



COLORADO

Colorado Water Conservation Board *Department of Natural Resources*

DIRECTOR'S REPORT

July 2021

Interstate Compact Compliance • Watershed Protection • Flood Planning & Mitigation • Stream & Lake Protection
Water Project Loans & Grants • Water Modeling • Conservation & Drought Planning • Water Supply Planning



COLORADO

Colorado Water Conservation Board

Department of Natural Resources

TO: Colorado Water Conservation Board Members

FROM: Rebecca Mitchell
Viola Bralish

DATE: July 21-22, 2021

SUBJECT: **Agenda Item 4b, July 2021 CWCB Board Meeting Director's Report**

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~STATEWIDE~

CWCB SMALL FEASIBILITY STUDY GRANT FUND UPDATE:

New grant applications approved:

1. None

Previously approved grants in FY20/21:

1. Bear River Reservoir Company - Stillwater Reservoir No. 1 Rehabilitation (\$49,930)
2. Dave Miller Ditch Company - Ditch Piping (\$4,450)
3. Bergen Ditch Company - Polly A Deane Reservoir Rehabilitation (\$17,898)

Total funds approved for feasibility study grants in FY20/21: \$72,278

~WaterSMART Water Marketing Grants~

On July 1st, the [US Bureau of Reclamation awarded \\$1.14 million in WaterSMART Water Marketing Grants to seven projects](#). Two of the selected projects are in Colorado.

*The Rio Grande Water Conservation District received \$212,755 to develop a basin-wide water-sharing effort to assist subdistricts in utilizing alternative transfer methods to address both groundwater recovery and augmentation needs while maintaining agricultural production. Overall, the project will address a 16,000 acre-feet shortfall through voluntary ATMs. **Once complete, the Rio project will result in meeting the Colorado Water Plan goal of sharing 50,000 acre-feet of water through voluntary, water-sharing agreements!***

The City of Thornton also received \$275,000 to develop a Water Optimization Market to retain prime farmland while meeting the needs of expanding municipalities. The Colorado Water Conservation Board is partnering on both projects, providing Colorado Water Plan grant funds to leverage Bureau of Reclamation/federal dollars.

(Alex Funk)

~COLORADO RIVER BASIN~

COLORADO RIVER WATER USE—

2021 Colorado River Storage as of July 6, 2021			
	Elevation (feet above mean sea level)	Storage (MAF)	Percent of Capacity
Lake Mead	1,068.55	9.085	35%

Lake Powell	3,562.12	8.271	34%
Total System Active Storage		24.621	41%
2020 Total Active Storage		31,266	52%
		Flow (MAF)	Percent of Average
Forecasted Unregulated Inflow into Powell (Forecasted Water Year 2021)		3.227	30%

Forecasted CY 2021 Lower Basin Consumptive Use			
State		Use (MAF)	Total (MAF)
Arizona		2.543	
California			
California Agricultural	3.352		
Metro. Water District	1.081	4.450	7.267
Other	0.016		
Nevada		0.274	

*Note MAF = million acre-feet

~WATER CONSERVATION AND DROUGHT PLANNING UPDATES~

OWCDP Director's Report Items - July 2021

CWCB WATER EFFICIENCY GRANT FUND PROGRAM (WEGF) UPDATE:

Two grant applications have been received since the May 2021 Director's Report

- **Deutsche Domestic Water Company** - Drought Management Plan
- **City of Englewood** - Water Efficiency Plan Update

No grants have been approved since the May 2021 Director's Report

The following are deliverables sent to the CWCB since the last Director's Report:

- **Town of Erie** - Drought Management Plan - *Submitted Final Plan*
- **Town of Erie** - Water Efficiency Plan - *Submitted Final Plan*
- **Town of Hudson** - Water Efficiency Plan - *75% Progress Report*
- **University of Colorado-Denver** - Land Use Planning Survey - *Final Report*

(Ben Wade)

WATER EFFICIENCY & DROUGHT PLANS UPDATE: The Office of Water Conservation & Drought Planning (OWCDP) continues to work with the following providers to approve their Water Efficiency and Drought Management Plans:

DROUGHT MANAGEMENT PLANS

Approved Plans

- Town of Erie

Drought Management Plans in review

- City of Durango

WATER EFFICIENCY PLANS

Approved Plans

- Meridian Metropolitan District
- Arvada

The following plans have been given *conditional approval*. CWCB staff will continue to work with these entities until their respective Water Efficiency Plans achieve approval status.

Conditional Approval

- City of Lamar
- Pueblo Board of Water Works
- Town of Erie

Water Efficiency Plans in review

- Crested Butte South
(Kevin Reidy & Ben Wade)

GOVERNOR’S WATER AVAILABILITY TASK FORCE: The next Water Availability Task Force meeting will be held on July 27 from 9:30a-11:30a. Please check the website (<http://cwcb.state.co.us/public-information/flood-water-availability-task-forces/Pages/main.aspx>) for additional information.

(Ben Wade)

CO WATER LOSS INITIATIVE: The consultant team, Cavanaugh and Associates and Water Systems Optimization, is under contract for Phase II of the Colorado Water Loss Initiative. Kevin had a kick off meeting with the team on June 23 and worked on the schedule for the upcoming phase. Trainings will start in Q4 with a lot of marketing and outreach before then. Kevin is reassembling his advisory group and adding a few new members. **(Kevin Reidy)**

LAND/WATER PLANNING NEXUS:

- The latest round of the Colorado Growing Water Smart Program (Sonoran Institute) took place on May 20th, 25th and 27th. This was a virtual program and it went smoothly with a lot of lessons learned from last fall's first virtual program. The participants are not eligible for continued technical assistance related to their work plan they created during the training.
- Kevin has been participating on the core planning team for the Denver One Water Plan funded by a water plan grant. The team consists of various Denver city departments, Mile High Flood, Denver Water, Metro Wastewater and the Greenway Foundation. The draft plan has been circulated to the team and comments are being incorporated into the plan. The second Community meeting is taking place on July 20 to go over the plan and report out. With the plan almost complete the core group (now called OWLS, One Water Leaders) will begin the implementation phase and will continue to meet regularly.
- The Water and Land Use Planning Alliance will meet again on July 14. This meeting will center on EDI issues in land and water planning with a guest trainer, Dr. Tom Romero, from DU law school. Dr. Romero will discuss how equity considerations intersect with different aspects of municipal water work, from the past to the present. More precisely, he will be looking at questions and history of racial equity and municipal water suppliers and how a tool like a social (or racial) impact statement could be used by water professionals to bring equity considerations to the forefront of their work. Kevin has been facilitating an EDI sub-committee with Christy Wiseman (DOLA) with the intent to have a series of speakers come into the Alliance for training but also to diversify the Alliance itself.
- Kevin has been teaming up with Alex Funk to explore several avenues on the intersection of water efficiency and urban agriculture. One, with Water Now Alliance, is examining the literature to see what is out there. Spoiler: Not a whole lot! Another is trying to create a project around reuse water and urban agriculture with a number of partners. These are just getting off the ground but hopefully bear out with some interesting data.

(Kevin Reidy)

~WATERSHED AND FLOOD UPDATES~

Flood Section Welcomes New Member: The Watershed and Flood Protection Section would like to welcome Steve Reeves as the newest member of the section. Steve began his employment at CWCB on June 28th. Coming to the agency from the private sector, Steve represents a diverse background which will serve him well in his section roles. Steve will be taking over the administration of the floodplain designation program, will serve as the information officer for the Flood Section, and will assist as needed with the watershed and floodplain mapping programs, both of which have seen tremendous growth in recent years. Welcome Steve!

(Kevin Houck)

SPECIAL RELEASE of COLORADO WATERSHED RESTORATION PROGRAM UPDATE

The Colorado Watershed Restoration Program (CWRP) is designed to provide planning and project implementation funding for watershed and stream restoration and protection efforts. The program supports stakeholder driven collaboratives committed to restoring and protecting the ecological processes that connect land and water. The Special Release CWRP guidance document and application for recovery from fires in 2020 was approved by the Board in March of 2021.

Since then the General Assembly has approved two bills that have appropriated funding for the special release. Senate Bill 21-054 was signed by Governor Polis on 3/21/21. It appropriated \$4 million to be used “for the watershed restoration program to support post-fire recovery and mitigation efforts”. These funds have been fully allocated to grantees working on post fire watershed restoration projects. The approved projects and grantees are listed below.

- Boulder County – Calwood Fire Aerial Mulching - \$550,000
- Larimer County – Cameron Peak Fire Early Flood Warning System - \$200,000
- Coalition for the Poudre River Watershed – Cameron Peak Fire Landscape Scale Post Fire Mitigation - \$1,500,000
- Northern Colorado Water Conservancy District – East Troublesome Fire Recovery – \$1,500,000
- Middle Colorado Watershed Council – Grizzly Creek Post Fire Watershed Management - \$250,000

Senate Bill 21-240 was signed by Governor Polis on June 15, 2021. The [special release guidance](#) document was modified shortly thereafter to include the new bill language. It appropriated \$30 million “for watershed restoration and flood mitigation grants to restore, mitigate, and protect stream channels and riparian areas susceptible to flood hazards and sediment erosion and deposition after wildfire”. Applications are being accepted on a rolling basis starting on July 1, 2021. Thus far the CWCB has received three applications. The project proponents include stakeholders from the East Troublesome and Cameron Peak fires. CWCB staff anticipate applications from Grizzly Creek, Pine Gulch, and Calwood Fires as well. CWCB staff will continue to work diligently to approve and contract eligible projects. Applications will be accepted on a rolling basis until all the available funds are depleted. The Bill language states that \$10 million will be awarded by July, 1 2022, and the remaining funds will be awarded by December 31, 2022.

Senate Bill 21-240 further states that the “Board shall expend up to five hundred thousand dollars by December 31, 2022 for a statewide watershed analysis to investigate the susceptibility of life, infrastructure, and water supplies to wildfire impacts”. CWCB staff have begun the scoping process for the analysis with the its technical consulting team, and will provide updates to the Board as the study progresses.

(Chris Sturm)

National Flood Insurance Program (NFIP) Outreach Activities

Post-wildfire outreach to communities impacted by the 2020 wildfires continues following the demobilization of the DR-4581-CO flood after fire disaster response team. In conjunction with representatives from FEMA Region VIII, this office conducted a flood after fire webinar for the members of United Policyholders as part of the group’s June 23rd “Colorado Roadmap to Recovery” seminar. The distribution of flood after fire poster displays to retail locations and U.S. Post Offices in Larimer, Boulder, and Grand Counties continued in May and June with the effort scheduled to wrap up in mid-July.

Webinars were conducted for the Gunnison-Crested Butte Association of Realtors and the Telluride Association of Realtors, respectively. These webinars provided their members with an overview of the National Flood Insurance Program history & goals, floodplain mapping basics and Special Flood Hazard Area designation, flood risk & mitigation, provided resources associated with the NFIP, and how this information can benefit their clients in making sound, risk-based decisions regarding property in or near the regulatory floodplains. More realtor group webinars are planned in the future.

Participation in the NFIP efforts continue for the Colorado communities of Hot Sulphur Springs, Castle Pines, and Crestone with virtual workshops held for both the Hot Sulphur Springs Board of Trustees and Castle Pines City Council this past quarter.

(Doug Mahan)

FY21 National Flood Insurance Program (NFIP) Community Assistance Program-State Support Services Element (CAP-SSSE) Grant Approved & Accepted

FEMA’s approval of the FY21 National Flood Insurance Program CAP-SSSE funding grant application was received by the CWCB on July 7, 2021.

The CAP- SSSE program provides federal funding to states to provide technical assistance to communities in the NFIP and to evaluate community performance in implementing NFIP floodplain management activities. The goal of the CAP-SSSE program is to grow local capacity and capability to improve resiliency through floodplain management by adopting and enforcing the minimum standards of the NFIP. Additionally, State NFIP CAP-SSSE Coordinating staff serve as the central coordination point for bringing the entire state’s capabilities and resources together to advance floodplain management and mitigation.

This funding covers the period from July 1, 2021, through June 30, 2022, and ensures this office will continue to provide technical guidance and support to all Colorado communities.

(Doug Mahan)

Chatfield Downstream Improvement Project USACE Coordination

In the 1980's, the United States Army Corps of Engineers (USACE) constructed the Chatfield Downstream Improvement Project (Project). The Project consisted of improvements to the flow of water in the channel of the South Platte River in Arapahoe County to provide (1) drainage, (2) flood control, and (3) water flow. As part of its participation in the Project, the CWCB currently owns and controls approximately 7 miles on the South Platte River floodplain and Channel Lands through Littleton, Colorado in Arapahoe County. The CWCB's management of this land is subject to the terms of the September 7, 1977 and January 29, 1980 Agreements (USACE Agreements) between the CWCB and the USACE, which obligate the CWCB to operate and maintain the Project improvements.

The CWCB receives and acts on requests for easements on land owned by the CWCB as part of the Chatfield Downstream Improvement Project. In 2001, the Board requested that staff develop guidelines to assist with the administration of easement requests for the property owned by CWCB, which includes coordinating with the USACE to determine if easement requests are viable. For the last several weeks, I have been working with the current Chief of the Recreation and Natural Resources Branch of the USACE Omaha District. This person manages the USACE responsibilities for the Chatfield Downstream Improvement Project and we have developed a strategy to move forward with easement requests in this area, whereby the CWCB will act as a liaison between the easement applicant and the USACE, obtaining proper documentation from the applicant and working with the USACE to determine if any easement request will pose a risk to flood protection and public safety.

(Andrea Harbin Monahan)

Updates for Rules and Regulations for Regulatory Floodplains in Colorado and Revisions to Colorado Floodplain and Stormwater Criteria Manual

We are in the process of updating our Rules and Regulations for Regulatory Floodplains in Colorado (aka Rules, dated November 17, 2010). Staff have reached out to a number of stakeholders through email notices and website postings for the Colorado Association of Stormwater and Floodplain Managers, Colorado Municipal League, and local Colorado Floodplain Administrators. Three virtual stakeholder meetings to review the reasons for modification, gather input, clarify intent for existing Rules, and discuss potential revisions either have, or will have, taken place June 29th, July 9th and July 12th.

Updates to the Rules and Regulations are limited to 1) incorporating recent revisions to the Federal Emergency Management Agency (FEMA) Guidelines and Standards for Flood Risk Analysis and Mapping Activities under the Risk Mapping, Assessment and Planning (Risk MAP) Program; 2) amend and clarify definitions (Rule 4); 3) update references to external documents; and 4) revisions to clarify portions of seven existing rules (Rules 5, 7.I.(2), Rule 8.D., Rule 12.D, Rule 12.J., the introductory paragraph to Rule 14, Rule 17 and Rule 20). The FEMA updated guidelines,

standards, and technical references (and associated resources) define the details of the statutory and regulatory requirements for the National Flood Insurance Program (NFIP) mapping. The CWCB Rules and Regulations will comply with FEMA, while maintaining floodplain regulations specific for our State.

The Colorado Floodplain and Stormwater Criteria Manual (aka Criteria, September 2008) will be revised to accommodate considerable advancements in technology for data collection, engineering analysis, mapping processes, and data management systems. Information in the Criteria is much more dated and will require more extensive revisions. A Steering Committee has been assembled and is comprised of a cross-section of local Floodplain Administrators for representative communities [varying size, location, and type (urban and rural)], other agencies such as the Colorado Department of Transportation, Federal Emergency Management Agency, and Mile High Flood District. Our contractor has preparations underway to kick-off this effort.

Updates will include those reflected in the revised Rules, replace outdated procedures and references with improved technology and current engineering practices with respect to watershed management and flood protection. Revisions will also account for other program updates such as Flood Hazard Zones, Post-fire hazard considerations, watershed management, and the water plan. Manual updates will occur in two phases. Phase 1 will address updates related to flood risk assessment and mitigation. It will be starting in the near future. Phase 2 will address the broader watershed management key considerations and multi-hazard issues. The second phase will begin following Phase 1 revisions.

The Letters of Map Revision (LOMR) Review Partners Program

The CWCB LOMR Review Partners Program is going well. Staff has been able to work with applicants, communities and the Federal Emergency Management Agency to answer questions, provide direction, and work through complex issues for both ongoing and upcoming map revision requests. The majority of these cases are for revisions to Flood Insurance Rate Maps (FIRMs) taking place in Douglas, Jefferson, Weld, El Paso and Routt Counties.

July 2021 Risk MAP Project Updates by Major Water Basin

North Platte – No work being conducted in this area.

South Platte – Park, Jefferson, Gilpin, Boulder, Larimer, Weld, Morgan, Washington, Sedgwick, and Logan Counties have ongoing studies outside the Mile High Flood District (MHFD). MHFD leads and manages flood hazard delineation studies within their service area (Denver Metropolitan Area). Ongoing CWCB studies within the South Platte basin are as follows:

- Colorado Hazard Mapping Program (CHAMP) Physical Map Revisions: The CWCB was able to leverage funds from FEMA to continue several CHAMP studies through the FEMA

regulatory process. CHAMP involved analyzing streams across seven counties in central and northeast Colorado and includes over 200 FIRM panel updates. The remaining counties being completed include Boulder, Gilpin, Weld, and Larimer.

- Boulder County: The second appeal periods for the study ended May 4 and May 5. A revised preliminary distribution will be required to update 9 FIRM panels. More updates will be provided late July.
- Gilpin County/St Vrain study: Gilpin transitioned to Compass (FEMA's technical team) for post-preliminary processing. Compass is handling one appeal. Potential Letter of Final Determination date set for December 21, 2021 and revised mapping would become effective in mid-2022.
- Weld County: Several appeals were received and a revised preliminary distribution will be required at least for the Town of Windsor. No new appeal period will be necessary. Weld County communities that are part of the CHAMP project will likely receive revised effective mapping in mid-2022.
- Larimer County, Cache la Poudre additional studies, and Big Thompson River study: A revised preliminary distribution will most likely be needed to address some FIRM mapping and database errors found during FEMA's and our contractor's review process. This will likely delay the appeal period start date that was previously scheduled for late July.
- Elbert and Park Counties Base Level Engineering (BLE): BLE is a wide scale, automated approach to developing draft flood risk datasets in order to provide communities with an initial overview of the hazard at the local level, but it does not provide a regulatory product.
 - Elbert County: Working on hydraulics and targeting Discovery for late summer 2021. Last few basins in QC. Preparing Discovery materials.
 - Park County: Working on hydraulics and targeting Discovery for late summer 2021. Last few basins in QC. Preparing Discovery materials.

Colorado – Mesa, Eagle, Summit, and Garfield Counties have ongoing studies:

- Mesa County Phase 2: Continuing to work on hydrology for the countywide effort and waiting on survey from the field crews.
- Flood Risk Information System (Mesa County): Moving forward with beta testing and getting the last few user testing comments incorporated/fixed. No major update.
- Grand Junction Levee (Mesa County): Levee walk/in person assessments performed by our contractor produced a report shared with our team in late June. Next step will be to hold a community meeting to review the report findings, likely in late July.

- Eagle County Physical Map Revision Phases 2-3: Moving forward with preliminary distribution preparation. Resilience meeting held in June. Close to submitting prelim data (September).
- Garfield County Phase 2-3: The project has been on hold pending resolution of some hydraulic data tie-in issues with older flood risk information. Rescoping of the work was recently finalized. An amendment will be needed to make FY20 scope modifications through FEMA. Surveying and hydrology scoping begun and project is being advanced again as of late June 2021.

Gunnison/Uncompahgre – Delta, Gunnison, Hinsdale, San Miguel, and Ouray Counties have ongoing studies:

- Delta County Phase 2-3. Floodplain mapping and the hydraulics submittal were updated based on FEMA's review team request. We are planning to hold the Flood Risk Review meeting in late July.
- Upper Gunnison Phases 2-3: This project is being continued under new grants (since the original FY15 grant), part of which are covered by state funds such as the Hinsdale County Partial Countywide Revision.
 - o Hinsdale County: Floodplain mapping approved, Resilience meeting held, and preliminary distribution being planned for fall 2021.
 - o Gunnison County: Updated hydraulic modeling being conducted with the recently released version of the USACE's HEC-RAS 6.0. Flood Risk Review meeting will likely be scheduled for late 2021.

