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# COLORADO

**Colorado Water  
Conservation Board**  
*Department of Natural Resources*

## **DIRECTOR'S REPORT**

**September 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: September 15-16, 2021

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

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**~STATEWIDE~**

**CWCB SMALL FEASIBILITY STUDY GRANT FUND UPDATE:**

New grant applications approved:

1. Twin Lakes Reservoir and Canal Company - Grizzly Dam Rehabilitation (\$49,950)

Previously approved grants in FY21/22:

1. None

Total funds approved for feasibility study grants in FY21/22: \$49,950

(Matt Stearns)

**~COLORADO RIVER BASIN~**

**COLORADO RIVER WATER USE—**

2021 Colorado River Storage as of August 29, 2021			
	Elevation (feet above mean sea level)	Storage (MAF)	Percent of Capacity
Lake Mead	1,068.01	9.042	35%
Lake Powell	3,549.46	7.547	31%
Total System Active Storage		23.605	40%
2020 Total Active Storage		29,755	50%
		Flow (MAF)	Percent of Average
Forecasted Unregulated Inflow into Powell (Forecasted Water Year 2021)		3.457	32%

Forecasted CY 2021 Lower Basin Consumptive Use			
State		Use (MAF)	Total (MAF)
Arizona		<b>2.450</b>	
California			
California Agricultural	3.308	<b>4.409</b>	<b>7.119</b>
Metro. Water District	1.084		
Other	17		
Nevada		<b>261</b>	

\*Note MAF = million acre-feet

## **UPPER COLORADO RIVER ENDANGERED FISH RECOVERY PROGRAM—WHITE RIVER MANAGEMENT PLAN AND PROGRAMMATIC BIOLOGICAL OPINION**

The Upper Colorado River Endangered Fish Recovery Program, Colorado Water Conservation Board, and the White River basin stakeholders have made significant progress on developing the White River Management Plan. The White River Management Plan will characterize current and reasonably foreseeable future water use within the basin and its possible impacts to endangered fish, including impacts to endangered fish life stages and habitat in the White and Green River basins. Estimates of future water use were derived from the Colorado Water Conservation Board's 2019 Technical Update to the Water Plan. The White River Management Plan will help identify recovery activities in the White and Green River basins that will provide Endangered Species Act compliance for water depletion impacts in the basin. The White River Management Plan will provide the basis for development of a Programmatic Biological Opinion (PBO) by the U.S. Fish and Wildlife Service (USFWS).

After input received by the USFWS, stakeholders are recommending moving forward with a phased approach to the implementation of the White River Management Plan and the Programmatic Biological Opinion. A phased approach is proposed because of the substantial uncertainty currently surrounding future water development in the basin, the timing and nature of future mechanisms to protect and augment flows in the White River, and the impacts of climate change on basin hydrology.

- Phase 1 will provide immediate Endangered Species Act compliance for existing depletions and a specified amount of new depletions through the implementation of specified management actions by the Upper Colorado River Endangered Fish Recovery Program. Phase 1 will include a check point on Endangered Species Act compliance in accordance with the PBO; and
- Phase 2 will begin when the Programmatic Biological Opinion is modified to incorporate additional management actions to augment flows in the White River that the USFWS determines allows for a greater amount of White River depletions to be provided with Endangered Species Act compliance. Phase 2 is anticipated to cover additional depletions through 2050.

Partners are working with the consultant team to begin drafting the White River Management Plan. Final documents, including the White River Management Plan, Environmental Assessment, and Programmatic Biological Opinion, are anticipated in 2022 to 2023. All documents will be publicly available and reviewed.

*(Jojo La)*

## **UPPER COLORADO RIVER ENDANGERED FISH RECOVERY PROGRAM AND SAN JUAN RIVER BASIN RECOVERY IMPLEMENTATION PROGRAM**

On July 7, 2021, the U.S. Fish and Wildlife Service published a proposed rule to downlist (or reclassify) the razorback sucker from endangered status to threatened status under the Endangered Species Act. The proposed downlisting is based on over thirty years of implementing management actions by the Upper Colorado River Endangered Fish and the San Juan River Basin Recovery Programs, as well as efforts by other programs and entities. The recovery programs continue to provide Endangered Species Act compliance for more than 1,500 water projects in Colorado.

The U.S. Fish and Wildlife Service's evaluation states that the species' status has improved due to conservation actions and partnerships, and the threats to the razorback sucker identified at the time of listing in 1991 have been eliminated or reduced. Public comments on the proposed rule were accepted through September 7, 2021 and a comment letter was submitted by the Department of Natural Resources, including the Colorado Water Conservation Board and Colorado Parks and Wildlife (accessed via <http://www.regulations.gov>).

(Jojo La)



#### **UPPER COLORADO RIVER WILD AND SCENIC STAKEHOLDER GROUP**

On June 10, 2021, the Upper Colorado Wild and Scenic Stakeholder Group (SG) held its quarterly meeting. During this meeting, the SG approved the 2020 Annual Monitoring Report and the Annual Report which are submitted to the U.S. Forest Service and the Bureau of Land Management. The 2020 Annual Monitoring Report did not include Outstandingly Remarkable Values indicator data because it was not collected in 2020 due to COVID-19. However, other usage data from vehicle counter and commercial outfitter data was collected for recreational fishing and floatboating and all other resource guide based monitoring activities were completed. Additionally, a Memorandum of Understanding for participation of new members was approved to clarify participation of parties joining after the finalization of the Amended and Restated Upper Colorado River Wild and Scenic Stakeholder Group Management Plan in June 2020. The SG also discussed several updates including tracking of cooperative measures, accounting of the annual budget and expenditures, and monitoring of 2021 data. A top priority of the SG is to develop a channel maintenance flow monitoring plan by fall of this year—the SG made progress throughout the summer on developing a plan and was able to conduct a field visit in August to review monitoring locations.

(Jojo La)

## **BEAR CREEK LAKE REALLOCATION –**

The Bear Creek Lake Reallocation Feasibility Study has resumed. CWCB Staff met with the Army Corps of Engineers and a group of local experts to begin the Feasibility Scoping process again on August 31st. The first Scoping Team meeting was in October, 2019. The scoping process had been stalled while the Corps completed a preliminary Risk Assessment and worked with Colorado Division of Water Resources Dam Safety team to update the underlying hydrology. CWCB Staff anticipates public involvement to begin in October.

*(Erik Skeie, Lauren Ris)*

## **~WATER CONSERVATION AND DROUGHT PLANNING UPDATES~**

### **OWCDP Director's Report Items - September 2021**

#### **CWCB WATER EFFICIENCY GRANT FUND PROGRAM (WEGF) UPDATE:**

No grant applications have been received since the July 2021 Director's Report. Per the Board's decision in May 2021 to merge this program into the Water Plan Grant Conservation & Land Use Planning and the Engagement & Innovation category, applications will no longer be accepted through this grant program. Staff will continue to spend down the funds that remain in the WEGF.

Two applications were submitted prior to the July 1 merge of grant programs and the below grants are the final grants awarded through the WEGF.

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

Two grants have been approved since the July 2021 Director's Report.

- **Deutsche Domestic Water Company** - Drought Management Plan (\$20,000)
- **City of Englewood** - Water Efficiency Plan Update (\$20,000)

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

- **Town of Bayfield** - Drought Management Plan - *Submitted Final Plan*
- **Crested Butte South Metropolitan District** - Water Efficiency Plan - *Submitted Final Plan*

**(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**

No new approved plans

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 September 23 from 9:30a-11:30a. Please check the website (<http://cwc.state.co.us/public-information/flood-water-availability-task-forces/Pages/main.aspx>) for additional information.

(Ben Wade)

**CO WATER LOSS INITIATIVE:** Phase II of the Colorado Water Loss Initiative officially kicked off on September 1, 2021 with open registration. Kevin and the project team has reassembled the advisory group and has added the Colorado Rural Water Association as well as folks from DOLA. At present, the project team is getting the word out to drive registration and participation.

(Kevin Reidy)

## **LAND/WATER PLANNING NEXUS:**

- 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 final plan has been completed as of August 31, 2021 and is being posted and advertised. With the plan 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 has its next meeting on October 13, 2021 and we are hoping this can be an in-person meeting.
- 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. Another is trying to create a project around reuse water and urban agriculture with a number of partners. Kevin will present on a panel about the intersection of urban agriculture and water efficiency at the Colorado American Planning Association's annual conference on September 8.

**(Kevin Reidy)**

## **~WATERSHED AND FLOOD UPDATES~**

### **Watershed Program Grant Management**

The Colorado Watershed Restoration Program (CWRP) was established in 2008 to provide funding for watershed and stream restoration and protection studies and projects. These funds are managed within the Watershed and Flood Protection Section, and to date, there have been approximately 240 grants equaling approximately \$21 million (including special releases of funds in 2013 and 2021 for flood and fire recover, respectively) awarded. Also managed within the Watershed and Flood Protection Section are the Environment and Recreation category of Water Plan Grants, which go back to 2017.

To date, there have been approximately 50 grants awarded in this category, equaling almost \$5 million. With an ever-increasing amount of money coming into these grant programs, and more grants being awarded each year, it has become necessary to enhance our tracking efforts to ensure that no grant falls through the cracks. In this spirit, staff have created a comprehensive spreadsheet that includes all grants managed within the Watershed Program, as well as Colorado Healthy River grants and all Water Plan grants from every category. This spreadsheet will make it easier for Watershed Program staff to track progress reports, final reports, dollars invoiced to date, etc. In addition, this spreadsheet will be used as the basis for the shape files of each grant program, including the Water Plan Grant shape file that is updated with each new grant cycle, and includes information such as latitude and longitude, project type, and whether or not the project also includes WSRF funds, among other attributes.

**(Andrea Harbin Monahan)**

## National Flood Insurance Program (NFIP) Community Assistance Program-State Support Services Element (CAP-SSSE) Coordinator

### ***Larimer County-Poudre Canyon Post-Flood Resources Open House***

On August 7, Flood Section staff participated in a disaster assistance open house for the victims of the July 20 Black Hollow Creek flood and residents of Poudre Canyon. We got to speak with several residents whose homes were damaged or destroyed in the flood and listen to their personal stories as they navigated the recovery process. We provided access to FEMA's flood hazard layer viewer that allowed attendees to locate their property on the interactive website and then were able to provide guidance on potential flood risk in relation to the Cameron Peak wildfire burn scar. Additionally, informational flyers outlining Flood After Fire risks, mitigation actions, and NFIP insurance were given to all in attendance.

We also had the opportunity to meet with and discuss future cooperative activities with several of the other agencies and organizations that participated in the open house including Lori Hodges with the Larimer County Office of Emergency Management, Amy White and Eric Fried of the Larimer County Community Development & Building Services Division, Chris Le May with CO Department of Local Affairs, and the Natural Resources Conservation Service (NRCS).



### ***FEMA/State Mitigation Program Consultation***

The annual FEMA/State Mitigation Program Consultation took place on August 31 with this office attending. This meeting brings together multiple state and federal agencies who provide program updates with a focus on resiliency initiatives. Additionally, this event provides cooperative opportunities for the agencies and departments to identify shared objectives in resilience and mitigation and build partnerships. An update on DR-4581-CO

recovery and resiliency efforts was provided during the meeting covering the ongoing activities related to the 2020 Cameron Peak and East Troublesome wildfires.

State partners participating in the meeting included the Dept. of Agriculture, Dept. of Transportation, Dept. of Local Affairs, Dept. of Natural Resources, and the CO State Forest Service. Federal agencies represented were FEMA, EPA, Dept. of the Interior, Dept. of Agriculture, the Economic Development Administration, and NOAA.

