

**Water Supply Reserve Fund
Water Activity Summary Sheet
September 18, 2019
Agenda Item 9(i)**

Applicant & Grantee: Trout Unlimited

Water Activity Name: Granby Diversion Structure Improvement

Water Activity Purpose: Env, Rec, & Agricultural Implementation

County: Grand

Drainage Basin: Colorado

Water Source: Fraser River

Amount Requested: \$50,000 Colorado Basin Account
\$162,404 Statewide Account
\$212,404 Total Request

Matching Funds: Basin Account Match = \$50,000

- 31% of statewide request (meets 10% min)

Applicant Match (in-kind) = \$113,350

- 70% of the statewide request (meets 10% min)

Total Match (Basin & Applicant) = \$163,350

- 100% of the statewide request (meets 50% min)
- 50% of the total project cost of \$325,754

Staff Recommendation:
Staff recommends approval of up to \$50,000 from the Colorado Basin Account and up to \$162,404 from the Statewide Account to help fund the project: Granby Diversion Structure Improvement.

Water Activity Summary: This project aims to improve the Granby Diversion structure to provide for fish and non-motorized boating passage while improving municipal and agricultural diversions. The Granby Diversion is an 80-foot-wide, 3.5-foot-high boulder structure that spans the Fraser River and currently interferes with fish passage and boating. Trout Unlimited, in partnership with the Town of Granby, Grand County, US Fish and Wildlife Service (USFWS), and Colorado Parks and Wildlife (CPW) propose improvements to the diversion structure that will work together with the larger Windy Gap Bypass project to reconnect the aquatic habitat of the Colorado and Fraser Rivers. It will also provide a recreational amenity in the heart of Granby, Colorado. Design, engineering, and permitting for the Granby Diversion Improvement project is currently being conducted through grant support from the US Fish and Wildlife Service. WSRF funding will contribute to construction costs.

Discussion: As described in the Colorado Basin Roundtable (BRT) chair's recommendation letter, this project was unanimously supported and recommended for approval by the roundtable on July 22, 2019. This project is an exemplary effort of statewide importance and carries the support of Northern Water and Denver Water, to improve the Fraser and Colorado rivers, as noted in the Colorado Roundtable Chair letter and letters of support. This project meets several primary Colorado Basin

Implementation Plan goals to “Protect and Restore Healthy Streams, Rivers, Lakes and Riparian Areas,” to “Sustain Agriculture,” and has been identified as a top priority IPP by the Colorado BRT.

Issues/Additional Needs: None

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-Kind</u>	<u>Total</u>
Northern Colorado Water Conservancy District, Municipal Subdistrict; Grand County; Town of Granby	\$0	\$113,350	\$113,350
WSRF Statewide Account	\$164,404	n/a	\$164,404
WSRF Colorado Basin Account	\$50,000	n/a	\$50,000
Totals	\$212,404	\$113,350	\$325,754

CWCB Project Manager: Megan Holcomb

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

July 25, 2019

Megan Holcomb
Colorado Water Conservation Board
Water Supply Planning Section
1313 Sherman Street
Denver CO

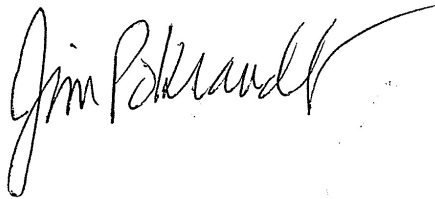
Dear Megan:

The Colorado Basin Roundtable voted unanimously at its July 22, 2019 meeting to support the Granby Diversion Structure Improvement grant requests to the CBRT WSRF Basin Account and the Statewide Account in the amounts of \$50,000 and \$162,404, respectively.

Trout Unlimited, in partnership with the Town of Granby, Grand County, USFWS and CPW propose to improve the Granby Diversion structure to provide for fish and non-motorized boating passage while improving municipal and agricultural diversions. This project is of regional importance and carries the support of Northern Water and Denver Water. It, along with the planned Windy Gap Bypass, is a systematic program to improve the Fraser and Colorado rivers. For all these reasons, it qualifies for a Statewide ask.

The CBRT is always looking to support projects that improve diversions for water users while also benefitting the environment and recreation. It is our sweet spot. The Granby Diversion hits the mark, and thus comports with our Basin Implementation Plan and Colorado's Water Plan.