Rio Grande – Costilla, Mineral, Conejos, Alamosa, and Rio Grande Counties have ongoing studies:

- Rio Grande River hydrology: The hydrology CLOMR was approved by FEMA on 4/30/2021. Will be removing this entry for the next program update due to project completion.
- City of Alamosa levee: The final report and deliverables discussion meeting were held between CWCB, our contractor, and the City on 5/6/2021. Will be removing this entry for the next program update due to project completion.
- Costilla County: The DFIRM database for preliminary mapping distribution is being developed. Data package currently being reviewed by FEMA's technical team and will likely expect preliminary distribution in late summer 2021.
- Mineral County: Submitted the countywide portion of Willow Creek on July 2 (hydraulics data package). LOMR almost ready for submitting (need some PE stamps/additional info).

Arkansas – Lake, Chaffee, Fremont, Teller, El Paso, Custer, Huerfano, Las Animas, Otero, Bent, Prowers, and Lincoln Counties have ongoing studies:

- Lake and Chaffee BLE: *Lake County's* hydraulics submittal received comments back from FEMA. Will resubmit in July. Clarifications from *Chaffee County* were received in early July and the hydrology and hydraulics work will be continuing once we receive approval from FEMA on our scope of work amendment justification.
- Custer and Fremont BLE: The BLE review meetings will take place around late summer of 2021. No major update since last report.
- Huerfano BLE: Discovery submittal was reviewed by FEMA's technical contractor and we are actively addressing comments. The Phase 2 (Data Development) stage of the study is beginning as well. We will send survey crews to obtain field measurements later this summer/early fall.
- Bent and Otero BLE, and CHAMP 3 Phase 2 projects: A combined Bent/Otero Counties Flood Risk Review meeting will be held in mid to late July. Once this takes place, data submittals will be sent to FEMA for review and we will begin finalizing floodplain mapping.
- Las Animas (Bent County) Pre-Levee: Site visit took place late spring. Report being prepared by our contractor. No major update since last report.
- Granada/Holly (Prowers County) Pre-Levee: Project marked as completed for FEMA's records and project to be closed out soon. Future coordination & assistance included in the Prowers County Phase 2 project.
- Prowers and Las Animas BLE projects: The *Prowers County* models are being reviewed by FEMA, and a Phase 2 kickoff meeting was held in Lamar, CO on July 1. The *Las Animas County* models are complete but not yet FEMA-reviewed. A community touchpoint will take place on July 15 to go over the Discovery process.
- El Paso BLE/Phase 2 and Templeton Gap (T-Gap) pre-levee work: CWCB to follow up with El Paso County on the last meeting held back in May to resolve scoping issues. Survey still underway for priority reaches.
- Teller County BLE/Phase 2: Still working on hydraulics. We will hold the Flood Risk Review meeting likely in the fall 2021 timeframe.

Yampa/White – Rio Blanco, Routt, and Moffat Counties have ongoing studies:

- Upper Yampa River hydrology: We are still working on FEMA approval for the submitted hydrology Conditional Letter of Map Revision (CLOMR). We are missing one community signature in Garfield County.

- Upper White Watershed/Rio Blanco County Additional Studies: The Letter of Final Determination was issued on June 2 as scheduled. On track to send validation letters in November. Products to post on FEMA's Mapping Service Center soon, and the effective date for mapping should be December 2, 2021.

San Miguel/Dolores/Animas/San Juan – La Plata, Montezuma, Archuleta, and San Juan Counties, along with the Southern Ute Tribe, have ongoing studies:

- Animas Watershed Phase 3: FEMA's latest round of reviews came back in June with comments. We are expecting the 90-day appeal process to start in mid- to late August.
- Southwest Colorado (Montezuma, Dolores, San Juan, La Plata, Archuleta, Hinsdale, and Mineral Counties) BLE: Working through BLE. No major update. Targeting Discovery for fall 2021.

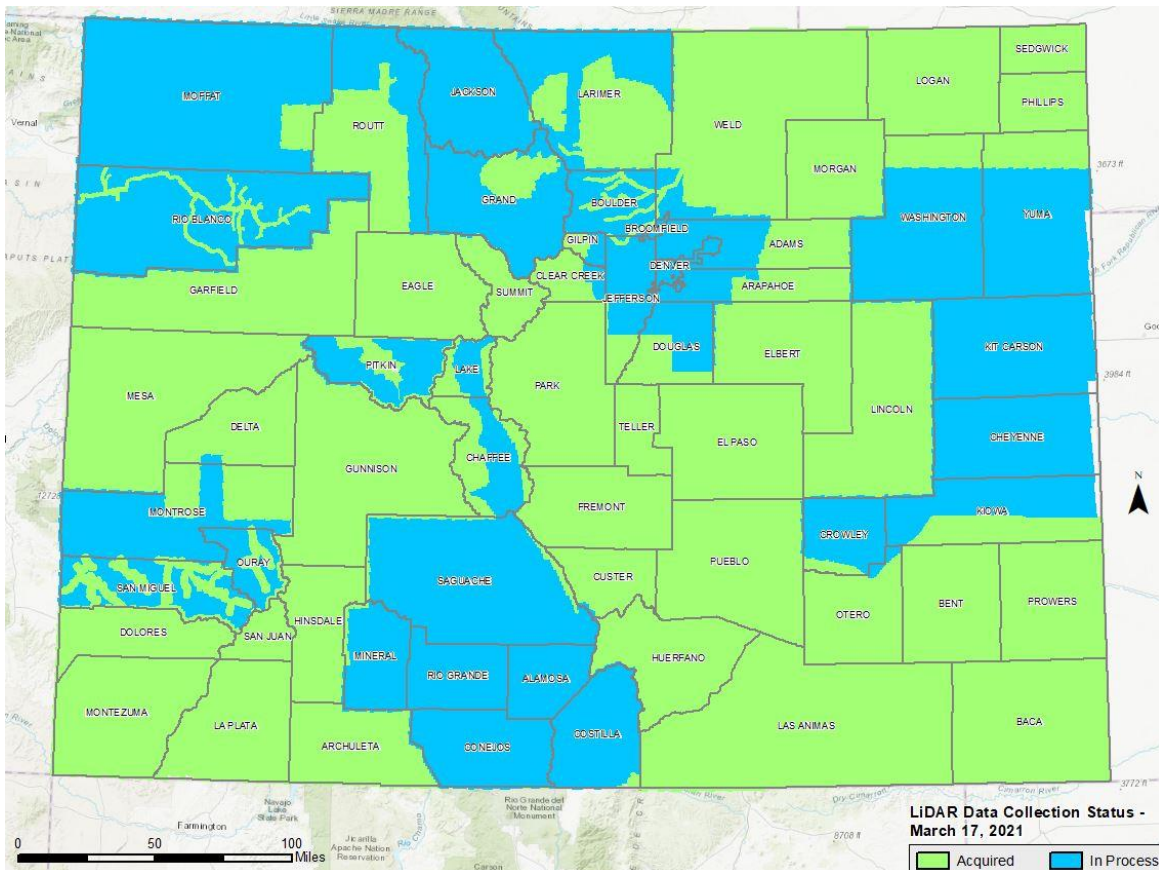
Multi-Watershed Risk Map Projects:

- CHAMP 3 Phase 2 (also see: Arkansas projects, and the Rio Grande River hydrology work for related information): *Bent and Otero* Counties addressed under the Arkansas Basin projects. *Costilla County* addressed under the Rio Grande Basin. *Ouray County's* floodplain mapping deliverable is nearing FEMA approval and project will be transferred to a new contractor for preliminary distribution and due process. *San Miguel County* work is on hold due to some ongoing discussions with the Town of Telluride, for the Valley Floor restoration project that has realigned the river west of town. More details to come soon. No update since last report.
- CHAMP 3 Phase 3 (also see: Rio Grande River projects): *Mineral County* addressed under the Rio Grande Basin. *Moffat County/City of Craig* hydrology almost approved. Looking at late July/early August for Flood Risk Review Meeting. Hydraulics submittal likely for August/September. *Lincoln County* hydraulics being reviewed by FEMA, and floodplain mapping underway. *Phillips County* hydraulics package is waiting on final approval from FEMA. Moving on to the floodplain mapping task in July.
- LiDAR acquisition: CWCB received \$3.4 million in a FEMA FY16 grant and \$2.2 million in FY18 for LiDAR acquisition in Colorado for future floodplain mapping and hazard assessment projects.
 - o The 2016 grant money was used to leverage an additional \$1 million from the USGS to supplement a late spring 2018 LiDAR acquisition in Eastern Colorado. This data has been collected and final deliverables are now available by request on the Colorado Hazard Mapping website (www.coloradohazardmapping.com). The FY18 grant funded LiDAR in northeastern and southeastern corners of Colorado. Other LiDAR collection tasks that were recently completed included the Southwest CO data collection, led by the USGS. The rest of the state LiDAR is currently being acquired and going through

final USGS QA-QC through 2021. This will also include the DRCOG LiDAR project (for the Denver Metro Area data collection).

- DRCOG area LiDAR going through final USGS QA-QC. Full/finalized datasets not available until fall 2021.
- San Luis Valley/San Miguel/Pitkin County area LiDAR - Final deliverables expected late 2021 at the earliest (but likely in early 2022).
- Eastern CO Plains: Some preliminary LAS data available via USGS' FTP site. Final deliverables likely to be posted on The National Map by late 2021.
- Northwest CO Project: USGS likely won't have the final deliverables for this project area until summer of 2022.

Below is the most recent status map for LiDAR data acquired in Colorado (no change since the March 2021 map update):



(Terri Fead and Marta Blanco Castano)

Wildfire and Flood/Debris Flow Update

After a hot and dry early summer statewide, Colorado settled into a much wetter weather pattern beginning in late June. This has resulted in numerous flood warnings posted throughout the state, with particular emphasis on the recent burn areas. Nearly all the 2020 wildfire scars, and several from 2018 as well, have experienced flood and debris problems ranging from minor to extreme.

Perhaps the most visible and impactful has been the debris flows observed in the Glenwood Canyon area, which was affected by the Grizzly Creek Fire in 2020. CDOT has developed a policy in which rest areas and recreational facilities are proactively closed down when the National Weather Service (NWS) issues a Flash Flood Watch in the area. A Flash Flood Watch means that conditions are favorable for a flash flood to occur that day. If this watch is updated to a Flash Flood Warning (meaning a flood is imminent or already occurring), then CDOT will clear traffic and close the canyon for the duration of the warning. Of particular concern, many of these Flash Flood Warnings triggered serious debris flows, which prevented timely reopening of the canyon while crews cleared the debris from the roadway. The options presented to motorists during these situations were to park and wait out the closure, or take a detour north through Craig and Steamboat Springs, which would add 2.5 hours to the journey. Debris flows have occurred in Glenwood Canyon with rainfall less than 0.5".

This has led many to question how long the region will experience these impacts and what can be done to mitigate them. There are no easy answers to either question. Because of the steep conditions in the canyon, there are few options available for mitigation other than preparedness and letting nature take its course. CWCB staff have observed in recent wildfire events that the first three years result in very little natural improvement to watershed conditions. This means that in addition to the remainder of this summer, conditions are likely to be similar throughout the summer of 2022, and possibly even 2023. Tangible progressive improvement is likely to be observed following that, but it often takes 7-10 years for something close to full recovery to be observed.

Although less visible in media reporting, other wildfire scars from both 2020 and 2018 have also reported debris flows and flash flooding. Every scar is different, and mitigation alternatives are generally tailored to the circumstances at each one. But recovery timelines (very little recovery in the first three years, 7-10 years for "full" recovery) are strikingly similar for major wildfires, and nearby residents, water users, and recreationists and other stakeholders should be aware of the long timeline for recovery. There is no magic bullet solution at any of these locations for quick recovery.

The CWCB staff has stood up a recovery technical assistance team that has been working since the fall of 2020 with stakeholders in the affected areas. This team, made up of CWCB staff and a consultant team, continues to provide services as needed, including management of the recent funds authorized by the General Assembly for recovery activities. The team is also standing by to assist with the response to any forthcoming 2021 wildfires. As of July 6th, no major wildfires have erupted, although several smaller ones have, and conditions are very favorable for a repeat of the 2020 season, especially close to the Utah border.

The CWCB Flood Threat Bulletin has handled this weather pattern well. New this year is a page specific to forecasts for the 2020 wildfires, also including the Spring Fire from 2018. The Flood Threat Bulletin provides a daily assessment of flood potential throughout the state. It can be viewed at www.Coloradofloodthreat.com and is posted every morning prior to 11AM. A free email subscriber service is available.

Kevin Houck

~WATER SUPPLY PLANNING SECTION UPDATES~

1. The Water Equity Task Force will have its second meeting on July 30th with all members of the task force. The meeting will be held via Zoom and streamed to the CWCB's Youtube channel. Details and the link for public viewing are available on the website and engagecwc.org.
2. The Basin Implementation Plan drafts wrapped up at the end of June. We are deeply appreciative of the efforts of each roundtable on this important update. Next steps for the BIPS include the release for the start of roundtable input on August 10 concurrent with a broader public comment period that will begin October 13. The entire comment period closes on November 16 and BIPs will be finalized in January 2022. Staff are also concurrently working to update the Colorado Water Plan and will give a report out on the second day of the board meeting regarding those efforts.
3. Drought update - Governor Jared Polis has formally given a [Proclamation](#) for a drought emergency that applies to 21 counties in western Colorado. Drought impacts continue to evolve creating water shortages and significant impacts to the Western Slope. While spring 2021 precipitation offered significant drought relief for counties east of the continental divide, [deepening drought](#) and [fire danger](#) have been consistent for the entire west slope. The drought emergency was declared for the following counties experiencing severe (D2) to exceptional (D4) drought conditions: Moffat, Routt, Jackson, Rio Blanco, Grand, Garfield, Eagle, Summit, Mesa, Delta, Pitkin, Gunnison, Montrose, Ouray, San Miguel, San Juan, Hinsdale, Dolores, Montezuma, La Plata, and Archuleta.

Director's Report Items - July 2021

CWCB WATER SUPPLY RESERVE FUND (WSRF) PROGRAM UPDATE:

BASIN	APPLICANT	NAME OF WATER ACTIVITY	BASIN ACCOUNT REQUEST	STAFF RECOMMENDATION TO CWCB DIRECTOR	PROJECT MANAGER
				Staff recommends approval of up to	

Gunnison	James Lazzeri	Stumpy Creek Ranch Irrigation Project	\$5,000	\$5,000 from the Gunnison Basin Account	Ben Wade
Gunnison	Trout Unlimited	Stewart Mesa Canal Diversion Modification & Restoration Project	\$20,000	Staff recommends approval of up to \$20,000 from the Gunnison Basin Account	Andrea Harbin Monahan
Southwest	San Juan Resource Conservation & Development	Southwest Basins Roundtable Website, BIP Education & Outreach	\$8,600	Staff recommends approval of up to \$8,600 from the Southwest Basin Account	Ben Wade

The Water Activity Summary Sheets for the above grant applications are attached.

(Ben Wade)

Water Supply Reserve Fund

Water Activity Summary Sheet

CWCB Director Report

Applicant & Grantee: James Lazzeri

Water Activity Name: Stumpy Creek Ranch Irrigation Efficiency Project

Water Activity Purpose: Agricultural, Nonconsumptive (Environmental) - Study & Implementation

County: Gunnison County

Drainage Basin: Gunnison River

Water Source: Stumpy Creek

Amount Requested: \$5,000 Gunnison Basin Account
\$5,000 Total Request

Matching Funds: **Basin Account Match** = \$2,000 (\$1,300 in-kind & \$700 cash)

- 28.5% of Total Project Cost (meets 25% min)

Staff Recommendation:
Staff recommends approval of up to \$5,000 from the Gunnison Basin Account to help fund the project: Stumpy Creek Ranch Irrigation Efficiency Project

Water Activity Summary: The applicant, Mr. Lazzeri, is the principal manager of Stumpy Creek Ranch which is a 300-acre ranch in Cimarron, CO. The ranch has historically been leased to a second family for livestock grazing centered on cow and calf production. Stumpy Creek Ranch irrigates approximately 150 acres with water rights provided by the Big Blue Ditch & pre-compact rights out of Stumpy Creek. The nearly 15,000 linear feet of inefficient dirt ditches used to distribute the water has not changed significantly since adjudication.

The goal of the proposal is to update the antiquated infrastructure of the ranch's irrigation system with more efficient infrastructure to increase water efficiency, decrease erosion and salinity, and ultimately work towards Colorado's goals of improved quality and quantity of stream and river flows.

The applicant is specifically seeking WSRF funding to hire a Technical Service Provider (TSP)/certified engineer to design an updated irrigation system. Once the design is complete, potential funding from the NRCS will also be sought so that once the Engineering Plan is complete, construction can begin to install the irrigation infrastructure prescribed by the engineering analysis.

Stumpy Creek ranch owners will partner with Trout Unlimited and other parties on this project such as the newly forming Cimarron Valley and River Watershed coalition to ensure that benefits from efficiency gains can meet needs outside of the ranch.

If fully implemented, the applicant believes the proposal would achieve 100 acre-feet of efficiency savings and would achieve about 15,000 linear feet of new pipe installed.

Discussion: This project was not noticed as a project in the Gunnison Basin Implementation Plan but it does have needs and benefits which match the goals of the BIP. The project would protect existing uses, encourage continued Ag use and improve existing infrastructure. The applicant would also look to use any efficiency gains to benefit the local streams and environment.

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

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

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

Funding Sources/Match	Cash	In-Kind	Total	Status
James Lazzeri	\$700	\$1,000	\$1,700	Secured
Trout Unlimited	\$0	\$300	\$300	Secured
Sub-Total Matching Funds	\$700	\$1,300	\$2,000	
WSRF Gunnison Basin Account	\$5,000	\$0	\$5,000	Secured
Total Project Costs	\$5,700	\$1,300	\$7,000	

CWCB Project Manager: Ben Wade

Water Supply Reserve Fund

Water Activity Summary Sheet

July 21-22, 2021

CWCB Director Report

Applicant & Grantee:	Trout Unlimited
Water Activity Name:	Stewart Mesa Canal Diversion Modification & Restoration Project
Water Activity Purpose:	Agricultural, Nonconsumptive (Environmental & Recreational) - Implementation
County:	Delta County
Drainage Basin:	Gunnison River
Water Source:	North Fork River
Amount Requested:	<u>\$20,000 Gunnison Basin Account</u> \$20,000 Total Request

Matching Funds:

Basin Account Match = \$421,410 (\$386,410 cash & \$35,050 in-kind)

- 44.4% of Total Project Cost (meets 25% min)

Staff Recommendation:
Staff recommends approval of up to \$20,000 from the Gunnison Basin Account to help fund the project: Stewart Mesa Canal Diversion Modification & Restoration Project

Water Activity Summary: The Stewart Mesa Canal Diversion is now a 1,200-foot-long push-up dam and an undersized and antiquated headgate. The dam structure as created elevates water to allow for diversion at low flows. At high flow, the river breaks through rock and cobble dam and overtops the diversion structure. The dam also pushes water to the north bank away from the diversion during high flows causing erosion and 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. The canal intake removes fish from the river due to the dam and diversion configuration.

Within this proposal, Trout Unlimited and partners will survey the river and diversion works to construct conceptual designs and two dimensional hydraulic models to evaluate design options and methods for creating water surface elevations necessary to divert water while allowing fish passage and addressing erosion. Design options will be evaluated by partners and stakeholders to develop a final design. Final design will be used to select contractors who will construct the new diversion structure.

The applicant states this proposal will result in 15,000 linear feet of stream restored, four acres of habitat preserved or restored and can improve boater safety while improving irrigation water use efficiency.

Discussion: The Toponas Project proposal is consistent with the Colorado Roundtable's Basin Implementation Plan, in particular, its objectives of sustaining agriculture and maintaining existing infrastructure for the maximum utilization of the associated water rights.

Issues/Additional Needs: The Gunnison Basin Roundtable supports the project in concept, because it is a multi-beneficiary Tier 1 Basin Implementation Plan project. However, the GBRT Chair indicated in the support letter that the Roundtable supported amount of \$20,000 is less

than the original request of \$65,000 due to limited basin account funds available for the next three years and because the construction phase is not scheduled until September of 2022. The Roundtable has encouraged the applicant to re-apply for further funding when the design is complete.