(Doug Mahan)

### **Colorado Healthy Rivers Fund**

Since 2003, the Colorado Healthy Rivers Fund (CHRF) has been successfully funding and implementing local water enhancement projects throughout all major basins in Colorado. Managed through a unique partnership between the Colorado Water Conservation Board (CWCB), the Water Quality Control Commission and the Colorado Watershed Assembly, the CHRF helps enable local watershed organizations in their on the ground efforts to improve their local watersheds. According to Casey Davenhill, the executive director of the Colorado Watershed Assembly, the 2019 grant cycle was wonderfully successful. The final report for those eight completed projects will be submitted soon. The 2020 funding cycle, which will see projects being implemented in 2021 / 2022, has recently approved funding for seven more projects. Below is a brief overview of these projects:

#### ***Arkansas River Pueblo Tailwater Erosion Project***

Grant: \$20,000	Match: \$17,194	Total: \$37,194
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The goal of the project is to address areas of erosion that are currently limiting the effectiveness of in-stream structures previously installed during the \$6M Arkansas River Legacy Project (2005 & 2013). This project will establish stable, resilient streambanks that enhance existing riparian habitat and reduce the impacts of sediment loading within critical spawning and macroinvertebrate habitat. In combination, this project will support wildlife diversity, identify opportunities for floodplain and wetland connection, and protect an important fishery resource.

#### ***Grand Valley River Corridor Initiative***

Grant: \$15,015	Match: \$10,748	Total: \$25,763
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The Grand Valley's River Corridor extends from De Beque, Colorado to the Utah state line and encompasses the Gunnison River from Bridgeport to the confluence with the Colorado River. The river corridor is a vital community, economic, cultural, and ecological resource that supports the Grand Valley's wellbeing and prosperity. To date, decision-making about river corridor land-use, habitat management, and water use occurs over dozens of agencies and stakeholder groups each with their own plans and missions; however, these groups share values and challenges related to river corridor management and activities. Given the diverse

values of the river corridor, the forecasts for continued growth in the Grand Valley, and the growing environmental stressors (e.g. drought and fire), there is an acute need for collaboration and coordination river corridor activities and planning. This initiative will address these needs by establishing the framework for a consensus-driven process that will help to improve communication, prioritize projects, and target restoration/conservation activities within the river corridor.

***Lower Bear Creek Water Quality Monitoring, Community Outreach, and Education***

Grant: \$20,000

Match: \$42,840

Total: \$62,840

Groundwork Denver (GWD) will collect and analyze water samples to measure pollutants in LBC, begin testing water quality in rain barrels installed by GWD, train youth to conduct this testing, and outreach to and educate residents within the Lower Bear Creek (LBC) watershed about the implication of findings. These activities will inform planning efforts to identify and mitigate nonpoint sources of pollution and adapt restoration and protection efforts to maximize impact. In 2010, the segment of Bear Creek between the outfall of the Bear Creek Reservoir and its confluence with the South Platte River was listed on Colorado's 303 (d) list for exceeding E. coli concentrations. In-stream water quality testing has narrowed the location of likely pollutants to the last three miles of LBC. Additional sampling also shows elevated levels of nitrogen and phosphorus. In response to this impairment, the CDPHE supported a planning process that was spearheaded by GWD and funded by the EPA, resulting in the "LBC Watershed Plan."

***Lower Conejos River Habitat and Diversion Restoration Project***

Grant: \$18,000

Match: \$45,652

Total: \$63,625

The Lower Conejos River Habitat and Diversion Restoration Project will provide multiple benefits for the Conejos River and its water users. This project was prioritized in the Conejos River Stream Management Plan (SMP) and restoration activities were developed in collaboration with water users, landowners, and local, state, and federal agency partners. The Conejos River near the William Stewart Ditch faces degraded water quality, riparian areas, and aquatic habitat due to unstable streambanks, lack of riparian vegetation, and poor river-floodplain connectivity. Conditions are exacerbated by regular diversion dam alterations, which are necessary for water users to divert water at low flows. To address these issues, the project will include the installation of a new, low maintenance diversion dam that allows for fish passage and sediment transport, stabilization of adjacent streambanks, riparian habitat restoration, and floodplain reconnection. The new diversion will eliminate the need for regular heavy equipment use in the river channel, thereby reducing water quality and aquatic habitat impacts. Bank stabilization, riparian revegetation, and floodplain reconnection will reduce erosion, increase stream shading, and augment late summer streamflows by increasing alluvial aquifer storage.

***Palmer Ranch River Protection Project***

Grant: \$20,000

Match: \$10,900

Total: \$30,900

The Palmer Ranch Restoration Project will construct 1.2 miles of exclusion fencing to protect the Florida River from grazing pressures. Ranching operations will be restructured to move intensive grazing practices away from the river and near river pastures and riparian areas will be reseeded to improve riparian conditions, function, and water quality. Intensive operation areas (grazing and feeding areas) that were historically in near-river pastures will be reseeded to decrease nutrient transport to the river, increase infiltration, and river stability. Grazing will be removed from the river corridor entirely for three years to allow for vegetative success and after three years may be permitted on a limited rotational basis. A riparian floodplain island that was historically grazed will be excluded from grazing and reseeded with riparian species.

#### ***Rawley Gulch Reclamation Project***

Grant: \$18,327

Match: \$55,198

Total: \$73,525

The work along Rawley Gulch is the last phase of construction as part of the greater Minnie Lynch Mine reclamation. Since 2011, TU has partnered with USFS to complete sampling, analyses, and three phases of construction focused on improving lands, water quality and ecological function of the watershed. This proposed project will finish up all work at the site and surrounding area, which will achieve the primary goal of reducing the ability of contaminated material to be mobilized off-site during floods or high flow events. Secondary benefits will improve water quality in Rawley Gulch, reduce ecological exposure pathways, and stabilize streambanks through the reclamation of mine wastes and establishing native vegetation. The proposed goals and objectives will be completed through two tasks, focused around the RG3 mine waste pile and along a 1,000 linear foot section of Rawley Gulch floodplain.

#### ***Walton Creek Yampa River Restoration***

Grant: \$20,000

Match: \$5,000

Total: \$25,000

A planning process to build consensus with key stakeholders on the goals and objectives and a concept plan for a river and wetland restoration project around the confluence of Walton Creek and the Yampa River. The project area, encompassing the Yampa River stream channel and riparian areas and floodplain, has been physically and ecologically altered by historic gravel-mining, invasive species, municipal development, and other land use practices. The area includes several public parks and protected open spaces, and is heavily used for public recreation. This project would design a restoration effort to address multiple existing environmental concerns including: 1) elimination of breeding habitat for northern pike, a threat to endangered and threatened native fish in the Yampa River; 2) reduce sedimentation and channel migration in the project area; 3) reduce threats to existing infrastructure including diversion structures for snowmaking, recreational trails, and roads; 4) improve conditions and access to the river for fishing and other recreational uses; 5) improve floodplain connectivity; 6) increase wetland acreage; and 7) restore riparian vegetation. Due

to the project area's substantial recreational usage and the surrounding open space, this project has the potential to be a highly visible model of river and wetland restoration, improving access and environmental conditions for residents of and visitors to northwest Colorado.

(Steve Reeves)

### **Colorado Floodplain and Stormwater Criteria Manual**

CWCB Staff will be updating the Colorado Floodplain and Stormwater Criteria Manual (Criteria Manual) to address significant advancements in data collection, engineering analysis, mapping processes, and data management systems relative to flood risk, stormwater management, watershed management, flood hazard migration, stream restoration and resource preservation. Revisions will be completed in two phases:

- Phase 1 will address chapters and sections specifically related to the recent FEMA technical references, standards and guidance revisions relative for Flood Risk analysis and Mapping Activities under the FEMA Risk Mapping, Assessment and Planning (Risk MAP) program.
- Phase 2 will be much more extensive and will address updates to CWCB watershed protection and management programs.

A steering committee has been assembled. It is comprised of a cross section of local Floodplain Administrators for representative communities [varying size, location, and type (rural and urban)], and representatives from the Colorado Department of Transportation, Federal Emergency Management Agencies, Mile High Flood District, and Consulting Firms (with expertise relative to the topics of revision). This steering committee will act as a Technical Advisory Board throughout this process, and will have its first meeting September 13, 2021.

### **Floodplain Rules and Regulations Rulemaking Update**

CWCB Staff updated redlines of the Floodplain Rules and Regulations for Regulatory Floodplains in Colorado, 2 CCR 408-1 ("Rules") to incorporate the comments and feedback from three stakeholder collaboration work sessions held in June and July. In addition, three subcommittee stakeholder workgroup meetings took place in July and August for Rule 12J and Rule 14. The Notice of Public Rulemaking Hearing was filed with both the SOS and DORA. The Hearing is scheduled for the November Board Meeting. CWCB Staff will continue to receive and consider comments and input relative to the Rules update.

### **The Letter of Map Revision (LOMR) Review Partners Program**

The CWCB LOMR Review Partners Program is continuing. 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. Through these cases we process revisions to Flood Insurance Rate Maps (FIRMs), and our current 13 or so active cases are taking place in Douglas, Jefferson, Weld, El Paso, Boulder, Larimer and Routt Counties.

## September 2021 Risk MAP Project Updates by Major Water Basin

**North Platte** - No work being conducted in this area.

**South Platte** - Park, Gilpin, Boulder, Larimer, Weld, 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:

- Phillips County Phases 2-3: Received partial hydraulics approval from FEMA's reviewer. Working on finalizing that submittal. Starting on floodplain mapping and will be ready to submit the data package for review in early September.
- Base Level Engineering (BLE): BLE is a wide scale, automated approach to developing draft approximate (Zone A) flood risk datasets and floodplains in order to provide communities with an initial overview of the hazard at the local level, but it does not provide a regulatory product as is.
  - o Park County: Working on hydraulics and targeting Discovery for fall of 2021. Last few basins in QC. Preparing Discovery materials.
  - o Logan County: We are currently developing the BLE datasets and expect to hold the Discovery meeting in late 2021/early 2022.
  - o Morgan, Adams, and Arapahoe Counties: We are currently developing the BLE datasets and expect to hold the Discovery meetings in 2022.
- 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.
  - o Boulder County: Distribution of the revised preliminary information is expected to take place on 10/26/2021. The revised preliminary information will include resolution of any appeals received during the second appeal period. There will be a 30-day community review and comment period to ensure any modifications have been reflected correctly on the revised mapping panels.
  - o Gilpin County/St Vrain study: The Letter of Final Determination (LFD) is scheduled for 10/6/2021, and six months later we will have the project become effective/regulatory.
  - o Weld County: Appeal resolution letters are getting prepared and we have an estimated revised preliminary issuance date of 10/26/2021, with a potential LFD for February 2022.

- Larimer County, Saint Vrain, Cache la Poudre additional studies, and Big Thompson River study: We are still pushing towards issuance of the revised preliminary information around 10/12/2021. There is ongoing coordination with Ft. Collins on addressing additional projects unable to be included in the study prior to the formal appeal period. Due to timeline constraints these additional projects will be pursuing parallel Letter of Map Revisions.

**Colorado** - Eagle, Summit, and Garfield Counties have ongoing studies:

- Flood Risk Information System (Mesa County): Web app under development. Developed solutions to several action items such as adding a disclaimer, identifying critical facilities, and modifying the pop-up information to be more descriptive. Investigating options for efficiently sharing rural agricultural flood damage information, incorporation of all the Flood Risk analysis grids, and developing web app user instructions.
- City of Grand Junction Levee (Mesa County): Levee assessment reporting completed and we will look to schedule a community meeting in the next few weeks to go over the project findings and next steps.
- Eagle County Physical Map Revision Phases 2-3: We are expecting distribute the preliminary package to the studied communities in the September timeframe. Then communities will have a 30-day review and comment period before we schedule our next meeting (the Consultation Coordination Officer, or CCO meeting).
- Garfield County Phase 2-3: We are working through amending this project with the new scope of work and timelines, and are in coordination with FEMA and our contractors. We expect the additional work to get started in the next couple of months, once our Fiscal Year 2021 FEMA grants funding has been approved.

