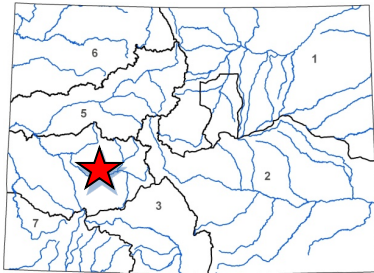




Water Plan Grant Application

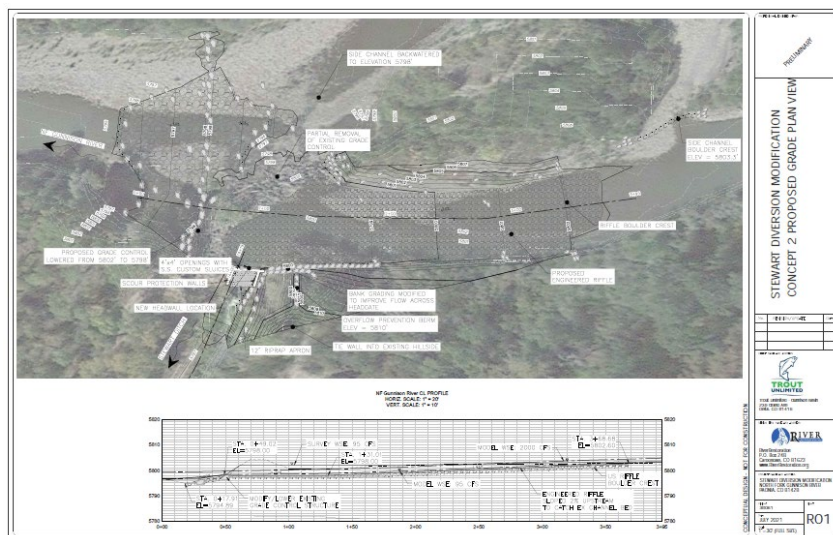


L O C A T I O N	
County/Countries:	Delta
Drainage Basin:	Gunnison

D E T A I L S	
Total Project Cost:	\$732,935
Water Plan Grant Request:	\$170,000
Recommended amount:	\$169,736
Other CWCB Funding:	\$150,000
Other Funding Amount:	\$461,000
Applicant Match:	\$628,935
Project Type(s): Design, construction and implementation	
Project Category(Categories): Environmental and Recreation	
Measurable Result: 22,704 linear feet of restored stream, 2 acres of restored habitat	

This proposed water activity is the result of a collaborative effort between Stewart Ditch and Reservoir Company (SDRC) and Trout Unlimited (TU) aimed at restoring riparian function and improving water management on the North Fork of the Gunnison. This proposed project will address water needs for agricultural, and recreational users.

The Stewart Ditch diversion is a 1200-foot-long cobble push-up dam and an antiquated headgate. The diversion dam is unstable and requires in-river construction which damages the river and impacts fish habitat and migration. The current orientation of the dam causes erosion on the riverbank opposite the diversion. The height of the dam is a hazard for boaters and recreational users of the North Fork. During low flows, the dam is a barrier for fish trying to navigate to better habitat upstream of the diversion. The canal intake also removes fish and debris from the river which causes maintenance issues for the water users and impacts the populations of fish, including the native bluehead sucker and wild non-native trout. This project will address these issues by replacing the push-up dam with a permanent low-head rock diversion dam and equipping the diversion with new diversion infrastructure, water measurement structures, automation, and a fish/debris screen.



Project objectives include:

1. Completing engineered plans for diversion modification including necessary survey, hydraulic modeling, and stakeholder input.
2. Secure necessary permits and environmental clearances including CDOT access permit, ACOE 404 waiver or permit, Delta County floodplain permit, and NEPA compliance.
3. Construction of diversion dam and intake structures that meet water users needs while also allowing for fish passage and reduced entrainment.
4. Complete monitoring and tuning to ensure project goals are achieved.

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Department of Natural Resources

Colorado Water Conservation Board

Water Plan

Water Project Summary

Name of Applicant	Trout Unlimited_Denver
Name of Water Project	Project-01893 - Stewart Ditch
Grant Request Amount	\$170,000.00
Primary Category	\$170,000.00
<i>Watershed Restoration & Recreation</i>	
Additional Funding Category	
<i>Agricultural Projects</i>	
Total Applicant Match	\$628,935.00
<i>Applicant Cash Match</i>	\$562,935.00
<i>Applicant In-Kind Match</i>	\$66,000.00
Total Other Sources of Funding	\$611,000.00
<i>Stewart Ditch Company</i>	\$6,000.00
<i>Stewart Ditch Company</i>	\$22,000.00
<i>CWCB Watershed Restoration</i>	\$22,000.00
<i>Trout Unlimited</i>	\$3,000.00
<i>Trout Unlimited</i>	\$40,000.00
<i>Western Slope Conservation Center</i>	\$8,000.00
<i>Western Slope Conservation Center</i>	\$2,000.00
<i>US Fish and Wildlife Service</i>	\$68,000.00
<i>Colorado River District</i>	\$200,000.00
<i>CWCB WSRF Gunnison Basin</i>	\$20,000.00
<i>CO Dept. of Ag Stimulus funds</i>	\$70,000.00
<i>CWCB</i>	\$150,000.00
Total Project Cost	\$1,409,935.00

Applicant & Grantee Information

Name of Grantee: Trout Unlimited_Denver
Mailing Address: 2032 Ivanhoe St. Denver CO 80207
FEIN: 381,612,715

Organization Contact: Cary Denison
Position/Title: Email: cdenison@tu.org
Phone: (970) 596-3291

Organization Contact - Alternate: Cary Denison
Position/Title: Email: cdenison@tu.org
Phone: (970) 596-3291

Grant Management Contact: Cary Denison
Position/Title: Email: cdenison@tu.org

Phone: (970) 596-3291

Grant Management Contact - Alternate: Drew Peternell

Position/Title:

Email: dpeternell@tu.org

Phone:

Engineering Contact: Quinn Donnelly

Position/Title: PE

Email: quinn.donnelly@riverrestoration.org

Phone: 9709479568

Description of Grantee/Applicant

No description provided

Type of Eligible Entity

- ☐ Public (Government)
- ☐ Public (District)
- ☐ Public (Municipality)
- ☐ Ditch Company
- ☐ Private Incorporated
- ☐ Private Individual, Partnership, or Sole Proprietor
- ☒ Non-governmental Organization
- ☐ Covered Entity
- ☐ Other

Category of Water Project

- ☒ Agricultural Projects
Developing communications materials that specifically work with and educate the agricultural community on headwater restoration, identifying the state of the science of this type of work to assist agricultural users among others.
- ☐ Conservation & Land Use Planning
Activities and projects that implement long-term strategies for conservation, land use, and drought planning.
- ☐ Engagement & Innovation Activities
Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website.
- ☒ Watershed Restoration & Recreation
Projects that promote watershed health, environmental health, and recreation.
- ☐ Water Storage & Supply
Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.

Location of Water Project

Latitude	38.914510
Longitude	107.544150
Lat Long Flag	Stream location: Coordinates based on general location on stream
Water Source	North Fork of the Gunnison
Basins	Gunnison
Counties	Delta

Water Project Overview

Major Water Use Type	Agricultural
Subcategory	Construction
Scheduled Start Date - Design	8/1/2021
Scheduled Start Date - Construction	8/15/2021

Description

This proposed water activity is the result of a collaborative effort between Stewart Ditch and Reservoir Company (SDRC) and Trout Unlimited (TU) aimed at restoring riparian function and improving water management on the North Fork of the Gunnison. This proposed project will address water needs for agricultural, and recreational users.

The Stewart Ditch diversion is a 1200-foot-long cobble push-up dam and an antiquated headgate. The diversion dam is unstable and requires in-river construction which damages the river and impacts fish habitat and migration. The current orientation of the dam causes erosion on the riverbank opposite the diversion. The height of the dam is a hazard for boaters and recreational users of the North Fork. During low flows, the dam is a barrier for fish trying to navigate to better habitat upstream of the diversion. The canal intake also removes fish and debris from the river which causes maintenance issues for the water users and impacts the populations of fish, including the native bluehead sucker and wild non-native trout.

This project will address these issues by replacing the push-up dam with a permanent low-head rock diversion dam and equipping the diversion with new diversion infrastructure, water measurement structures, automation, and a fish/debris screen.