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

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

Funding Sources/Match	Cash	In-Kind	Total	Status
Trout Unlimited	\$5,000	\$20,500	\$25,500	Secured
Western Slope Conservation Center	\$9,410	\$3,000	\$12,410	Secured
US Fish & Wildlife Service	\$60,000	\$0	\$60,000	Secured
CWCB Watershed Restoration Grant	\$22,000	\$0	\$22,000	Secured
NRCS RCPP Fund	\$210,000	\$0	\$210,000	Secured
NRCS Additional Grant Funds	\$80,000	\$0	\$80,000	Secured
Stewart Mesa Ditch Company	\$0	\$11,550	\$11,550	Secured
Sub-Total Matching Funds	\$386,410	\$35,050	\$421,410	
WSRF Gunnison Basin Account	\$20,000	\$0	\$20,000	Secured
Total Project Costs	\$406,410	\$35,050	\$441,460	

CWCB Project Manager: Andrea Harbin Monahan

Water Supply Reserve Fund

Water Activity Summary Sheet

CWCB Director Report

Applicant & Grantee:	San Juan Resource Conservation & Development
Water Activity Name:	Southwest Basins Roundtable Website; SW Basin BIP Education and Outreach
Water Activity Purpose:	Agricultural, Nonconsumptive (Environmental & Recreational) - Implementation
County:	Archuleta, Dolores, Hinsdale, La Plata, Mineral, Montezuma, Montrose, San Juan & San Miguel Counties
Drainage Basin:	Southwest Basin
Water Source:	N/A
Amount Requested:	<u>\$8,600 Southwest Basin Account</u> \$8,600 Total Request
Matching Funds:	Basin Account Match = \$2,800 (in-kind) <ul style="list-style-type: none"> • 25% of Total Project Cost (meets 25% min)

Staff Recommendation:
Staff recommends approval of up to \$8,600 from the Southwest Basin Account to help fund the project: Southwest Basins Roundtable Website; SW Basin BIP Education and Outreach

Water Activity Summary: The Southwest Basins Roundtable (SWBRT) is in need of a dedicated website. Currently, the SWBRT has a page on the Water Information Program website which is not sufficient for its needs. If approved, funding for a new website will provide an opportunity for updating Roundtable information, having more space and pages for all of the documents and public information and meeting information.

The applicant states that having a dedicated website will provide ease for Roundtable members, stakeholders, and interested parties throughout the basin and state to access the website for information regarding Roundtable and Public Education, Participation & Outreach (PEPO) business. This website will provide the ability to highlight the progress and successes of the Southwest Basins Implementation Plan (BIP). An interactive story map page will illustrate the SWBRT BIP projects, data, and links to efforts in the SW Basin that are instrumental in informing Roundtable members, stakeholders and interested parties. The Roundtable meeting minutes, agendas, and presentations will be posted. General information, funding information, and upcoming events will be available on the website. PEPO will have a page or two offering outreach and educational efforts.

This grant will cover the annual fee for hosting and maintenance and the website developer cost to build the website. The grant request does not include any contractor time who will work with the Roundtable, committees and management as the lead to create the outline, content, and design of the website and be the main contact with the web designer.

This grant will also support the efforts of implementing the Educational and Outreach Goals for the SWBRT Basin Implementation Plan through Education to Action Projects/Programs.

Discussion: This project is in alignment with Colorado Water Plan and the North Platte Basin Implementation Plan goals and objectives to continue to restore, maintain, and modernize critical water infrastructure to preserve current uses and increase efficiencies.

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

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

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

Funding Sources/Match	Cash	In-Kind	Total	Status
SW Basin Roundtable Committee Members	\$0	\$2,800	\$2,800	Secured
Sub-Total Matching Funds	\$0	\$2,800	\$2,800	
WSRF North Platte Basin Account	\$8,600	\$0	\$8,600	Secured
Total Project Costs	\$8,600	\$2,800	\$11,400	

CWCB Project Manager: Ben Wade

~INSTREAM FLOW ATTACHMENTS~

- 01 Instream Flow and Natural Lake Level Program Summary of Resolved Opposition Cases
- 02 Stream and Lake Protection Section De Minimis Cases

~LOAN PROGRAM ATTACHMENTS~

- 01 Water Project Loan Program Interest Rates
- 02 Prequalified Project list and Loan Prospect Summary
- 03 Design and Construction Status Report
- 04 Loan Repayment Delinquency Report
- 05 Construction Fund, Special Funds and Severance Tax Funds Non-Reimbursable Investments Status Report Fiscal Year 2020-2021

**Water Supply Reserve Fund
Water Activity Summary Sheet
CWCB Director Report**

Applicant & Grantee: James Lazzeri
Water Activity Name: Stumpy Creek Ranch Irrigation Efficiency Project
Water Activity Purpose: Agricultural, Nonconsumptive (Environmental) - Study & Implementation
County: Gunnison County
Drainage Basin: Gunnison River
Water Source: Stumpy Creek
Amount Requested: \$5,000 Gunnison Basin Account
\$5,000 Total Request
Matching Funds: **Basin Account Match** = \$2,000 (\$1,300 in-kind & \$700 cash)

- 28.5% of Total Project Cost (meets 25% min)

Staff Recommendation:
Staff recommends approval of up to \$5,000 from the Gunnison Basin Account to help fund the project: Stumpy Creek Ranch Irrigation Efficiency Project

Water Activity Summary: The applicant, Mr. Lazzeri, is the principal manager of Stumpy Creek Ranch which is a 300-acre ranch in Cimarron, CO. The ranch has historically been leased to a second family for livestock grazing centered on cow and calf production. Stumpy Creek Ranch irrigates approximately 150 acres with water rights provided by the Big Blue Ditch & pre-compact rights out of Stumpy Creek. The nearly 15,000 linear feet of inefficient dirt ditches used to distribute the water has not changed significantly since adjudication.

The goal of the proposal is to update the antiquated infrastructure of the ranch's irrigation system with more efficient infrastructure to increase water efficiency, decrease erosion and salinity, and ultimately work towards Colorado's goals of improved quality and quantity of stream and river flows.

The applicant is specifically seeking WSRF funding to hire a Technical Service Provider (TSP)/ certified engineer to design an updated irrigation system. Once the design is complete, potential funding from the NRCS will also be sought so that once the Engineering Plan is complete, construction can begin to install the irrigation infrastructure prescribed by the engineering analysis.

Stumpy Creek ranch owners will partner with Trout Unlimited and other parties on this project such as the newly forming Cimarron Valley and River Watershed coalition to ensure that benefits from efficiency gains can meet needs outside of the ranch.

If fully implemented, the applicant believes the proposal would achieve 100 acre-feet of efficiency savings and would achieve about 15,000 linear feet of new pipe installed.

Discussion: This project was not noticed as a project in the Gunnison Basin Implementation Plan but it does have needs and benefits which match the goals of the BIP. The project would protect existing uses, encourage continued Ag use and improve existing infrastructure. The applicant would also look to use any efficiency gains to benefit the local streams and environment.

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

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

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

Funding Sources/Match	Cash	In-Kind	Total	Status
James Lazzeri	\$700	\$1,000	\$1,700	Secured
Trout Unlimited	\$0	\$300	\$300	Secured
Sub-Total Matching Funds	\$700	\$1,300	\$2,000	
WSRF Gunnison Basin Account	\$5,000	\$0	\$5,000	Secured
Total Project Costs	\$5,700	\$1,300	\$7,000	

CWCB Project Manager: Ben Wade



Last Update: September 18, 2020

Colorado Water Conservation Board
Water Supply Reserve Fund Grant Application

<p>Instructions</p> <p>All WSRF grant applications shall conform to the current 2020 WSRF Criteria and Guidelines.</p> <p>To receive funding from the WSRF, a proposed water activity must be recommended for approval by a Roundtable(s) AND the approved by the Colorado Water Conservation Board (CWCBC). The process for roundtable consideration and recommendation is outlined in the 2020 WSRF Criteria and Guidelines. The CWCBC meets bimonthly.</p> <p>If you have questions, please contact the WSRF Grant Program Manager (for all Roundtables) or your Roundtable Liaison:</p> <table> <tr> <td> <p>Ben Wade ben.wade@state.co.us 303-866-3441 x3238 (office)</p> </td> <td> <p>Sam Stein Sam.stein@state.co.us 303-866-3441 (office)</p> </td> </tr> </table>	<p>Ben Wade ben.wade@state.co.us 303-866-3441 x3238 (office)</p>	<p>Sam Stein Sam.stein@state.co.us 303-866-3441 (office)</p>
<p>Ben Wade ben.wade@state.co.us 303-866-3441 x3238 (office)</p>	<p>Sam Stein Sam.stein@state.co.us 303-866-3441 (office)</p>	

<p>WSRF Submittal Checklist (Required)</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> This request was recommended for CWCBC approval by the sponsoring roundtable.</p> <p>YES I have read and understand the 2020 WSRF Criteria and Guidelines.</p> <p>YES Grantee will be able to contract with CWCBC using the Standard Contract.¹</p> <p>Application Documents included:</p> <p>YES Exhibit A: Statement of Work² (<i>Word – see Template</i>)</p> <p>YES Exhibit B: Budget & Schedule² (<i>Excel Spreadsheet – see Template</i>)</p> <p>YES Letters of Matching and/or Pending 3rd Party Commitments²</p> <p>YES Map²</p> <p>YES Photos/Drawings/Reports</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Letters of Support</p> <p>Contracting Documents³</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Detailed/Itemized Budget³ (<i>Excel Spreadsheet – see Template</i>)</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Certificate of Insurance⁴ (<i>General, Auto, & Workers' Comp.</i>)</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Certificate of Good Standing⁽⁴⁾</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> W-9 Form⁴</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Independent Contractor Form⁴ (<i>If applicant is individual, not company/organization</i>)</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Electronic Funds Transfer (ETF) Form⁴</p>

¹Click "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 CWCBC Project Manager to determine specifics.

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



Last Update: September 18, 2020

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

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

Water Activity Summary		
Name of Applicant	James Lazzeri	
Name of Water Activity	Stumpy Creek Ranch Irrigation Efficiency Project	
Approving Roundtable(s)		Basin Account Request(s) ¹
Gunnison		\$5,000
Basin Account Request Subtotal		\$5,000
Basin Account Request Subtotal Approved by Roundtable		\$
Statewide Account Request ⁽¹⁾		\$0
Total WSRF Funds Requested (Basin & Statewide)		\$5,000
Total Project Costs		\$7,000

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



Last Update: September 18, 2020

Grantee and Applicant Information	
Name of Grantee(s)	James Lazzeri
Mailing Address	7554 Juniper St., Arvada, CO 80007
FEIN	
Grantee's Organization Contact¹	Kate Dubas
Position/Title	Grantee's daughter
Email	kate@katedubasdesign.com
Phone	970.581.6522
Grant Management Contact²	
Position/Title	
Email	
Phone	
Name of Applicant (if different than grantee)	Kate Dubas
Mailing Address	1436 Winfield Drive
Position/Title	Daughter, POA
Email	kate@katedubasdesing.com
Phone	970.581.6522

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>Stumpy Creek Ranch is a 300-acre diversified ranch in Cimarron, CO. Ownership has been vested to the same entity/family for 49 years. James Lazzeri is the principal manager and decision maker. The ranch has historically been leased to a second family for livestock grazing centered around cow/calf production.</p>



Last Update: September 18, 2020

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
x	Private Individuals, Partnerships, and Sole Proprietors: are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
	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)	
x	Study
x	Implementation

Category of Water Activity (check all that apply)		
x	Nonconsumptive (Environmental)	
	Nonconsumptive (Recreational)	
x	Agricultural	
	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	Gunnison County
Latitude	38° 24' 22" N
Longitude	107° 28' 44" W



Last Update: September 18, 2020

Water Activity Overview
<p>Please provide a summary of the proposed water activity (200 words or less). Include a description of the activity and what the WSRF funding will be used for specifically (e.g. studies, permitting, construction). Provide a description of the water supply source to be utilized or the water body affected by the activity. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, area of habitat improvements. If this project addresses multiple purposes or spans multiple basins, please explain.</p>
<p>The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, and Schedule.</p>
<p>Stumpy Creek Ranch irrigates ~150 acres with water rights provided by the Big Blue Ditch & pre-compact rights out of Stumpy Creek. The ~15,000 linear feet of inefficient dirt ditches used to distribute the water has not changed significantly since adjudication.</p> <p>The goal of this proposal is to update the antiquated infrastructure of the ranch's irrigation system with more efficient infrastructure to increase water efficiency, decrease erosion and salinity, and ultimately work towards Colorado's goals of improved quality and quantity of stream and river flows.</p> <p>We are specifically seeking funding to hire a Technical Service Provider (TSP)/ certified engineer to design an updated irrigation system.</p> <p>Funding from the NRCS will also be sought so that once the Engineering Plan is complete, construction can begin to install the irrigation infrastructure prescribed by the engineering analysis.</p> <p>Stumpy Creek ranch owners will partner with Trout Unlimited and other parties on this project to ensure that benefits from efficiency gains can meet needs outside of the ranch. Applicants will engage with the newly forming Cimarron Valley and River Watershed coalition.</p>

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)
	Length of Stream Restored or Protected (linear feet)
100 acre-feet	Efficiency Savings (indicate acre-feet/year OR dollars/year)
	Area of Restored or Preserved Habitat (acres)
~15,000 linear feet	Length of Pipe/Canal Built or Improved (linear feet)
	Other Explain:



Last Update: September 18, 2020

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 [2020 WSRF Criteria and Guidelines](#)).

Modernization of Stumpy Creek Ranch's irrigation system would benefit our ranching operation, which commonly experiences impacts from poor water delivery systems, and improve flows in Big Blue and Stumpy Creeks. Increased water efficiency equates to increased usable forage production across the meadows and irrigated pasture. Modernization supports the Colorado Water Plan. Water in the streams and rivers in Colorado belongs to the people of Colorado. Modernization allows for efficient beneficial use of the people's water and would contribute towards the statewide initiatives to create a more sustainable water future. By addressing irrigation infrastructure deficiencies and analyzing infrastructure to guide future projects, this project will meet the primary goal of the Gunnison Basin Roundtable of protecting existing users.

Aerial photos are attached which detail the property line and ditches and also indicate the lengths of the ditches we would like to be considered for improvement.

This infrastructure improvement project is being undertaken to address multiple needs including agricultural, recreation and environmental needs. 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.

Efficiency improvements will address the need for a strong healthy environment including watersheds as highlighted in Chapter 1 of the Water Plan.

The project will also support the second goal of the Gunnison Basin Roundtable; *discouraging conversion of productive agricultural land to other uses* by ensuring that the ranch lands can access adequate water to maintain adequate productivity.

By improving the efficiency of irrigation and associated ditches, the project will meet goal 5 listed in the BIP – *protecting environmental and recreational water uses*, as well as goal 7 – *encourage beneficial relationship between agricultural and environmental & recreational water uses*.

Goal 8 of the BIP will be supported by restoring and modernizing the infrastructure along the ditch.

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



Last Update: September 18, 2020

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 2020 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind)
Trout Unlimited	\$300 (in-kind)
Applicant	\$700 (cash)
Applicant	\$1,000 (in-kind)
Total Match	\$2,000
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 2020 WSRF Criteria and Guidelines . At least of 10% of the required Statewide Account Grant request match shall be cash from Basin Account funds whether that is from one or multiple basins; and the remaining 40% of the required match may be provided from any source, including other grants, cash from the Basin Account, or any combination of cash, in-kind services, or in-kind materials and shall be accompanied by a letter of commitment . Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind):
Total Match	\$
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	

Related Studies
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.
none

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
none

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.

Stumpy Creek Ranch

April 20, 2021

1313 Sherman St., Rm 721
Denver, CO 80203

Dear Mr. Wade:

This letter is in reference to our grant application with the Colorado Water Conservation Board. Please use this letter as the match commitment, from my family, for the Stumpy Creek Ranch project in Cimarron, CO for which we applied for said grant.

Our plan would be to contribute \$1,000 (\$700 cash, \$1,000 in-kind) towards Task 1 as described in the Statement of Work. Please let me know if there is anything else you need from my end.

Sincerely,

Kate Dubas



April 20, 2021, 2021

Gunnison Basin Roundtable &
Colorado Water Conservation Board
1313 Sherman St.
Room 718
Denver, CO 80203

Re: Stumpy Creek Ranch Irrigation Efficiency Project

Gunnison Basin Roundtable and CWCB Board,

Trout Unlimited (TU), the Nation's largest coldwater conservation organization, is committed to protecting and improving our fisheries and their watersheds. TU strives to develop and promote win-win projects that maximize the efficiency of diverted water to support healthy agricultural production along with healthy fisheries, like the Stumpy Creek Ranch Irrigation Efficiency Project.

TU has worked with the owners of the Stumpy Creek Ranch on the development of the project and grant application. We and applaud their efforts to improve water use efficiency on the Stumpy Creek ranch and the Big Blue ditch. This work is critical to protecting the fisheries in the Cimarron and Blue Creek watersheds.

TU has committed to provide in excess of \$300 of in-kind support to the engineering analysis of supply ditches for Stumpy Creek Ranch, including the Big Blue ditch.

Sincerely,

Cary Denison, Trout Unlimited
Gunnison Basin Project Manager

March 24, 2021

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

Re: Stumpy Creek Ranch Irrigation Efficiency Project

Dear Mr. Wade,

I am writing on behalf of the Gunnison Basin Roundtable to let you know that the members voted unanimously to support the use of \$5000 of WSRF Basin funds for the Stumpy Creek Ranch Irrigation Efficiency Project. The grant request was for the improvement of the delivery and irrigation efficiency structures of Stumpy Creek Ranch, located in the Cimmaron River/ Blue River drainage. The request is from a private landowner, originally for \$20,000 to design and begin construction on improvements, with completion depending on funding from NRCS. While this project was not noticed as a project in the BIP, it does have needs and benefits which match the goals of the BIP. The project would protect existing uses, encourage continued ag use and improve existing infrastructure. The applicant would also look to use any efficiency gains to benefit the local streams and environment.

The Roundtable supports funding the design phase of the project with a \$5000 grant from the Basin Funds account, specifically dedicated towards design of ditch improvements, not on farm irrigation design. The applicant may apply for further funds after the design phase. Thank you for your consideration and as always if you would like additional information please let me know.

Regards,

Kathleen Curry

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



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:	1.29.2020
Water Activity Name:	Stumpy Creek Ranch Irrigation Efficiency Project
Grant Recipient:	James Lazzeri
Funding Source:	Gunnison Basin Account WSRF Funds
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>Stumpy Creek Ranch has approximately 150 irrigated acres. The primary water rights are the Big Blue Ditch, a mutual ditch company and the number one priority right out of Stumpy Creek that dates prior to 1900. The 15-20,000 linear feet of inefficient dirt ditches used to distribute the water has not changed significantly since adjudication.</p> <p>The goal of this project is to update the antiquated infrastructure of the ranch's irrigation system with a modern sustainable one to greatly increase water efficiency, decrease erosion, salinity, and ultimately work towards Colorado's goals of supporting existing uses while improving quality and quantity of stream and river flows.</p> <p>We are specifically seeking funding to complete task 1 of our plan and will be simultaneously seeking funding through the NRCS to complete the second phase of the project.</p> <p>Task 1: Hire a Technical Service Provider (TSP)/certified engineer to design an improved on-ranch irrigation system and provide assessment of Blue Creek ditch infrastructure related to Stumpy Creek Ranch.</p>	
Objectives: (List the objectives of the project. (PLEASE DEFINE ACRONYMS).)	
<p>By improving irrigation efficiency on the ranch and related ditch infrastructure, we intend to meet the following objectives:</p> <ol style="list-style-type: none">1. Maximize beneficial use of diverted water2. Improve efficiency and reduce labor inputs3. Protect water rights4. Help meet needs of Big Blue ditch users5. Improve streamflows	

Tasks



Last Update: March 17, 2020

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

Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)

Task 1 - Engineering/Planning

Description of Task:

Hire a Technical Service Provider (TSP)/certified engineer to design an updated irrigation system.

Method/Procedure:

Grantee will seek out and hire TSP/certified engineer to create the overall plan.

Grantee will provide engineer with historical knowledge and first-hand experience with the land/creeks/ditches and will be available to help create a realistic, sustainable plan. Grantee will coordinate communications between engineer and other water users on Big Blue ditch.

TSP will evaluate irrigation needs and existing infrastructure on the ranch to create irrigation improvement plan.