Sincerely yours,

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

Jim Pokrandt
Chair, Colorado Basin Roundtable



Last Update: July 31, 2018

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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X	I acknowledge this request was recommended for CWCB approval by the sponsoring roundtable.
X	I acknowledge I have read and understand the 2016 WSRF Criteria and Guidelines .
X	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract . ⁽¹⁾
Application Documents	
X	Exhibit A: Statement of Work ⁽²⁾ (<i>Word – see Template</i>)
X	Exhibit B: Budget & Schedule ⁽²⁾ (<i>Excel Spreadsheet – see Template</i>)
X	Letters of Matching and/or Pending 3 rd Party Commitments ⁽²⁾
X	Map ⁽²⁾
X	Photos/Drawings/Reports
X	Letters of Support
Contracting Documents⁽³⁾	
	Detailed/Itemized Budget ⁽³⁾ (<i>Excel Spreadsheet – see Template</i>)
	Certificate of Insurance ⁽⁴⁾ (<i>General, Auto, & Workers' Comp.</i>)
	Certificate of Good Standing ⁽⁴⁾
	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:	September
Desired Notice to Proceed Date:	As soon as possible thereafter

Water Activity Summary		
Name of Applicant	Trout Unlimited	
Name of Water Activity	Granby Diversion Structure Improvement	
Approving Roundtable(s)		Basin Account Request(s) ⁽¹⁾
Colorado River		Colorado River
Basin Account Request Subtotal		\$ 50,000.00
Statewide Account Request ⁽¹⁾		\$ 162,404.00
Total WSRF Funds Requested (Basin & Statewide)		\$ 212,404.00
Total Project Costs		\$ 325,754.00

(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
Mailing Address	1777 N. Kent Street, Arlington, VA 22209
FEIN	38-1612715
Grantee's Organization Contact ⁽¹⁾	Scott Yates
Position/Title	Director - Western Water and Habitat Program
Email	syates@tu.org
Phone	307-349-0753
Grant Management Contact ⁽²⁾	Mely Whiting
Position/Title	Colorado Water Project Legal Counsel
Email	mwhiting@tu.org
Phone	720-470-4758
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>Trout Unlimited is a national, non-profit organization with over 150,000 members nationwide, approximately 12,000 members in Colorado. Our volunteers and staff engage in partnerships and stakeholder driven efforts with the goal of conserving, protecting, and restoring cold water fisheries and their habitat in a cooperative, constructive setting.</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.
X	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)	
	Study
X	Implementation

Category of Water Activity (check all that apply)		
X	Nonconsumptive (Environmental)	
X	Nonconsumptive (Recreational)	
X	Agricultural	
X	Municipal/Industrial	
	Needs Assessment	
	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/Counties	Grand County
Latitude	40.08
Longitude	-105.93



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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.

Trout Unlimited, in partnership with the Town of Granby, Grand County, USFWS, and CPW propose to improve the Granby Diversion structure to provide for fish and non-motorized boating passage while improving municipal and agricultural diversions. The Granby Diversion is an 80-foot-wide, 3.5-foot-high boulder structure that spans the Fraser River and currently interferes with fish passage and boating. Improvements to the diversion structure will work together with the larger Windy Gap Bypass project to reconnect the aquatic habitat of the Colorado and Fraser Rivers. It will also provide a recreational amenity in the heart of Granby, Colorado. Design, engineering and permitting for the Granby Diversion Improvement project is currently being conducted thanks to a grant from the USFWS. WSRF funding is being requested for construction.

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)		
400 feet directly worked on; 20 miles of benefit	Length of Stream Restored or Protected (linear feet)		
	Efficiency Savings (indicate acre-feet/year OR dollars/year)		
	Area of Restored or Preserved Habitat (acres)		
	Length of Pipe/Canal Built or Improved		
	<table><tr><td>Other</td><td>Explain: Habitat connectivity created by the creation of a fish passable diversion structure will benefit over 20 miles of aquatic habitat in Fraser River and its tributaries; Boating passage will allow boating recreation through the Town of Granby.</td></tr></table>	Other	Explain: Habitat connectivity created by the creation of a fish passable diversion structure will benefit over 20 miles of aquatic habitat in Fraser River and its tributaries; Boating passage will allow boating recreation through the Town of Granby.
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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](#)).