Measurable Results

	New Storage Created (acre-feet)
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive
	Existing Storage Preserved or Enhanced (acre-feet)
	New Storage Created (acre-feet)
22,704	Length of Stream Restored or Protected (linear feet)
	Efficiency Savings (dollars/year)
	Efficiency Savings (acre-feet/year)
2	Area of Restored or Preserved Habitat (acres)
	Quantity of Water Shared through Alternative Transfer Mechanisms or water sharing agreement (acre-feet)
	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning
	Number of Coloradans Impacted by Engagement Activity

Water Project Justification

The Stewart Ditch Diversion is a 1200-foot-long push-up dam and an antiquated headgate. The rock dam creates a barrier for fish, a hazard for boaters, and water management and maintenance issue for the users of the ditch. At high flow the river breaks through rock and cobble dam and overtops the diversion structure and erodes the north riverbank. The orientation of the river can prove difficult to navigate for boaters and can hazard to boaters during high flows. During low flow, the dam is a barrier to fish, including native fish, that are trying to navigate upstream. The canal intake removes fish and debris from the river which cause maintenance issues for water users on the ditch, decreases populations of native fish, and impacts recreation.

This infrastructure and river restoration improvement project will address multiple water needs including

agricultural, recreation and environmental. On page 4 of the first chapter of the water plan, the need for – “implementing projects and methods that take into account potential multiple beneficiaries, potential multiple uses, and the effects on river systems on which all Coloradans rely” is clearly stated as a goal of the CWCB.

A key value of residents of the State is environment and healthy water sheds as illustrated in Chapter page 6 of the water Plan: A strong environment that includes healthy watersheds, rivers and streams, and wildlife. This project will improve environmental attributes on the North Fork of the Gunnison.

The concept of protecting agriculture along with environmental needs is discussed on page 18 of Section 6.2 – Water Supply Management of the Water Plan. The Stewart diversion Improvement Project addresses will address the needs of senior water rights users while reducing impacts on the environment and recreational uses. This project will also create an example of how consumptive and non-consumptive needs can be addressed through infrastructure improvements, which will hopefully move other multi-benefit projects forward on the North Fork.

The Gunnison Basin Roundtable's primary goal as stated on page 4 of the Gunnison Basin Implementation Plan (GBIP) is: Protect existing water uses in the Gunnison Basin.

This project will protect the agricultural uses under the Stewart Ditch, a senior water right, as well as the recreational uses in the North Fork of the Gunnison.

By removing a hazard and improving habitat and access to habitat, this project will achieve goal #5 list in the GBIP: Protect environmental and recreational water uses.

Reducing in-river work on the diversion dam and providing new water management and measurement equipment will achieve goal #6 of the GBIP: Maintain or, where necessary, improve water quality throughout the Gunnison Basin.

Removal of the dam and improving fish numbers will encourage a beneficial relationship between agricultural and environmental recreational water uses which is the 7th goal listed in the GBIP.

This project will meet goal #8. Restore, maintain, and modernize critical water infrastructure, including hydropower, by replacing an antiquated diversion structure and dam.

Completing this project including the related monitoring and reporting will help the Gunnison Basin achieve goal #9. Create and maintain active, relevant and comprehensive public education, outreach and stewardship processes involving water resources in the six sectors of the Gunnison Basin.

This section of the North Fork is listed as an Environmental Segment in the Statewide nonconsumptive needs assessment map.

The Gunnison Basin Implementation Plan highlights the need for : Diversion infrastructure improvements that increase accuracy and reduce maintenance costs while preserving stream connectivity (p.71)

The GBIP identifies the segment of the North Fork between Paonia Reservoir and the confluence with the Gunnison as a key recreational reach.(p.65)

The GBIP identifies addressing aging agricultural infrastructure needs as a key solution to preserving agricultural water use in the Gunnison Basin.

While there is not a node on the State's Flow Tool in the area of the Stewart Ditch, streamflow gages in the area illustrate that the river can be nearly dried up at the Stewart Ditch at certain times, particularly late in the year. Improving infrastructure that complements recent improvements on the Stewart Ditch will help prevent low flows and high water temperatures.

This project addresses more than one type of need and involves multiple participants including TU, local TU chapter, agricultural users, neighboring landowners, recreational river users and others. Project stakeholders have consulted with local county commissioners, Colorado River District, US Fish and Wildlife Service, BLM, Colorado Department of Transportation, and Army Corps of Engineers about this project.

Related Studies

In 2017 the North Fork Water Conservancy District and Western Slope Conservation Center completed an Irrigation Water Management Plan and an Environmental and Recreation Needs Assessment as part of a Stream Management planning process which was funded by the CWCB. Both of these efforts recommended improvements to the Stewart Ditch diversion to address issues related to riparian health, boater safety, irrigation water management, and structural integrity of the existing diversion. More broadly, diversion dams have been identified as a primary impact to access to suitable habitat for many native fish species. This project will allow for passage and reduce entrainment of Native- Bluehead Sucker (*Catostomas discobolus*), Speckled dace, Mottled Sculpin, Non-native- Rainbow and Brown trout; project may also benefit Flannelmouth sucker and Roundtail Chub though presence is unknown due to a lack of survey information.

Taxpayer Bill of Rights

TABOR will not affect TU's ability to apply CWCB grant funds to this project.

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.

Reporting Requirements

Progress Reports: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant's letterhead that: (1) Summarizes the project and how the project was completed. (2) Describes any obstacles encountered, and how these obstacles were overcome. (3) Confirms that all matching commitments have been fulfilled. (4) Includes photographs, summaries of meetings and engineering reports/designs. The CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification

of any major issues, and proposed or implemented corrective actions. Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of this contract must be provided to as part of the project documentation.

Performance Measures

Performance measures for this contract shall include the following: (a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in the Budget & Schedule Exhibit B. Per Water Plan Grant Guidelines, the CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment. (b) Accountability: Per Water Plan Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per Water Plan Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment. (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.



Last Updated: May 2021

Colorado Water Conservation Board

Water Plan Grant – Statement of Work – Exhibit A

Statement Of Work

Date: 11/29/2021

Name of Grantee: Trout Unlimited

Name of Water Project: Stewart Ditch Diversion Improvement Project

Funding Source: CWCBC Water Plan Grant

Water Project Overview:

This proposed water activity is the result of a collaborative effort between Stewart Ditch and Reservoir Company (SDRC) and Trout Unlimited (TU) to restore riparian function at and improve water management. This proposed project will address water needs for agricultural, and recreational users.

The Stewart Ditch diversion is a 1200-foot-long push-up dam and an antiquated headgate. The diversion dam is unstable and requires in-river construction which damages the river. The current orientation of the dam causes erosion on the riverbank opposite the diversion. The height of the dam is a hazard for boaters and recreational users of the North Fork. During low flows, the dam is a barrier for fish trying to navigate to better habitat upstream of the diversion. The canal intake also removes fish and debris from the river which causes maintenance issues for the water users and impacts the populations of fish, including the native bluehead sucker and wild non-native trout.

Completing this restoration and infrastructure improvement project will address these many serious issues on the North Fork of the Gunnison and will serve as an example for future projects.

Project Objectives:



Last Updated: May 2021

The overarching goals of the project are to restore riparian function while improving diversion infrastructure to mitigate impacts to wildlife and river users while improving operations for water users.

These goals will be met by achieving the following objectives:

1. Completing engineered plans for diversion modification including necessary survey, hydraulic modeling, and stakeholder input.
2. Secure necessary permits and environmental clearances including CDOT access permit, ACOE 404 waiver or permit, Delta County floodplain permit, and NEPA compliance
3. Construction of diversion dam and intake structures that meet water users needs while also allowing for fish passage and reduced entrainment.
4. Complete monitoring and tuning to ensure project goals are achieved

Tasks
Task 1 – Construction
Description of Task: Contractor(s) selected by project leads will complete tasks necessary for the correct construction of the of the engineered plans necessary to meet the objectives of the project.
Method/Procedure: Within this task it is expected that contractors will mobilize heavy equipment, prepare jobsite and staging area, coffer off critical areas, demolish existing infrastructure, dewater, armor banks, restore damage areas, excavate, fill, form, and place concrete, install headgate, install fish/debris screen, reclaim disturbed areas, and complete other tasks related to construction. Activities will be overseen and directed by engineers and representatives from key stakeholders as necessary.
Deliverable:



Last Updated: May 2021

A completed diversion improvement project including diversion dam and engineered riffle, headgate structure, installed screen, and other infrastructure.

Applicant will provide updates on construction process, including photos, and descriptions of key steps and issues encountered.

Tasks

Task 2 – Monitoring and Adjustments

Description of Task:

Project stakeholders will evaluate the performance of the improved diversion structure and ensure that project objectives are met.

Method/Procedure:

TU with assistance from Colorado Parks and Wildlife will evaluate water velocities across the dam and engineered riffle at a range of river flows using water measuring equipment. SDRC will monitor the operations of the screen, new headgates, and other equipment. Adjustments to the infrastructure and in-river rock structure will be adjusted as necessary. Recreational water users will also be interviewed about the safety and usability of the structure at a range of flows.

Deliverable:

Descriptions of the evaluation and monitoring process including responses from stakeholders and water users along with a description of any work that was done to correct deficiencies.