Grantee, neighboring water users, project partners and TSP will evaluate water demands and infrastructure on Big Blue Ditch related to Stumpy Creek Ranch.

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

A contract with a qualified TSP to complete the work described. A list of recommendations for improvements and engineering for on-ranch irrigation projects along with a description of crop water demands and other pertinent information.

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

Description of the hiring process, list of recommendations from TSP, and highlights from the process. Final design of the irrigation system.

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:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.



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

- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

Payments

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

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

Performance Requirements

Performance measures for this contract shall include the following:

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

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

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

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

Last Update: December 17, 2019



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Water Supply Reserve Fund

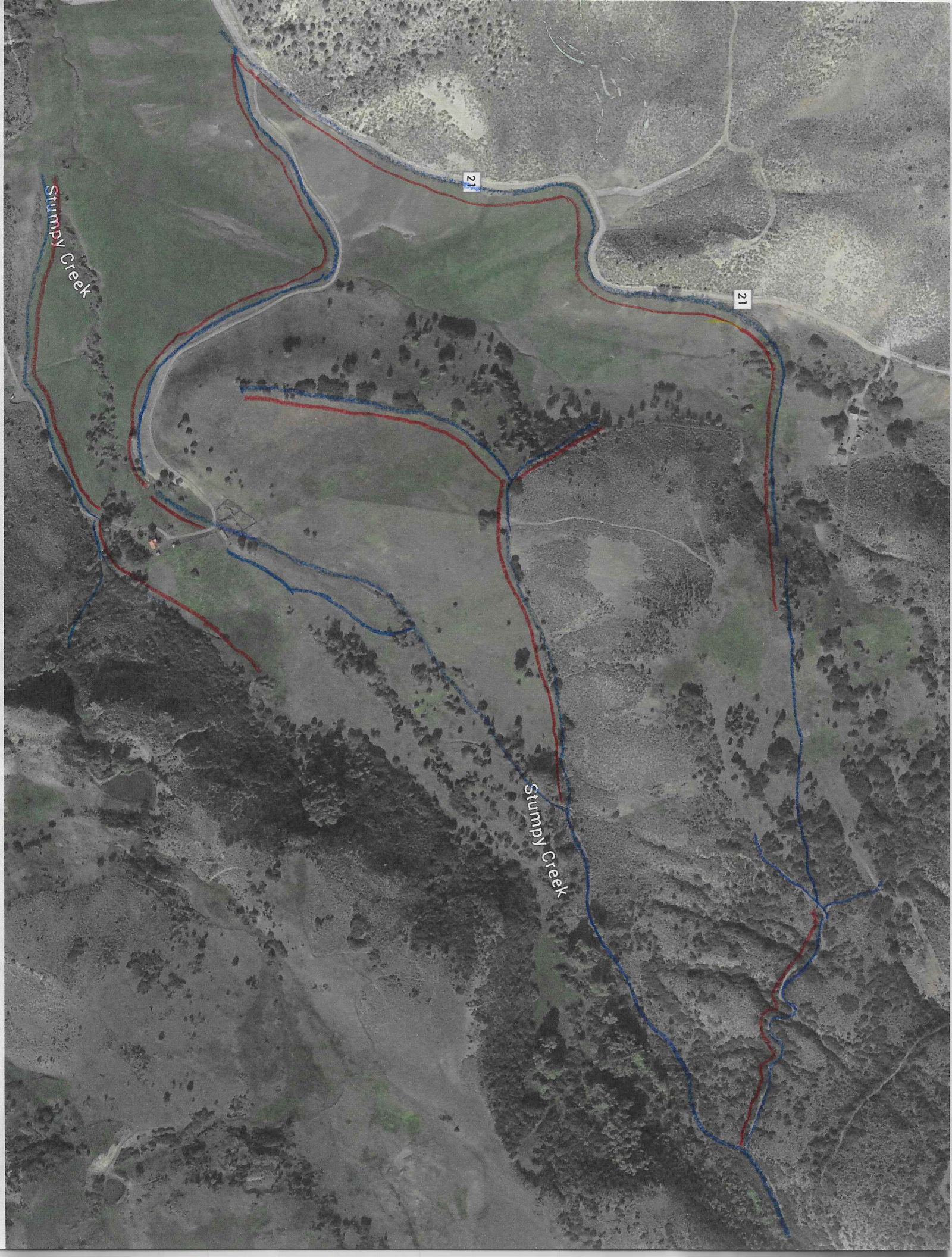
EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs

Date: 1.29.2021

Water Activity Name: Stumpy Creek Ranch Irrigation Efficiency Project

Grantee Name: James Lazzeri

<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	Engineering/Planning	6.2021	8.2022	\$2,000	\$5,000	\$7,000
Total				\$2,000	\$5,000	\$7,000



**Water Supply Reserve Fund
Water Activity Summary Sheet
July 21-22, 2021
CWCB Director Report**

Applicant & Grantee: Trout Unlimited

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

Water Activity Purpose: Agricultural, Nonconsumptive (Environmental & Recreational) - Implementation

County: Delta County

Drainage Basin: Gunnison River

Water Source: North Fork River

Amount Requested: \$20,000 Gunnison Basin Account
\$20,000 Total Request

Matching Funds: **Basin Account Match** = \$421,410 (\$386,410 cash & \$35,050 in-kind)
• 44.4% of Total Project Cost (meets 25% min)

Staff Recommendation:
Staff recommends approval of up to \$20,000 from the Gunnison Basin Account to help fund the project: Stewart Mesa Canal Diversion Modification & Restoration Project

Water Activity Summary: The Stewart Mesa Canal Diversion is now a 1,200-foot-long push-up dam and an undersized and antiquated headgate. The dam structure as created elevates water to allow for diversion at low flows. At high flow, the river breaks through rock and cobble dam and overtops the diversion structure. The dam also pushes water to the north bank away from the diversion during high flows causing erosion and 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. The canal intake removes fish from the river due to the dam and diversion configuration.

Within this proposal, Trout Unlimited and partners will survey the river and diversion works to construct conceptual designs and two dimensional hydraulic models to evaluate design options and methods for creating water surface elevations necessary to divert water while allowing fish passage and addressing erosion. Design options will be evaluated by partners and stakeholders to develop a final design. Final design will be used to select contractors who will construct the new diversion structure.

The applicant states this proposal will result in 15,000 linear feet of stream restored, four acres of habitat preserved or restored and can improve boater safety while improving irrigation water use efficiency.

Discussion: The Toponas Project proposal is consistent with the Colorado Roundtable's Basin Implementation Plan, in particular, its objectives of sustaining agriculture and maintaining existing infrastructure for the maximum utilization of the associated water rights.

Issues/Additional Needs: The Gunnison Basin Roundtable supports the project in concept, because it is a multi-beneficiary Tier 1 Basin Implementation Plan project. However, the GBRT Chair indicated in the support letter that the Roundtable supported amount of \$20,000 is less than the original request of \$65,000 due to limited basin account funds available for the next three years and because the construction phase is not scheduled until September of 2022. The Roundtable has encouraged the applicant to re-apply for further funding when the design is complete.

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

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

Funding Sources/Match	Cash	In-Kind	Total	Status
Trout Unlimited	\$5,000	\$20,500	\$25,500	Secured
Western Slope Conservation Center	\$9,410	\$3,000	\$12,410	Secured
US Fish & Wildlife Service	\$60,000	\$0	\$60,000	Secured
CWCB Watershed Restoration Grant	\$22,000	\$0	\$22,000	Secured
NRCS RCPP Fund	\$210,000	\$0	\$210,000	Secured
NRCS Additional Grant Funds	\$80,000	\$0	\$80,000	Secured
Stewart Mesa Ditch Company	\$0	\$11,550	\$11,550	Secured
Sub-Total Matching Funds	\$386,410	\$35,050	\$421,410	
WSRF Gunnison Basin Account	\$20,000	\$0	\$20,000	Secured
Total Project Costs	\$406,410	\$35,050	\$441,460	

CWCB Project Manager: Andrea Harbin Monahan



Last Update: September 18, 2020

Colorado Water Conservation Board
Water Supply Reserve Fund Grant Application

Instructions
<p>All WSRF grant applications shall conform to the current 2020 WSRF Criteria and Guidelines.</p> <p>To receive funding from the WSRF, a proposed water activity must be recommended for approval by a Roundtable(s) AND the approved by the Colorado Water Conservation Board (CWCB). The process for roundtable consideration and recommendation is outlined in the 2020 WSRF Criteria and Guidelines. The CWCB meets bimonthly.</p> <p>If you have questions, please contact the WSRF Grant Program Manager (for all Roundtables) or your Roundtable Liaison:</p> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>Ben Wade ben.wade@state.co.us 303-866-3441 x3238 (office)</p> </div> <div style="text-align: center;"> <p>Sam Stein Sam.stein@state.co.us 303-866-3441 (office)</p> </div> </div>

WSRF Submittal Checklist (Required)
<p>YES <input type="checkbox"/> NO <input type="checkbox"/> This request was recommended for CWCB approval by the sponsoring roundtable.</p> <p>YES <input type="checkbox"/> <input type="checkbox"/> I have read and understand the 2020 WSRF Criteria and Guidelines.</p> <p>YES <input type="checkbox"/> <input type="checkbox"/> Grantee will be able to contract with CWCB using the Standard Contract.¹</p> <p style="text-align: center; margin-top: 20px;">Application Documents included:</p> <p>YES <input type="checkbox"/> <input type="checkbox"/> Exhibit A: Statement of Work² (<i>Word – see Template</i>)</p> <p>YES <input type="checkbox"/> <input type="checkbox"/> Exhibit B: Budget & Schedule² (<i>Excel Spreadsheet – see Template</i>)</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Letters of Matching and/or Pending 3rd Party Commitments²</p> <p>YES <input type="checkbox"/> <input type="checkbox"/> Map²</p> <p>YES <input type="checkbox"/> <input type="checkbox"/> Photos/Drawings/Reports</p> <p>NO <input type="checkbox"/> <input type="checkbox"/> Letters of Support</p> <p style="text-align: center; margin-top: 20px;">Contracting Documents³</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Detailed/Itemized Budget³ (<i>Excel Spreadsheet – see Template</i>)</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Certificate of Insurance⁴ (<i>General, Auto, & Workers' Comp.</i>)</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Certificate of Good Standing⁽⁴⁾</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> W-9 Form⁴</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Independent Contractor Form⁴ (<i>If applicant is individual, not company/organization</i>)</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> Electronic Funds Transfer (ETF) Form⁴</p>

¹Click "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.



Last Update: September 18, 2020

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

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

Water Activity Summary		
Name of Applicant	Trout Unlimited	
Name of Water Activity	Stewart Mesa Canal Diversion Modification and Restoration Project	
Approving Roundtable(s)	Basin Account Request(s) ¹	
Gunnison Basin	\$65,000	
Basin Account Request Subtotal	\$65,000	
Basin Account Request Subtotal Approved by Roundtable		
Statewide Account Request ⁽¹⁾	\$0	
Total WSRF Funds Requested (Basin & Statewide)	\$65,000	
Total Project Costs	\$489,560	

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

Grantee and Applicant Information	
Name of Grantee(s)	Trout Unlimited
Mailing Address	1777 N. Kent Street Arlington, VA 22209
FEIN	38-1612715



Last Update: September 18, 2020

Grantee and Applicant Information	
Grantee's Organization Contact¹	Cary Denison
Position/Title	Project Manager
Email	cdenison@tu.org
Phone	970-596-3291
Grant Management Contact²	Danielle Typinski
Position/Title	Grants Compliance Officer
Email	dtypinski@tu.org
Phone	(703) 284-9429
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 (TU) is the nation's largest coldwater conservation organization with approximately 150,000 volunteers and roughly 277 employees nationwide, working to protect, reconnect, restore and sustain America's fisheries. TU's volunteers and their local chapter groups work on a variety of initiatives that meet the unique needs of their watersheds.</p> <p>TU's focus in the Gunnison Basin is to find win-win solutions to water supply and infrastructure issues by collaborating with water users and water managers. TU has completed numerous projects in the Gunnison basin similar to the project described herein.</p>

Type of Eligible Entity (check one)
<input type="checkbox"/> 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.
<input type="checkbox"/> Public (Districts): authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises
<input type="checkbox"/> Private Incorporated: mutual ditch companies, homeowners associations, corporations



Last Update: September 18, 2020

Type of Eligible Entity (check one)	
	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	
	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/Countries	Delta
Latitude	38° 54' 53" N
Longitude	107° 32' 39" W

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.



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Water Activity Overview
<p>The Stewart Mesa Canal Diversion is now a 1200-foot-long push-up dam and an undersized and antiquated headgate. The dam structure has been created elevates water to allow for diversion at low flows. At high flow the river breaks through rock and cobble dam and overtops the diversion structure. The dam also pushes water to the north bank away from the diversion during high flows causing erosion and 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. The canal intake removes fish from the river due to the dam and diversion configuration.</p> <p>Within this project, TU and partners will survey the river and diversion works to construct conceptual designs and 2 dimensional hydraulic models to evaluate design options and methods for creating water surface elevations necessary to divert water while allowing fish passage and addressing erosion. Design options will be evaluated by partners and stakeholders to develop a final design. Final design will be used to select contractors who will construct the new diversion structure.</p>

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)	
15,000	Length of Stream Restored or Protected (linear feet)	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
4	Area of Restored or Preserved Habitat (acres)	
	Length of Pipe/Canal Built or Improved (linear feet)	
X	Other	Explain: Improves boater safetyand improves irrigation water use efficiency

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



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Water Activity Justification

This infrastructure improvement project is being undertaken to address multiple needs including agricultural use, recreation and environmental needs. 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.

By implementing this project, the project partners, with help from the State will be addressing what the Water Plan refers to as one of the key Values which is - A strong environment that includes healthy watersheds, rivers and streams, and wildlife. (Chapter 1 page 6 WP)

The concept of protecting agriculture along with environment needs is discussed on page 18 of Section 6.2 – Water Supply Management. The Stewart diversion modification project addresses that concept by protecting senior water rights while reducing impacts on the environment and other water users. By completing the structural improvements, the partners will ensure that all lands under the ditch will have access to water and the impacts of the diversion are mitigated.

The goal of promoting “restoration, recovery, sustainability, and resiliency of endangered, threatened, and imperiled aquatic- and riparian-dependent species and plant communities” is listed on page one of Section 6.6 of the Water Plan. While the primary goal of this project is to restore agricultural irrigation infrastructure it will also meet the environmental goals listed by the Water Plan.

This project will help achieve the following basin goals of the Basin Implementation Plan (p.28):

The primary goal is to protect existing water uses this will be achieved by improving the infrastructure necessary to divert, measure and control water. The Boles and Manny Ditch was originally put into use in 1881 and was adjudicated in 1890 and has been used since that time.

The project will also support the second goal of the Gunnison Basin Roundtable; discouraging conversion of productive agricultural land to other uses by ensuring that the lands under the ditch can easily access the amount of water they need to produce crops.

By improving the efficiency along with the diversion structure and reclaiming the disturbed lands around the diversion, the project will meet goal 5 – protecting environmental and recreational water uses, as well as goal 7 – encourage beneficial relationship between agricultural and environmental & recreational water uses. There are populations of bluehead sucker, flannelmouth sucker, and roundtail Chub, the native fishes commonly referred to as the “three species” which are considered species of special concern, in the North Fork river along with populations of non-native trout, and important game fish and recreational driver. Screening the diversion will improve the populations of all fish that rely on this river as well as other species that rely on those fish.

Goal 8 of the BIP will be supported by restoring and modernizing the infrastructure along the ditch. The Stewart Ditch headgate and diversion works is antiquated, difficult to operate and results in unnecessary expenses.

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



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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 2020 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind)
Trout Unlimited	\$ 20,500 (in-kind)
Trout Unlimited (State and local chapters)	\$ 5,000 (cash)
Western Slope Conservation Center	\$ 9,410 (cash)
Western Slope Conservation Center	\$ 3,000 (in-kind)
US Fish and Wildlife Service	\$60,000 (cash)
CWCB Watershed Restoration Fund	\$22,000 (cash)
NRCS RCPP	\$210,000 (cash)
Stewart Mesa Ditch Company	\$11,550 (in-kind)
NRCSAdditional Grand Funds	\$80,000
Total Match	\$424,560
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 2020 WSRF Criteria and Guidelines . At least of 10% of the required Statewide Account Grant request match shall be cash from Basin Account funds whether that is from one or multiple basins; and the remaining 40% of the required match may be provided from any source, including other grants, cash from the Basin Account, or any combination of cash, in-kind services, or in-kind materials.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):



Last Update: September 18, 2020

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.
North Fork of the Gunnison River, Environmental and Recreation Needs Assessment, 2017 Western Slope Conservation Center. Funded by CWCB
North Fork of the Gunnison River Irrigation Management Plan, 2017. JUB Engineers/North Fork Water Conservancy District. Funded by CWCB

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				
Project Name	Basin RT	CWCB meeting	PO or contract #	
1) Irrigation Efficiency and its Effects in Northwestern Colorado	Yampa/White	21-Jan	202000002712	
2) Granby Diversion Structure Improvement Project.	Colorado	21-Jan	CTGG1 2020*2708	
3) Evaluating Conserved Consumptive Use in the Upper Colorado River	Colorado	20-Mar	CTGG1 2020-2976	
4) Canyon Creek Fish Passage Project	Colorado	20-Jul	in process	
5) Upper Gunnison multiple diversion project.	Gunnison	20-Jan	PDAA,202100002108	
6) Applying Technology to Monitor CU and grass yeild	Gunnison	20-Jan	PDA,202100002064	
7) Conejos Meadows Resilient Habitat Project	Rio Grande	20-Jan	PDA,202100002064	
8) Lower Elkhead Crk. Restoration Project-Phase 1	Yampa/White	20-Jan	CMS #164227	
9) Colorado River Connectivity Channel	Colorado	Jan-21	CMS 162919	
10) Boles and Manny Ditch Infrastructure Improvement	Gunnison	Jan-21	PDAA,202100002597	
11) Blue River-Integrated Water Mgt. Plan-Phase 2.	Colorado	21-Jan		
12) Upper Gunnison Water, Forest and Range Resiliency	Gunnison	21-Jan		



Previous CWCB Grants				
13) Stewart Mesa Canal Diversion Modification and Restoration Project- WRF	Gunnison	Jan-21		
14) Vouga Reservoir Rehabilitation	Gunnison	pending		
15) Copeland Elk Creek Ditch Efficiency	Gunnison	pending		
16) Lawrence Ditch Diversion Improvement	Gunnison	pending		

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.	



March 3, 2021

Gunnison Basin Roundtable
Colorado Water Conservation Board
1313 Sherman St.
Room 718
Denver, CO 80203

Re: Stewart Mesa Ditch Diversion Improvement

Gunnison Basin Roundtable and CWCB Board,

We are providing this letter to express our support of the Stewart Mesa Ditch company's efforts to secure funding for the improvement of the Stewart Ditch diversion and to affirm the financial and in-kind contributions for the project.

Trout Unlimited, the nations largest coldwater conservation organization, is wholly committed to protecting and improving our fisheries and their watersheds. TU strives to forward projects like the Stewart Ditch Diversion project because collaborative efforts that address the needs of water users as well as the health of the watersheds

Gunnison Gorge Anglers, local volunteer chapter of Trout Unlimited, has pledged \$5,000 in cash to support the design phase of the project. TU has also pledged \$20,500 of in-kind support for the project. This in-kind will be provided by TU staff and volunteers.

TU has contacted neighboring landowners, other agencies who may provide support to the project as well as hydraulic engineers to begin the process of preliminary engineering for the in-river components of the project. TU is experienced in these types of projects and believes our experience will prove valuable to the ditch company and others who benefit from this project.

We encourage you to provide funding to support this important multi-benefit project.

Sincerely,

Cary Denison, Trout Unlimited
Gunnison Basin Project Manager

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

February 26, 2021

Colorado River Water Conservancy District
201 Centennial, Suite 200
Glenwood Springs, CO 81601

Dear River District board and Staff:

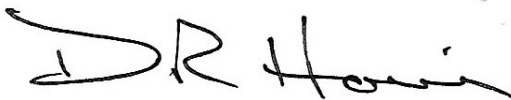
I am providing this letter to express my full support for the Stewart Mesa Ditch improvement project and the ditch company's request for grant funding. I am the owner of the Lazy H Ranch that is located immediately upriver from the Stewart Mesa ditch diversion; in fact, the ranch intersects the upstream portion of the existing push-up dam.