**Gunnison** - Delta, Gunnison, Hinsdale, and Ouray Counties have ongoing studies:

- Delta County Phase 2-3. We held the Flood Risk Review meeting with the communities in late July and the 30-day community review period just passed. We are coordinating with several communities on any feedback, questions, or concerns they have about the draft floodplain maps and information distributed. The formal floodplain mapping task will be completed in the next few months.
- Ouray County: Project was transferred to a new contractor and they are actively working towards the preliminary package development and distribution. A Resilience meeting will be held in September with the communities to discuss non-regulatory flood risk products and mitigation opportunities.
- Hinsdale and Gunnison Countywide BLE: While an ongoing study is updating flood risk information and floodplain mapping for the northern part of the county (mentioned under the Upper Gunnison Watershed project below), a countywide BLE effort is taking

place. That study is currently in the BLE development stage and we expect to hold a Discovery meeting likely in late 2021/early 2022.

- Upper Gunnison Watershed 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 once we receive FEMA funds.
  - 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 (with updated hydraulics likely available by September/October timeframe).

**Rio Grande** - Costilla and Mineral Counties have ongoing studies:

- Costilla County: The preliminary package distribution to the communities occurred on 8/12/2021 and we are in the 30-day review and comment period. The next step in the study will be to hold a CCO meeting with community officials.
- Mineral County: The required documentation and signatures from the community were received in late August, and we are preparing the Letter of Map Revision submittal to FEMA for review.

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

- Lake and Chaffee BLE: Review comments for *Lake County's* terrain submittal to FEMA came back, and are currently being addressed. Will resubmit in early September. *Chaffee County* - We are waiting on FEMA's FY21 funds to finalize our hydraulic modeling given some small scope of work changes. Once modeling is completed, we will submit the package for review.
- Custer and Fremont BLE: We held the Custer County kickoff meeting. Fremont's BLE review and Flood Risk Review combined meeting will take place in late 2021.
- Pueblo County BLE: We held the BLE kickoff meeting in August to inform communities of the study that will take place, solicit any feedback, and answer questions. We expect the BLE effort to be completed, and Discovery to take place, in early 2022.
- Huerfano BLE: The Discovery package is getting reviewed by FEMA and comments are being addressed. The Phase 2 scope is finalized and will begin in September.
- Bent and Otero BLE (including the CHAMP 3 Phase 2 scope of work): A joint counties Flood Risk Review meeting was held in July and the 30-day community review period just ended 8/20. We are actively addressing comments and will move forward with additional data development soon.

- City of Las Animas (Bent County) Pre-Levee: Geotechnical work is being wrapped up so the levee assessment report will be ready in a month or two, after which point we will meet with the community to discuss the assessment findings.
- El Paso BLE/Phase 2 and Templeton Gap (T-Gap) pre-levee work: Field survey work is now complete, and the hydrology development is about half way done. Discussions are still taking place with the County with regards to the specific scope of work for analyzing detailed study reaches, and figuring out what will lead to a regulatory mapping product. The T-Gap levee assessments will kick off with FEMA FY21 funding in late 2021.
- Teller County BLE/Phase 2: Still working on hydraulics. We will hold the Flood Risk Review meeting likely in the fall 2021 timeframe.
- Las Animas County BLE: Communities are reviewing the Discovery package and draft datasets, and will provide feedback for the finalization of the Phase 2 scope of work, which will kick off in September.
- Prowers County BLE: This project is waiting on final responses from the communities with levees, as our scope of work will depend on which type of levee treatment each community would like (e.g. certifying and accrediting, obtaining a Provisionally Accredited Levee agreement, de-accreditation, etc.)
- Towns of Granada/Holly/Lamar (Prowers County) Pre-Levee assessments: Follow up meetings with the communities are taking place late August/early September about how to move forward with various levee options for integration into the floodplain mapping work.
- Arkansas River hydrology: We are still working on FEMA approval for the submitted hydrology Conditional Letter of Map Revision (CLOMR). FEMA reviewers have provided feedback which is being addressed.

**Yampa/White** - Rio Blanco 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). FEMA reviewers have provided feedback which we are addressing.
- Upper White Watershed/Rio Blanco County Additional Studies: The Letter of Final Determination was issued in June. 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 22, 2021.
- Moffat County: Hydrology is almost approved. The Flood Risk Review Meeting was held August 4, 2021. Hydraulics submittal likely for late August/early September.

**San Miguel/Dolores/Animas/San Juan** - La Plata, Dolores, Montezuma, Archuleta, San Juan, and the southern parts of Hinsdale and Mineral Counties, along with the Southern Ute Tribe, have ongoing studies:

- Animas Watershed Phases 3-4: Some quality review issues came up in the last couple of months that led FEMA to require a revised preliminary product distribution for La Plata County and part of the Southern Ute Indian Tribe Reservation. San Juan and Archuleta Counties, however, should be moving forward with the appeal process soon since they received exceptions on having a revised preliminary. A portion of the Southern Ute Indian Tribe Reservation is also impacted by minor revisions in Archuleta County.
- Southwest Colorado (Montezuma, Dolores, San Juan, La Plata, Archuleta, Hinsdale, and Mineral Counties) BLE: Working through BLE data development. No major update. Targeting Discovery for late 2021.

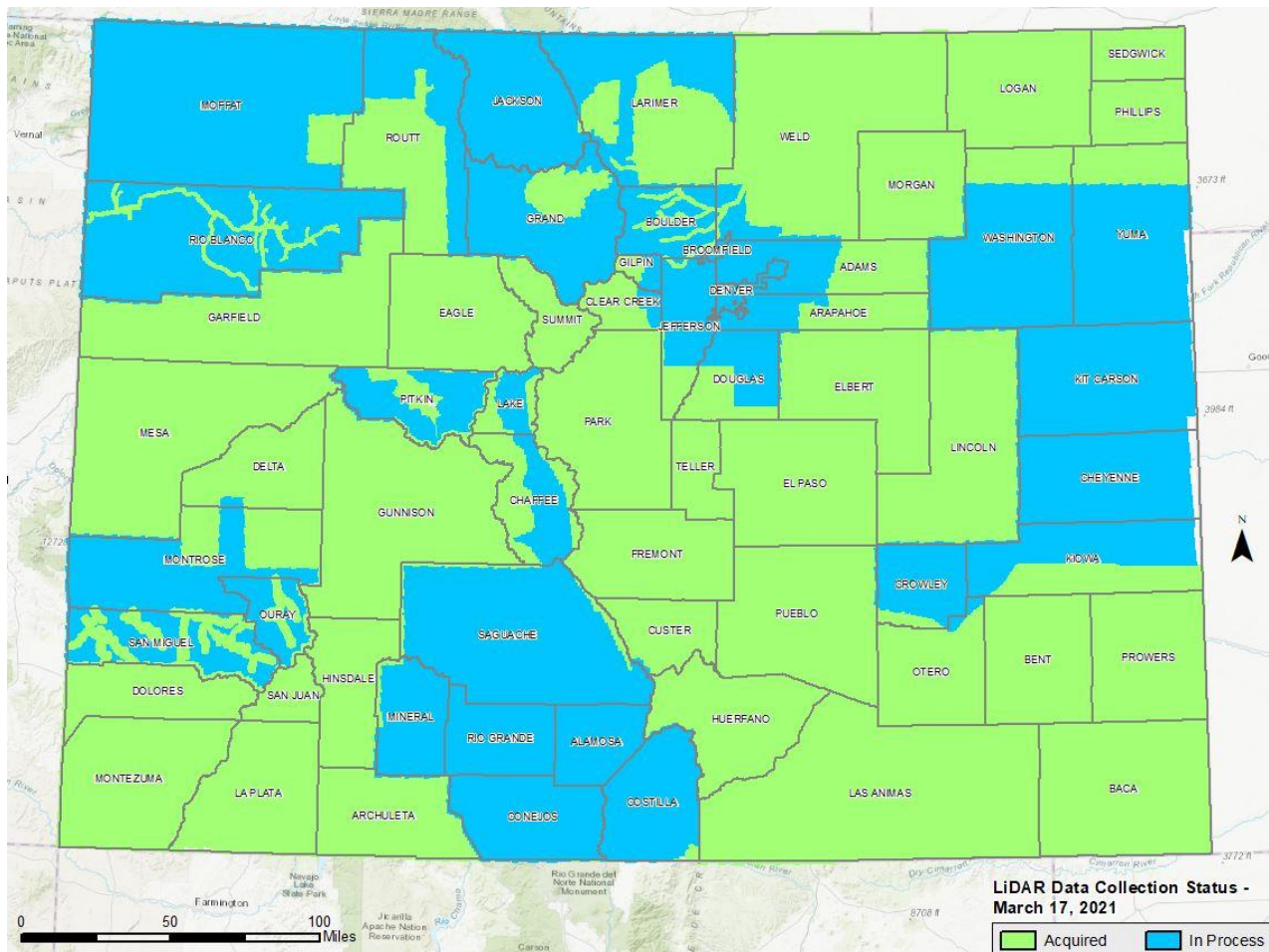
**Multi-Watershed Risk Map Projects:**

- Elbert County BLE: Still working on hydraulics and targeting Discovery for fall of 2021. Last few basins in QC. Preparing Discovery materials.
- Mesa County Phase 2: Continuing to work on hydrology for the countywide effort, while wrapping up field survey. Looking to submit this data package to FEMA for review in late September.
- Colorado Hazard Mapping Program (CHAMP) Phase 3: This set of studies originated from the Colorado Senate Bill (15-245) which was put forth as a response to the destructive 2013 floods. This bill released funding to better assess and map various flood related hazards, including debris flows and erosion, throughout Colorado. As such, CWCBC funded a paper inventory reduction effort through various counties across the state that were still using old paper floodplain maps and needed updated flood risk information, especially if they were affected by these floods and the local conditions were clearly changed. Several county projects that were scoped as part of this CHAMP effort are still ongoing, including the ones listed below.
  - San Miguel County: project still on hold while we coordinate with the Town of Telluride on obtaining its Valley Floor Restoration Project as-built data.
  - Lincoln County Phases 2-3: Hydraulics are being reviewed by FEMA, and floodplain mapping underway.
  - Saguache County: This project will require developing alluvial fan modeling for the Town of Crestone area due to the complicated terrain and flooding patterns. Once this analysis is completed, the project can continue moving forward with the preliminary product development and distribution.

**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.

- 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](http://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)

## CWCB Participates in Preliminary Damage Assessment Process for Colorado River Debris Associated With Glenwood Canyon Mudflows

Flood Section staff have actively partnered with the Colorado Department of Transportation (CDOT) and the Colorado Division of Homeland Security and Emergency Management (DHSEM) to evaluate the potential for requesting a Presidential Disaster Declaration for river debris associated with mudflows stemming from heavy rain on the Grizzly Creek burn scar. This debris, which was deposited over multiple days in late July and early August, has resulted in six new alluvial fans being deposited in the Colorado River over a stretch of three miles. In addition to debris in the river, these events closed Interstate 70 through Glenwood Canyon for over two weeks. The roadway experienced structural damage as well, and currently has only one lane open in each direction. The bike path and three out of four rest areas remain closed indefinitely due to damage, debris, and inundation.

Staff met with other state and federal partners to evaluate the damage and begin formulation of a plan on August 19 and 20. After further review and discussion, the State partners agreed

to move forward with a request for a formal Joint Preliminary Damage Assessment (JPDA) with FEMA personnel on September 1, 2021. Results from this assessment and a path forward are still being finalized as of the date of this report (Sept. 1).

If a Presidential Disaster is requested by the governor of Colorado, FEMA may be able to pay for 75% of debris removal costs. This will be a more complicated situation than usual due to the interplay with CDOT and the Federal Highway Administration (FHWA) as well as the US Forest Service (who has jurisdiction over the lands affected by the river debris) and the complex situation of authorities between the various agencies.