This task is critical to ensuring the goals and objectives of this project are met.

Tasks

Task 3 – Project Administration and Grant Management

Description of Task:



Last Updated: May 2021

Trout Unlimited will oversee, guide, and manage the various phases of this project including grant management and administrative duties.

Method/Procedure:

TU will administer grant funds, complete invoices and other accounting tasks, prepare progress reports, oversee and manage various phases of the project and guide in-kind contributions.

Deliverable:

The CWCB and other granting agencies will be provided with in time and accurate invoicing, project reports, project photos, and provide a single point of contact for this project

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.

Reporting Requirements

Progress Reports: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues.



Last Updated: May 2021

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

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

The CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

Payment

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

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

Performance Measures

Performance measures for this contract shall include the following:

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

(b) Accountability: Per 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 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: 10/1/2021****Water Activity Name: Stewart Ditch Diversion Improvement Project****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	Construction	July 2022	Feb. 2023	\$465,160	\$129,500	\$594,660
2	Monitoring and Adjustments	Feb. 2023	Feb. 2024	\$35,000	\$15,000	\$50,000
3	Project Administration & Grand Management	July 2022	April 2024	\$62,775	\$25,500	\$88,275
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$732,935
Total				\$562,935	\$170,000	\$732,935

(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.

- 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.

NOTE TO APPLICANTS: Below are two "detailed budget" examples. Detailed budgets will vary between all projects, so these examples can be used as a helpful guide



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Colorado Water Conservation Board

Detailed Budget Estimate

Date: 10/1/2021
Water Activity ▶ Stewart Ditch Diversion Improvement Project
Grantee Name: Trout Unlimited

Funding and In-kind Sources

Task 1 Construction								CWCB WSRF	CWCB WP	Cash Match	In-kind Match
Item #	Description	Quantity	Unit	Unit Cost	Total Cost	Primary Contractor Total	Subcontractor(s)				
Site Preparation											
1	Protect In Place (PIP)	1	LS	\$ 2,500.00	\$ 2,500.00					\$2,500.00	
2	Construction Access and Repair	1	LS	\$ 5,000.00	\$ 5,000.00					\$5,000.00	
3	Erosion Control and General BMPs - Furnish, Install, and Manage	1	LS	\$ 15,000.00	\$ 15,000.00					\$15,000.00	
4	Care of Water - Furnish, Install, and Manage	1	LS	\$ 40,000.00	\$ 40,000.00			\$20,000.00		\$20,000.00	
5	Site Restoration	1	LS	\$ 5,000.00	\$ 45,000.00			\$5,000.00		\$30,000.00	\$10,000.00
				Sub Total:	\$ 107,500.00			\$25,000.00		\$72,500.00	
Channel and Grade Control Structure Structure											
6	Clear and Grub	1,110	SY	\$ 10.00	\$ 11,100.00					\$11,100.00	
7	Remove Tree, Haul Off and Disposal	8	EA	\$ 300.00	\$ 2,400.00					\$2,400.00	
8	Haul Off and Disposal of Alluvial Material	1,958	CY	\$ 50.00	\$ 97,900.00					\$97,900.00	
9	General Excavation and Stockpiling	3,000	CY	\$ 17.00	\$ 51,000.00			\$51,000.00			
10	Place Alluvial Backfill	1,080	CY	\$ 12.00	\$ 12,960.00			\$12,960.00		\$0.00	
11	Furnish Boulder	150	TON	\$ 75.00	\$ 11,250.00		\$ 11,250.00			\$11,250.00	
12	Install Boulder	400	TON	\$ 75.00	\$ 30,000.00			\$30,000.00		\$0.00	
13	Type 1 Seed Mix (Riparian)	0.2	ACRE	\$ 1,500.00	\$ 6.00			\$9,000.00		\$3,000.00	
14	Hydromulch	0.5	ACRE	\$ 3,000.00	\$ 1,500.00			\$1,500.00		\$1,500.00	
				Sub Total:	\$ 218,116.00	\$ 206,866.00	\$ 11,250.00	\$104,460.00		\$125,650.00	
Headgate and Diversion Ditch											
15	Clear and Grub	186	SY	\$ 2.00	\$ 372.00					\$372.00	
16	Remove Tree, Haul Off and Disposal	4	EA	\$ 300.00	\$ 1,200.00					\$1,200.00	
17	Haul Off and Disposal of Alluvial Material	0	CY	\$ 50.00	\$ -					\$0.00	
18	General Excavation and Stockpiling	1,016	CY	\$ 25.00	\$ 25,400.00			\$10,000.00		\$15,400.00	
19	Place Alluvial Backfill	338	CY	\$ 13.00	\$ 4,394.00			\$4,000.00		\$394.00	
20	Furnish Boulder	15	TON	\$ 100.00	\$ 1,500.00					\$1,500.00	
21	Install Boulder	15	TON	\$ 75.00	\$ 1,125.00					\$1,125.00	
22	Type 1 Seed Mix (Riparian)	0.3	ACRE	\$ 4,000.00	\$ 1,200.00					\$1,200.00	
23	Hydromulch	0.5	ACRE	\$ 2,500.00	\$ 1,250.00					\$1,250.00	
24	Concrete Headwall	1	LS	\$ 70,000.00	\$ 70,000.00					\$70,000.00	
25	SCADA and Actuator	1	EA	\$ 40,000.00	\$ 40,000.00					\$40,000.00	
26	Furnish and Install Headgate	2	EA		#VALUE!		#VALUE!	\$46,000.00			
27	Furnish and Install Flume	1	EA	\$ 15,000.00	\$ 15,000.00		\$ 15,000.00	\$15,000.00			
28	Furnish and Install Bar Screen	1	LS	\$ 20,000.00	\$ 20,000.00		\$ 20,000.00	\$5,000.00			
29	Furnish and Install Headgate Catwalk with Railing	1	LS	\$ 35,000.00	\$ 35,000.00		\$ 35,000.00	\$35,000.00			
SUBTOTALS								\$115,000.00	\$0.00	\$132,441.00	\$10,000.00
contingency (15%)											
Total Construction Costs								\$115,000.00	\$129,460.00	\$330,591.00	\$10,000.00
Task 2 Monitoring and Adjustments											
Item #	Description	Quantity	Unit	Unit Cost	Total Cost			CWCB WSRF	CWCB WP	Cash Match	In-kind Match
1	Velocity Monitoring/Site visits	6	EA	\$225.00	\$1,350.00						\$1,350.00
2	Fish survey	1	EA	\$1,400.00	\$1,400.00						\$1,400.00
3	Stakeholder Survey	5	EA	\$200.00	\$1,000.00						\$1,000.00
4	Consultation with Engineers	5	EA	\$250.00	\$1,250.00					\$1,000.00	\$250.00
5	Adjustments to structure as needed	200	HR	\$200.00	\$40,000.00			\$5,000.00	\$10,000.00	\$25,000.00	\$5,000.00
6	Erosion mitigation and reclamation	100		\$100.00	\$10,000.00				\$5,000.00		\$5,000.00
Total Task 2 costs				\$55,000.00	\$55,000.00			\$5,000.00	\$15,000.00	\$26,000.00	\$14,000.00
Task 3 Project Administration and Management											
Item #	Description	Quantity	Unit	Unit Cost	Total Cost			CWCB WSRF	CWCB WP	Cash Match	In-kind Match
1	Grant Administration and Project Management OH							\$20,000.00	\$25,500.00	\$22,775.00	\$42,000.00
Total Task 3 Costs								\$20,000.00	\$25,500.00	\$22,775.00	\$42,000.00
Sub totals								\$140,000.00	\$169,960.00	\$379,366.00	\$66,000.00
Total Project Cost			\$755,326.00		Percentage of total:		18.54%	22.50%	50.23%	8.74%	

Project Expenses



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources
1313 Sherman Street, Room 718
Denver, CO 80203

**WSRF/WATERSHED RESORATION GRANT
POGG1 2022-2167**

Trout Unlimited Inc.
1777 N KENT ST
100
ARLINGTON, VA 22209-2133

RE: Official Notice to Proceed – Stewart Mesa Diversion Mod & Restoration Project

Dear Grantee:

We are pleased to inform you that the Colorado Department of Natural Resources, Colorado Water Conservation Board (CWCB) has approved your request for funding for your project pursuant to the Grant Program(s) ("Program"). This letter authorizes you to proceed with the approved project in accordance with the terms of this Grant Award Letter.

Attached to this letter are the terms and conditions of your Grant. Please review these terms and conditions as they are requirements of this Grant to which you Grantee agree by accepting the Grant Funds.

If you have any questions regarding your grant award, contact Andrea Harbin-Monahan, Project Manager at 303-866-3441 or at andrea.harbinmonahan@state.co.us. Please send all grant correspondence directly to the project manager and cc me on your invoice billing requests.

Thank you.