Our ranch has made considerable efforts to improve the fishery and health of the river in recent years. These efforts include improving fish habitat by adding in river structures, increasing irrigation efficiency, and working with Colorado Department of Transportation to address erosion issues.

Improving the diversion structure will support a healthy riparian corridor, reconnect the river for fish, reduce fish loss in the canal, reduce instream construction work that disturbs the river while improving operating efficiencies for the water users. These benefits to the river will improve the river for all its users and stand as an example for other irrigation water users on the North Fork of the Gunnison.

We look forward to supporting this project and working with all the various partners who are helping implement this win-win project.

Sincerely,

A handwritten signature in black ink, appearing to read "D R Harris". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Doug Harris

February 26, 2021

Colorado River Water Conservancy District
201 Centennial, Suite 200
Glenwood Springs, CO 81601

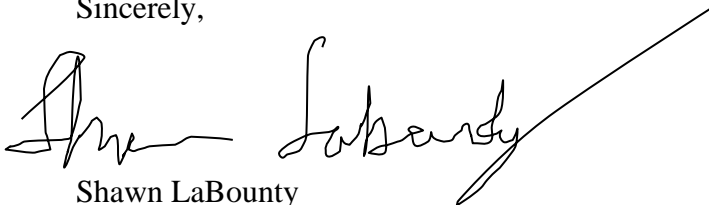
Dear River District board and Staff:

My name is Shawn LaBounty. I own property downstream of the Stewart Ditch diversion and am an avid user of the North Fork of the Gunnison River corridor. I have been rafting the section of river where the Stewart ditch diversion is located for the past thirty years. I am providing this letter to express support for the Stewart Mesa Ditch improvement project and the ditch company's request for grant funding because I know the difficulties the ditch company has had maintaining water flow, and the difficulties reworking the riverbed has caused for all of the river users.

Quite frequently, there have been instream excavations and fill needed to rework the riverbed to divert water into the ditch. Each of these river bed alterations delivers a challenge to river users running the river on a raft. I have had to portage the structure and make rather extreme maneuvers to avoid catastrophe at the diversion to avoid peril for my passengers and myself.

Constructing a structure that is stable, secure and permanent that provides the right amount of water and keeps water instream will help all of the users of the North Fork River and the users of the Stewart Ditch. I am all for the project.

Sincerely,

A handwritten signature in black ink, appearing to read 'Shawn LaBounty', with a long, sweeping horizontal line extending to the right.

Shawn LaBounty
Phone: 970-234-3125



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, flannelmouth 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
SPONHOLTZ**

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

Digitally signed by PAMELA
SPONHOLTZ
Date: 2020.11.05 11:55:09 -07'00'

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



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:	2/1/2021
Water Activity Name:	Stewart Mesa Canal Diversion Modification and Restoration Project
Grant Recipient:	Trout Unlimited
Funding Source:	CWCB Water Supply Reserve Fund
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). 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. 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. This project will design and construct a diversion structure that will address in-river issues, improve water management while screening debris and fish from entering the ditch.	
Objectives: (List the objectives of the project. (PLEASE DEFINE ACRONYMS). 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	



Last Update: March 17, 2020

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

Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<u>Task 1 - Conceptual Design and analysis</u>
Description of Task:
<p>This task will create conceptual designs and analyze them using 2 dimensional hydraulic models.</p> <p>The concepts will examine different flow regimes and construction layouts of both the in-river improvements as well as the diversion infrastructure.</p>
Method/Procedure:
<p>Professional engineers will survey the Stewart Canal diversion and surrounding area. The survey data will be used along with historic flow and runoff predictions to estimate flow conditions including top of water elevations and velocities under varying conditions. This data will be entered into a USBR's SRH-2D hydraulic modeling program which will show how the changes in river shape and ditch intake will interact with the river at different flow rates. These models will also be used to determine the how to best prevent debris and fish from entering the diversion.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
<p>Conceptual design reports and feedback from water users relative to the design.</p>
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
<p>Report describing design and review process that capture and highlights major benchmarks and obstacles.</p>

Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<u>Task 2 - Final Design</u>
Description of Task:



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

Tasks
Professional engineers will create final engineered plans that included structural specifications, location, installation instructions, material specifications and other information relevant to final construction of the diversion.
Method/Procedure:
By using the conceptual design information engineers will prepare full final plans of diversions structure, headgate and restoration features.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Full set of final plans and report on process.
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.

Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<u>Task 3 - Construction</u>
Description of Task:
Selection of contractor and construction.
Method/Procedure:
Through a request for proposal to local contractors, TU will select a construction contractor with experience and capabilities to complete the build as designed. Selected contractor will complete, dewatering, material staging, demolition, excavation, material placement, bank stabilization, final grading and other tasks necessary to complete the structure as designed.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Modified and improved diversion structure and in-river features that meet the project objectives.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)



Last Update: March 17, 2020

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

Tasks
A description construction process including photos, as built information, and description of issues that may have impacted the build.

Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<u>Task 4 – Project Monitoring</u>
Description of Task:
Trout Unlimited and project partners will monitor the project after construction for one year.
Method/Procedure:
TU staff and volunteers along with project parts will visit the site regularly and in varying flow levels to assess how the diversion is performing and if project objectives are being met.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Reports, photos and lists of issues identified.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Project reporting including summary of issues found, photographs of project site, and description of issues identified and how they were or could be rectified.

Tasks
Provide a detailed description of each task using the following format:
<u>Task 5 – 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.
Method/Procedure:



Last Update: March 17, 2020

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

Tasks
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 reports on progress of the project 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 <u>excel format</u> . 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: March 17, 2020

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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

2/1/2027

Water Activity Name: Stewart Mesa Canal Diversion Modification and Restoration 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	Conceptual Design	March, 2021	September, 2021	\$31,000	\$0	\$31,000
2	Final Design	December, 2021	April, 2022	\$8,000	\$25,000	\$33,000
3	Construction	September, 2022	December, 2022	\$353,500	\$31,100	\$384,600
4	Monitoring	April, 2022	July, 2023	\$6,000	\$0	\$6,000
5	Grant Administration and Project Management	March, 2021	August, 2023	\$26,060	\$8,900	\$34,960
Total				\$424,560	\$65,000	\$489,560

**Water Supply Reserve Fund
Water Activity Summary Sheet
CWCB Director Report**

Applicant & Grantee: San Juan Resource Conservation & Development

Water Activity Name: Southwest Basins Roundtable Website; SW Basin BIP Education and Outreach

Water Activity Purpose: Agricultural, Nonconsumptive (Environmental & Recreational) - Implementation

County: Archuleta, Dolores, Hinsdale, La Plata, Mineral, Montezuma, Montrose, San Juan & San Miguel Counties

Drainage Basin: Southwest Basin

Water Source: N/A

Amount Requested: \$8,600 Southwest Basin Account
\$8,600 Total Request

Matching Funds: **Basin Account Match = \$2,800 (in-kind)**
• 25% of Total Project Cost (meets 25% min)

Staff Recommendation:
Staff recommends approval of up to \$8,600 from the Southwest Basin Account to help fund the project: Southwest Basins Roundtable Website; SW Basin BIP Education and Outreach

Water Activity Summary: The Southwest Basins Roundtable (SWBRT) is in need of a dedicated website. Currently, the SWBRT has a page on the Water Information Program website which is not sufficient for its needs. If approved, funding for a new website will provide an opportunity for updating Roundtable information, having more space and pages for all of the documents and public information and meeting information.

The applicant states that having a dedicated website will provide ease for Roundtable members, stakeholders, and interested parties throughout the basin and state to access the website for information regarding Roundtable and Public Education, Participation & Outreach (PEPO) business. This website will provide the ability to highlight the progress and successes of the Southwest Basins Implementation Plan (BIP). An interactive story map page will illustrate the SWBRT BIP projects, data, and links to efforts in the SW Basin that are instrumental in informing Roundtable members, stakeholders and interested parties. The Roundtable meeting minutes, agendas, and presentations will be posted. General information, funding information, and upcoming events will be available on the website. PEPO will have a page or two offering outreach and educational efforts.

This grant will cover the annual fee for hosting and maintenance and the website developer cost to build the website. The grant request does not include any contractor time who will work with the Roundtable, committees and management as the lead to create the outline, content, and design of the website and be the main contact with the web designer.

This grant will also support the efforts of implementing the Educational and Outreach Goals for the SWBRT Basin Implementation Plan through Education to Action Projects/Programs.

Discussion: This project is in alignment with Colorado Water Plan and the North Platte Basin Implementation Plan goals and objectives to continue to restore, maintain, and modernize critical water infrastructure to preserve current uses and increase efficiencies.

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

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

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

Funding Sources/Match	Cash	In-Kind	Total	Status
SW Basin Roundtable Committee Members	\$0	\$2,800	\$2,800	Secured
Sub-Total Matching Funds	\$0	\$2,800	\$2,800	
WSRF North Platte Basin Account	\$8,600	\$0	\$8,600	Secured
Total Project Costs	\$8,600	\$2,800	\$11,400	

CWCB Project Manager: Ben Wade



Last Update: September 18, 2020

Colorado Water Conservation Board
Water Supply Reserve Fund Grant Application

Instructions

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

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

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

Ben Wade ben.wade@state.co.us 303-866-3441 x3238 (office)	Sam Stein Sam.stein@state.co.us 303-866-3441 (office)
---	--

WSRF Submittal Checklist (Required)

YES	This request was recommended for CWCB approval by the sponsoring roundtable.
YES	I have read and understand the 2020 WSRF Criteria and Guidelines .
YES	Grantee will be able to contract with CWCB using the Standard Contract . ¹
Application Documents included:	
YES	Exhibit A: Statement of Work ² (<i>Word – see Template</i>)
YES	Exhibit B: Budget & Schedule ² (<i>Excel Spreadsheet – see Template</i>)
YES <input type="checkbox"/> NO <input type="checkbox"/>	Letters of Matching and/or Pending 3 rd Party Commitments ²
YES <input type="checkbox"/> NO <input type="checkbox"/>	Map ²
YES <input type="checkbox"/> NO <input type="checkbox"/>	Photos/Drawings/Reports
YES <input type="checkbox"/> NO <input type="checkbox"/>	Letters of Support
Contracting Documents³	
YES <input type="checkbox"/> NO <input type="checkbox"/>	Detailed/Itemized Budget ³ (<i>Excel Spreadsheet – see Template</i>)
YES <input type="checkbox"/> NO <input type="checkbox"/>	Certificate of Insurance ⁴ (<i>General, Auto, & Workers' Comp.</i>)
YES <input type="checkbox"/> NO <input type="checkbox"/>	Certificate of Good Standing ⁽⁴⁾
YES <input type="checkbox"/> NO <input type="checkbox"/>	W-9 Form ⁴
YES <input type="checkbox"/> NO <input type="checkbox"/>	Independent Contractor Form ⁴ (<i>If applicant is individual, not company/organization</i>)
YES <input type="checkbox"/> NO <input type="checkbox"/>	Electronic Funds Transfer (ETF) Form ⁴

¹Click "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.



Last Update: September 18, 2020

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

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

Water Activity Summary	
Name of Applicant	San Juan Resource Conservation & Development
Name of Water Activity	Southwest Basins Roundtable Website; SW Basin BIP Education and Outreach
Approving Roundtable(s)	Basin Account Request(s) ¹
Southwest Basins Roundtable	\$8,600 (Cash)
In-kind Match – SW Basins Roundtable Committee Meetings and Input	\$2,800 (In-kind)
Basin Account Request Subtotal	\$8,600
Basin Account Request Subtotal Approved by Roundtable	\$
Statewide Account Request ⁽¹⁾	\$
Total WSRF Funds Requested (Basin & Statewide)	\$8,600
Total Project Costs	\$11,400

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



Last Update: September 18, 2020

Grantee and Applicant Information	
Name of Grantee(s)	San Juan Resource Conservation & Development Council
Mailing Address	P.O. Box 1006, Durango, Colorado 81302
FEIN	74-2408579
Grantee's Organization Contact¹	Jessica Laitsch
Position/Title	Project's Manager/Executive Director
Email	sjrkd@hotmail.com
Phone	970-382-9371
Grant Management Contact²	Elaine Chick
Position/Title	Program Manager
Email	elaine@waterinfo.org
Phone	970-759-8818
Name of Applicant (if different than grantee)	Southwest Basin Roundtable
Mailing Address	C/O Edward Tolen – PO Box 1377, Ignacio, CO 81137
Position/Title	Ed Tolen, Roundtable Chair
Email	etolen@laplawd.org
Phone	970-442-1303

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>The project applicant is the Southwest Basin Roundtable. A fiscal agent, San Juan Resource Conservation and Development Council (SJRCDC), will be used to manage the financial aspects of the grant. SJRCDC was established in 1972 for the purpose of helping residents of southwest Colorado to use, protect and improve natural, cultural, historic and economic resources. SJRCDC helps local groups realize their goals by providing support and sponsorship, including administrative support and fiscal management for those who do not have the capacity to pursue their own non-profit status, grant research, proposal writing and review, grant administration, and website design and development. SJRCDC looks back on a proud history of successful projects and envisions a future of developing new partnerships and continuing collaboration with our old partners. The SJRCDC meets routinely to review project activities, approval invoices, and direct staff regarding other administrative activities.</p>



Last Update: September 18, 2020

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)		
	Nonconsumptive (Environmental)	
	Nonconsumptive (Recreational)	
	Agricultural	
	Municipal/Industrial	
	Needs Assessment	
X	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	Archuleta, La Plata, San Juan, Montezuma, Dolores, San Miguel, Mineral, Hinsdale and Montrose
Latitude	
Longitude	



Last Update: September 18, 2020

Water Activity Overview		
<p>Please provide a summary of the proposed water activity (200 words or less). Include a description of the activity and what the WSRF funding will be used for specifically (e.g. studies, permitting, construction). Provide a description of the water supply source to be utilized or the water body affected by the activity. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, area of habitat improvements. If this project addresses multiple purposes or spans multiple basins, please explain.</p> <p>The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, and Schedule.</p>		
<p>The Southwest Basins Roundtable (SWBRT) is in need of a dedicated website. Up until now the SWBRT has a page on the Water Information Program website which is not sufficient for its needs. The website will provide an opportunity for updating Roundtable information, having more space and pages for all of the documents and public information and meeting information.</p> <p>Having a dedicated website will provide ease for Roundtable members, stakeholders, and interested parties throughout the basin and state to access the website for information regarding Roundtable and PEPO business. This website will provide the ability to highlight the progress and successes of the Southwest Basins Implementation Plan (BIP). An interactive story map page will illustrate the SWBRT BIP projects, data, and links to efforts in the SW Basin that are instrumental in informing Roundtable members, stakeholders and interested parties. The Roundtable meeting minutes, agendas, and presentations will be posted. General information, funding information, and upcoming events will be available on the website. PEPO will have a page or two offering outreach and educational efforts.</p> <p>This grant will cover the annual fee for hosting and maintenance and the website developer cost to build the website. This does not include any contractor time who will work with the Roundtable, committees and management as the lead to create the outline, content, look and feel of the website and be the main contact with web designer. The contractor fee for time will be provided through PEPO's Education Action Plan funding.</p> <p>This grant will also support the efforts of implementing the Educational and Outreach Goals for the SWBRT Basin Implementation Plan through Education to Action Projects/Programs.</p>		
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)	
	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 (linear feet)	
1. A new website for the SW Basin Roundtable and its committees. 2. Implement Education & Outreach Goals for the BIP	Other	1. A well developed and maintained, user friendly website that houses all information for the Southwest Basin Roundtable in the form of a story map, links, highlighted events & meetings, education and outreach opportunities for public engagement. 2. Support and identify education and outreach opportunities across the basin for the BIP.



Last Update: September 18, 2020

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 [2020 WSRF Criteria and Guidelines](#)).

1. The new website proposal supports education and outreach around a key feature as the way of receiving information for many stakeholders. The general goals and objectives are to communicate valuable information on the various projects in the Southwest Basin as well as current events, data, meetings, etc. The website will also feature the new educational video, Colorado's Southwest Basin: Our Forests and Rivers.

An important way to communicate with partners, stakeholders and interested parties is via a website that is current, reliable, collaborative and efficient. A new website will increase the ease of finding information, which will be reliable and timely.

Develop a user-friendly website that can be managed and updated by Roundtable committee members, the PEPO coordinator and Roundtable Recorder.

2. Supporting the implementation of education and outreach efforts of the Basin Implementation Plan to the diverse communities of Southwest Colorado will help Raise public awareness of the SWBRT BIP and Colorado Water Plan, increase public awareness of water related issues, projects and programs in Southwest Colorado, and encourage collaboration and partnerships to promote better water education.



Last Update: September 18, 2020

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 2020 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind)
Southwest Basin Roundtable Committee Members In-Kind Match	\$2,800
Total Match	\$2,800
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 2020 WSRF Criteria and Guidelines . At least of 10% of the required Statewide Account Grant request match shall be cash from Basin Account funds whether that is from one or multiple basins; and the remaining 40% of the required match may be provided from any source, including other grants, cash from the Basin Account, or any combination of cash, in-kind services, or in-kind materials, and shall be accompanied by a letter of commitment . Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind):
Total Match	\$



Last Update: September 18, 2020

Matching Requirements: Statewide Account Requests	
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	
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.	
<ol style="list-style-type: none"> 1. The Southwest Basin Roundtable is committed to improving upon and supporting good communication skills inside the organization as well as outside with partners, stakeholders and the general public. The Roundtables website will feature information about projects and programs that have assisted with meeting the goals and with the implementation of the SW Basin BIP. The website will feature resources that provide communications that highlights projects to gain support, educate, build partnerships for collaboration, and to provide possible funding sources to bring these important projects into implementation. 2. Support and implement education and outreach efforts to the diverse communities of Southwest Colorado to create a water fluent public by providing relevant local and statewide water information regarding the SW Basin BIP. These projects and programs are designed to promote action through education to help meet future water needs. 	

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

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.
Not Applicable

SOUTHWEST BASINS ROUNDTABLE

C/O La Plata Archuleta Water District
PO Box 1377
Ignacio, Colorado 81137

March 26, 2021

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

RE: San Juan Resource Conservation & Development Council
WSRF Grant Request

The Southwest Basins Roundtable approved funding of \$8,600 from the Southwest Basins Roundtable account for the San Juan Resource Conservation & Development Council- Southwest Basins Roundtable Website and BIP Outreach and Education Project. This application was considered fully and approved unanimously by the Southwest Basins Roundtable at the March 25, 2021 meeting. There was a quorum of members present at the meeting.

The proposed project, by providing an easy to access platform for information about the Roundtable and the Basin Implementation Plan, meets the Colorado Water Plan's goal 9-5 to educate the public on specific water related issues, it also supports the Southwest Basins Roundtable's Education Action Plan priority to provide water education for constituents in the region as well as Measurable Goals or Outcomes of the Southwest Basins BIP A4) promote dialogue, foster cooperation and resolve conflict among water interest.

The completed Grant Application will be forwarded directly to you by the applicant. Please contact the applicant directly or me at 970-563-0320, etolen@laplawd.org, if you have questions or wish to discuss this application in more detail.

Sincerely,



Edward Tolen
Southwest Basins Roundtable Chair



April 22, 2021

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

RE: San Juan Resource Conservation & Development Council
WSRF Grant – Southwest Basin Roundtable Website Development

Dear Colorado Water Conservation Board,

The purpose of this letter is to confirm matching contributions of time commitments and consultation on behalf of the Southwest Basin Roundtable to develop a dedicated website. I am offering an in-kind contribution of \$570.00 (\$38.00 hr x 15 hours) of time towards consultation/review of the Roundtables needs that would be included in the design and development of the website. Elaine Chick, PEPO liaison, will be the lead contractor working with the Roundtable workgroup on the concept design, content development and layout of the website with the contracted Web developer.

The funds requested in this application will be used in 2021 – 2022. The proposed project will provide an updated platform for information about the Roundtable and the Basin Implementation Plan. It will include data and links to efforts in southwestern Colorado that are instrumental in informing Roundtable members, stakeholders and interested parties. The Roundtable meeting minutes, agendas, and presentations will also be posted.