An Incident Command Structure (ICS) has been established for the entire canyon damage, and CWCB and other DNR agencies are participating in the effort. This situation continues to evolve.

**(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. The approved projects and grantees are listed below. A total of \$12,559,337 has been awarded since the last update in July. In most cases the contracts

have been executed in less than one week after approval of the grant application. This is an unprecedented turnaround and addresses the urgency of the post fire recovery efforts.

- City of Greeley - Landscape Scale Post-Fire Mitigation for the Cameron Peak Fire to Protect Critical Watershed Values - Phase 2 - \$3,000,000
- City of Greeley - Landscape scale post-fire mitigation for the Cameron Peak Fire to protect critical watershed values- Phase 3 - \$6,303,337
- Larimer County - Cameron Peak Post-Fire Emergency Watershed Protection Measures - \$606,000
- Northern Colorado Water Conservancy District - East Troublesome Fire Recovery - \$2,650,000

Staff is anticipating another application from the Northern Colorado Water Conservancy District for the NRCS Emergency Watershed Protection program cost share funding in the East Troublesome Fire. There is also a pending application from the Left Hand Watershed Center for continued recovery work in the Calwood Fire. 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.

(Chris Sturm)

#### ~WATER SUPPLY PLANNING SECTION UPDATES~

1. Basin Implementation Plan (Volume 1 and 2) Roundtable/Subcommittee reviews are currently underway and run from August 10 - September 13. A broader public comment period will follow from October 13 - November 16. Basin Implementation Plans are set to be finalized in January 2022.
2. The Drought Task Force hosted a successful Drought Tour on August 11th & 12th, connecting decision makers with information and direct experience with the Western Slope drought. Upwards of 50 participants heard from local leaders on the impacts of drought on agriculture, forest health, wildlife, ecosystems, recreations, industry and local economies.
3. Pre-[Registration](#) is open for the Colorado Water Loss Initiative (CWLI). Phase 2 is available to all systems and offers water loss training and technical assistance at 2 different entry points. Water systems that completed Phase 1 in full will continue an advanced track with training and direct technical assistance depending on the utility's loss profile. Technical assistance opportunities include supply input meter testing, billing data analysis and prorating, customer meter test design and result analysis, real loss component analysis, or leak detection. Phase 2 is expected to start in Fall 2021 and continue through 2024.

4. On September 30th, staff will host an Equity in Water Conference & Workshop for public involvement in the equity, diversity, and inclusivity conversation.

#### **Water Supply Reserve Fund Grants Director's Report - September 2021**

##### **WATER SUPPLY RESERVE FUND GRANTS:**

The following table summarizes the approved Water Supply Reserve Fund Grants \$50,000 and under. The CWCBC Director, Rebecca Mitchell, approved the listed grants on August 18, 2021.

<b>Basin</b>	<b>Applicant</b>	<b>Name of Water Activity</b>	<b>Basin(s) Account Request</b>	<b>Statewide Account Requests</b>	<b>Total Request</b>	<b>Staff Recommendation</b>
Arkansas	Trout Unlimited	Arkansas River Pueblo Tailwater Erosion Project	\$10,000	\$14,000	\$24,000	Staff recommends approval
Arkansas	Watershed Connections	Basin Implementation Plan Education & Outreach	\$15,000	\$10,000	\$25,000	Staff recommends approval
Gunnison	Colorado Ag Water Alliance	Agriculture Water User 2021-2022 Priorities, Outreach and Grant Writing Assistance	\$4,500	\$14,500	\$29,000	Staff recommends approval
North Platte			\$3,000			
South Platte			\$7,000			
Gunnison	Town of Crested Butte	Lake Irwin Valve and Piping	\$25,000	\$0.00	\$25,000	Staff recommends approval
Metro	Water Education Colorado	Water '22	\$5,000	\$35,000	\$40,000	Staff recommends approval
South Platte	Dave Miller Mutual Ditch Company	Dave Miller Ditch Design & Engineering	\$18,750	\$28,125	\$46,875	Staff recommends approval



**COLORADO**

**Colorado Water  
Conservation Board**

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

August, 2021

Re: Water Supply Reserve Fund Grant Approval

Dear Ben Wade:

I am pleased to inform you that I have approved staff recommendation for the grants listed in the memo: "WSRF Grant Recommendation for Director Level Approvals - August 2021", dated August 13, 2021.

Sincerely,

Rebecca Mitchell, Director  
Colorado Water Conservation Board

*Attachment: WSRF Grant Recommendation for Director Level Approvals - August 2021*





## COLORADO

### Colorado Water Conservation Board

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

## Memorandum

To: Rebecca Mitchell, CWCB Director

From: Ben Wade, Water Supply Planning Section

Date: August 13, 2021

Subject: WSRF Grant Recommendation - Director Level Approvals - August 2021

### STAFF RECOMMENDATION:

Staff recommends approval of the WSRF proposals listed below

Basin	Applicant/ Grantee	Name of Water Activity	Basin(s) Account Request	Statewide Account Requests	Total Request	Staff Recommendation
Arkansas	Trout Unlimited	Arkansas River Pueblo Tailwater Erosion Project	\$10,000	\$14,000.00	\$24,000.00	Staff recommends approval
Arkansas	Watershed Connections	Basin Implementation Plan Education & Outreach	\$15,000	\$10,000.00	\$25,000.00	Staff recommends approval
Gunnison	Colorado Ag Water Alliance	Agriculture Water User 2021-2022 Priorities, Outreach and Grant Writing Assistance	\$4,500	\$14,500	\$29,000	Staff recommends approval
North Platte			\$3,000			
South Platte			\$7,000			



Gunnison	Town of Crested Butte	Lake Irwin Valve and Piping	\$25,000	\$0.00	\$25,000.00	Staff recommends approval
Metro	Water Education Colorado	Water '22	\$5,000	\$35,000	\$40,000	Staff recommends approval
South Platte	Dave Miller Mutual Ditch Company	Dave Miller Ditch Design & Engineering	\$18,750	\$28,125	\$46,875	Staff recommends approval

Staff has reviewed the application and has determined it meets the eligibility requirements in Section 39-29-108 (III) C.R.S.

Water Activity Summary Sheets have been attached for your review.

**Water Supply Reserve Fund  
Water Activity Summary Sheet  
July 28, 2021  
Director's Report**

**Applicant & Grantee:** Trout Unlimited

**Water Activity Name:** Arkansas River Pueblo Tailwater Erosion Project

**Water Activity Purpose:** Nonconsumptive (Environmental & Recreational) - Study

**County:** Pueblo

**Drainage Basin:** Arkansas

**Water Source:** Arkansas River

**Amount Requested:** \$10,000 Arkansas Basin Account  
\$14,000 Statewide Account  
\$24,000 Total Request

**Matching Funds:** Basin Account Match = \$10,000

- 71.4% of statewide request (meets 10% min)

**Applicant % 3<sup>rd</sup> Party Match** = \$59,003 (\$52,083 cash & \$6,920 in-kind)

- 421% of the statewide request (meets 40% min)

**Total Match** (Basin request & Applicant Match) = \$69,003

- 493% of the statewide request (meets 50% min)

Staff Recommendation:
Staff recommends approval of up to \$10,000 from the Arkansas Basin Account, and up to \$14,000 from the Statewide Account to help fund the project: Arkansas River Pueblo Tailwater Erosion Project

**Water Activity Summary:** The applicant's goal is to address areas of "significant" erosion that are limiting the effectiveness of in-stream structures installed during the Arkansas River Legacy Project in 2005 and 2013; as well as reducing sedimentation of critical spawning and macroinvertebrate habitat. Phase 1 of the project will analyze hydrologic and geomorphologic processes and develop options for mitigating erosion through bank stabilization plans and habitat improvement along four areas of streambanks with significant erosion in the upper tailwater section of the Arkansas River. Site A located upstream from the Valco Bridge is of primary concern due to ongoing erosion at all flow levels, downstream sedimentation, and potential impact to private property and water storage infrastructure.

If fully funded, Phase 1 will develop a stakeholder-driven restoration plan and complete required permitting to rehabilitate approximately 1,300 feet of streambank. The applicant believes this project will ultimately establish stable, resilient streambanks that enhance existing riparian habitat and improve the recreational opportunities in the

most important winter fishery along the urban Front Range. In addition to maintaining this important fishery, this project will enhance avian and aquatic habitat, support wildlife diversity, identify opportunities for floodplain and wetland connection, and protect a water storage facility.

**Discussion:** This project supports the goals of the Colorado Water Plan and the Arkansas Basin Roundtable Implementation plan by addressing areas of significant erosion that is negatively affecting the fish habitat below Pueblo Dam.

**Issues/Additional Needs:** None.

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

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

<b>Funding Sources/Match</b>	<b>Cash</b>	<b>In-Kind</b>	<b>Total</b>	<b>Status</b>
Trout Unlimited Chapter 509	\$7,500	\$3,920	\$11,420	Secured
Trout Unlimited/Colorado Rivers Fund	\$20,000	\$3,000	\$23,000	Secured
Colorado Healthy Rivers Fund	\$20,000	\$0	\$20,000	Secured
Fly Fishers International Pueblo Tailwater Renegades (National)	\$3,000	\$0	\$3,000	Secured
Fly Fishers International Pueblo Tailwater Renegades (Local Chapter)	\$1,583	\$0	\$1,583	Secured
<b>Sub Total Matching Funds</b>	<b>\$52,083</b>	<b>\$6,920</b>	<b>\$59,003</b>	
WSRF Arkansas Basin Account	\$10,000	\$0	\$10,000	Secured
WSRF Statewide Account	\$14,000	\$0	\$14,000	
<b>Sub Total WSRF Funds</b>	<b>\$24,000</b>	<b>\$0</b>	<b>\$24,000</b>	
<b>Total Project Costs</b>	<b>\$76,083</b>	<b>\$6,920</b>	<b>\$83,003</b>	

**CWCB Project Manager:** Rachel Pittinger

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

**Applicant & Grantee:** Watershed Connections, LLC

**Water Activity Name:** Basin Implementation Plan Education and Outreach

**Water Activity Purpose:** Education & Outreach - Implementation

**County:** Basin-wide

**Drainage Basin:** Arkansas River

**Water Source:** N/A

**Amount Requested:** \$15,000 Arkansas Basin Account  
\$10,000 Statewide Account  
\$25,000 Total Request

**Matching Funds:** **Basin Account Match = \$15,000**

- 150% of statewide request (meets 10% min)

**Applicant % 3<sup>rd</sup> Party Match** (cash & in-kind) = \$2,820

- 28.2% of the statewide request

**Total Match** (Basin request & Applicant Match) = \$17,820

- 178% of the statewide request (meets 50% min)

Staff Recommendation:
Staff recommends approval of up to \$15,000 from the Arkansas Basin Account and \$10,000 from the Statewide Account to help fund the project: Basin Implementation Plan Education and Outreach

**Water Activity Summary:** If approved, WSRF funds will be used help the Arkansas Basin Roundtable Public Education, Participation and Outreach (PEPO) committee to undertake a structured public relations effort to improve engagement with key stakeholders in the basin's water planning process and to enhance communication with diverse audiences regarding the purpose and progress of the water planning process in the Arkansas basin.

Additionally, funds would help the PEPO committee work to elevate the public awareness of and support for the Arkansas Basin Roundtable, the Colorado Water Plan update, the CWCB, and other local, regional and statewide water initiatives across the basin.

The applicant states that multiple defined audiences will be addressed with targeted messages delivered using appropriate communication tools, from produced video segments to social media; from news releases engaging media coverage to print handouts and face-to-face interaction at conferences, and festivals.