Sincerely,

//s//

Doriann Vigil
Program Assistant II
O 303-866-3441 ext. 3250
1313 Sherman Street, Rm. 719, Denver, CO 80203
Dori.vigil@state.co.us / cwcb.state.co.us





STATE OF COLORADO
Department of Natural Resources

Page 1 of 2

ORDER		*****IMPORTANT*****				
Number:	POGG1,PDAA,202200002167	The order number and line number must appear on all invoices, packing slips, cartons, and correspondence.				
Date:	8/18/21					
Description:	WSRF & WATERSHED GRANT_Stewart Mesa Diversion Mod & Restore					
Effective Date: 08/19/21		BILL TO COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
Expiration Date: 08/31/22						
BUYER		SHIP TO				
Buyer:		COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
Email:						
VENDOR						
TROUT UNLIMITED INC 1777 N KENT ST # 100 ARLINGTON, VA 22209-2133		SHIPPING INSTRUCTIONS Delivery/Install Date: - FOB: FOB Dest, Freight Allowed				
Contact: Cary Denison						
Phone: 970-596-3291						
VENDOR INSTRUCTIONS						
EXTENDED DESCRIPTION						
Grant for Stewart Mesa Project per attached Exhibit A Scope of Work and Exhibit B Budget".						
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$20,000.00	<input type="checkbox"/>
Description: WSRF & WATERSHED GRANT_Stewart Mesa Diversion Mod & Restore						
Service From: 08/19/21		Service To: 08/31/22				
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
2	G1000		0	0.00	\$22,000.00	<input type="checkbox"/>
Description: WSRF & WATERSHED GRANT_Stewart Mesa Diversion Mod & Restore						
Service From: 08/19/21		Service To: 08/31/22				
TERMS AND CONDITIONS						
https://www.colorado.gov/osc/purchase-order-terms-conditions						



STATE OF COLORADO
Department of Natural Resources

Page 2 of 2

DOCUMENT TOTAL = \$42,000.00

Last Update: March 17, 2020

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

Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	8/8/2021
Water Activity Name:	Stewart Mesa Canal Diversion Modification and Restoration Project
Grant Recipient:	Trout Unlimited
Funding Source:	CWCB Water Supply Reserve Fund
<p>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. (PLEASE DEFINE ALL ACRONYMS).</p> <p>Trout Unlimited is partnering with the Stewart Mesa Ditch and Reservoir Company (SMDRC) and others on this project which will modify the diversion structure and ditch intake to address issues including water management, long-term maintenance, riparian health, recreation, and fisheries health.</p> <p>The Stewart Mesa Ditch diversion is now a 1200-foot-long push-up dam and an antiquated headgate. At high flow the river breaks through rock and cobble dam and overtops the diversion structure and causing erosion and occasional loss of the dam, requiring in-river construction which exacerbate impacts to the river. The dam pushes water to the north bank away from the diversion during high flows, causing erosion and over widening of the river. The orientation of the river can prove difficult to navigate for boaters and can be dangerous at high-flow event. During low flow the dam is a barrier to fish that are trying to navigate upstream including the species of special concern. The canal intake also removes fish from the river due to the dam and diversion configuration.</p> <p>This phase of the project will be focused on completing design.</p>	
<p>Objectives: (List the objectives of the project. (PLEASE DEFINE ACRONYMS).</p> <p><u>Overall Project Goals and Objectives:</u></p> <ol style="list-style-type: none"> 1. Improve channel stabilization and stop erosion 2. Improve and reconnect riparian habitat 3. Improve water management and efficiency of diversion operations 4. Enhance recreational opportunities 5. Reduce fish loss from and entrainment <p><u>Goals for the following tasks:</u></p> <ol style="list-style-type: none"> 1. Gather site specific information including survey information 2. Develop concept alternatives and hydraulic modeling 3. Revised selected alternative 4. Create cost estimates for diversion modification 	

Last Update: March 17, 2020

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

Tasks
<u>Task 1 – Site Survey</u>
Description of Task:
Complete data collection including site survey, aerial photographs, and base map
Method/Procedure:
Engineering company River Restoration will survey the river and canal at the and near the Stewart Mesa Canal. They will also collect photographs of the area and overlay survey on site map.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Survey data and base map.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Summary of work completed and relevant documents.

Tasks
<u>Task 2 – Hydraulic Modeling and Conceptual Alternatives</u>
Description of Task:
Using data gathered from task one efforts, River Restoration will provide conceptual drawings for and basic hydraulic modeling for 2 conceptual alternatives. Hydraulic modeling and alternative will depict basic location and shape of alternatives and modeling under high and low flow conditions.
Method/Procedure:

Last Update: March 17, 2020

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

Tasks
Engineers will create alternative drawings on base maps with survey data. Engineers will use USBR hydraulic modeling tools to evaluate changes flow from the alternatives.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Full set of alternatives and hydraulic models.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
A report including critical alternatives and model outputs.

Tasks
<u>Task 3 – Design and Estimating</u>
Description of Task:
Professional engineers will create near 70% engineered plans that included material specifications, amounts, probable cost estimate, and other information relevant to final construction of the diversion. These drawings will include design specifications for a new diversion structure and debris/fish screen.
Engineers from River Restoration will collaborate with engineers who specialize in irrigation infrastructure and fish/debris screens to integrate diversion components into the in-river design.
Method/Procedure:
By using the conceptual design information, additional modeling runs, diversion structure details, the engineers will prepare 70% complete plans.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
70% plans, hydraulic models, probable cost estimates and other pertinent information.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
A report highlighting critical design aspects including unique features of the design and the design process.

Tasks
<u>Task 4 – Grant Administration and Project Management</u>
Description of Task:
In this task, TU will administer grant funds from several sources, seek additional funding, and provide oversight and reporting for the project.

Last Update: March 17, 2020

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

Tasks
Method/Procedure:
TU will process invoices, record match efforts and contributions, and write reports.
Grantee Deliverable:
Compliance with requirements of the CWCB grant and recording of the process to inform future projects.
CWCB Deliverable:
This task will provide the CWCB with accurate invoices, progress reports that describe descriptions of work including accounting of grant expenditures. Reports will also provide photos of project, summaries of engineering report, and valuable lessons learned during the project.

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 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: March 17, 2020

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

Reporting Requirements

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.

Last Update: December 17, 2019



COLORADO

Colorado Water Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Supply Reserve Fund

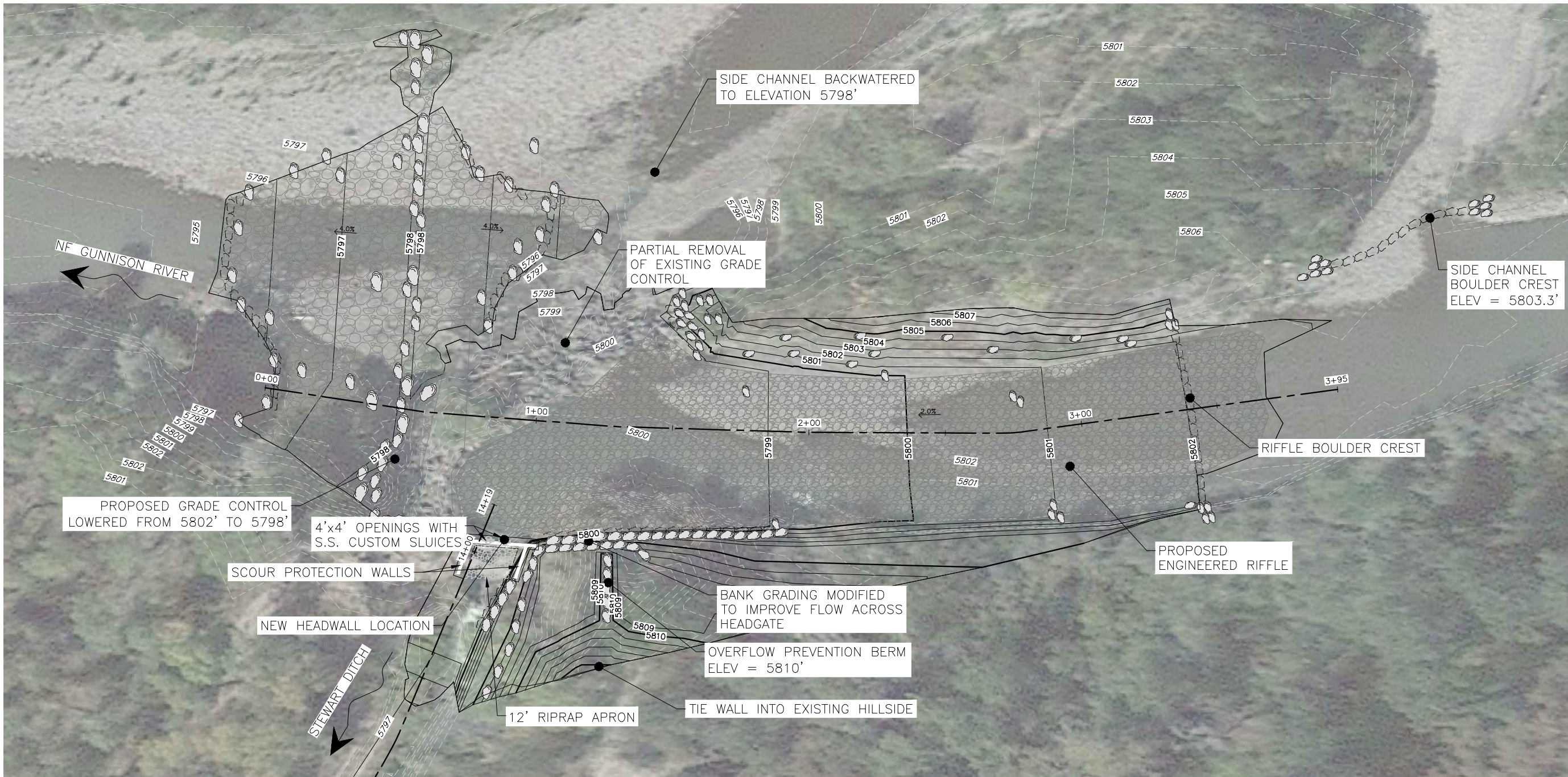
EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs

8/2/2021

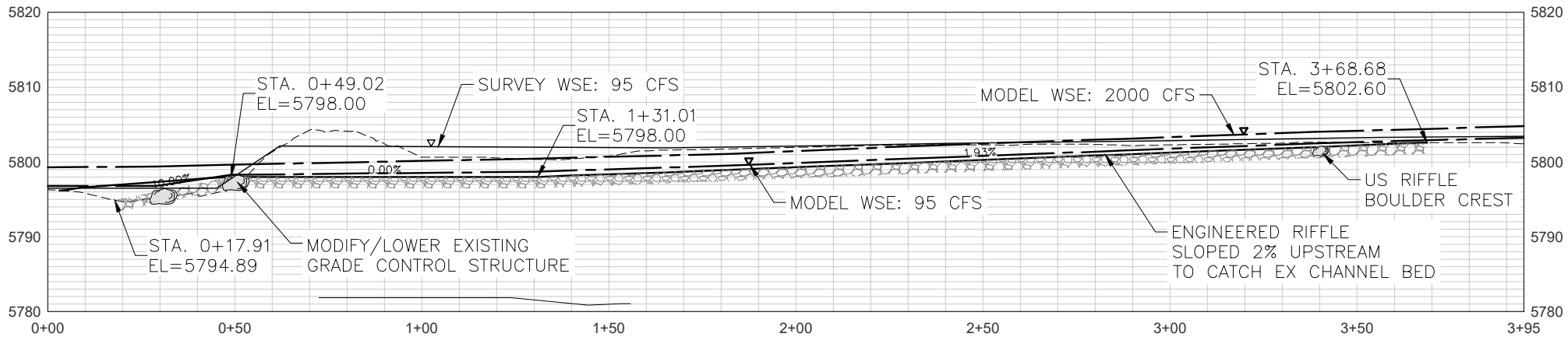
Water Activity Name: Stewart Mesa Canal Diversion Modification and Restoration Project

Grantee Name: Trout Unlimited

[illegible]



NF Gunnison River CL PROFILE
HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 10'



CONCEPTUAL DESIGN - NOT FOR CONSTRUCTION

PROFESSIONAL ENGINEER STAMP

PRELIMINARY

STEWART DIVERSION MODIFICATION
CONCEPT 2 PROPOSED GRADE PLAN VIEW

No.	REVISION/UPDATE	Date

CLIENT NAME AND ADDRESS



Trout Unlimited - Gunnison Basin
239 Grand Ave
Delta, CO 81416

DESIGN FIRM NAME AND ADDRESS



RiverRestoration
P.O. Box 248
Carbondale, CO 81623
www.RiverRestoration.org

PROJECT NAME AND ADDRESS

STEWART DIVERSION MODIFICATION
NORTH FORK GUNNISON RIVER
PAONIA, CO 81428

Project

38061

Date

JULY 2021

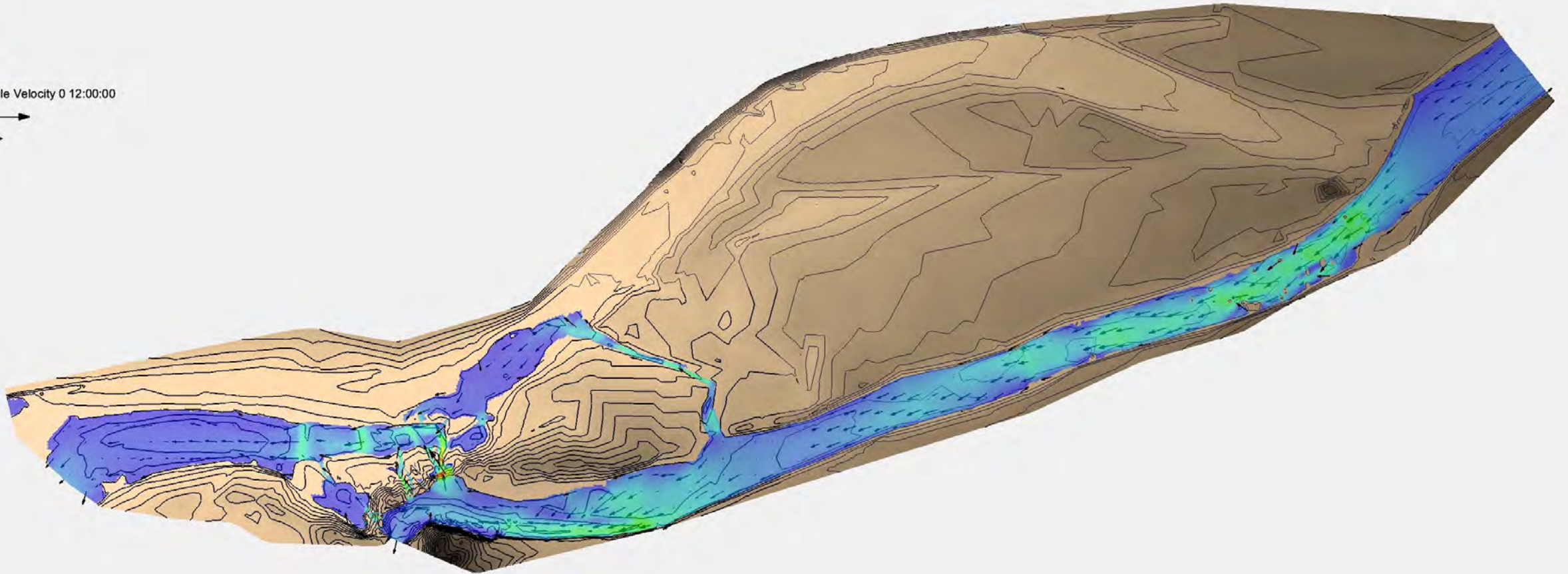
Scale

1"=30' (FULL SIZE)

Sheet

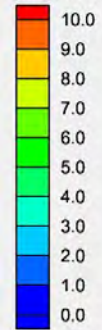
R01

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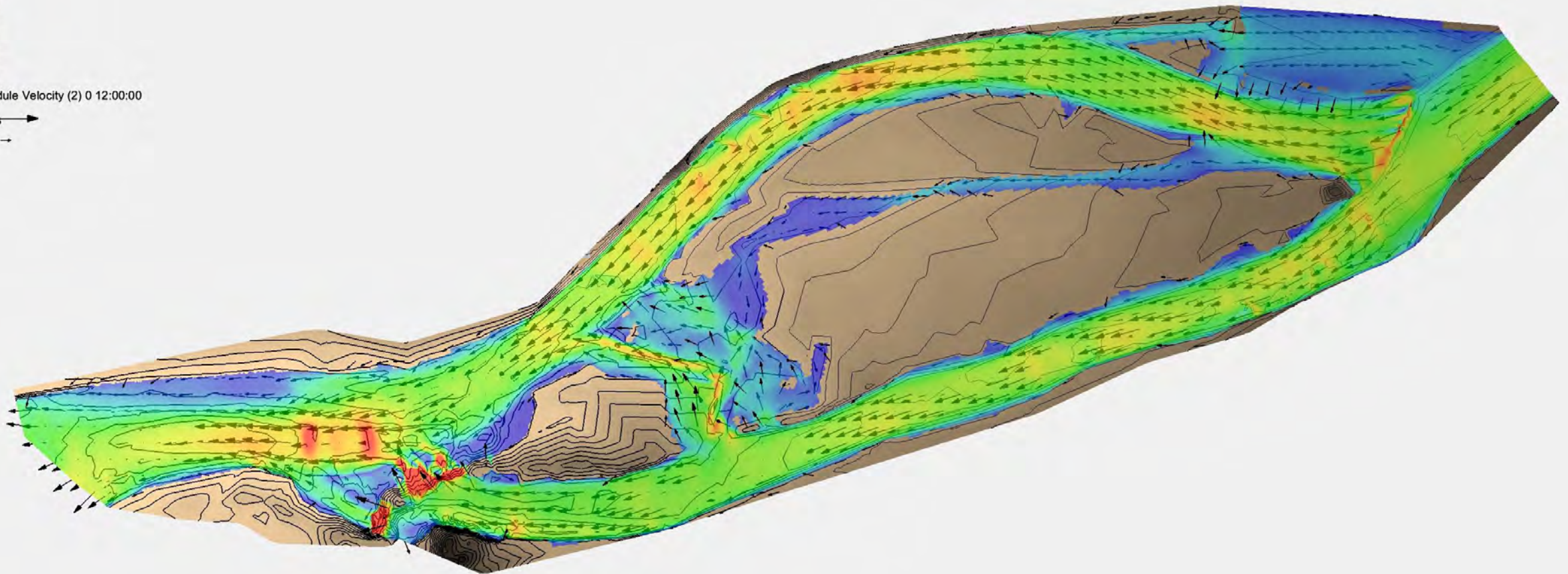
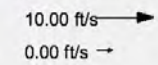