Thank you for your consideration to support this project.

Sincerely,

Edward Tolen, P.E.
General Manager

P.O. Box 1377, 255 Ute Street
Ignacio, Colorado 81137
Phone (970) 563-0320
Fax (970) 563-0325

HARRIS WATER ENGINEERING, INC.

954 East 2nd Avenue, Suite 202
Durango, Colorado 81301
970-259-5322
carrie@durangowater.com

April 27, 2021

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

RE: San Juan Resource Conservation & Development Council
WSRF Grant – Southwest Basin Roundtable Website Development

Dear Colorado Water Conservation Board,

The purpose of this letter is to confirm matching contributions of time commitments and consultation on behalf of the Southwest Basin Roundtable to develop a dedicated website. Carrie Padgett of Harris Water Engineering, Inc. is offering an in-kind contribution of \$1,800.00 (\$120 per hour for 15 hours) of time towards consultation of the Roundtable's needs that would be included in the design and development of the website. Elaine Chick, PEPO liaison, will be the lead contractor working with the Roundtable workgroup on the concept design, content development and layout of the website with the contracted Web developer.

The funds requested in this application will be used in 2021 through 2022. The proposed project will provide an updated platform for information about the Roundtable and the Basin Implementation Plan. It will include data and links to efforts in southwestern Colorado that are instrumental in informing Roundtable members, stakeholders and interested parties. The Roundtable meeting minutes, agendas, and presentations will also be posted.

Thank you for your consideration to support this project.

Sincerely,

A handwritten signature in blue ink, appearing to read "Carrie Padgett", with a stylized flourish at the end.

Carrie Padgett, P.E.
Harris Water Engineering, Inc.



To promote long-term sustainable use and protection of the Mancos River Watershed. We provide educational, financial and technical assistance to meet these conservation goals.

04/22/21

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

RE: San Juan Resource Conservation & Development Council
WSRF Grant – Southwest Basin Roundtable Website Development

Dear Colorado Water Conservation Board,

The purpose of this letter is to confirm matching contributions of time commitments and consultation on behalf of the Southwest Basin Roundtable to develop a dedicated website. Gretchen Rank with the Mancos Conservation District and a SWBRT at-large board member is offering an in-kind contribution of \$570.00 (\$38.00 hr x 15 hours) of time towards consultation of the Roundtables needs that would be included in the design and development of the website. Elaine Chick, PEPO liaison, will be the lead contractor working with the Roundtable workgroup on the concept design, content development and layout of the website with the contracted Web developer.

The funds requested in this application will be used in 2021 – 2022. The proposed project will provide an updated platform for information about the Roundtable and the Basin Implementation Plan. It will include data and links to efforts in southwestern Colorado that are instrumental in informing Roundtable members, stakeholders and interested parties. The Roundtable meeting minutes, agendas, and presentations will also be posted.

Thank you for your consideration to support this project.

Sincerely,

A handwritten signature in black ink, appearing to read 'Gretchen Rank'.

Gretchen Rank
executivedirector.mcd@gmail.com
970-560-5638

604 Bauer Avenue
P.O. Box 694
Mancos, CO 81328
970-533-7317



Last Update: March 17, 2020

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

Colorado Water Conservation Board

Water Supply Reserve Fund

Exhibit A - Statement of Work

Date:	February 26, 2021
Water Activity Name:	SW Basins Roundtable Website; Creation of SW Basins Roundtable Handbook; Implementation of Educational and Outreach Goals for the SWBRT Basin Implementation Plan through Education to Action Projects/Programs.
Grant Recipient:	Southwest Basins Roundtable
Funding Source:	Southwest Basins Roundtable Basin Account
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).)	
<ol style="list-style-type: none">1. Develop a user-friendly website that houses all information for the Southwest Basins Roundtable in the form of a story map, links, highlighted events & meetings, education and outreach opportunities for public engagement.2. Support and identify education and outreach opportunities across the basin for the BIP.	
Objectives: (List the objectives of the project. (PLEASE DEFINE ACRONYMS).)	
<p>The Southwest Basins Roundtable (SWBRT) is in need of a dedicated website. Up until now the SWBRT has a page on the Water Information Program website which is not sufficient for its needs. The website will provide an opportunity for updating Roundtable information, having more space and pages for all of the documents and public information and meeting information.</p> <p>Having a dedicated website will provide ease for Roundtable members, stakeholders, and interested parties throughout the basin and state to access the website for information regarding Roundtable and PEPO business. This website will provide the ability to highlight the progress and successes of the Southwest Basin Implementation Plan (BIP). An interactive story map page will illustrate the SWBRT BIP projects, data, and links to efforts in the SW Basin that are instrumental in informing Roundtable members, stakeholders and interested parties. The Roundtable meeting minutes, agendas, and presentations will be posted. General information, funding information, and upcoming events will be available on the website. PEPO will have a page or two offering outreach and educational efforts.</p> <p>This grant will cover the web designer/build cost and the annual fee for hosting and maintenance. It does not cover any cost for a contractor who will work with the Roundtable committees and executive management as the lead to create the outline, content, look and feel of the website and be the main contact with web designer. The cost of the lead contractor's time will be provided through PEPO's Education Action Plan funding.</p> <p>This grant will also support the efforts of implementing the Educational and Outreach Goals for the SWBRT Basin Implementation Plan through Education to Action Projects/Programs.</p>	



Last Update: March 17, 2020

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

Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<u>Task 1 - (Name) Roundtable Website Development</u>
Description of Task: Develop Website Outline
<p>In order to work with a web designer and builder, an outline of all the information, pages, number of tabs, animation, content, photos have to be outlined and then reviewed with the web developer. The contractor will work with the Roundtable committee to create an outline then work with the web designer to develop the website. It may take a few versions and time to come up with the final concept.</p> <p>The look of the website and page layouts will need to be determined, photos will need to be selected, consultation with the web developer on the content that will be transferred from the Water Information Program website and how it will be laid out in the new Roundtable website, as well as consultation with the Roundtable committees.</p>
Method/Procedure:
Zoom meetings, document sharing, emails.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
A work ready concept and work plan for the web developer to create a new user-friendly SW Basin Roundtable website.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Once the website is completed a link will be shared with CWCB to the new site.



Last Update: March 17, 2020

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

Tasks
Provide a detailed description of each task using the following format: (PLEASE DEFINE ACRONYMS)
<u>Task 2 - (Name) Education and Outreach for the 2021 BIB Update</u>
Description of Task:
<p>Raise public awareness of the Southwest Basin Implementation Plan and Colorado Water Plan</p> <p>Increase public awareness of water related issues, projects and programs in the SW Basin of Colorado</p> <p>Encourage collaboration and partnerships to promote better water education</p>
Method/Procedure:
<p>Once the BIP (Basin Implementation Plan) is ready for public review a news release will be sent to the press, to a large contact list and included in the Water Information Program newsletter as to where they can view and comment on the plan.</p> <p>As well, a press release will be sent to all of the Community Action Groups, stakeholders, water managers, Water Information Program partners, general partners, to review the BIP and comment.</p> <p>The BIP will be available on the SW Basin Roundtable (new) website and the Water information Program website.</p> <p>If safe to do so, public meetings will be scheduled to comment or Zoom meetings will be scheduled.</p> <p>Radio and newspaper ads will be bought and produced.</p> <p>Will look to include the State Wide Education Action Plan outcomes and strategies for the BIP rollout.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Support and implement education and outreach efforts to the diverse communities of Southwest Colorado to create a water fluent public by providing relevant local and statewide water information.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
A progress report of efforts will be sent to the CWCB.



Last Update: March 17, 2020

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

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:

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

Payments

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

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

Performance Requirements

Performance measures for this contract shall include the following:

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

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

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

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

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

Date: February 26, 2021

Water Activity Name: SW Basin Roundtable Website; Creation of SW Basin Roundtable Handbook; Implementation of Educational and Outreach Goals for the SWBRT Basin Implementation Plan.

Grantee Name: Southwest Basin Roundtable

<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	<u>Development of SW Basin Roundtable website & annual Web hosting and maintenance</u>	<u>Aug-21</u>	<u>Jan-22</u>	\$2,300.00	\$6,600.00	\$8,900
2	<u>Implementation of Educational and Outreach Goals</u>	<u>Oct-21</u>	<u>Feb-22</u>	\$500	\$2,000	\$2,500
Total				\$2,800	\$8,600	\$11,400

Director's Report Attachment - July 21-22, 2021 CWCB Meeting Stream and Lake Protection Section De Minimis Cases

The following table summarizes applications that have the potential to injure the Board's instream flow water rights, but the impact is considered de minimis. In these cases, the cumulative impact to the Board's right is less than 1%. Pursuant to ISF Rule 8(e) (the de minimis rule), staff has not filed a Statement of Opposition in these cases and has provided the required notification to the Division Engineers and applicants.

Applicant Case No.	Water Div.	Applicant	Stream Name/ CWCB Case No.	ISF Amount (CFS)	Individual Injury (%)	Cumulative Injury (%)	Count
21CW3031	5	Gold Medal Ranch LLC	Fraser River 90CW0308	17 (5/15 - 9/15) 11 (9/16 - 5/14)	0.00320 0.00200	0.65336 0.58449	36
21CW3031	5	Gold Medal Ranch LLC	Fraser River 90CW0308B	30 (5/15 - 9/15) 19 (9/16 - 5/14)	0.00180 0.00140	0.03597 0.03989	14
21CW3031	5	Gold Medal Ranch LLC	Fraser River 90CW0315	11 (9/16 - 5/14) 17 (5/15 - 9/15)	0.00320 0.00240	0.16235 0.22500	9
21CW3053	1	The Ritchie Family Living Trust, The Sodon Family Living Trust, Mountain Mutual Reservoir Company, and North Fork Associates, LLC	Cub Creek 94CW0251	2 (4/15 - 6/30) 0.75 (7/1 - 4/14)	0.01430 0.02400	0.34986 0.91889	8
21CW3053	1	The Ritchie Family Living Trust, The Sodon Family Living Trust, Mountain Mutual Reservoir Company, and North Fork Associates, LLC	Bear Creek 94CW0259	5 (10/16 - 4/14) 9.9 (4/15 - 10/15)	0.00290 0.00360	0.28923 0.49033	30
21CW3053	1	The Ritchie Family Living Trust, The Sodon Family Living Trust, Mountain Mutual Reservoir Company, and North Fork Associates, LLC	Bear Creek 94CW0260	14.9 (4/1 - 10/15) 7 (10/16 - 3/31)	0.00190 0.00260	0.25558 0.46601	46
21CW3050	1	Margaret Boyne, Mountain Mutual Reservoir Company, and North Fork Associates, LLC	Elk Creek 84CW0646	5 (1/1 - 12/31)	0.00100 0.00110	0.47026 0.40050	12
21CW3060	1	Greg and Trina Loendorf, Mountain Mutual Reservoir Company, and North Fork Associates, LLC	North Turkey Creek 94CW0250	0.75 (7/16 - 3/31) 2.9 (4/1 - 7/15)	0.00810 0.01920	0.30277 0.87039	19

**July 21-22, 2021 Board Meeting
Instream Flow and Natural Lake Level Program
Summary of Resolved Legal Protection Cases**

The Board's Instream Flow ("ISF") Rule 8i(1) states:

In the event the pretrial resolution includes terms and conditions preventing injury or interference and does not involve a modification, or acceptance of injury or interference with mitigation, the Board is not required to review and ratify the pretrial resolution. Staff may authorize its counsel to sign any court documents necessary to finalize this type of pretrial resolution without Board ratification.

Staff has resolved issues of potential injury in the following water court cases, using two different mechanisms. Staff: (A) stipulated in one case in which CWCB had filed a Statement of Opposition; and (B) obtained an agreement via a letter-in-lieu of filing a Statement of Opposition in two cases.

A. STATEMENTS OF OPPOSITION

(1) Case No. 18CW3076 (Water Division 2) - Application of Upper Arkansas Water Conservancy District

The Board ratified this Statement of Opposition at its March 2019 meeting. Application for approval of plan for augmentation, change of water rights, and appropriative rights of exchange. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured. The Court entered a decree on June 9, 2021 in this case.

The CWCB holds instream flow water rights, including the following, in Water Division 2 in the Arkansas Headwaters and Upper Arkansas watersheds that could be injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
04CW0084	Green Creek	confluence unnamed tributary	confluence South Fork Arkansas R.	3.9 (4/1 - 8/31) 1.9 (9/1 - 3/31)	01/28/2004
W-4271 (1975)	Lake Creek	Twin Lakes Reservoir outlet	confl Arkansas R.	15 (1/1 - 12/31)	05/01/1975
W-4438 (1976)	Pass Creek	headwaters	Confl. Little Cochetopa Ck	2 (1/1 - 12/31)	01/14/1976
W-4441 (1976)	Grays Creek	headwaters	confluence Poncha Creek	4 (1/1 - 12/31)	01/14/1976
W-4657 (1977)	Poncha Creek	headwaters in vicinity	confluence Silver Creek	5 (1/1 - 12/31)	11/15/1977
W-4659 (1977)	North Fork South Arkansas R.	confluence McCoy Creek	headgate North Fork Ditch	10 (1/1 - 12/31)	11/15/1977

W-4660 (1977)	North Fork South Arkansas R.	confluence North Fork Res	confluence McCoy Creek	8 (1/1 - 12/31)	11/15/1977
W-4665 (1977)	South Cottonwood Creek	confluence Mineral Ck	confluence Middle Cottonwood Ck	10 (1/1 - 12/31)	11/15/1977
W-4667 (1977)	Middle Cottonwood Creek	confluence North Fork Middle Cottonwood Ck	confl South Cottonwood Ck	10 (1/1 - 12/31)	11/15/1977
W-4675 (1977)	Poncha Creek	confluence Silver Creek	confl South Arkansas R.	8 (1/1 - 12/31)	11/15/1977
79CW0115	Cottonwood Creek	confluence Middle & South Cottonwood Ck	confluence Arkansas R.	20 (1/1 - 12/31)	03/14/1979
79CW0121	Middle Fork South Arkansas R.	headwaters in vicinity	confluence South Arkansas R.	5 (1/1 - 12/31)	03/14/1979
95CW0231	Currant Creek	Confluence Cottonwood Ck	Confluence Tallahassee Ck	0.5 (11/1 - 3/31) 1.25 (4/1 - 10/31)	11/06/1995
95CW0232	Tallahassee Creek	Confl. South Tallahassee Ck	Confluence Arkansas R.	1 (4/1 - 10/31) 0.5 (11/1 - 3/31)	11/06/1995

In addition to standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicant has agreed to the following additional protective terms and conditions:

- **Controlling Water Right:** A water right, including an appropriative right of exchange, that is placing a valid call on the stream and diverting or utilizing all physically and legally available streamflow. An instream flow right that is calling but not receiving its full decreed amount shall be considered a Controlling Water Right, except as against pre-existing uses described in C.R.S. § 37-92-102(3)(b), as recognized by the CWCB, as recognized by the State Engineer pursuant to C.R.S. § 37-92-502(2)(c), or as confirmed by water court decree. “Controlling Water Right” does not include a water right with a bypass call (a structure that must bypass water to the downstream Controlling Water Right).
- The CWCB owns decreed instream flow water rights on stream reaches located below certain of the storage structures listed in paragraph 15 above. All deliveries of Augmentation Water to upstream locations undertaken by UAWCD pursuant to the exchanges described in paragraph 36, any other decreed or administrative exchange, or substitution will be approved by the Division Engineer’s Office regardless of the mechanism or the terminology used to describe it (e.g. decreed, administrative, contract, substitution, etc.). UAWCD shall not exchange, pursuant to decreed or administrative exchange, Augmentation Water to an upstream location within or upstream of an instream flow reach if the following conditions are met: (1) The instream flow water right is remaining in effect; (2) the instream flow water right is

not fully satisfied and is placing a valid call; (3) operation of the exchange would result in a reduction in stream flows within the instream flow reach below the decreed instream flow amount; (4) the priority of the decreed instream flow is senior to the priority of the exchange; and (5) the storage or use accomplished by the exchange is not a pre-existing use described in C.R.S. § 37-92-102(3)(b), as recognized by the CWCB, as recognized by the State Engineer pursuant to C.R.S. § 37-92-502(2)(c), or as confirmed by water court decree, or is not authorized pursuant to an agreement with the CWCB that has been approved by the Water Court such as an agreement under Rule 8i.(3) of the Rules Concerning the Colorado Instream Flow and Natural Lake Level Program, 2 CCR 408-2.

B. LETTERS-IN-LIEU

The following cases were resolved by Staff through negotiated letters in lieu of filing water court Statements of Opposition. This method of settlement is preferred when facts and time allow such negotiation before the Statement of Opposition period ends. In each case, CWCB staff will continue to monitor the proposed rulings and decrees. In each case, Applicant has agreed to not oppose a motion to intervene if the agreed upon terms are not included. The following were negotiated to resolution:

(1) Case No. 21CW3013 (Water Division 2) - Application of Reeves and Betsy Brown

During the March 2021 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. 76W4435 on Saint Charles River. This case was resolved with CWCB by a letter agreement, dated May 28, 2021, by which CWCB agreed not to file a Statement of Opposition, provided Applicant incorporates the following terms and conditions into any draft and final decrees and Applicant agrees to not oppose a motion to intervene by CWCB if such terms and conditions are not included.

"The Application does not seek approval of a point of diversion different from the point at which the Dotson No. 2 Ditch has historically diverted; rather, it seeks only to change the description of that point. Therefore, the Application does not seek "a change of point of diversion from below or within a stream reach for which there is ... a decreed in-stream flow right to an upstream location within or above that reach." C.R.S. § 37-92-305(3.5)(a)(II)."

(2) Case No. 21CW3077 (Water Division 5) - Application of Siena Lake LLC

During the April 2021 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. 80CW0124 on Eagle River. This case was resolved with CWCB by a letter agreement, dated June 29, 2021, by which CWCB agreed not to file a Statement of Opposition, provided Applicant incorporates the following terms and conditions into any draft and final decrees and Applicant agrees to not oppose a motion to intervene by CWCB if such terms and conditions are not included.

“When either the Eagle Ranch Pump and Pipeline Saddle Ridge, or Sienna Lake Enlargement water rights are not in priority, out-of-priority depletions will be augmented with water released from Woford and/or Ruedi Reservoir, to the extent that the calling water right is located on the Colorado River below its confluence with the Eagle River and/ or the Roaring Fork River. To the extent that the calling water right is located on the Eagle River, including a call by the CWCB’s Eagle River instream flow water right decreed in Case No. 80CW124, Applicant will cease all diversions under the Enlargement water rights and will pump water directly from Siena Lake Water Storage Facility, drawing the reservoir down, in order to meet its irrigation requirements, if it is irrigating at that time.

Alternatively, if upstream water is available for augmentation from Eagle Park Reservoir or another approved source pursuant to paragraph ##, said water may be used to replace out-of-priority depletions resulting from diversions at the Enlargement water rights when a calling water right is located on the Eagle River, including a call by the CWCB’s Eagle River instream flow water right decreed in Case No. 80CW124. Additionally, aggregated releases should not be utilized as a replacement method at times when replacements are being made to the CWCB’s Eagle River instream flow water right.

Add terms that provide the intent of the applicant to the effect that:

1. All storage rights previously decreed as “Saddle Ridge Reservoir” Nos. 1-15 are hereby changed to one storage right at Siena Lake Storage Facility;
2. Cumulative diversion rate for all storage water rights is 1.5 cfs from the Eagle River under the “Eagle Ranch Pump and Pipeline Saddle Ridge Enlargement” right; and,
3. Irrigated acreage place of use for the newly combined place of storage at the Siena Lake Storage Facility is the 115 acres shown on Exhibit ##.”



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources

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Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Rebecca Mitchell, CWCB Director

TO: Colorado Water Conservation Board Members

FROM: Kirk Russell, P.E., Finance Section Chief

Board Meeting: July 21-22, 2021 Board Meeting

Directors Report: Water Project Loans
Interest Rates

Introduction

The CWCB establishes interest rates bi-monthly for the Water Project Loan Program (per Financial Policy #7).