**Discussion:** This project supports the goals of the Colorado Water Plan and the Arkansas Basin Roundtable Implementation plan by engaging key stakeholders in the basin's water planning process and raising public awareness on critical water issues.

**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.

<b>Funding Sources/Match</b>	<b>Cash</b>	<b>In-Kind</b>	<b>Total</b>	<b>Status</b>
Arkansas Basin Roundtable PEPO Workgroup	\$0	\$2,820	\$2,820	Secured
<b>Sub-Total Matching Funds</b>	\$0	\$2,820	\$2,820	
WSRF Arkansas Basin Account	\$15,000	\$0	\$15,000	Secured
WSRF Statewide Account	\$10,000		\$10,000	
<b>Total Project Costs</b>	<b>\$25,000</b>	<b>\$2,820</b>	<b>\$27,820</b>	

**CWCB Project Manager:** Elizabeth Schoder

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

**Applicant & Grantee:** Colorado Ag Water Alliance

**Water Activity Name:** Agriculture Water User 2021-2022 Priorities: Outreach and Grant Writing Assistance

**Water Activity Purpose:** Agricultural, Education & Outreach - Implementation

**County:** Adams, Boulder, Delta, Gunnison, Jackson, Larimer, Logan, Montrose, Morgan, Phillips, Sedgewick, Washington, Weld, and Yuma Counties

**Drainage Basin:** Gunnison, North Platte, and South Platte

**Water Source:** N/A

**Amount Requested:** \$4,500 Gunnison Basin Account  
\$3,000 North Platte Basin Account  
\$7,000 South Platte Basin Account  
\$14,500 Statewide Account  
\$29,000 Total Request

**Matching Funds:** **Basin Account Match** = \$14,500

- 100% of statewide request (meets 10% min)

**Applicant & 3rd Party Match** = \$23,000 (cash)

- 158% of the statewide request (meets 10% min)

**Total Match** (Basin request & Applicant Match) = \$37,500

- 258% of the statewide request (meets 50% min)

<b>Staff Recommendation:</b>
Staff recommends approval of up to \$4,500 from the Gunnison Basin Account, \$3,000 from the North Platte Basin Account, \$7,000 from the South Platte Basin Account and up to \$14,500 from the Statewide Account to help fund the project: Agriculture Water User 2021-2022 Priorities: Outreach and Grant Writing Assistance

**Water Activity Summary:** If approved, the applicant proposes to host as many as eight trainings and/or mini-workshops, 20 presentations or webinars, two “Ag Field Days” to visit made available to the 14 counties listed above. The focus of their ongoing outreach will be on Watershed Management Plans (WMP), Stream Management Plans (SMP), Regulation 85, infrastructure improvements, and pasture management. The applicant will be conducting outreach with conservancy districts, conservation districts, and other member organizations of the Colorado Ag Water Alliance, irrigation districts, and ditch companies.

The applicant also proposes to provide support to agricultural producers and organizations in preparing applications for state and federal grants related to projects that deal with infrastructure, stream management, water quality, and conservation.

This applicant will partner with the Ag Water NetWORK to complete their proposed scope of work.

**Discussion:** The proposal is in line with the Gunnison, North Platte & South Platte Basin Roundtables Basin Implementation Plans goals for education and outreach to reach an important segment of the agricultural community.

**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.

<b>Funding Sources/Match</b>	<b>Cash</b>	<b>In-Kind</b>	<b>Total</b>	<b>Status</b>
Colorado Ag Water Alliance	\$23,000	\$0	\$23,000	Secured
<b>Sub Total Matching Funds</b>	<b>\$23,000</b>	<b>\$0</b>	<b>\$23,000</b>	
WSRF Gunnison Basin Account	\$4,500	\$0	\$4,500	Secured
WSRF North Platte Basin Account	\$3,000	\$0	\$3,000	Secured
WSRF South Platte Basin Account	\$7,000	\$0	\$7,000	Secured
WSRF Statewide Account	\$14,500	\$0	\$14,500	
<b>Sub Total WSRF Funds</b>	<b>\$29,000</b>	<b>\$0</b>	<b>\$29,000</b>	
<b>Total Project Costs</b>	<b>\$52,000</b>	<b>\$0</b>	<b>\$52,000</b>	

**CWCB Project Manager:** Ben Wade

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

**Applicant & Grantee:** Town of Crested Butte

**Water Activity Name:** Lake Irwin Valve and Piping Replacement

**Water Activity Purpose:** Agricultural, Municipal/Industrial, Nonconsumptive  
(Environmental & Recreational), Other - Implementation

**County:** Gunnison County

**Drainage Basin:** Gunnison River

**Water Source:** Coal Creek, Lake Irwin & Slate River

**Amount Requested:** \$25,000 Gunnison Basin Account  
\$25,000 Total Request

**Matching Funds:** **Basin Account Match = \$247,266 (cash)**  
• 91% of Total Project Cost (meets 25% min)

Staff Recommendation:
Staff recommends approval of up to \$25,000 from the Gunnison Basin Account to help fund the project: Lake Irwin Valve and Piping Replacement

**Water Activity Summary:** Lake Irwin, located near Kebler Pass, west of Crested Butte, supplies storage water for the Town of Crested Butte municipal system. The water passes through a tunnel, valve and pipe to flow into Coal Creek and then east to the Town intake. The supply valve is in a 4-foot square concrete vertical shaft that is significantly degraded. The concrete within this structure is visibly deteriorating, with portions of the concrete crumbling onto the top of the valve and actuator extension stem. Operation of this valve is challenging and Town staff report that ground water infiltrates into the shaft during the spring and early summer months. There are no existing drawings for this valve and the exact depth of the valve is unknown; however, Town staff believes it to be approximately 20 feet deep.

A new valve and pipeline will secure water diversion to Coal Creek for fish habitat, recreational, agriculture and sustainable drinking water for Crested Butte.

The applicant states that this proposal will result in 430 feet of new pipe installed and 367 acre feet of existing storage preserved or enhanced.

**Discussion:** The Gunnison Basin Roundtable supports the project in concept, because the project would help to improve aging infrastructure, and benefits municipal water supply and recreational use. It is included in the updated BIP projects list. The Town initially requested \$50,000 from the Gunnison Basin Account for the proposal. At the time of the vote, the Roundtable was only willing to approve \$25,000 in Basin Funds.

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

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

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

<b>Funding Sources/Match</b>	<b>Cash</b>	<b>In-Kind</b>	<b>Total</b>	<b>Status</b>
Town of Crested Butte	\$205,266	\$0	\$205,266	Secured
CO River District - Community Fund Partnership	\$42,000	\$0	\$42,000	Secured
<b>Sub-Total Matching Funds</b>	<b>\$247,266</b>	<b>\$0</b>	<b>\$247,266</b>	
WSRF Gunnison Basin Account	\$25,000	\$0	\$25,000	Secured
<b>Total Project Costs</b>	<b>\$272,266</b>	<b>\$0</b>	<b>\$272,266</b>	

**CWCB Project Manager:** Cole Bedford

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

**Applicant & Grantee:** Water Education Colorado

**Water Activity Name:** Water 2022

**Water Activity Purpose:** Education & Outreach - Implementation

**County:** Statewide

**Drainage Basin:** Statewide

**Water Source:** N/A

**Amount Requested:** \$5,000 Metro Basin Account  
\$35,000 Statewide Account  
 \$40,000 Total Request

**Matching Funds:** **Basin Account Match = \$5,000**

- 14.2% of statewide request (meets 10% min)

**Applicant & 3rd Party Match = \$90,750 (cash)**

- 259% of the statewide request (meets 10% min)

**Total Match (Basin request & Applicant Match) = \$95,750**

- 273% of the statewide request (meets 50% min)

<b>Staff Recommendation:</b>
Staff recommends approval of up to \$12,500 from the Metro Basin Account, and up to \$12,500 from the South Platte Basin Account to help fund the project: Water 2022

**Water Activity Summary:** Water 2022 (or Water '22 for short) is envisioned as an expansive statewide project to raise public awareness around water. Water '22 will be modeled after the Water 2012 campaign, when Gov. Hickenlooper issued a proclamation declaring 2012 the "Year of Water," kicking off a year-long celebration of water. More than 600 unique entities across the state participated in the grassroots effort in 2012, contributing through organizing events and other activities that connected with the statewide campaign.

The 2022 campaign will celebrate the anniversaries of some of the state's most prominent water institutions and frameworks, including the 100th anniversary of the Colorado River Compact. The timing will also be right to use the campaign to generate public awareness and engagement in the Basin Implementation Plans and the Colorado Water Plan update.

The applicant states the campaign will not include any lobbying or advocacy activities. Specific campaign goals will be developed working with a diverse management team, and messaging will be vetted by a broad coalition of partners, including the Metro Roundtable's Education Committee and other roundtables.

**Discussion:** The Metro Roundtable views this proposal as consistent with their Education Action Plan (EAP) priorities. The EAP highlights several strategies that connect directly with

Water Education Colorado's (WEco) *Statewide Water Education Action Plan*, and makes note of working with WEco to develop "consistent and locally relevant messaging reflecting the diversity of interests in the northern front range and northeastern Colorado."

In addition, the EAP highlights several specific South Platte Basin Implementation Plan goals that could be advanced through a clear message. The Water 2022 campaign's goal of helping Coloradans identify "threats and potential solutions for a sustainable water supply" could be directed in the metro area and South Platte Basin to highlight the opportunities for identified projects and processes, conservation and reuse, ATMs, and the role of Colorado River Basin supplies.

**Issues/Additional Needs:** Prior to contracting, the applicant must secure matching funding. No further 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.

<b>Funding Sources/Match</b>	<b>Cash</b>	<b>In-Kind</b>	<b>Total</b>	<b>Status</b>
WEco Sponsorships	\$60,000	\$0	\$60,000	Pending
Xcel Energy Foundation Grant	\$15,000	\$0	\$15,000	Pending
WEco	\$0	\$15,750	\$15,750	Secured
<b>Sub Total Matching Funds</b>	<b>\$75,000</b>	<b>\$15,750</b>	<b>\$90,750</b>	
WSRF Metro Basin Account	\$5,000	\$0	\$5,000	Secured
WSRF South Platte Basin Account	\$35,000	\$0	\$35,000	
<b>Sub Total WSRF Funds</b>	<b>\$40,000</b>	<b>\$0</b>	<b>\$40,000</b>	
<b>Total Project Costs</b>	<b>\$115,000</b>	<b>\$15,750</b>	<b>\$130,750</b>	

**CWCB Project Manager:** Elizabeth Schoder

**Water Supply Reserve Fund  
Water Activity Summary Sheet  
Director's Report**

**Applicant & Grantee:** Dave Miller Mutual Ditch Company  
**Water Activity Name:** Dave Miller Ditch Design & Engineering  
**Water Activity Purpose:** Agricultural - Study  
**County:** Boulder  
**Drainage Basin:** South Platte  
**Water Source:** North St. Vrain Creek  
**Amount Requested:** \$18,750 South Platte Basin Account  
\$28,125 Statewide Account  
\$46,875 Total Request

**Matching Funds:** Basin Account Match = \$18,750

- 67% of statewide request (meets 10% min)

Applicant & 3rd Party Match = \$28,125 (cash)

- 100% of the statewide request (meets 10% min)

**Total Match (Basin request & Applicant Match) = \$46,875**

- 167% of the statewide request (meets 50% min)

Staff Recommendation:
Staff recommends approval of up to \$18,750 from the South Platte Basin Account, and up to \$28,125 from the Statewide Account to help fund the project: Dave Miller Ditch Design & Engineering

**Water Activity Summary:** The Dave Miller Ditch was severely damaged in the 2013 flood. A new solar-powered pump station was constructed in 2019 to replace the destroyed irrigation diversion on North St. Vrain Creek upstream of the Apple Valley Road in Lyons. The project was funded by the CDBG-DR program during flood recovery. The new diversion allows for fish passage and safe recreational boating. A solar array funds the electricity cost to pump water into the ditch. However, the ditch itself was also damaged and currently cannot service most of its shareholders.