Improvement of the Granby Diversion structure is part of the larger effort to reconnect the Colorado and Fraser Rivers for the benefit of aquatic life, including the Gold Medal trout fishery downstream of Windy Gap Reservoir. An on-channel reservoir, Windy Gap interferes with the movement of fish and macroinvertebrates and with sediment transport and has been identified by CPW as the primary reason for the disappearance of the giant stonefly and native mottled sculpin downstream of the reservoir. An effort to construct a channel around Windy Gap reservoir is ongoing. Plans for the Windy Gap Bypass (aka Colorado River Connectivity Channel) also call for the improvement of the Granby Diversion structure, located approximately four miles upstream of the reservoir, to facilitate movement of fish and macroinvertebrates up and downstream from the Colorado River. *Final Report Windy Gap Reservoir Modification Study (Tetra Tech February 2015)*.

Thanks to a grant from the USFWS, design and engineering for the Granby Diversion structure is proceeding ahead of the Bypass project, which is currently undergoing federal environmental assessments and permitting. Both the Granby Diversion Improvement project partners and the Bypass project partners are supportive of this portion of the project moving forward.

The Granby Diversion Improvement project supports the goals of the Colorado Water Plan, SWSI and Colorado River Basin Roundtable BIP. The project will serve multiple-uses. In addition to improving aquatic habitat and recreational boating, it will improve an outdated diversion structure to more efficiently deliver water for agricultural and municipal uses. By helping prevent the potential loss of a Gold Medal trout fishery and improving recreational boating passage, the project implements the BIP's Basinwide Theme 1 – Protect and Restore Healthy Streams, Rivers, Lakes and Riparian Areas (BIP Section 2 at p.44). The project will improve habitat conditions in a stream reach identified by the Colorado BRT as high priority due to its significant degradation by water development, thus meeting the BIP's identified measurable outcomes (BIP Section 2, Table 3 at p. 47). As part of the Windy Gap Bypass, the project has been identified as a top priority IPP by the BRT (BIP Section 3, Table 11 at p. 91; BIP Section 4, Table 18 at p. 129). Improvement of the Granby Diversion Structure is specifically identified as a restoration opportunity in the Grand County Stream Management Plan (GCSMP, Table ES-4, at p. ES-24).

Not only does the project implement top priorities identified by the Colorado River BRT and the Grand County Stream Management Plan, it reflects the spirit of collaboration that is the foundation of the Colorado Water Plan. After years of conflict, the Bypass partners came together to restore the aquatic habitat of the Fraser and Colorado Rivers. The Granby Diversion Improvement project is part of that effort, drawing the Town of Granby and the USFWS as part of the effort.



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(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 3 rd 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)
N/A	
Total Match	\$
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 3 rd 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):
Northern Colorado Water Conservancy District, Municipal Subdistrict; Grand County; Town of Granby	\$113,350 (in-kind)
Total Match	\$113,350 (in-kind)
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	



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Related Studies

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

Colorado River Aquatic Resources Investigations, Federal Aid Project F-237R-18; R. Barry Nehring (June 2011)

USFWS City of Granby Diversion, Assessment and Concepts; William Rice, P.E. (October 15, 2018)

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

Stream Restoration-SMP	CTGG12020-032	\$126,819	7/1/2019	12/31/2021	Town of Silverthorne, Blue Valley Ranch, Summit Co., SCWQ.	\$32,000	TU, Blue River Watershed Group	\$31,710	\$253,639
CWP-Environment/Recreation	CTGG12020-032	\$30,000	7/1/2019	12/31/2021					
CWP-Engagement/Innovation	CTGG12020-032	\$16,000	7/1/2019	12/31/2021					
WSRF-CBRT Basin Funds	CTGG12020-032	\$17,110	7/1/2019	12/31/2021					
	not executed yet	\$77,389	TBD	TBD					
	CTGG1 2018-902	\$75,000	5/4/2018	10/31/2022					
	CTGG1 2018-901	\$34,500	5/4/2018	10/31/2022					
	CTGG1 2018-298	\$364,711	1/4/2018	9/1/2022	BOR. Gypsum, FWS, CPW, oth	\$549,700	Buckhorn, TU, CPW	\$74,700	\$1,341,650
WSRF-CBRT Basin Funds and State Funds (50/50)	POGG1 2017-0749	\$63,500	2/14/2017	12/31/2018	CPW-Fishing is Fun (FWS funding \$78,500), CPW-Cash (\$8,500), TU-Cash (\$4880)	\$91,880	TU	\$19,550	\$174,930
	CTGG1 2017-0667	\$465,400	11/29/2016	9/30/2021	Irrigators	\$465,400			\$990,800
WSRF-CBRT	POGG1 2016-0900	\$30,000	5/18/2016	1/31/2017					\$30,000
CWP-Environment/Recreation	CTGG1 2019-2233	\$325,237	12/3/201	11/30/2023	NRCS, Northern, CWCB constr	\$1,803,910			\$2,129,147
WSRF-SWBRT and Watershed	POGG1 2016-0800	\$96,413	3/22/2016	5/31/2021	SWCD	\$20,138	TU, San Miguel Watershed	\$12,000	\$128,551
	POGG1 2015-0286	\$30,000	6/10/2015	10/31/2016					
	CTGG1 2015-3313	\$113,000	6/9/2015	5/31/2016	River Ranch	\$70,000			\$183,000
	CTGG1 2015-2791	\$148,500	1/27/2015	6/1/2018					
	POGG1 2016-0610	\$15,000	1/8/2015	5/31/2017					
	POGG1 2015-0175	\$10,000	11/14/2014	10/31/2016					
	POGG1 2015-0161	\$6,000	10/10/2014	12/31/2014					