Existing Grade: 2000cfs

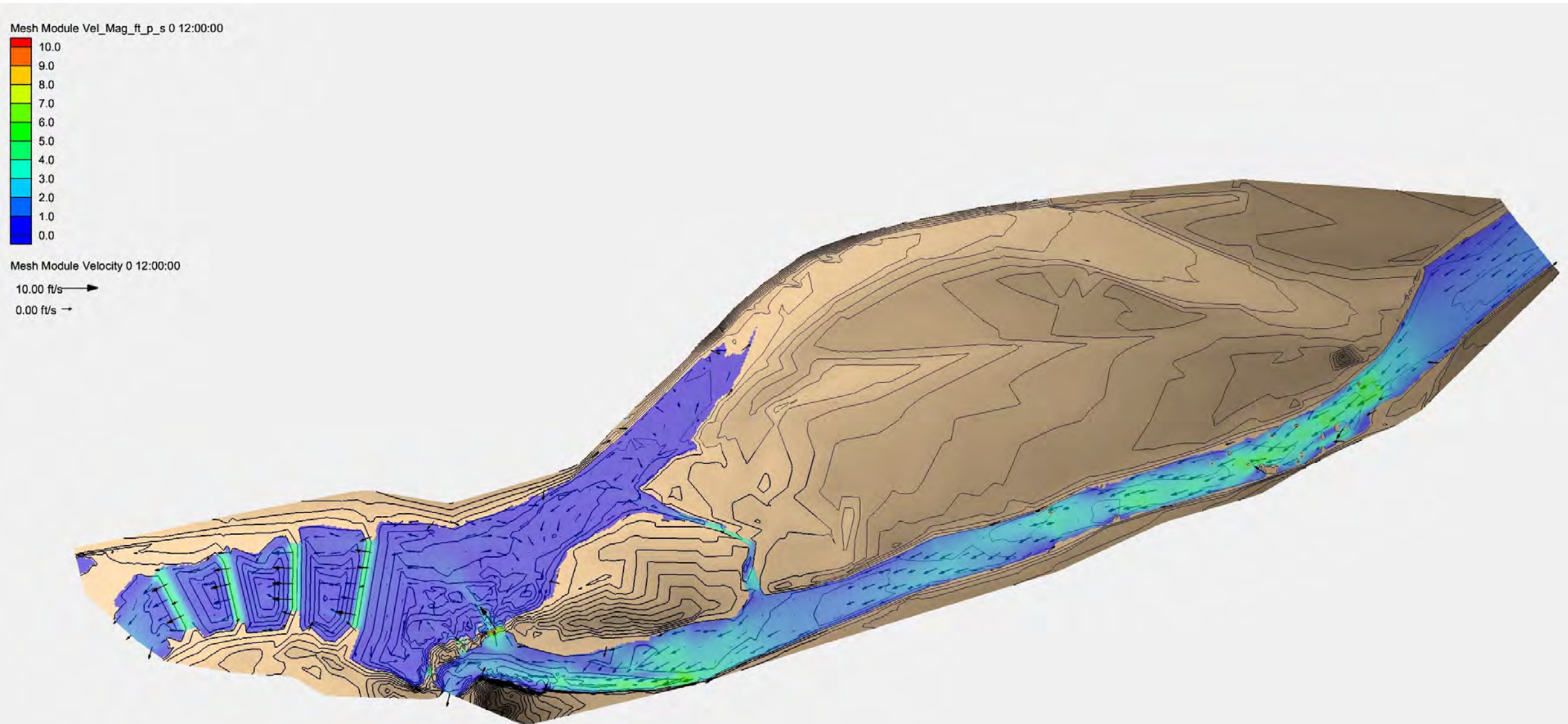
Mesh Module Vel_Mag_ft_p_s (2) 0 12:00:00