The ditch is approximately one mile long but can only service the first 1,000 feet. If approved, WSRF funds would fund the installation of new pipe and re-align approximately 5,000 feet of the ditch with 12" pipe to service approximately 45 acres of agricultural use. The piping will conserve water by minimizing infiltrative and evaporative losses, reduce maintenance costs and maximize the 1.43 cfs water right for agricultural purposes. The ditch has been in use for hay production since 1874. The piping project will be designed to accommodate 3 cfs since additional water may be available for purchase from the St. Vrain and Lefthand Water Conservancy District.

The applicant states this proposal will result in 10 acre feet per year efficiency savings and 45 acres of habitat will be preserved.

**Discussion:** The South Platte Basin Roundtable approval states the roundtable approves the project because it helps improve water efficiency by replacing and installing new piping.

**Issues/Additional Needs:** The applicant will need to secure matching funds prior to contracting. No other 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.

<b>Funding Sources/Match</b>	<b>Cash</b>	<b>In-Kind</b>	<b>Total</b>	<b>Status</b>
Dave Miller Ditch Mutual Company (CWCB Loan)	\$28,125	\$0	\$28,125	Pending
<b>Sub Total Matching Funds</b>	\$28,125	\$0	\$28,125	
WSRF South Platte Basin Account	\$18,750	\$0	\$18,750	Secured
WSRF Statewide Account	\$28,125	\$0	\$28,125	
<b>Sub Total WSRF Funds</b>	\$46,875	\$0	\$46,875	
<b>Total Project Costs</b>	<b>\$75,000</b>	<b>\$0</b>	<b>\$75,000</b>	

**CWCB Project Manager:** Cole Bedford



## COLORADO

### Colorado Water Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718  
Denver, CO 80203

P (303) 866-3441  
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Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Rebecca Mitchell, CWCB Director

**TO:** Rebecca Mitchell, CWCB Director

**FROM:** Anna Mauss, Chief Operating Officer  
Ben Wade, Water Supply and Planning Section  
Chris Sturm, Watershed & Flood Protection Section  
Cole Bedford, P.E., Finance Section  
Kevin Reidy, Water Supply and Planning Section  
Matt Stearns, P.E., Finance Section

**DATE:** September 1, 2021

**SUBJECT:** Water Plan Grant - Grant Recommendations \$50,000 and under

#### Staff Recommendation:

Staff recommends Director approval for the projects listed in the following table regarding Colorado's Water Plan Grant Program.

Applicant	Project Name	Grant Request Amount	Staff Recommendation
Agricultural			
National Young Farmers Coalition	<a href="#">Water and Equity Partnership</a>	\$49,999.00	\$49,999.00
River Network	<a href="#">Piloting Multi-Benefit Project Coordinators - Readiness Assessment Supplemental Ask</a>	\$32,439.00	\$32,439.00
Upper Yampa Water Conservancy District	<a href="#">Evaluating the Observation Network and Enhancing Soil Moisture Observations to Support Decision Making and to Monitor Potential Impacts of Climate Change in the Upper Yampa Basin Phase I</a>	\$24,944.00	\$24,944.00
Engagement & Innovation			
Colorado Humanities	<a href="#">The Five States of Colorado</a>	\$49,500.00	\$49,500.00
Colorado State University	<a href="#">Advancing Language Justice in Stormwater Education</a>	\$49,999.00	\$49,999.00
Sangre de Cristo Acequia Association	<a href="#">Acequia Community Education and Project Planning</a>	\$24,500.00	\$24,500.00



Environment & Recreation			
Boulder County Community Planning & Permitting Department	<a href="#">Boulder County Fluvial Hazards Integration Study</a>	\$30,000.00	\$30,000.00
River Network	<a href="#">SMP Peer Learning Network Bridge Funding</a>	\$35,147.00	\$35,147.00
Storage & Supply			
Huerfano County Water Conservancy District	<a href="#">Maria Stevens Reservoir Dredging Feasibility Study</a>	\$14,795.00	\$14,795.00
<b>Total Recommended for Approval</b>			<b>\$311,323.00</b>

**Background:**

Applications were received by July 1, 2021. See links to applications for project summaries.



## Water Plan Grants Director's Report - September 2021

### WATER PLAN GRANTS:

The following table summarizes the approved Water Plan Grants \$50,000 and under.

Applicant	Project Name	Grant Request Amount	Staff Recommendation
Agricultural			
National Young Farmers Coalition	<a href="#">Water and Equity Partnership</a>	\$49,999.00	\$49,999.00
River Network	<a href="#">Piloting Multi-Benefit Project Coordinators - Readiness Assessment Supplemental Ask</a>	\$32,439.00	\$32,439.00
Upper Yampa Water Conservancy District	<a href="#">Evaluating the Observation Network and Enhancing Soil Moisture Observations to Support Decision Making and to Monitor Potential Impacts of Climate Change in the Upper Yampa Basin Phase I</a>	\$24,944.00	\$24,944.00
Engagement & Innovation			
Colorado Humanities	<a href="#">The Five States of Colorado</a>	\$49,500.00	\$49,500.00
Colorado State University	<a href="#">Advancing Language Justice in Stormwater Education</a>	\$49,999.00	\$49,999.00
Sangre de Cristo Acequia Association	<a href="#">Acequia Community Education and Project Planning</a>	\$24,500.00	\$24,500.00
Environment & Recreation			
Boulder County Community Planning & Permitting Department	<a href="#">Boulder County Fluvial Hazards Integration Study</a>	\$30,000.00	\$30,000.00
River Network	<a href="#">SMP Peer Learning Network Bridge Funding</a>	\$35,147.00	\$35,147.00
Storage & Supply			
Huerfano County Water Conservancy District	<a href="#">Maria Stevens Reservoir Dredging Feasibility Study</a>	\$14,795.00	\$14,795.00
Total Recommended for Approval			\$311,323.00

## **~INSTREAM FLOW UPDATES~**

### **RECENTLY DECREED ISF WATER RIGHTS:**

On July 26, 2021, the Division 4 Water Court decreed instream flow (ISF) water rights to the CWCB on a reach of Kelso Creek in Case No. 20CW3072 for 0.85 cfs (09/01-03/31), and 2.4 cfs (04/01–08/31), with an appropriation date of January 27, 2020. The upstream terminus is Kelso Creek’s headwaters, and the lower terminus is the confluence with Bear Gulch. This reach is approximately 9.89 miles long and flows in a northeasterly direction through parts of Mesa County. Colorado Parks and Wildlife recommended this reach to protect the creek’s resident trout population which are a core conservation population of Colorado River cutthroat trout that exhibit greater than 99% genetic purity.

## **~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

**September 15-16, 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. Staff: (A) stipulated in three cases in which CWCB had filed a Statement of Opposition; Applicant withdrew in one case; 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. 19CW3161 (Water Division 5) - Application of Sun River Run Ranch RV, LLC and Town of Granby**

The Board ratified this Statement of Opposition at its March 2020 meeting. Application seeks a change of conditional water rights and amendment to plan for augmentation. 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 CWCB holds instream flow water rights, including the following, in Water Division 5 in the Colorado Headwaters watershed that could be injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
11CW0159	Colorado River	confl Blue River	confl Piney River	500 (9/16 - 5/14) 600 (5/15 - 7/31) 750 (8/1 - 9/15)	07/12/2011
11CW0160	Colorado River	confl Piney River	confl Cabin Creek	525 (9/16 - 5/14) 650 (5/15 - 7/31) 800 (8/1 - 9/15)	07/12/2011
11CW0161	Colorado River	confl Cabin Creek	pt immed u/s of confl Eagle River	650 (9/16 - 5/14) 900 (5/15 - 6/15) 800 (6/16 - 9/15)	07/12/2011
90CW0300	Colorado River	outlet Granby Res	confl Fraser River	40 (5/1 - 8/31) 20 (9/1 - 4/30)	11/27/1990
80CW0447	Colorado River	hdgt Windy Gap Project div	confl Williams Fork River	90 (1/1 - 12/31)	07/08/1980
80CW0446	Colorado River	confl Williams Fork River	confl Troublesome Creek	135 (1/1 - 12/31)	07/08/1980

80CW0448	Colorado River	confl Troublesome Creek	confl Blue River	150 (1/1 - 12/31)	07/08/1980
90CW0308	Fraser River	confl Crooked Creek	confl Colorado River	30 (5/15 - 9/15) 19 (9/16 - 5/14)	11/27/1990

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

- “Granby’s diversions from Well Nos. 2 through 5 for changed purposes shall be limited to 0.232 cfs, not to exceed 60.3 acre-feet such that the diversions and depletions attributable to well pumping are less than what was authorized under the 03CW334 Decree. Granby’s combined diversions from Well Nos. 2 through 5 for all purposes shall be limited to 0.385 cfs not to exceed 100 acre feet annually, such that the diversions and depletions attributable to well pumping are the same as authorized under the 03CW334 Decree.”
- “When water diverted from Shorefox Well Nos. 2 through 5 is utilized within Granby’s North Service Area boundaries, the water rights shall only be used for in-door municipal use during an emergency situation. During such time, when Granby uses water from Shorefox Well Nos. 2 through 5 within its North Service Area boundaries, Granby shall prohibit outside water use from the potable water distribution system within the North Service Area.”
- CWCB instream flow terms:
  - “At times when the instream flow water right decreed in Case No. 90CW300 is being administered and not satisfied, Applicants shall make replacements pursuant to the 03CW334 Decree and this Decree to the Colorado River at a point upstream of the depletions. This would require either: 1) bypassing of historical consumptive use credits at the headgate of the Selak-Larabee Ditch on the Colorado River; 2) releasing water from North Shorefox Pond to the Colorado River upstream of well depletions; 3) releasing water from Granby Reservoir to the Colorado River; and/or 4) releasing water from Shorefox Augmentation Pond Nos. 1 or 2 to the Colorado River upstream of well depletions.
  - At times when any of the instream flow water rights decreed in Case Nos. 80CW446, 80CW447, and 80CW448 are being administered and not satisfied, Applicants shall make replacements pursuant to the 03CW334 Decree and this Decree to the Colorado River at a point upstream of the particular instream flow water rights that are being administered and not satisfied with any source of replacement supply listed in the 03CW334 Decree and this Decree except for Wolford Mountain Reservoir or Ruedi Reservoir releases.
  - At times when any of the instream flow water rights decreed in Case Nos. 11CW159, 11CW160, and 11CW161 are being administered and not satisfied, Applicants shall make replacements pursuant to the 03CW334 Decree and this Decree to the Colorado River at a point upstream of the particular instream flow water rights that are being administered and not satisfied with any source of replacement supply listed in the 03CW334 Decree and this Decree except for Ruedi Reservoir releases.”

**(2) Case No. 20CW3137 (Water Division 5) - Application of Crystal River Ranch Co LLC**

The Board ratified this Statement of Opposition at its March 2021 meeting. Applicant sought a Change of Water Rights. In this case, Applicant withdrew its application. The Court granted Applicant's Motion to Dismiss in this case without prejudice and ordered that each party pay their own costs and fees associated with this case.

The CWCB holds instream flow water rights, including the following, in Water Division 5 in the Roaring Fork watershed that could be injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
85CW0626	Cattle Creek	confl Lola Creek	confl Fisher Creek	4 (1/1 - 12/31)	11/08/1985
97CW0273*	Cattle Creek	confl Coulter Creek	hdgt Park Ditch	2 (5/1 - 10/31)	09/22/1997

\* Increased

This case was dismissed.