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.



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

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N/A



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Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	July 1, 2019
Water Activity Name:	Granby Diversion Improvement Project
Grant Recipient:	Trout Unlimited
Funding Source:	
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, in partnership with the Town of Granby, Grand County, USFWS, and CPW propose to improve the Granby Diversion structure to provide for fish and non-motorized boating passage while improving municipal and agricultural diversions. The Granby Diversion is an 80-foot-wide, 3.5-foot-high boulder structure that spans the Fraser River and currently interferes with fish passage and boating. Improvements to the diversion structure will work together with the larger Windy Gap Bypass project to reconnect the aquatic habitat of the Colorado and Fraser Rivers. It will also provide a recreational amenity in the heart of Granby, Colorado. Design, engineering and permitting for the Granby Diversion Improvement project is currently being conducted thanks to a grant from the USFWS. WSRF funding is being requested for construction.</p>	
Objectives: (List the objectives of the project)	
<ul style="list-style-type: none">• Provide fish passage for trout and native species and for non-motorized boating recreation (boating) without interfering with water diversion for municipal and irrigation purposes.• Low maintenance of diversion structure and associated fish passage and boating features.• Resilience during future flood events.• Facilitation of natural stream processes (i.e. sediment transport).• No rise in 100-year floodplain.	
Tasks	
Provide a detailed description of each task using the following format:	
<u>Task 1 - (Name)</u> Permitting	
Description of Task:	
<p>For construction activities, a dewatering permit may be necessary. If water is mechanically moved, i.e. pumps are used, a permit will be necessary.</p> <p>All other permits, including any needed local permits; ACOE agricultural exemption, Nationwide Permit, and/or Regional General permit; and No-Rise Project Floodplain Permit, are being obtained as part of the ongoing design/engineering for the project.</p>	



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Method/Procedure:
If a dewatering permit is needed, will obtain it.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Dewatering permit.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Final report will describe permits obtained.
<u>Task 2 - (Name) Survey</u>
Description of Task:
The construction team will need to lay out the proposed design and obtain as-built survey information for anticipated closeout of the floodplain develop permit and US Army Corps of Engineers permit.
Method/Procedure:
Implement survey
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Survey documents
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Final Report will describe surveying.
<u>Task 3 - (Name) Temporary Dewatering</u>
Description of Task:
The construction team will likely need to temporarily dewater portions of the river's project reach to build components of the fish passage and diversion. This will either be done by coffering the river, pumping, or a combination of both.
Method/Procedure:
Coffering the river, pumping, or a combination of both.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)



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Temporary dewatering if needed to enable construction of fish passage.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Final Report will describe how this task was handled.
<u>Task 4 - (Name)</u> Erosion Control
Description of Task:
Best management practices for erosion control will be employed during and after the project is complete.
Method/Procedure:
Best management practices for erosion control.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Erosion control.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Final Report will include description of how task was accomplished.
<u>Task 5 - (Name)</u> Materials
Description of Task:
Boulders, other rock, soil products and geotextiles will be acquired and delivered to the project site. The rock materials will be used to create a new cross channel diversion structure with shallow sloping, engineered, riffle built downstream.
Method/Procedure:
Acquire and transport construction materials.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Rocks and other materials for construction.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Final Report will include description of how task was accomplished.
<u>Task 6 - (Name)</u> Construction