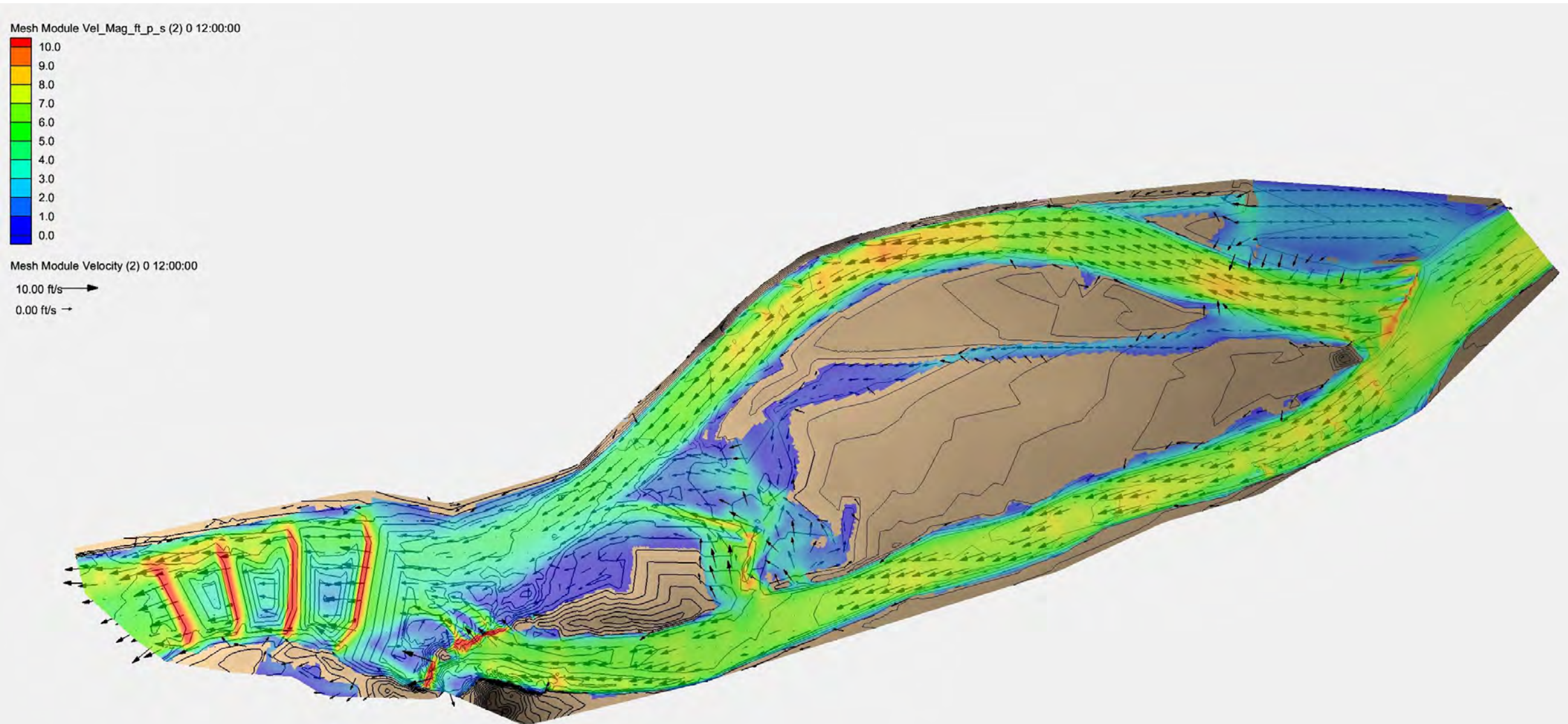
Mesh Module Velocity (2) 0 12:00:00



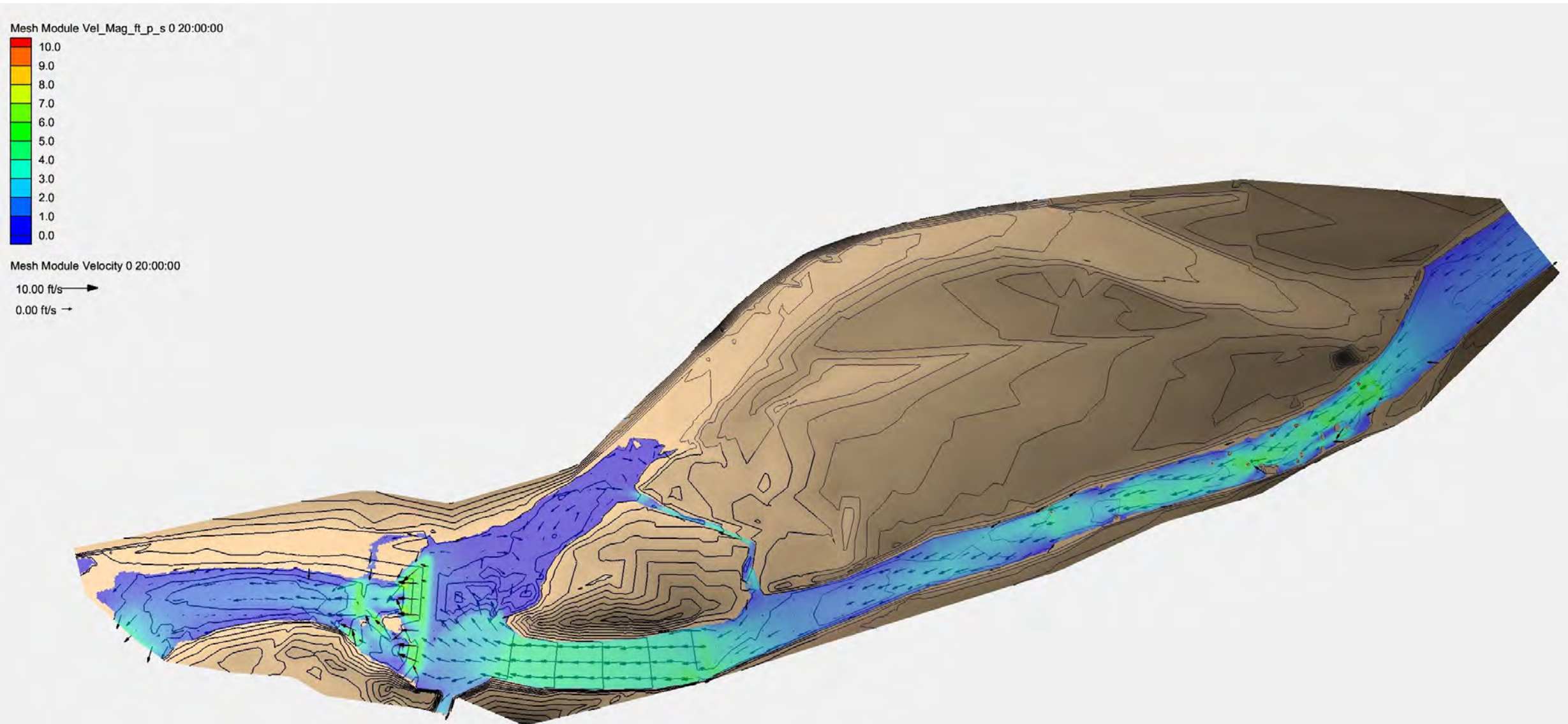
Concept 1: 95cfs



Concept 1: 2000cfs

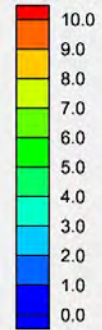


Concept 2: 95cfs

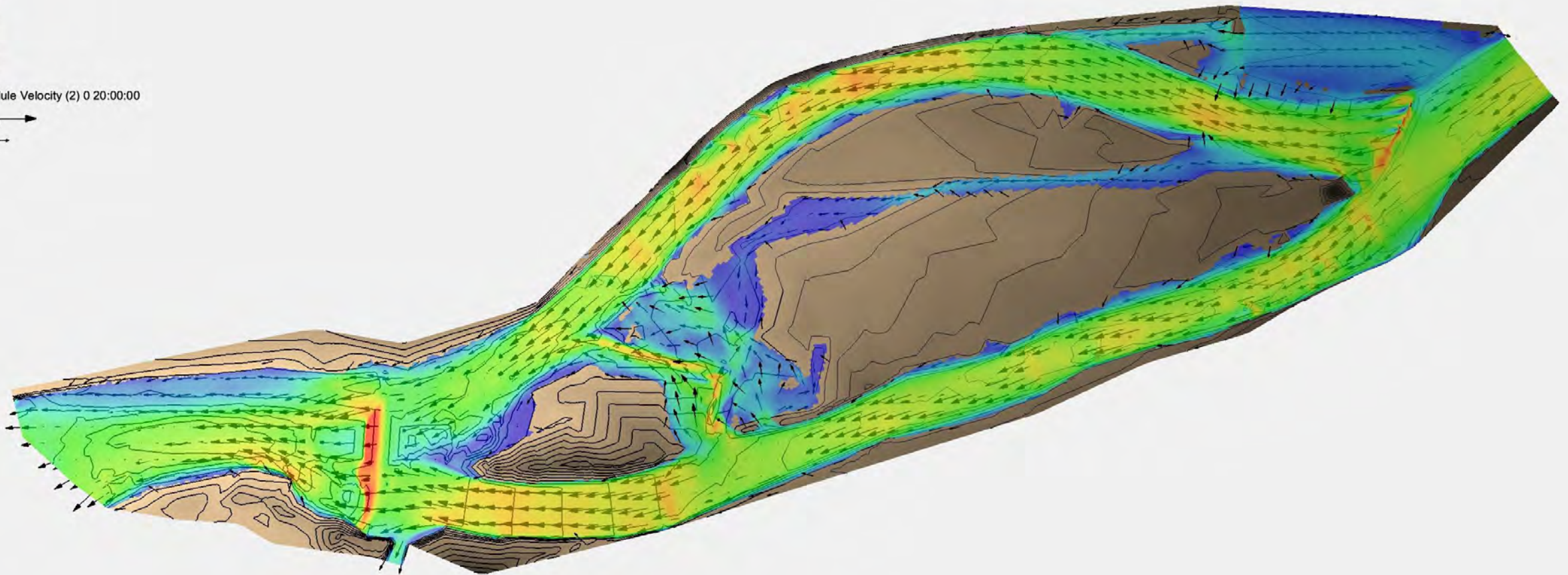
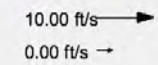


Concept 2: 2000cfs

Mesh Module Vel_Mag_ft_p_s (2) 0 20:00:00



Mesh Module Velocity (2) 0 20:00:00



From: [Susan Miller](#)
To: [Cary Denison](#)
Subject: CWCB Water Plan Grant
Date: Tuesday, November 30, 2021 11:42:07 AM

Cary,

The Stewart Ditch and Reservoir Company is committed to provide \$22,000 for in-kind contributions to the Headgate project as well as a cash amount of \$3,000.

Please let me know if you need any additional information.

Kind Regards,

Susan Miller

Treasurer

Stewart Ditch and Reservoir Company

Cell 719-207-0472

COLORADO RIVER DISTRICT COMMUNITY FUNDING PARTNERSHIP



Date: October 21, 2021

Sent via e-mail to: stewartditchandreservoir@gmail.com
Cary.Denison@tu.org

Susan Miller
Stewart Mesa Ditch and Reservoir Company
PO Box 836
Paonia, CO 81211

Re: Award Letter for Stewart Mesa Ditch Diversion Improvement Project

Dear Ms. Miller

The Colorado River District is pleased to inform you that your application to the Community Funding Partnership has been approved and will be awarded a grant in the amount of \$200,000 to assist in the implementation of the Stewart Mesa Ditch Diversion Improvement Project.

Enclosed please find your grant overview which details any award contingencies or special contract provisions of your award. Also included are the expected tasks and disbursement schedule. In addition, please submit a completed Exhibit A.1– Scope of Work and Exhibit A.2 – Budget (attached), which will become exhibits to your contract. As part of the contracting process, please note that you will be required to submit a completed W-9 and appropriate Certificates of Insurance.

Additionally, our External Affairs team will be announcing this funding award and are available to assist you with outreach regarding this award. Together, we encourage you to share the news of your grant award and project with your network, project partners and community members.

On behalf of the Board and staff, thank you for your commitment to the mission of the Colorado River District to lead in the protection, conservation, use, and development of the water resources of the Colorado River basin for the welfare of the District, and to safeguard for Colorado all waters of the Colorado River to which the state is entitled.