The current rates for a 30-year term are as follows:

- 1.15% - Agricultural
- 1.60% - Low-income Municipal
- 1.85% - Middle-income Municipal
- 2.05% - High-income Municipal
- 6.00% - Commercial
- 2.00% - Hydroelectric

The standard loan term is 30 years. Rates are reduced by 0.25% for 20-year loans, and by 0.55% for 10-year loans. Rates are increased by 0.25% for 40-year loans.

The rates can also be found on the CWCB web site under the “Loans and Grants” tab. These rates will be applicable for loans presented at this Board meeting.





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Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Rebecca Mitchell, CWCB Director

TO: Colorado Water Conservation Board Members

FROM: Matthew Stearns, P.E., Project Development

DATE: July 21-22, 2021 Board Meeting

DIRECTORS REPORT: Water Project Loan Program
Prequalified Project List and Loan Prospect Summary

The Finance Section compiles a list of prequalified projects for the Water Project Loan Program. In order to be included on this list, potential borrowers must submit a Loan Application and three years of financial statements to the CWCB staff. In addition, Borrowers requesting to be placed on the Prequalification Project List have a defined project, have performed preliminary engineering, and have a reasonable estimate of the project costs.

Projects on this list fit the initial criteria of the Water Project Loan Program; however, the list does not constitute loan approval. In order to receive a loan, borrowers must additionally submit a completed Loan Feasibility Study for review by CWCB staff. Staff will then prepare a recommendation to the Board for approval at a future CWCB meeting. Projects will remain on this list for one year from the date of the application or until Board approval of a loan.



Prequalified Project List

BORROWER	PROJECT NAME	APPLICATION DATE	BASIN	PROJECT DESCRIPTION	PROJECT COST/LOAN AMOUNT
Previously Approved Applications					
	No prequalified projects at this time				
Total					\$ -



The Finance Section also compiles a list of potential borrowers/projects for the Water Project Loan Program. This list represents borrowers that have contacted the CWCB about a potential need for funding but have not submitted a loan application and loan feasibility study. Projects are also identified if they have a Health/Safety (*), Economic Impact (†), or Federal Match (‡) component.

BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
South Platte		
NISP Participants	NISP	\$750,000,000
Woods Lake Mutual Ditch Company	Culvert Replacement	\$150,000
Town of Kersey	Water Line Project	TBD
Riverside Reservoir and Land Company	Ditch Rehabilitation	\$250,000
Town of Bennett	Raw Water Tank	\$500,000
Evergreen Metro District	Evergreen Dam Enlargement	TBD
Left Hand Water District	Dry Creek Reservoir	TBD
Shawnee Water Consumers Association	Reservoir Rehabilitation	\$200,000
Boulder and White Rock Ditch & Res. Co.	Reservoir Dredging	TBD
Western Mutual Ditch Company	Reservoir Dredging	TBD
Bergen Ditch and Reservoir Company (*)	Reservoir Rehabilitation	TBD
Louviers Water and Sanitation District	Regional Connection	TBD
City of Fort Collins	Irrigation Ditch Piping	\$20,000,000
City of Fort Collins	Halligan Reservoir Enlargement	\$120,000,000
Northern Colorado WCD	Windy Gap Firming (increase)	\$40,000,000
Cherry Creek Water Project Authority	Walker Pit	\$14,500,000
City of Loveland	Reservoir Enlargement	TBD
SPROWG Participants	SPROWG	\$1,800,000,000
City of Milliken (*)	Hillsboro Dam Rehabilitation	\$15,000,000
Colorado Parks and Wildlife (*)	Tarryall Dam Rehabilitation	\$5,000,000
Dave Miller Mutual Ditch Company	Ditch Piping Project	\$150,000
Standley Lake Operating Committee	Reservoir Expansion	TBD
Switzerland Park HOA	Reservoir Rehabilitation	\$300,000
Danna Ortiz	Knouth Reservoir Rehabilitation	\$3,000,000
Loup Reservoir Company	Loup Reservoir Rehabilitation	TBD
Smith and Emmons Ditch Company	Headgate Rehabilitation	\$176,000
Middle South Platte Reservoir Company	New Reservoir	TBD
Arthur Irrigation Company	Ditch Rehabilitation	TBD
Handy Ditch Company	Welch Reservoir Rehabilitation	\$1,000,000
Subtotal		\$2,770,226,000



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
Arkansas		
Oxford Ditch	Siphon Repair	\$1,800,000
Town of Manitou Springs	Raw Water Pipeline	\$3,000,000
City of Woodland Park	Storage Project	\$1,000,000
Fort Lyon Canal Company	Adobe Creek Enlargement	\$8,000,000
Deweese Ditch and Reservoir Co. (+)	Reservoir Enlargement	TBD
Holbrook Ditch Company	Reservoir Enlargement	TBD
Lake County	New Reservoir	TBD
Catlin Canal Company	Canal System Improvement	\$1,500,000
Lower Arkansas WCD	New Storage Account	TBD
Donala Water and Sanitation District	Ditch Construction	TBD
Mesa McKenna Mutual Ditch Company	Ditch Piping Project	TBD
Town of Avondale (*)	New Well	TBD
Round Mountain Water & Sanitation	New Reservoir	TBD
Ordway, Town of	Reservoir Rehabilitation	TBD
Cross Creek Metropolitan District	Hale Reservoir Rehabilitation	\$3,000,000
Triview Metropolitan District	New Reservoir	\$4,000,000
Subtotal		\$22,300,000
San Miguel/Juan		
Town of Bayfield	Ditch Piping Project	\$500,000
Redmesa Reservoir and Ditch Co. (*)	Redmesa Reservoir Enlargement	\$8,500,000
City of Cortez	Distribution System (Loss Prevention)	\$10,000,000
Webber Ditch Company (‡)	Ditch Piping Project	TBD
Pagosa Area Water and Sanitation Dist. (*)	Raw Water Pipeline Rehabilitation	TBD
Ratliff and Root Ditch Company (‡)	Ditch Piping Project	\$1,000,000
Lone Cone Ditch and Reservoir Company	Reservoir Rehabilitation	TBD
Town of Naturita	Water Meters	TBD
Town of Dove Creek	New Reservoir	\$1,600,000
Farmers Water Development Company	Reservoir Rehabilitation	TBD
Lone Cone Ditch and Reservoir Company	Reservoir Rehabilitation	TBD
Subtotal		\$21,600,000
Colorado		
Town of Breckenridge (*, ‡)	Goose Pasture Tarn Dam	\$10,000,000
Orchard Mesa Irrigation District	Lateral Piping	\$300,000
Silt Water Conservancy District	Harvey Gap Reservoir	\$300,000
Middle Ditch	Ditch Piping Project	TBD
New Multa Trina Ditch Company (‡)	Ditch Piping Project	TBD
Horse Pasture HOA	Ditch Piping Project	\$100,000
Gunther Covers	Christenson Dam	TBD
Town of Minturn	New Well Field	\$5,220,000
Subtotal		\$15,920,000



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
Gunnison		
Gunnison County Electric	Taylor Park Hydro	\$1,000,000
Duke Ditch Company	Ditch Piping Project	\$400,000
Bostwick Park Water Conservancy District	Dam Construction	TBD
Kendall Reservoir Company	Reservoir Rehabilitation	\$140,000
Orchard City Irrigation District (‡)	Fruit Growers Reservoir Rehab	\$560,000
City of Ouray	Water Supply Pipeline	TBD
Grand Mesa Water Users Association	Reservoir Rehabilitation	\$600,000
Crested Butte, Town of	Dam Outlet Rehabilitation	TBD
Subtotal		\$2,700,000
North Platte		
Colorado Parks and Wildlife (*)	North Michigan Creek Reservoir	\$6,000,000
Spicer Ranches, LTD	Reservoir Rehabilitation	TBD
Walden, Town	New Well	TBD
Subtotal		\$6,000,000
Rio Grande		
Manassa Land & Irrigation Co.	Ditch Rehabilitation	\$6,000,000
Baca Grande WSD	Water Rights Purchase	\$1,000,000
Sanchez Ditch and Reservoir Co.	Dam Rehabilitation	\$4,000,000
Rio Grande WCD - Subdistrict #1	Water Rights Purchase	\$5,000,000
Trinchera Water Conservancy District	Water Rights Purchase or Lease	\$2,000,000
Town of Center	Water Meter Project	\$200,000
San Luis Valley WCD (†)	Shaw Reservoir Purchase	TBD
Colorado Parks and Wildlife	Alberta Park Dam Rehabilitation	\$4,000,000
Billings Ditch Company (‡)	Diversion Structure Rehabilitation	\$150,000
Subtotal		\$22,350,000
Yampa		
Town of Oak Creek (*)	Reservoir Rehabilitation	\$5,600,000
Rio Blanco WCD	Wolf Creek Reservoir	\$100,000,000
Bear River Reservoir Company	Stillwater #1 Dam Rehabilitation	TBD
Subtotal		\$105,600,000





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Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Rebecca Mitchell, Director

To: Colorado Water Conservation Board Members

From: Kirk Russell, P.E., Finance Section Chief
Jessica Halvorsen, Program Assistant

Board Meeting: July 21-22, 2021 Board Meeting

Directors Report: Water Project Loan Program, Design & Construction Status Report

The CWCB Loan Program has Substantially Completed (15) projects in Fiscal Year 20/21 as shown in Table 1. There are currently (49) projects authorized to receive loan funding totaling \$390M. There are (43) projects currently under contract and in the Design/Construction phase totaling \$297M. The attached spreadsheet summarizes the status of all loan. A detailed description about each project is provided on the CWCB website under Water Project Loan Program. cwcbs.colorado.gov/loans-grants/water-project-loan-program

TABLE 1

	Borrower	Project	County	Loan Amount	Complete
1	Lower Arkansas Water Management Association	West Farm Gravel Pit Storage Purchase	Prowers	\$3,556,598	7/1/2020 (a)
2	Firestone, Town of	Storage Development & Water Rights Purchase	Weld	\$5,964,859	7/1/2020 (b)
3	CCWCD, Well Augmentation Subdistrict	Shores Lake Pond C Infrastructure Improvement	Weld	\$2,367,440	8/1/2020 (c)
4	Centennial Irrigating Ditch Co	Centennial Diversion Replacement	Rio Grande	229,060	8/1/2020
5	Missouri Heights Mountain Meadow Irrigation Company	Ditch Piping Phase B	Garfield	\$178,971	8/1/2020
6	Orchard Ranch Ditch Company	Orchard Ranch Ditch Pipe Project	Delta	\$136,677	9/1/2020
7	Schneider Ditch Company	Diversion Structure Replacement	Logan	\$1,161,902	10/1/2020
8	Den SE WSD dba Pinery W&WD	WISE Project DIA Connection	Douglas/Arapahoe	\$280,235	11/1/20
9	Central Colorado Water Conservancy District	Chatfield Reallocation Project - First Cost of Storage Contract	Arapahoe / Douglas / Park /	\$3,187,560	2/1/21
10	Left Hand Water District	Participation in Southern Water Supply Project II	Broomfield / Weld	\$10,000,000	2/1/21
11	South Fork, The	Augmentation Water Purchase	Rio Grande	\$440,400	3/1/21
12	St. Vrain & Left Hand WCD	Emergency Rock'n WP Ranch Lake No. 4 Repair	Boulder	\$3,238,613	3/1/21 (d)
13	St, Vrain & Left Hand WCD	Lake No. 4 Outlet Pipeline Repair	Boulder	236,154	3/1/21
*14	Redlands Water and Power Co.	Pumpline Replacement Project	Mesa	568,944	5/1/21
*15	Lateral Ditch ML47, Inc.	Lateral Ditch Pipeline Project	Mesa	692,548	6/1/21
	* included in Director's Report		Total	\$32,239,562	

Fiscal Year 2020 - 2021 has added and preserved 7,875 acre-feet of reservoir storage; (a) 1,683; (b) 1,092; (c) 4,500; (d) 600





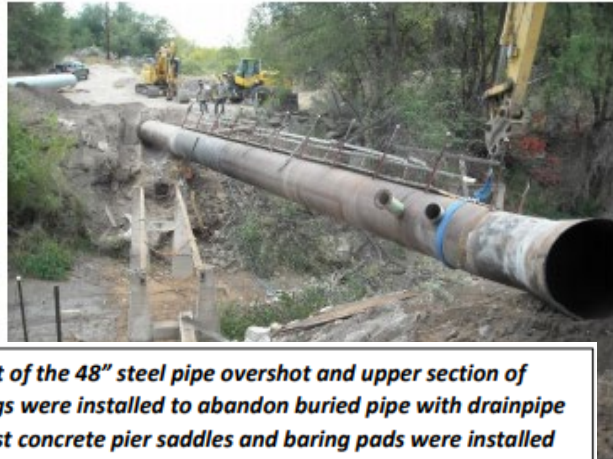
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Pumpline Replacement Project

Redlands Water and Power Company
Substantially Complete May 1, 2021



RW&PC was able to purchase the HDPE pipe for less than \$1/lb in June 2020 and had four competitive quotes.



Removal and replacement of the 48" steel pipe overshoot and upper section of buried pipe. Concrete plugs were installed to abandon buried pipe with drainpipe at lower end. New pre-cast concrete pier saddles and baring pads were installed under new overshoot pipe.

Project Description

The Redlands Water and Power Company provides irrigation water and power to 1,970 acres of the Redlands area in the Grand Valley. Shareholders are predominantly located on bench lands above the Colorado and Gunnison Rivers, requiring most of the irrigation water to be pumped uphill to them. Approximately 60 cfs is pumped through a 48" concrete-lined steel pipe (Pumpline) to these users. The existing pumpline was constructed in 1944 and experienced leaks that required frequent repair. The Company replaced a portion of the pumpline in 2017, and replaced the remaining pipe with this project. This project provided water security for shareholders. It was funded with a loan, a WSRF grant of \$125,000, and cash reserves. The Project was successfully completed on schedule and under budget.

P R O J E C T D A T A		
Sponsor: Redlands Water and Power Company	County: Mesa	Water Source: Gunnison River
Type of Project: Pipeline Replacement	Board Approval Date: May 2020	
Loan Terms: (Original) \$641,350 @ 1.65% (Final) \$568,944.05 @ 1.65%		
Design Engineer: J-U-B Engineers Inc		
Contractor: CW Construction, LLC.		



Lateral Ditch Pipeline Project

Lateral Ditch ML47 Inc

Substantially Complete June 1, 2021

The ML47 Lateral Ditch serves 25 irrigators. It was originally an open, concrete-lined ditch. The new piped ditch will deliver water more efficiently and with fewer losses.



Project Description

Lateral Ditch ML47, Inc. is a nonprofit corporation that operates and maintains a lateral serving 25 irrigators along 33 ½ Road who grow hay, corn, alfalfa, hemp, as well as water lawns and pastures. The lateral was primarily a concrete lined ditch, which occasionally experienced flooding when trash blew in and blocked the flow, and had developed significant cracks that leached water. ML47 improved the headgate at the Grand Valley Irrigation Canal, and piped the ditch with a pressurized system to increase efficiency, safety, and improve the quality of water returning to the Colorado River while also reducing water loss, maintenance costs, and the risks and liabilities of flooding. During the construction period, ML47 received a grant from the River District's new Partnership Program, met the match requirements of their WSRF grant, and was granted the remaining funds necessary to pay down their loan from the US Bureau of Reclamation.

P R O J E C T D A T A		
Sponsor: Lateral Ditch ML47 Inc	County: Mesa	Water Source: Colorado River
Type of Project: Ditch Piping	Board Approval Date: May 2020	
Loan Terms: (Original) \$707,000.00 @ 1.60% (Final) \$692,548.62 @ 1.60%		
Design Engineer: NRCS		
Contractor: Dirtworks Construction, LLC		

	Borrower/Projects	County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
Projects in Design or Construction								
1	Amity Mutual Irrigation Company >Queen Reservoir Dam Rehabilitation CT2021-2224	Kiowa	\$1,333,000	50%	Fall 2020 - Spring 2023	5%	RP	Dam breached. Final design underway then Dam Safety review/approval. Bid pkg. May2021.
2	Arapahoe County Water and Wastewater Authority >Chambers Reservoir Liner Rehabilitation CT2021-513	Arapahoe	\$2,500,000	100%	May 2020 - May 2022	98%	RP	Under construction Aug 2020, liner prep/installation through Oct 2020. Material onsite, liner install 9/10/20, reservoir bottom and sides final acceptance 10/2020, all liner is placed, vents, access ladders, access ramp. Dam Safety fill approval-May2021. Loan increase request May2021 for pump system component.
3	Cedar Mesa Ditch Company >Lower Cedar Mesa Ditch Piping CT2020-2680	Delta	\$1,346,000	100%	Sept 2020 - Spring 2023	65%	MS	Construction began in October. The intake structure is complete and pipe installation is proceeding along the ditch. Construction has ceased for the irrigation season which started on May 27.
CHATFIELD REALLOCATION Phase 2 - Mitigation \$19,329,000								
4	a. Castle Pines North Metropolitan District >(C150404C) CT2018-1990	Arapahoe Douglas Park Weld	\$1,572,000	100%	Fall 2019 - Summer 2020	95%	KR	This contract provides reimbursement for the Chatfield Reallocation Project, for engineering, recreation facilities construction, on-site mitigation, off-site mitigation, and mitigation monitoring. Phase 2 covers the construction work remaining after Phase 1 loan funds are fully depleted.
	b. Centennial Water & Sanitation District >(C150405C) CT2016-2056	Arapahoe Douglas Park Weld	\$10,826,000	100%	Fall 2019 - Summer 2020	95%	KR	Phase 2 began disbursement of funds with the July 2019 pay request. It was originally estimated Phase 2 work could last until 2028. However, the on-site mitigation in Phase 1 is proving more effective than planned, lessening the amount of off-site mitigation in Phase 2.
	c. Central Colorado Water Conservancy District >(C150407C) CT2016-2060	Arapahoe Douglas Weld	\$6,931,000	100%	Fall 2019 - Summer 2020	95%	KR	This reservoir begin filling in May of 2020. Final mitigation work and monitoring will continue over the next couple years.
DIVERSION STRUCTURE REPLACEMENT \$5,035,000								
5	a. Deuel and Snyder Improvement Company >Diversion Structure Replacement CT2020-3562	Morgan	\$643,000	100%	Aug 2020 - Nov 2021	90%	CB	This project will support the replacement of UPBCC/DSIC's 1,400 foot long diversion structure on the South Platte. Contractor mobilization and first purchase of materials took place in June 2020.
	b. Upper Platte and Beaver Canal Company >Diversion Structure Replacement CT2020-0333	Morgan	\$4,392,000	100%	Aug 2020 - Nov 2021	90%	CB	
6	Duke Ditch Company >Piping the Duke Ditch CT2017-0915 CTGG1 2017-0212 (WSRF)	Delta	\$90,000	100%	On Hold	0%	MS	NRCS finalized the design in August 2018. Federal grant expired. Company is evaluating options of applying for a loan increase and completing project without federal grant dollars.
7	Florida Consolidated Ditch Company >Hess Lateral Improvement CT2019-2034 CTGG1 2016-1319 (WSRF)	La Plata	\$1,075,000	100%	Winter 2020 - Fall 2021	0%	KR	Company received bids. The low bid exceeded the available funding. Company is in the process of value engineering and project adjustments.
8	Florida Consolidated Ditch Company >Florida Canal Diversion Replacement CT2021-2890 WSRF & WPG CTGG1 2021-2418	La Plata	\$750,000	10%	Spring 2021 - Fall 2023	0%	MS	This project is the replacement of a low head dam diversion structure with multibeneficial outcomes. The project is contracted and work is expected to start in the summer of 2021.
9	Fort Morgan Farms, LLC >Delta Water Storage Phase 1 CT2021-2222	Weld	\$8,982,000	100%	Fall 2021 - Spring 2022	20%	CB	The Delta Storage Project will construct a below grade storage reservoir. The loan covers the cost of constructing a slurry wall around the reservoir to isolate future stored water from existing groundwater. Currently the slurry wall is under construction.
10	Fruitland Irrigation Company >Tunnel and Canal Renovation CT2019-2848 CTGG1 2019-2449 CTGG1 2019-2475	Delta & Montrose	\$1,729,000	100%	Jan 2020 - Dec 2023	24%	RP	Sept 2018 letter from Bureau of Reclamation recvd. Construction material delivery began 11/2019. Section 1 tunnel work bed pkg Dec2020. Section 2 Tribble - Pipe placement, compaction testing. Section 3&4 Rundle - begin breaking and removal of bedrock
11	Genesee Water and Sanitation District >Reservoir No. 1 Enlargement CT2021-CT2021-2851	Jefferson	\$4,200,000	50%	Summer 2021 - Spring 2022	0%	RP	Loan approved Sep 2020. Water Plan Grant approved in March2021. Contracting loan and grant at the same time.
12	Glenwood Springs, City of >System Redundancy and Pre-Treatment Improvements >CT2021-3104	Garfield	\$8,000,000	80%	Spring 2021 - Fall 2021	0%	CB	This Wildfire Emergency Loan will improve the infrastructure for Glenwood Springs' water collection system to cope with increased sediment in their source waters as a result of the Grizzly Creek Fire in 2020.
13	Grand Mesa Water Conservancy District >Peak Res. & Blanche Park Res. Rehabilitation C150354 (CT2015-061)	Delta	\$466,620	100%	Mar 2013 - Dec 2021	75%	MS	Construction on Peak Reservoir began in the 2013 season and was completed in Oct 2014. Construction on Blanche Park Reservoir began in July but has ceased for winter. Embankment fill stockpile is not sufficient and attempts to locate suitable material have not been successful so far.
14	Grand Junction, City of >Carson Reservoir Dam Rehabilitation CT2021-3110	Mesa	\$3,000,000	100%	Spring 2021 - Fall 2021	0%	CB	This project will update Grand Junction's Carson Reservoir in compliance with Dam Safety's recommendations including installing state-of-the-art flood advance warning equipment.
15	Grand Junction, City of >Purdy Mesa Flowline Replacement Replacement CT2021-2857	Mesa	\$7,000,000	100%	Winter 2021 - Summer 2023	0%	CB	The Purdy Mesa Flowline is a large diameter pipeline that supplies raw water to the Grand Junction WTP. Most of the line was replaced as part of previous projects and this project will replace the last remaining out-of-date pipe material.
16	Groundwater Management Subdistrict of CCWCD >Hokestra Reservoir Purchase CT2020-3348	Weld	\$5,390,500	100%	May 2020 - Dec 2021	5%	CB	This Project will purchase an existing reservoir for use as augmentation storage. Funds have been disbursed for the reservoir purchase, but construction is in the earliest phases.
17	Groundwater Management Subdistrict of CCWCD >Pioneer Reservoir CT2019-3687	Weld	\$8,611,000	75%	Sep 2019 - May 2022	0%	CB	This is a gravel pit retrofit for augmentation water supply. Funds for the initial reservoir purchase and some engineering were disbursed in May 2019. Construction efforts are expected to begin in 2021.
18	Hidden Valley Water District >Master Water Meter Connection CT2020-2244	Jefferson	\$1,720,000	100%	Feb 2020 - Dec 2021	95%	RP	Assets and operations are all to the District. District signed and approved EMD IGA. Precon Dec2019. Construction begin Feb 2020. EMD connect 7/2020. Construction complete, final walkthru Aug2020. Working on IGA with EMD.