**(3) Case No. 19CW3031 (Water Division 6) - Application of Eastern Rio Blanco Metropolitan Recreation & Park District and Town of Meeker**

The Board ratified this Statement of Opposition at its March 2020 meeting. Applicant seeks groundwater right, surface water right, water storage right, and a request for approval of plan for augmentation. 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 CWCB holds instream flow water rights, including the following, in Water Division 6 in the Upper White watershed that could be injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
W-3652C(1977) (Decreed in Div. 5)	White River	confl NF & SF White River	confl Piceance Creek	200 (1/1 - 12/31)	11/15/1977

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

- "Well permit: Applicants shall obtain a well permit pursuant to C.R.S. § 37-90-137(2) from the Colorado Division of Water Resource before the Circle Park Pond is constructed. As part of that process, Applicants will confirm that there are no groundwater wells located within 600 feet of the decreed location of the Circle Park Pond."
- "Irrigation diversions: Irrigation diversions under the water rights for the Circle Park Pond and the Circle Park Irrigation Diversion are intended to irrigate the same acreage. Total combined irrigation diversions under those rights shall not exceed 0.17 c.f.s."

- “Transit losses: The transit losses associated with releases for the replacement of depletions as contemplated in the application are only for the purposes of establishing that the plan can operate and may be sufficient to prevent injury. Actual transit losses will be determined and assessed at the time releases are made and may be modified per C.R.S. § 37-80-102(7) and C.R.S. § 37-83-104 as determined necessary by the Division Engineer.”
- “Agreement with CPW: The augmentation plan approved in this case will not become operational until Applicants have provided to the Division Engineer a fully executed copy of an agreement between Applicants and CPW regarding the releases from Big Beaver Reservoir necessary to support that augmentation plan. Applicants shall also provide a copy of this agreement to CWCB for review and comment.”

## **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. 21CW3015 (Water Division 2) - Application of The City of Colorado Springs**

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. W-4270(1975) on Gageby Creek. This case was resolved with CWCB by a letter agreement, dated August 10, 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.

"Any subsequent physical exchange(s) of water first exchanged under this Decree that is/are not specifically decreed herein must be pursuant to, and consistent with, the terms and conditions of an existing or future Water Court decree or administrative approval that permits such an exchange. To the extent that the tool is available and capable, Utilities shall also provide notice of such exchange operation through the Arkansas Basin Water Operations Dashboard maintained by the Colorado Division of Water Resources. In addition, if Utilities subsequently contract exchanges or reservoir trades water first exchanged under this Decree with another entity, Utilities shall provide notice of such operation as required by the State and Division Engineers (where such notice shall include, to the extent that the tool is available and capable, submitting notice of such operation through the Arkansas Basin Water Operations Dashboard maintained by the Colorado Division of Water Resources)."

### **(2) Case No. 21CW3027 (Water Division 2) - Application of Deer Mountain Ranch Conservation Association**

During the May 2021 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB’s instream flow water rights decreed in Case Nos.

00CW0101, 00CW0102, 00CW0103, 00CW0104, 00CW0105, and 00CW0106 on Fourmile Creek. This case was resolved with CWCB by a letter agreement, dated June 21, 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 letter agreement states the following:

“Deer Mountain Ranch Conservation Association, “Applicant,” has authorized this firm to pre-settle Case No. 21CW3027, District Court, Water Division No. 2 with the Colorado Water Conservation Board (“CWCB”). 21CW3027 seeks to amend the plan for augmentation originally decreed in Case No. W-4285 and includes new appropriative rights of exchange. In return for CWCB’s agreement to forego filing a statement of opposition in Case No. 21CW3027, Applicant agrees to include the following language in all proposed decrees in this case, including any proposed decree submitted for entry by the Water Referee and/or Water Judge:

1. The Colorado Water Conservation Board owns the following instream flow water right in Fourmile Creek.

Case Nos. Division No. 2	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)
00CW101	Fourmile Creek	Confluence of Barnard Creek	Confluence of High Creek	1/26/2000
00CW102	Fourmile Creek	Confluence of High Creek	Confluence of Cripple Creek	1/26/2000
00CW103	Fourmile Creek	Confluence of Cripple Creek	Confluence of Trail Gulch	1/26/2000
00CW104	Fourmile Creek	Confluence of Trail Gulch	Confluence of Fletch Creek	1/26/2000
00CW105	Fourmile Creek	Confluence of Fletch Creek	Canon Heights Diversion Structure	1/26/2000
00CW106	Fourmile Creek	Canon Heights Diversion Structure	Confluence of Wilson Creek	1/26/2000

All stream depletions resulting from the Subject Wells accrue to an unnamed tributary of Hay Creek, above the confluence of Hay Creek and Fourmile Creek. Several of Applicant’s augmentation sources are located above the confluence of Fourmile Creek and Barnard Creek. Remaining augmentation sources are located below the instream flow water right decreed in Case No. 00CW101 and operate by exchange. At times when the instream flow water right decreed in Case No. 00CW101 is being administered and not satisfied, Applicant shall make replacements under this plan for augmentation above the confluence of Fourmile Creek and Barnard Creek and shall not operate exchanges that would provide the substitute supplies at a downstream terminus within or below the CWCB’s instream flow reach. At all other times, Applicant shall make replacements under this plan for augmentation upstream of any instream flow water rights that are being administered and not satisfied. A map showing the locations of the relevant points of depletion and points of introduction of augmentation supplies structures is attached hereto as EXHIBIT \_\_\_\_.

2. Additional Sources. Additional and alternative sources may be used for augmentation in this plan for augmentation if such sources are decreed or lawfully available for such use or are part of a substitute water supply plan approved by the State Engineer pursuant to C.R.S. §37-92-308, or an interruptible supply agreement approved under C.R.S. §37-92-309, or other applicable and/or successor statutes. This section sets forth the procedures under which these sources may be used in this plan for augmentation. These procedures are adequate to prevent injury to other water rights that might otherwise result from the addition of these sources to this plan for augmentation.

2.1. Additional Water Rights Separately Decreed or Lawfully Available for Augmentation or Replacement Use. If a water right is decreed or lawfully available for augmentation and not already approved for such use under this decree, Applicant shall give advance written notice to the Court, the Division Engineer, all Objectors herein and the Colorado Water Conservation Board ("CWCB"), which shall describe: (1) the water right by name and decree, if any; (2) the annual and monthly amount of water available to Applicant from the water right; (3) the location or locations at which the water will be delivered to the stream; (4) evidence that the claimed amount of water will not be used by another person; and (5) the manner in which Applicant will account for use of the augmentation credits. No water right may be used unless the Division Engineer approves of its use. Any exchange associated with such additional sources shall be pursuant to an administrative exchange approved by the Division Engineer or a decree approved by the Water Court. The Division Engineer, the Objectors and the CWCB shall have 63 days from the date of notice to file an objection with the water court concerning the proposed additional water supplies. If the Division Engineer, any Opposer or the CWCB files such an objection, Applicant shall not use the proposed additional water supplies for augmentation or replacement purposes hereunder until the water court resolves the objection.

2.2. Additional Water Rights - Temporary Administrative Approval. If a water right is not decreed or otherwise lawfully available for augmentation use, and Colorado statutes or other governing authority provide a mechanism for using such water right without the need of a decree or well permit, Applicant shall provide written notice to the Objectors herein and CWCB of their request for approval of the State Engineer pursuant to C.R.S. §37-92-308, or C.R.S. §37-92-309, or other applicable statute. Any exchange associated with such additional sources shall be pursuant to an administrative exchange approved by the Division Engineer or a decree approved by the Water Court. Such notice shall be in addition to any notice required by the applicable statute. Any objections shall be filed by the Objectors and/or the CWCB within the time periods required by the applicable statutes. Applicant may use such water rights in this plan for augmentation upon the State Engineer's approval of the underlying administrative application for the term of such approval, unless such approval is reversed or modified on appeal or under retained jurisdiction.

2.3. Notice to the CWCB. Any written notice to the CWCB pursuant to ¶ 2.1 or 2.2 shall be to [dnr\\_cwcbisf@state.co.us](mailto:dnr_cwcbisf@state.co.us) or to such other address or addresses as specified by CWCB in writing to Applicant.

**Director's Report Attachment - September 15-16, 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
21CW3074	1	6860 High Drive, LLC, 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)	0.02020 0.07830	0.32297 0.94869	20
21CW3082	1	Antenucci Ranch Holdings, LLC, NKR Properties, LLC, Mountain Mutual Reservoir Company, and North Fork Associates, LLC	Bear Creek 94CW0258	10 (4/15 - 10/15) 5 (10/16 - 4/14)	0.03270 0.05910	0.23945 0.39925	19
21CW3082	1	Antenucci Ranch Holdings, LLC, NKR Properties, LLC, Mountain Mutual Reservoir Company, and North Fork Associates, LLC	Bear Creek 94CW0259	5 (10/16 - 4/14) 9.9 (4/15 - 10/15)	0.03300 0.05910	0.32223 0.54943	31
21CW3082	1	Antenucci Ranch Holdings, LLC, NKR Properties, LLC, Mountain Mutual Reservoir Company, and North Fork Associates, LLC	Bear Creek 94CW0260	14.9 (4/1 - 10/15) 7 (10/16 - 3/31)	0.02190 0.04220	0.27748 0.50821	47



**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:** September 15-16, 2021 Board Meeting

**Directors Report:** Water Project Loans  
Interest Rates

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### 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:

- 1.10% - Agricultural
- 1.55% - Low-income Municipal
- 1.80% - Middle-income Municipal
- 2.00% - 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.





**COLORADO**

**Colorado Water  
Conservation Board**

Department of Natural Resources

1313 Sherman Street, Room 718  
Denver, CO 80203

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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:** September 15-16, 2021 Board Meeting

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

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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
<b>South Platte</b>		
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
Inverness Water and Sanitation District	Walker Reservoir Improvements	\$3,250,000
Castle Pines Metropolitan District	Chatfield Water Purchase	\$500,000
Glacier Lake Property Owners	Glacier Lake Outlet Rehabilitation	TBD
City of Central	Raw Water Pipeline	TBD
<b>Subtotal</b>		<b>\$2,773,976,000</b>



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
<b>Arkansas</b>		
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
Twin Lakes Reservoir and Canal Company	Dam and Tunnel Rehabilitation	\$5,500,000
Colorado City	Beckwith Dam Rehabilitation	TBD
Oxford Ditch Company	Flume Rehabilitation	\$1,800,000
<b>Subtotal</b>		<b>\$29,600,000</b>
<b>San Miguel/Juan</b>		
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
Sellers McClane Reservoir and Ditch Co.	Reservoir Rehabilitation	TBD
<b>Subtotal</b>		<b>\$21,600,000</b>
<b>Colorado</b>		
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
Flannery Water Company, LLC	Reservoir Rehabilitation	TBD
<b>Subtotal</b>		<b>\$5,920,000</b>



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
<b>Gunnison</b>		
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
Ouray, City of	Water Supply Pipeline	TBD
Grand Mesa Water Users Association	Reservoir Rehabilitation	\$600,000
Crested Butte, Town of	Dam Outlet Rehabilitation	TBD
Olathe, Town of	Water Meter Replacement	TBD
<b>Subtotal</b>		<b>\$2,700,000</b>
<b>North Platte</b>		
Colorado Parks and Wildlife (*)	North Michigan Creek Reservoir	\$6,000,000
Spicer Ranches, LTD	Reservoir Rehabilitation	TBD
Walden, Town	New Well	TBD
<b>Subtotal</b>		<b>\$6,000,000</b>
<b>Rio Grande</b>		
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
Center, Town of	Water Meter Project	\$200,000
San Luis Valley WCD (+)	Shaw Reservoir Purchase	TBD
Colorado Parks and Wildlife	Alberta Park Dam Rehabilitation	\$4,000,000
La Jara, Town of	System Rehabilitation	TBD
<b>Subtotal</b>		<b>\$22,200,000</b>
<b>Yampa</b>		
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
Marc Etchart	Procter Reservoir Rehabilitation	TBD
<b>Subtotal</b>		<b>\$105,600,000</b>





