, recreational community non-consumptive uses (i.e. boating and angling), recreational community consumptive uses (i.e. skiing and golf), the agricultural community, and local, State and Federal agencies. The SAC will guide and inform the identification of concerns and important issues, goals and objectives, and analyses and studies that will be completed as part of the BR-IWMP Phase One process. The group will also work with the hired consultant to identify a sustainable framework for long-term monitoring and the development of a community driven plan that will be carried forward in Phase Two.
Method/Procedure:
<p>The BRWG and TU have already initiated the outreach process by identifying stakeholders and contacting key personal during the development of the scope of work for the BR-IWMP. Both groups completed a “stakeholder outreach and planning training” with the River Network and the Cross-watershed Network that will further enhance the actions and results of Task 1.</p> <p>Through the early stakeholder outreach and identification process, TU and BRWG have developed an initial core advisory team that will guide the larger stakeholder outreach process (described in the methods and deliverables below). This group includes representatives from Trout Unlimited, the Blue River Watershed Group, Summit County Water Quality Commission, Summit County Parks and Open Space, Summit County Commissioners, local municipalities (Town of Silverthorne, Dillon, Breckenridge, and Frisco), local agricultural entities (Friends of the</p>



Last Update: January 9, 2018

Tasks
<p>Lower Blue River and Blue Valley Ranch), the Blue River Enhancement Working Group, and the local water commissioner. This team will provide resources and leadership to complete the following sub-tasks:</p> <ol style="list-style-type: none">1) The Stakeholder Advisory Committee (SAC) will meet (6) times during the grant period.2) The first SAC meeting will be organizational and will provide input into the hiring process of a professional facilitator. After this meeting, Project Staff will (with the help of the facilitator) organize (3) community outreach meetings to be held in Breckenridge (upper Blue), Silverthorne (middle Blue), and Kremmling (lower Blue). The hired facilitator (Facilitator) will 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. The group will work with the facilitator and project consultant to develop outreach materials and information for the public.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.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
<p>At the conclusion of this task, the project team can expect the following outcomes:</p> <ol style="list-style-type: none">1) Three community meetings held throughout the Blue River Watershed.2) Six BRIWMP Stakeholder Advisory Committee Meetings held over 18 months3) Consultant reports and other materials generated for and during the community meetings and outreach efforts
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)



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Tasks

Upon completion of the BR-IWMP Phase one project, the project team will provide the CWCB with the following deliverables related to Task 1:

- 1) 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.
- 2) Meeting minutes from SAC (if requested by CWCB)

Tasks

Provide a detailed description of each task using the following format:

Task 2 – Assess declining fishery between Dillon Reservoir and Green Mountain Reservoir

Description of Task:

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.

Therefore, Task 2 will utilize the following methods to help the Blue River Enhancement Working Group and local stakeholders to research and identify the potential causes of the declining fishery.

Method/Procedure:

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

The purpose of Task 2 is to expand on the 2013 study footprint/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 was 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):

- 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 will begin 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 seven additional temperature monitoring sites, three upstream of Dillon Reservoir in Reach 1 (on the Snake, Blue and Tenmile Creeks, three in Reach 2 to provide additional sites closer to Green Mountain, and one downstream of Green Mountain Reservoir in Reach 3. These sites will 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).
- 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.

Grantee Deliverable: (Describe the deliverable the grantee expects from this task)

The project team expects the following deliverables at the conclusion of the BR-IWMP Phase One process:

- 1) Consultant will provide 3 study updates to the Stakeholder 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



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Tasks
<p>possible, make preliminary conclusions on the reasons for the declining fishery for consideration at SAC meeting 6. This information will be used by the committee to help inform goals and objectives in Phase Two.</p> <p>3) Consultant will provide a final report at the conclusion of the 18 month study.</p> <p>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.</p>
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
<p>Upon conclusion of the BR-IWMP Phase One process, the project team will make the following deliverables available to the CWCB:</p> <p>1) Summary of findings from consultant and BREW workgroup; 2) Specific study reports (and raw data if requested by the CWCB); 3) Reports and studies developed by the consultant and BREW team will be made available on the CRBT and CMU Colorado Headwaters Sub-Region resource page of the online library.</p>

Tasks
Provide a detailed description of each task using the following format:
<u>Task 3 – Compile and review existing available data, information and studies</u>
Description of Task:
<p>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 Stakeholder Advisory Committee and considered at committee meetings in the same method and format as Task 2.</p>
Method/Procedure:



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Tasks
<p>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:</p> <ol style="list-style-type: none">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 Reservoir. 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.
<p>Grantee Deliverable: (Describe the deliverable the grantee expects from this task)</p> <p>Upon the conclusion of the BR-IWMP Phase One process, the project team can expect to see the following outcomes:</p> <ol style="list-style-type: none">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 Stakeholder Advisory Committee, the Consultant will prepare a final report that 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.
<p>CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)</p> <p>The following deliverables will be made to the CWCB:</p> <ol style="list-style-type: none">1) The periodic and final reports provided to the Stakeholder 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.2) Studies and reports identified through Task 3 will be uploaded into the Colorado River Headwaters Sub-Region resource page managed by Colorado Mesa University (this



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Tasks
process will help fulfill goals of the CRBT BIP)

Tasks
Provide a detailed description of each task using the following format:
Task 4 – Develop BRIWMP Goals and Objectives for Phase 2
Description of Task: <p>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 Stakeholder 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.</p>
Method/Procedure: <p>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.</p> <p>Work completed prior to Task 4.</p> <ol style="list-style-type: none">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. <p>Once all prior work is complete, Project Staff and Consultant will:</p>



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Tasks

- 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.

Grantee Deliverable: (Describe the deliverable the grantee expects from this task)

Based on the methods described above, the project team will develop the following deliverables:

- 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.

CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)

The following three deliverables (also referenced above) 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

Exhibit B - Budget and Schedule: 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. A separate excel formatted Budget is required for engineering costs to include rate and unit costs.

Reporting Requirements

Progress Reports: The grantee shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major



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Reporting Requirements

issues that have occurred and any corrective action taken to address these issues. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.

Final Report: At completion of the project, the grantee shall provide the CWCB a Final Report on the grantee'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.

Payments

Payment will be made based on actual expenditures, must include invoices for all work completed and must be on grantee's letterhead. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the water activity and purchase order or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to CWCB within 90 days of the expiration of a purchase order or contract may be denied consideration for future funding of any type from CWCB.

Performance Requirements

Performance measures for this contract shall include the following:

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

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

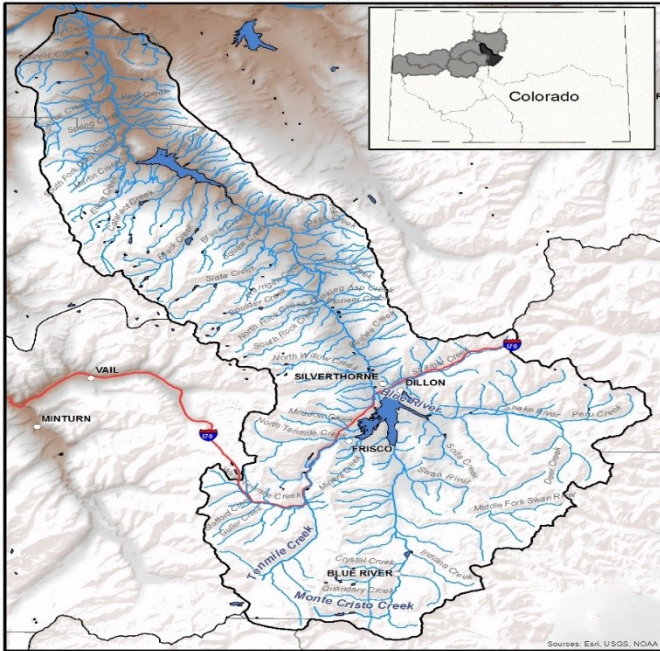
(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

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

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

Trout Unlimited and Blue River Watershed Group

<p>(1) The single task that include costs for Grant Administration must provide a labor breakdown (see Indirect Costs tab below) where the total WSRF Grant contribution towards that task does not exceed 15% of the total WSRF Grant amount.</p>
<p>(2) Start Date for funding under \$100K - 45 Days from Board Approval; Start Date for funding over \$100K - 90 Days from Board Approval.</p>
<p>(3) Round values up to the nearest hundred dollars.</p>
<ul style="list-style-type: none"> • Additional documentation providing a Detailed/Itemized Budget may be required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.
<ul style="list-style-type: none"> • Reimbursement eligibility commences upon the grantee's receipt of a Notice to Proceed (NTP)
<ul style="list-style-type: none"> • NTP will not be accepted as a start date. Project activities may commence as soon as the grantee enters contract and receives formal signed State Agreement.
<p>The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of the CWCB staff project manager. Once the Final Report has been accepted, the final payment has been issued, the water activity and purchase order (PO) or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to the CWCB with 90 days of the expiration of the PO or contract may be denied consideration for future funding of any type from the CWCB.</p>
<ul style="list-style-type: none"> • Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution
<ul style="list-style-type: none"> • Standard contracting procedures dictate that the Expiration Date of the contract shall be 5 years from the Effective Date.



Blue River Integrated Water Mgt. Plan

Cash Contributions (32K Total)

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>

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

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/>

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Grand Junction, CO 81501

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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

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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>
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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

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