	Borrower/Projects	County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
19	Huerfano County Water Conservancy District >Regional Augmentation Project CT150364 (CT2015-0047)	Huerfano	\$2,640,000	100%	Jan 2014 - Dec 2021	95%	RP	Land and water rights purchase occurred in January 2014. Phase I completed Oct 2017. Ph 3 - Reservoir liner complete 8/2019. Approved loan increase and time extension 11/2019 mtg. Award to Frontier Environ. Services. Ph4 Rebar pump station footer placed, diversion structure wall poured 12/2020. Construction complete. Asbuilt dwgs underway
20	Julesburg Irrigation District >Diversion Structure Rehabilitation CT2020-0396 WPG CTGG1-2020-2445	Sedgwick	\$2,858,000	100%	May 2020 - Dec 2021	90%	CB	This project is a diversion structure replacement on the South Platte. The Contractor has been selected and a first disbursal has been made for long lead-time materials. Construction had been slowed due to the State's shelter-in-place orders, but is still moving ahead.
21	Left Hand Ditch Company >Allen's Lake Filler Canal Improvements CT2019-3463	Boulder	\$765,000	100%	Dec 2020 - Nov 2021	90%	CB	This project will replace 2,750 feet of open ditch with a buried pipe. No funds have been disbursed. Construction is expected to begin after Grading Permit is received. Loan Increase was approved in January 2020.
22	Logan Irrigation District >Prewitt Reservoir Rehabilitation CT2021-3898	Logan	\$1,563,000	100%	Spring 2021 - Fall 2021	0%	CB	This project will support dredging efforts to eliminate a dead pool at Prewitt Reservoir. The project is currently on hold.
23	Lookout Mountain Water District >Upper and Lower Beaver Brook Dam Rehabilitation CT2021-3115	Jefferson	\$3,500,000	100%	Spring 2021 - Fall 2021	5%	RP	Contractor mobilized and site staging. Construction and dam demolition
24	North Sterling Irrigation District >North Sterling River Diversion Replacement CT2021-3875	Morgan	\$3,498,000	100%	Spring 2021 - Fall 2021	0%	CB	
25	North Sterling Irrigation District >Outlet Canal Automation Phase II Project CT2021-3658	Logan	\$395,920	100%	Fall 2021 - Spring 2022	0%	CB	This project will install automation equipment on the lateral ditch headgates of users of the North Sterling Irrigation District Outlet Canal. Installation is expected to begin in Fall 2021.
26	Ogilvy Irrigating and Land Company >Seely Reservoir Dredging CT2019-2099 CTGG1 2019-2018 (WPG)	Weld	\$2,252,000	85%	Fall 2021 - Spring 2023	0%	RP	USACE 12/2019 non jurisdictional determination. Floating dredge proposed in lieu of draining/excavating reservoir convent. excavation/haul. OILC concerned floating dredge ability dewater sufficiently for adjacent property. Reviewing options.
27	Orphan Wells of Wiggins >Kiowa Creek Dam Rehabilitation CT2021-3116	Morgan	\$373,000	100%	Spring 2021 - Fall 2021	50%	CB	This project will repair five non-jurisdictional dams operated by Orphan Wells of Wiggins for augmentation purposes. Mobilization took place in January 2021. Dam work complete Spring 2021. Loan increase request (May 2021) for well power supply conversion
28	Pueblo Conservancy District >Arkansas River and Wildhorse Creek Levees CT2019-0366	Pueblo	\$23,000,000	100%	Dec 2014 - Jun 2021	99%	RP	Funds approved June 2018. Phase 5 under construction - removing, replacing concrete where Ph4 ended. Phase 5A under construction - grouting, filling voids in toe of levee for future Ph6. Loan increase Projects Bill 2020. Wrapping up construction Phase 6. Levee celebration June2021. Levee certification underway.
29	Redlands Water & Power Company >Roller Gate Replacement CT2021-2837	Mesa	\$400,000	100%	Fall 2021 - Spring 2022	98%	CB	This project will replace existing, out-of-date gates on Redlands' diversion structure. A contractor has been selected and work may begin this spring if river conditions are favorable. Otherwise, work will begin next fall.
30	Rio Grande Water Conservation District Subdistrict No. 5 >Saguache Pipeline CT2021-3846	Saguache	\$4,844,000	80%	Spring 2021 - Fall 2022	0%	RP	Working on well owner agreement and Project easement agreements.
31	Rural Ditch Company >Diversion Structure Improvement CT2021-2043	Weld	\$805,000	100%	Spring 2021 - Spring 2022	98%	CB	The Rural Ditch Diversion Structure project will repair a diversion structure which was damaged in the 2013 flooding. It has operated at a reduced capacity since it was damaged, but as a result of this project will be restored to full operation.
32	San Luis Valley Irrigation District >Rio Grande Reservoir Rehabilitation CT-2018-3303, CTGG1-2018-1805	Hinsdale, Rio Grande	\$15,000,000	100%	Aug 2018 - June 2020	98%	KR	Project is near complete. Moltz has begin demobilization. Outlet is operable and the reservoir is releasing water. Final touches on the Gate House and site clean up will continue through the summer. Ribbon cutting ceremony was postponed due to the COVID-19 public gathering limitations.
33	Southeastern CO Water Conservancy District >Pueblo Dam Hydroelectric Project CT2018-0833	Pueblo	\$17,220,000	100%	June 2017 - Nov 2021	99%	RP	Construction beginning fall 2017. District anticipates power production by fall of 2018. Tie-in to SDS complete April 2018. Waiting on transformer approval from Black Hills. Turbine and generator placement and fiber optic line approval. Functional and producing power. Finalizing adjustments and design details. 2-yr performance time extension approved.
34	Spring Dale Ditch Company >Diversion Structure Replacement Project CT2020-3110	Logan	\$1,210,000	100%	Feb 2020 - Jun 2021	95%	CB	This project will replace Springdale's aging diversion structure on the South Platte. Construction is well under way.
35	Tunnel Water Company >West Half Laramie-Poudre Tunnel Rehabilitation CT2019-3706	Larimer	\$17,080,000	100%	Sep 2019 - Apr 2023	40%	RP	Construction scheduled to begin the Fall 2019, when low water and non-irrigation season. Requesting loan increase 11/2019, 3/2020 from Projects Bill 2020. Construction delays due to Cameron Peak wildfire. Unplanned construction season 3. Runaround complete, station 52+00 of 65+00.
36	Tunnel Water Company >Headgate Improvements Project (Wildfire Impact) CT2021-3928	Larimer	\$1,206,000	100%	Apr 2021 - May 2021	90%	RP	Power supply installation complete. Duperon gate delivery at site. Headgate installation underway.
37	Tunnel Water Company >Rawah Ditch Tunnel Rehabilitation CT2021-3927	Larimer	\$2,150,000	100%	Apr 2021 - May 2021	90%	RP	Downstream end of 54in pipe backfill grouting completed. Grout return out of the rock approximately 15ft above the pipe from the rock face. Visible grey strips running vertically in center of the picture. Restruction doing injection grouting in the riprap at the ends of pipe.
38	Victor, City of >Victor Reservoir No. 2 Dam Rehabilitation CT2021-3873	Teller	\$375,000	100%	Apr 2021 - Sep 2021	0%	RP	Bid package compete and advertised. Prebid scheduled 19May2021. Planned begin construction Jun2021.
39	WALKER RECHARGE PROJECT \$15,000,000							
	a. Central Colorado WCD >Walker Recharge CT2020-0310 (CTGG1 2019-3648 WPG Closed-out)	Weld	\$2,250,000	100%	Sep 2019 - Sep 2022	70%	CB	
	b. Groundwater Management Subdistrict of CCWCD >Walker Recharge CT2020-0324	Weld	\$9,750,000	100%	Sep 2019 - Sep 2022	70%	CB	The Walker Recharge project consists of diversions off the South Platte, a pipeline, and infiltration facilities to re-time augmentation flows. Two other loans and a grant are tied to the project. Construction related to the grant will began in November and the first dipursals were made in December.

	Borrower/Projects	County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
	c. Well Augmentation Subdistrict of CCWCD >Walker Recharge CT2020-0326	Weld	\$3,000,000	100%	Sep 2019 - Sep 2022	70%	CB	
40	Wiggins, Town of >Wiggins Recharge Facility at Glassey Farms CT2018-0892	Morgan	\$2,385,000	100%	Jul 2017 - Jul 2021	0%	CB	The purpose of this project is to develop an augmentation water source for the Town. In August 2017 the Town purchased Glassey Farms and its associated water rights and 52% of funds were disbursed at that time. The project is back underway and an extension was granted.
41	Windy Gap Firming Project Water Activity Enterprise >Windy Gap Project CT2021-2039	Larimer	\$89,108,911	100%	Spring 2021 - Summer 2024	0%	CB	Construction contract was awarded in December and allotment contracts among project participants are being drafted. Contractor was selected in October. Project loan conditions were amended at the March Board Meeting. Due to ongoing litigation the project start is delayed until 2022.
42	WISE Project - Phase 2 Infrastructure \$7,326,940							Binney Connection Pipeline of Water Infrastructure and Supply Efficiency project will increase WISE flow capacity to 30MGD and provide infrastructure from Aurora Binney Facility to SMWSA. Pumps/Treatment-Glacier, Pipeline/Infrastructure-T.Lowell, Jacobs is Engineer. Vault excavation began 9/2020. Construction trailer onsite through project duration. Glacier complete foundation work, pump cans have been delivered and installed, pump motors have arrived at the pump manufacture, preliminary SCADA meetings begun, Glacier starting to form rebar for the flow control building, start laying pipe. Precast concrete walls for pump station planned Jun2021.
	a. Cottonwood W&S Dist - C150408C (CT2015-0105)	Douglas/ Arapahoe	\$1,116,000	100%	Jan 2020 - Dec 2022	5%	RP	
	b. Inverness W&S Dist - C150409C (CT2015-0119)	Douglas/ Arapahoe	\$1,413,000	100%	Jan 2020 - Dec 2022	5%	RP	
	c. Parker W&S Dist - C150410C (CT2015-0109)	Douglas/ Arapahoe	\$3,384,810	100%	Jan 2020 - Dec 2022	5%	RP	
	d. Pinery (Den SE WSD)C150411B (CT2015-0086)	Douglas/ Arapahoe	\$1,413,130	100%	Jan 2020 - Dec 2022	5%	RP	
43	WISE Project - DIA Connection \$1,902,600							Annual disbursement to be made on this loan through 2021.Design Status indicates percent of funds disbursed to date. WISE WDA negotiations between parties continue with the goal of having an amended Water Delivery Agreement ready to be brought to the respective Boards and Council for review and approval by April 1, 2021. Group discussion continues focused on the DIA Connection.
	a. Cottonwood W&S Dist - C150408D (CT2015-0104)	Douglas/ Arapahoe	\$363,600	80%	N/A	60%	RP	
	b. Inverness W&S Dist - C150409D (CT2015-0120)	Douglas/ Arapahoe	\$450,000	80%	N/A	60%	RP	
	c. Parker W&S Dist - C150410D (CT2015-0110)	Douglas/ Arapahoe	\$1,089,000	80%	N/A	60%	RP	

Projects Under Contract : \$297,415,491

Approved Projects - Not Under Contract								
a	Taylor & Gill Ditch Company >Ditch Piping CTGG1 2021-XXXX	Larimer	\$125,000	0%	Fall 2020 - Spring 2021	0%	CB	This project will replace 1,000 feet of open ditch with a buried pipe. Contracting documents are dated and need redone.
b	Southeastern Colorado Water Conservancy District >Arkansas Valley Conduit CT2022-XXXX	Pueblo, Crowley, Otero, Bent, Prowers	\$90,000,000	0%	Fall 2020 - Fall 2035	0%	RP	
c	Grand Valley Water Users Association >Vinelands Power Plant CT2022-XXXX	Mesa	\$1,066,000		Fall 2021 - Fall 2022	0%	MS	This project will replace the existing hydroelectric powerplant. PPA is signed, LOPP is undergoing final review with BoR. Contractor has not mobilized but is purchasing materials.
d	Orchard Mesa Irrigation District >Vinelands Power Plant CT2022-XXXX	Mesa	\$1,066,000		Fall 2021 - Fall 2022	0%	MS	This project will replace the existing hydroelectric powerplant. PPA is signed, LOPP is undergoing final review with BoR. Contractor has not mobilized but is purchasing materials.
e	Redmesa Reservoir and Ditch Company >Redmesa Reservoir Rehabilitation Engineering CT2022-XXXX	La Plata	\$183,000				MS	This project is to engineer a financially feasible dam rehabilitation, including a potential enlargement. Company has awarded contract to design consultant for Final Design and Engineering. Work began on March 8.
f	South Platte Ditch Company >Diversion Structure Rehabilitation CT2022-XXXX	Washington	\$1,065,000				CB	

Not Under Contract SubTotal = \$92,257,000

Grand Total = \$389,672,491

**WATER PROJECT CONSTRUCTION LOAN PROGRAM
LOAN REPAYMENT DELINQUENCY REPORT
LOAN FINANCIAL ACTIVITY REPORT
July 2021**

LOAN REPAYMENT DELINQUENCY

Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2020 through June 2021. The effective due date of the payment is inclusive of the Board's current 60 day late policy. Hence, the date the payment was received was compared to the last day allowable prior to the payment being considered late.

Repayments due for Fiscal Year 2021 totaled 328. There are no delinquencies other than Two Rivers Water & Farming which has already been addressed by board action.

LOAN FINANCIAL ACTIVITY

Loan Financial Activity relative to the Water Project Construction Loan Program for Fiscal Year 2021 is summarized as follows: Funds received relative to loans in repayment totaled \$55.5M for this year. Funds disbursed relative to new project loans totaled \$42.4M for this year. Net activity resulted in \$13.1M received by the CWCB Construction Fund and the Severance Tax Perpetual Base Fund (STPBF) over the total disbursed.

Further breakdown is summarized as follows: The Construction Fund portion consists of \$34.9M in receivables and \$20.2M in disbursements for a total net activity of \$14.7M received over disbursed. The STPBF consists of \$20.6M in receivables and \$22.2M in disbursements for a total net activity of \$1.6M disbursed over received.

CONSTRUCTION FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July	\$ 9,602,286	\$ 329,415	\$ 9,931,700	\$ 924,682	\$ 9,007,018
August	\$ 1,412,152	\$ 250,382	\$ 1,662,534	\$ 233,385	\$ 1,429,149
September	\$ 1,853,472	\$ 1,059,132	\$ 2,912,605	\$ 1,656,149	\$ 1,256,455
October	\$ 205,556	\$ 80,356	\$ 285,912	\$ 489,052	\$ (203,139)
November	\$ 779,750	\$ 847,360	\$ 1,627,110	\$ 5,574,173	\$ (3,947,063)
December	\$ 531,255	\$ 484,365	\$ 1,015,620	\$ 1,346,275	\$ (330,655)
January	\$ 5,019,609	\$ 742,460	\$ 5,762,069	\$ 1,559,187	\$ 4,202,882
February	\$ 485,000	\$ 303,000	\$ 788,000	\$ 938,985	\$ (150,985)
March	\$ 2,023,896	\$ 872,978	\$ 2,896,875	\$ 1,317,582	\$ 1,579,293
April	\$ 1,021,943	\$ 492,618	\$ 1,514,561	\$ 1,218,405	\$ 296,157
May	\$ 851,701	\$ 539,791	\$ 1,391,492	\$ 4,868,386	\$ (3,476,894)
June	\$ 4,428,751	\$ 636,502	\$ 5,065,253	\$ 104,729	\$ 4,960,523
FY 2021 Totals	\$ 28,215,373	\$ 6,638,359	\$ 34,853,732	\$ 20,230,990	\$ 14,622,742

SEVERANCE TAX TRUST FUND PERPETUAL BASE ACCOUNT

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July	\$ 30,637	\$ 13,228	\$ 43,865	\$ 330,453	\$ (286,588)
August	\$ 3,162,873	\$ 934,758	\$ 4,097,632	\$ 647,738	\$ 3,449,894
September	\$ 332,706	\$ 805,224	\$ 1,137,930	\$ 2,878,670	\$ (1,740,740)
October	\$ 387,402	\$ 132,841	\$ 520,243	\$ 277,749	\$ 242,494
November	\$ 608,329	\$ 1,215,367	\$ 1,823,696	\$ 1,418,890	\$ 404,806
December	\$ 331,861	\$ 1,392,634	\$ 1,724,495	\$ 756,727	\$ 967,768
January	\$ 837,007	\$ 317,965	\$ 1,154,971	\$ 4,239,597	\$ (3,084,626)
February	\$ 3,300,000	\$ 213,000	\$ 3,513,000	\$ 574,159	\$ 2,938,841
March	\$ 185,657	\$ 84,455	\$ 270,112	\$ 7,210,265	\$ (6,940,154)
April	\$ 432,691	\$ 272,368	\$ 705,060	\$ 1,603,449	\$ (898,389)
May	\$ 1,551,072	\$ 3,351,091	\$ 4,902,163	\$ 575,337	\$ 4,326,827
June	\$ 594,376	\$ 69,396	\$ 663,772	\$ 1,661,136	\$ (997,364)
FY 2021 Totals	\$ 11,754,612	\$ 8,802,326	\$ 20,556,938	\$ 22,174,170	\$ (1,617,231)

GRAND TOTALS	\$ 39,969,985	\$ 15,440,685	\$ 55,410,670	\$ 42,405,160	\$ 13,005,511
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