Congratulations! We look forward to growing our partnership as you undertake the responsibilities of this funding agreement.

Sincerely,

Amy Moyer
Director of Strategic Partnerships

SECURING THE FUTURE FOR WEST SLOPE WATER



Grant Overview

Project Title: Stewart Mesa Ditch Diversion Improvement Project

Awardee: Stewart Mesa Ditch and Reservoir Company

Award Amount: \$200,000
Total Project Cost: \$732,500

Award Contingencies (if any): N/A

Contract Provisions (if any): N/A

Insurance Requirements*: As indicated previously, you and/or your contractor must provide Certificates of Insurance for Commercial General Liability, Commercial Automobile Liability, and Workers Compensation and Employer's Liability upon execution of the Grant Contract that abide by CRD's standard insurance requirements (included at the end of this packet). If extenuating circumstances or hardships exist that prevent you from fulfilling this requirement, please request an insurance modification form.

Expected Tasks:

- Task 1: Design and Estimating, August 2021- February 2022
- Task 2: Contractor Selection, March 2022 - May 2022
- Task 3: Permitting, December 2022 - June 2022
- Task 4: Construction, July 2022- February 2023
- Task 5: Monitoring and fine-tuning, April 2023 - July 2023

Expected Deliverables:

- "Request for Final Reimbursement" form upon project completion that includes a narrative description of the project, accounting and receipts documenting the final costs of the project, and relevant photos, and any public relations information which may have been generated by the project.

Disbursement Schedule: The disbursement will follow the standard CRD distribution schedule as follows:

- Upon execution of the contract and receipt of required certificates of insurance, the CRD will forward 25% of the funding amount.
- Two progress payments will be made in 25% increments based upon evidence of paid invoices provided by the awardee.
- The remaining 25% of the funds will be paid upon a determination that the project is substantially complete, and the CRD has received a completed Request for Final Payment Form with all required documentation.

*The CRD has normal minimum requirements for insurance for contractual agreements as follows:

1. General Liability:
 - a. Bodily Injury & Property Damage:



- \$2,000,000 each event
 - \$2,000,000 aggregate
 - b. Personal Injury:
 - \$2,000,000 each event
 - \$2,000,000 aggregate
- 2. Automobile Bodily Injury & Property Damage Liability:
 - \$2,000,000 any one accident or loss
- 3. Professional Liability:
 - \$2,000,000 each loss
- 4. Workers' Compensation and Employer's Liability:
 - a. Workers' Compensation: Statutory
 - b. Employer's Liability:
 - \$100,000 each accident
 - \$100,000 disease - each employee
 - \$500,000 disease - policy limit

Dear Stewart Ditch and Reservoir Company:

I am excited to notify you that your Agricultural Drought Resiliency Fund application has been approved by the review committee at the Colorado Department of Agriculture. Congratulations, you will receive funding for your project from the Drought Stimulus grant program.

Please find attached:

- a W-9 form
- an Electronic Funds Transfer (EFT) document
- a draft Scope of Work

Fill out and return the W-9 and EFT forms as soon as possible in a reply email, unless you would prefer a check.

We would like to set up a phone call with each of you to discuss award amount and Scope of Work--in that vein please complete this [Doodle poll](#) with your preferred time. Keep in mind we cannot reimburse any expenses incurred prior to contracting.

Thank you for your participation and patience as we worked through reviewing over 90 applications.

Sincerely,

Les Owen
Conservation Services Division Director
303-869-3032
les.owen@state.co.us



United States Department of the Interior

FISH AND WILDLIFE SERVICE

134 Union Blvd
Lakewood, Colorado 80228



In Reply Refer to:
FWS/R6

November 5, 2020

Colorado Water Conservation Board
C/o: Chris Sturm
1313 Sherman Street, Room 718
Denver, CO 80203

This letter is in support of a funding request submitted by Trout Unlimited to the Colorado Water Conservation Board to help support design and construction of fish passage at the Stewart Mesa diversion on the North Fork of the Gunnison River. This project has the opportunity to address several conservation goals within Range-wide Conservation Agreement and Strategy for roundtail chub, flannemouth and bluehead sucker (known as 3-species), all of which are species of concern for our agency. The project also supports improving fish passage for several recreational trout species as well.

I recently had the opportunity to do a field visit to Stewart Mesa with Trout Unlimited and it's readily apparent that it is a fish passage barrier at most flows. With more thoughtful design, Stewart Mesa would provide more consistent water diversion for irrigators, reduce maintenance costs and allow for fish passage over a greater timeframe throughout the year. Given that the fish species inhabiting the North Fork of the Gunnison all migrate to some degree to historical spawning areas, improving the fish passage capability of the diversion would have far-reaching benefits to the fish community.

Thank you for the opportunity to provide this letter of support, please contact me with any questions at 303-929-6392 or at pamela_sponholtz@fws.gov

Sincerely,

Pamela J. Sponholtz, Project Leader Colorado Fish and Wildlife Conservation Office

INTERIOR REGION 5
MISSOURI BASIN

KANSAS, MONTANA*, NEBRASKA, NORTH DAKOTA,
SOUTH DAKOTA

*PARTIAL

INTERIOR REGION 7
UPPER COLORADO RIVER BASIN

COLORADO, NEW MEXICO, UTAH, WYOMING



Chris Sturm
Watershed Program Director
1313 Sherman St., Rm 721
Denver, CO 80203

RE: Letter of Support: Stewart Mesa Canal Diversion Modification and Restoration Project

Dear Mr. Sturm,

Please accept this letter in support of Trout Unlimited and Stewart Mesa Irrigation company to complete engineering and design components for improved diversion and head gate structures for benefit of water efficiency, recreation safety and aquatic species passage within the North Fork of the Gunnison River (North Fork).

The Western Slope Conservation Center (WSCC) and our partners; Trout Unlimited, and the North Fork Water Conservancy District have been engaged in Integrated Watershed Planning in the North Fork for many decades. Our current project, Integrated Water Management in the North Fork Gunnison River: Phase 2, identifies improvements to Stewart Mesa Diversion as one of the key objectives under Task 2, Sub Task 2.2 for Improved Recreation Safety in Reach 2 (described below).

Sub-Task 2.2: Signage

This task will design and install appropriate signage upstream of the Stewart Mesa and Farmers Ditch diversion structures directing boaters to the main river channel to avoid dangerous hazards and reduce trespassing.

Trout Unlimited and Stewart Mesa Irrigation Company's project proposal aims to make improvements at this river juncture including and beyond our original project scope to include appropriate signage and safe diversion passage for boaters and aquatic species. Therefore, WSCC is in full support of utilizing \$8,000 from Task 2 within our Integrated Water Management in the North Fork Gunnison River: Phase 2 project (POGG1,PDAA,202000002099 - WSRF/Watershed Restore WSCC - INTEGRATED WTR MGMT NFORK-PH II) to be allocated for these improvements.

We are looking forward to these improvements which will supplement and greatly enhance our joint project goals. Attached please find a revised project budget which reflects a detailed breakdown of Task 2.0

Sincerely,

Jake Hartter
Watershed Program Director
Western Slope Conservation Center

March 22, 2021

Mr. Ben Wade, Project Manager
Water Supply Planning
Colorado Water Conservation Board
1313 Sherman Street, Room 721
Denver, CO 80203

RE: Stewart Mesa Canal Diversion Improvement

Dear Mr. Wade,

I am writing to let you know that the Gunnison Basin Roundtable voted unanimously to support use of \$20,000 in Basin Funds for the Stewart Mesa Canal Diversion Improvement Project. The application was submitted by Trout Unlimited, and was supported by the Stewart Mesa Ditch Company, to improve and rehabilitate an existing headgate on the North Fork of the Gunnison. The total project cost is estimated to be \$489,560 and the original grant request was for \$65,000 from Basin funds. This project was identified and supported by the North Fork Water Conservancy District and the West Slope Conservation Center in their joint study of Stream Management for the North Fork (funded by GBRT grant). It has benefits for recreation, the environment and agricultural use. The project would design and construct a new headgate structure and replace an existing push up dam in the river.

The Gunnison Basin Roundtable supports the project, particularly since it is a multi-beneficiary Tier 1 BIP project. However, since the GBRT has only limited funds available for the next three years (\$367,000) and since the construction phase is not scheduled until September of 2022, the Roundtable supported use of \$20,000 in basin funds at this time, with an expression of support for the entire project in concept. In addition, the Roundtable has encouraged the grantee to re-apply for further funding when the design is complete.

Thank you in advance for your consideration of this important project.

Regards,

Kathleen Curry

Kathleen Curry, Chair
Gunnison Basin Roundtable
54542 US Highway 50
Gunnison, CO 81230
970-209-5537
kathleencurry@montrose.net