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Description of Task:
Excavation, placement, and grading of materials and related activities to build the cross-channel diversion and associated downstream riffle.
Method/Procedure:
Excavation, placement, and grading of materials.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Cross-channel diversion and associated downstream rifle per approved final design and engineering.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Final Report will include description of how task was accomplished.
<u>Task 7 - (Name) Revegetation</u>
Description of Task:
Riparian plants will be purchased or harvested and installed along with specific protective measures such as coir mat.
Method/Procedure:
Plant riparian plants along with specific protective measures such as coir mat.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Planted riparian vegetation as planned.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Final Report will include description of how task was accomplished.
<u>Task 8 - (Name) Reclamation</u>
Description of Task:
Areas affected by construction activities will be brought back to original conditions or better,
Method/Procedure:
Reclamation.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)



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Reclaimed area.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Final Report will include description of how task was accomplished.
<u>Task 9 - (Name) Administration</u>
Description of Task:
Oversee project implementation and grant management.
Method/Procedure:
Oversee project implementation and grant management.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Project implementation and grant management.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Final Report will include description of how task was accomplished.
Budget and Schedule
Exhibit B - Budget and Schedule: This Statement of Work shall be accompanied by a combined <u>Budget and Schedule</u> that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format. A separate <u>excel formatted</u> 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 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: <ul style="list-style-type: none">• 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



Last Update: January 9, 2018

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.

**COLORADO**Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board**Water Supply Reserve Fund****EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs****Date: 9/1/2019****Water Activity Name: Granby Diversion Structure Improvement****Grantee Name: Trout Unlimited**

<u>Task No.</u> ⁽¹⁾	<u>Description</u>	<u>Start Date</u> ⁽²⁾	<u>End Date</u>	<u>Matching Funds</u> (cash & in-kind) ⁽³⁾	<u>WSRF Funds</u> (Basin & Statewide combined) ⁽³⁾	<u>Total</u>
1	Permitting	1/15/2020	1/15/2021		\$5,579.17	\$5,579.17
2	Survey	1/15/2020	1/15/2024		\$10,000.00	\$10,000.00
3	Dewatering	1/15/2020	1/15/2024		\$40,836.87	\$40,836.87
4	Erosion Control	1/15/2020	1/15/2024		\$5,579.01	\$5,579.01
5	Materials	1/15/2020	1/15/2024	\$113,350.00	\$12,097.21	\$125,447.21
6	Construction	1/15/2020	1/15/2024		\$84,436.03	\$84,436.03
7	Revegetation	1/15/2020	1/15/2024		\$18,596.70	\$18,596.70
8	Reclamation	1/15/2020	1/15/2024		\$5,579.01	\$5,579.01
9	Administration	1/15/2020	1/15/2024		\$29,700.00	\$29,700.00
						\$0.00
						\$0.00
						\$0.00
						\$0.00
Total				\$113,350.00	\$212,404.00	\$325,754.00

(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.

(2) Start Date for funding under \$100K - 45 Days from Board Approval; Start Date for funding over \$100K - 90 Days from Board Approval.

(3) Round values up to the nearest hundred dollars.

• 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.

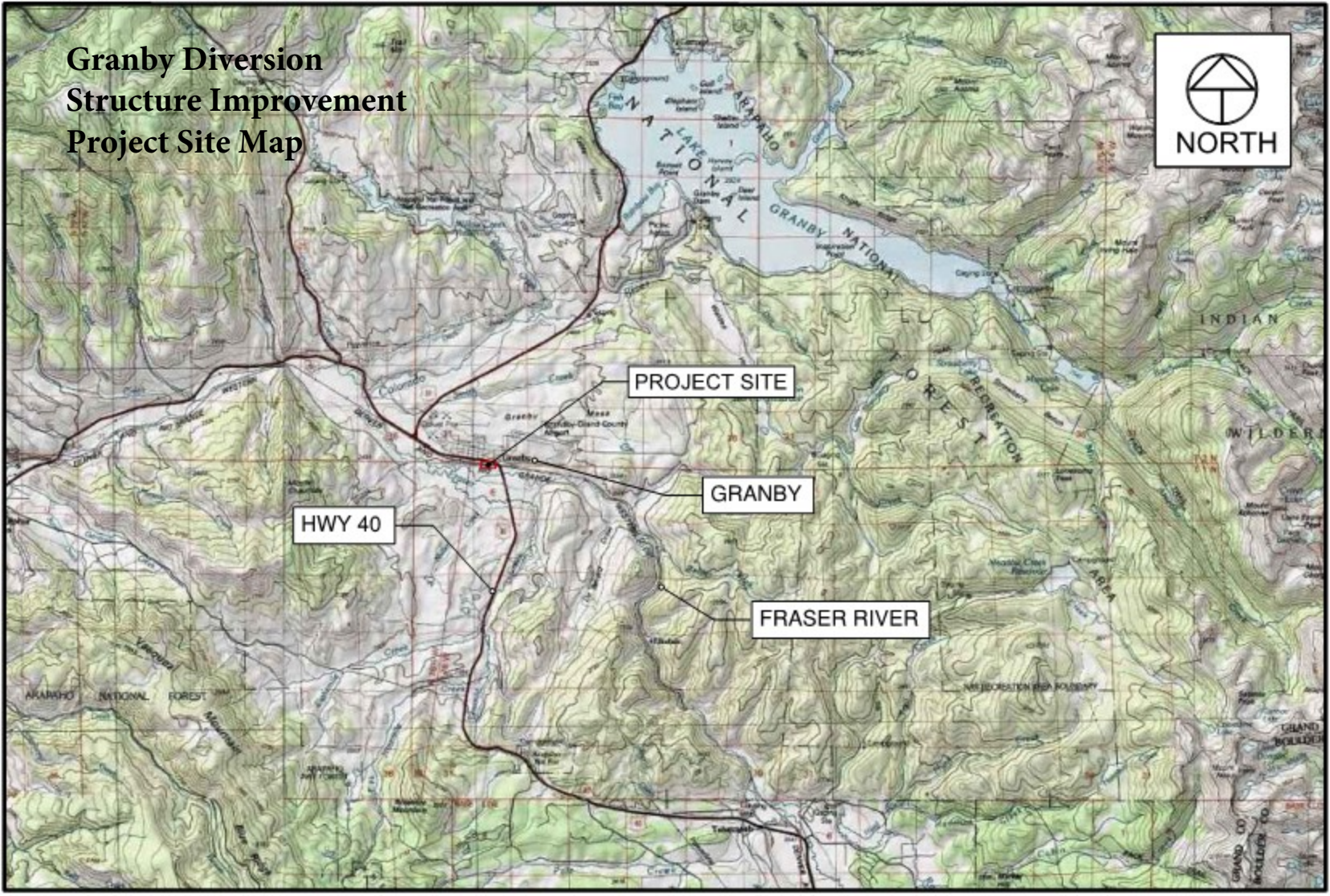
• Reimbursement eligibility commences upon the grantee's receipt of a Notice to Proceed (NTP)

• 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.

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.

- Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution
- Standard contracting procedures dictate that the Expiration Date of the contract shall be 5 years from the Effective Date.

Granby Diversion Structure Improvement Project Site Map



Granby Diversion Improvement Project – Photos



Figure 1 – Improvement of the Granby Diversion Structure to enable fish passage is part of the plan to reconnect the Colorado River downstream of Windy Gap Reservoir with the Fraser River and its fish populations including native mottled sculpin.



Figure 2. Granby Diversion Dam is a fish and boating barrier.

LEARNING BY DOING

July 24, 2019

Jim Pokrandt, Chair
Colorado River Basin Roundtable
Via email: jpokrandt@crwcd.org

Megan Holcomb, CRBRT Representative
Colorado Water Conservation Board
Via email: megan.holcomb@state.co.us

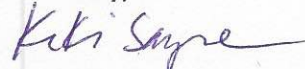
Dear Mr. Pokrandt and Ms. Holcomb,

On behalf of the 40-plus strong Learning By Doing Cooperative Effort (LBD) partners, the LBD Management Committee would like to express our strong support of Trout Unlimited's application to the Water Supply Reserve Fund and Statewide Account to fund the Granby Diversion Structure Improvement Project.

This project fully aligns with LBD's overall goal, which is to maintain, and where reasonably possible, restore and enhance the health of Grand County's aquatic environment. The \$50,000 in WSRF funds and \$162,403.84 from the Statewide Account would allow removal of this barrier to fish passage, which is an important element in the larger project of reconnecting the Colorado and Fraser rivers. It would yield benefits all the way up the Fraser River Basin, including where LBD completed a stream restoration project at Fraser Flats.

Thank you for considering funding the much-needed Granby Diversion Structure Improvement Project.

Sincerely,



Kiki Sayre, LBD Project Coordinator (for the LBD Management Committee)

Learning By Doing Management Committee:

Paula Daukas, Denver Water
Lori Martin, Colorado Parks & Wildlife
Jason Turner, Colorado River Water Conservation District
Ed Moyer, Grand County
Kent Whitmer, Middle Park Water Conservancy District
Jeff Drager, Northern Water
Mely Whiting, Trout Unlimited

A new approach to managing aquatic resources

www.grandcountylearningbydoing.org



July 17, 2019

Mr. Jim Pokrandt, Chair
Colorado River Basin Roundtable
Via email: jpokrandt@crwcd.org

Ms. Megan Holcomb, CBRBT Representative
Colorado Water Conservation Board
Via email: megan.holcomb@state.co.us

RE: Letter of Support: Granby Diversion Structure Improvement Project

Dear Mr. Pokrandt and Ms. Holcomb:

Northern Water's Municipal Subdistrict submits this letter in support of the Trout Unlimited Water Supply Reserve Fund Grant Application to the Basin Account (\$50,000) and Statewide Account (\$162,403.84) for construction of the Granby Diversion Structure Improvement Project.

This project and the Colorado River's Connectivity Channel (aka Windy Gap Bypass) will eliminate existing fish barriers and reconnect the Colorado and Fraser rivers. The Municipal Subdistrict and its parent district, Northern Water, have agreed to provide construction materials out of its rock quarry in Grand County to help minimize project costs.

Thank you for considering support for this important project.

Sincerely,

Jeff Drager
Director of Engineering
Northern Water



Colorado Water Conservation Board
Attn. Megan Holcomb, CRBRT Representative
Via email: megan.holcomb@state.co.us

July 19, 2019

Re: Granby Diversion Structure Improvement

Dear Ms. Holcomb,

The Town of Granby would like to voice our strong support of the Granby Diversion Structure Improvement project. The project will not only improve the health of the stream and the fishery, but it will also greatly improve the municipal water diversions and recreation for the Town and our citizens. A healthy Fraser river is critical to the Town as it has direct impact on our economy. We would like to thank you in advance for supporting the Granby Diversion Structure Improvement.

Regards,

Aaron Blair, Town Manager

Town of Granby
Zero Jasper Avenue
PO Box 440 Granby, CO 80446
O: 970.887.2501 ext 202



BOARD OF COMMISSIONERS

RICHARD D. CIMINO

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MERRIT S. LINKE

District II, Granby 80446

KRISTEN MANGUSO

District III, Kremmling 80459

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PHONE: 970/725-3100

Fax: 970/725-0565

KATHERINE MCINTIRE

County Manager

CHRISTOPHER LEAHY

County Attorney

July 9, 2019

Colorado River Basin Roundtable

Attn: Mr. Jim Pokrandt, Chair

Via email: jpokrandt@crwcd.org

Colorado Water Conservation Board

Attn: Ms. Megan Holcomb, CRBRT Representative

Via email: megan.holcomb@state.co.us

RE: Letter of Support: Granby Diversion Structure Improvement Project

Dear Mr. Pokrandt and Ms. Holcomb,

Please accept this letter of support for the Trout Unlimited (TU) - Water Supply Reserve Fund Grant Application to the Basin Account (\$50,000) and Statewide Account (\$162,403.84) for the construction of the Granby Diversion Structure Improvement Project.

As you know, Trout Unlimited, Municipal Subdistrict-Northern Water, Grand County and many partners are diligently working on the Colorado River Headwaters Connectivity Project (aka Windy Gap Bypass). As part of that effort, the Granby Diversion Structure was identified as an upstream fish barrier to reconnecting the Colorado River with the Fraser River, above the Town of Granby and the Fraser Valley headwaters. When improved, the Granby Diversion will not only provide critical fish passage, but will also accommodate important agricultural and municipal diversions, and recreational benefits.

Thank you for your support and funding of this important project.

Sincerely,

Richard Cimino
Commissioner Chair

Kristen Manguso
Commissioner

Merrit Linke
Commissioner