# COLORADO

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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:** September 15-16, 2021 Board Meeting

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

The CWCB Loan Program has Substantially Completed (9) projects in Calendar Year 2021 as shown in Table 1. There are currently (47) projects authorized to receive loan funding totaling \$392M. There are (45) projects currently under contract and in the Design/Construction phase totaling \$301M. 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](http://cwcbs.colorado.gov/loans-grants/water-project-loan-program)

TABLE 1

	Borrower	Project	County	Loan Amount	Complete
1	Central Colorado Water Conservancy District	Chatfield Reallocation Project - First Cost of Storage Contract	Arapahoe / Douglas / Park /	\$3,187,560	2/1/21
2	Left Hand Water District	Participation in Southern Water Supply Project II	Broomfield / Weld	\$10,000,000	2/1/21
3	South Fork, The	Augmentation Water Purchase	Rio Grande	\$440,400	3/1/21
4	St. Vrain & Left Hand WCD	Emergency Rock'n WP Ranch Lake No. 4 Repair	Boulder	\$3,238,613	3/1/21 (a)
5	St. Vrain & Left Hand WCD	Lake No. 4 Outlet Pipeline Repair	Boulder	236,154	3/1/21
6	Redlands Water and Power Co.	Pumpline Replacement Project	Mesa	568,944	5/1/21
7	Lateral Ditch ML47, Inc.	Lateral Ditch Pipeline Project	Mesa	692,548	6/1/21
*8	North Sterling Irrigation District	Outlet Canal Automation Phase II Project	Logan	\$395,920	7/1/21
*9	Redlands Water and Power Co.	Roller Gate Replacement	Mesa	\$404,000	8/1/21
	* included in Director's Report		Total	\$19,163,739	

Calendar Year 2021 has added and preserved 600 acre-feet of reservoir storage; (a) 600





## Outlet Canal Automation Phase II Project

North Sterling Irrigation District  
Substantially Complete July 1, 2021



A sensor on a lateral ditch Parshall Flume that can report the flow rate into the ditch (left) and an automated headgate that will receive data from the sensor and adjust the gate to a predetermined flow rate (right)

### Project Description

The North Sterling Irrigation District was created in 1907 by the Board of County Commissioners and currently serves 122 landowners with more than 40,000 acres east of the North Sterling Reservoir. Following on the successful Phase I which installed 25 automated on-farm headgates, this project automated 42 additional headgates. Automation included solar power, a controller, an actuator to operate the headgate, a radar sensor at each Parshall flume, and telemetry for data access and remote control. This new equipment saves time, labor, and water, and may reduce the size of the regulating reservoir in the future. Installation began in the early spring and was nearly all complete by the time water was turned into the Outlet Canal in April.

P R O J E C T   D A T A		
<i>Sponsor:</i> North Sterling Irrigation District	<i>County:</i> Logan	<i>Water Source:</i> South Platte River
<i>Type of Project:</i> Ditch Systems Improvement		<i>Board Approval Date:</i> January 2021
<i>Loan Terms: (Original) \$395,920 @ 0.90% (Final) \$395,920 @ 0.90%</i>		
<i>Design Engineer:</i> Hydrologic Consultants, Inc		
<i>Contractor:</i> Hydrologic Consultants, Inc		



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## Roller Gate Replacement Project

Redlands Water and Power Company  
Substantially Complete August 1, 2021



Right: Installation of one of the new gates into the  
Gunnison River Diversion Structure  
Left: Grading of the Power Canal

### 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. The Company diverts approximately 800 cfs of water from the Gunnison River to its pumping plant and hydroelectric facility via the Redlands Power Canal. Four existing roller gates controlled the flow at the diversion structure. These gates were approximately 80-years-old and were significantly corroded. The project include the design, fabrication, and installation of new roller gates, with the loan covering approximately 78% of the project costs.

P R O J E C T   D A T A		
<i>Sponsor:</i> Redlands Water and Power Company	<i>County:</i> Mesa	<i>Water Source:</i> Gunnison River
<i>Type of Project:</i> Diversion Structure Rehab		<i>Board Approval Date:</i> September 2020
<i>Loan Terms: (Original) \$404,000 @ 1.50% (Final) \$404,000 @ 1.50%</i>		
<i>Design Engineer:</i> SGM		
<i>Contractor:</i> Mountain Valley Contracting		

	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. Aug2021.
2	Arapahoe County Water and Wastewater Authority >Chambers Reservoir Liner Rehabilitation CT2021-513	Arapahoe	\$4,000,000	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. All work except for final punch list items are complete. Loan closeout is expected this winter.
	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	25%	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 WSRF CTGG1 2019-2449 WPG 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 CT2021-2851	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 2020. Sufficient embankment fill material has been located and construction is progressing with completion expected by November.
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	Grand Valley Water Users Association >Vinlands Power Plant CT2022-2084 WPG CTGG1 2022-2072	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.
17	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.
18	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.

	Borrower/Projects	County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
19	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.
20	Huerfano County Water Conservancy District >Regional Augmentation Project C150364 (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
21	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 disbursement has been made for long lead-time materials. Construction has been slowed due to the State's shelter-in-place orders, but is still moving ahead.
22	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.
23	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.
24	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
25	North Sterling Irrigation District >North Sterling River Diversion Replacement CT2021-3875	Morgan	\$3,498,000	100%	Fall 2021 - Spring 2022	10%	CB	Demolition of the existing structure began in July 2021. Long-lead-time items have been ordered. Work is progressing on schedule and on budget. Completion is expected before the 2022 irrigation season begins.
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	Orchard Mesa Irrigation District >Vinlands Power Plant CT2022-2057	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.
28	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
29	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.
30	Redmesa Reservoir and Ditch Company >Redmesa Reservoir Rehabilitation Engineering CT2022-0498	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.
31	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.
32	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.
33	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 begun 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.
34	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.
35	South Platte Ditch Company >Diversion Structure Rehabilitation CT2022-0424	Washington	\$1,065,000	100%	Aug 2021 - Apr 2022		CB	
36	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.
37	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.
38	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.
39	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.
40	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.
	WALKER RECHARGE PROJECT \$15,000,000							

	Borrower/Projects	County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
41	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	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 begin in November and the first dipursals were made in December.
	b. Groundwater Management Subdistrict of CCWCD >Walker Recharge CT2020-0324	Weld	\$9,750,000	100%	Sep 2019 - Sep 2022	70%	CB	
	c. Well Augmentation Subdistrict of CCWCD >Walker Recharge CT2020-0326	Weld	\$3,000,000	100%	Sep 2019 - Sep 2022	70%	CB	
42	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.
43	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.
44	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-TLowell, 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	
45	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 : \$301,499,571

Approved Projects - Not Under Contract								
a	Taylor & Gill Ditch Company >Ditch Piping CT2022-XXXX CTGG1 2022-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	

Not Under Contract SubTotal = \$90,125,000

Grand Total = \$391,624,571

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

**LOAN REPAYMENT DELINQUENCY**

Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2021 through August 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 2022 totaled 57. Two Rivers Water & Farming is current on their loan balance as of 07/01/2021 which will be covered in further detail in Agenda Item 7.

**LOAN FINANCIAL ACTIVITY**

Loan Financial Activity relative to the Water Project Construction Loan Program for Fiscal Year 2022 is summarized as follows: Funds received relative to loans in repayment totaled \$7.9M for this year. Funds disbursed relative to new project loans totaled \$2.9M for this year. Net activity resulted in \$5M 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 \$1.6M in receivables and \$0.6M in disbursements for a total net activity of \$1M received over disbursed. The STPBF consists of \$6.4M in receivables and \$2.4M in disbursements for a total net activity of \$4M disbursed over received.

**CONSTRUCTION FUND**

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July	\$ 607,340	\$ 273,708	\$ 881,048	\$ 572,695	\$ 308,354
August	\$ 481,461	\$ 224,277	\$ 705,738	\$ 20,973	\$ 684,765
<b>FY 2022 Totals</b>	<b>\$ 1,088,801</b>	<b>\$ 497,985</b>	<b>\$ 1,586,786</b>	<b>\$ 593,668</b>	<b>\$ 993,118</b>

**SEVERANCE TAX TRUST FUND PERPETUAL BASE ACCOUNT**

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July	\$ 757,337	\$ 51,664	\$ 809,000	\$ 955,767	\$ (146,767)
August	\$ 4,510,008	\$ 1,083,636	\$ 5,593,644	\$ 1,407,159	\$ 4,186,485
<b>FY 2022 Totals</b>	<b>\$ 5,267,345</b>	<b>\$ 1,135,300</b>	<b>\$ 6,402,645</b>	<b>\$ 2,362,926</b>	<b>\$ 4,039,719</b>

<b>GRAND TOTALS</b>	<b>\$ 6,356,146</b>	<b>\$ 1,633,285</b>	<b>\$ 7,989,431</b>	<b>\$ 2,956,594</b>	<b>\$ 5,032,837</b>
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Colorado Water Conservation Board Construction Fund Non-Reimbursables 07.01.20-06.30.21

Construction Fund Non-Reimbursable Investments Status Report Fiscal Year 2020-2021							
<u>Project Name</u>	<u>7/1/20 Beginning</u>	<u>Contracted</u>	<u>Disbursed</u>	<u>Available 06/30/21</u>	<u>Statute   Projects Bill Authorization</u>	<u>Project Manager Status Update</u>	<u>Project Manager</u>
Acquisitions-Wtr for Instream Flow	\$1,000,000	\$742,149	\$123,166	\$134,685	37-60-123.7 set annual authorization at \$1M	Funding of \$134,685 funding was provided to the Colorado Water Trust as part of its master contract to provide services to support the acquisition of water rights for use in the ISF program. Funding in the amount of \$228,375 was contracted to the Colorado River Water Conservation District to lease water for winter releases from Ruedi Reservoir to the Fryingpan River. The objective of the lease was to maintain Fryingpan River flows at a rate of 70 cfs to prevent the formation of anchor ice at times when temperatures and low flows could otherwise combine to create anchor ice during the time period of January 1 - March 31. On April 1, the remaining leased water was delivered to the 15-Mile Reach as needed to help meet or reduce shortfalls to the U.S. Fish and Wildlife Service's flow recommendations for the endangered fish critical habitat in that reach. Funding was contracted to the Ute Water Conservancy District in the amount of \$240,000 to supplement existing ISF water rights to preserve and improve the natural environment of the 15-Mile Reach of the Colorado River, benefitting endangered fish habitat in that reach.	Rob Viehl
ISF Engineering Support Services	\$287,086	\$3,458	\$0	\$283,629	SB05-084 HB10-1250 SB19-221 section 5 added \$250K	Funding was provided to collect survey information and develop hydraulic models for four sites in Delta and Montrose Counties. The sites included Monitor, Potter and Cottonwood Creeks. This information was used to determine bank full flows and high flow estimates.	Rob Viehl
Satellite Monitoring	\$525,902	\$3,928	\$213,653	\$308,321	HB93-1273 HB17-1248 HB20-1403 added \$380,000 on 7/1/20 SB21-189 added \$100,000 on 7/1/21	Due to the uncertainty of future funding and challenges associated with positions held vacant due to COVID-19, DWR did not undertake any significant gage improvement projects in FY20-21. In FY21-22 DWR will use this fund to procure and install satellite-linked monitoring equipment. This includes work to continue the V2 satellite telemetry grades for gages that need to be in compliance by 2026. Once these upgrades are completed, equipment will need to be replaced on a 15-20 year cycle. In addition, a number of streamgage sites will be refurbished. Just over \$50,000 will be spent for the ongoing Arkansas lysimeter research project.	Brandy Logan

Colorado Water Conservation Board Construction Fund Non-Reimbursables 07.01.20-06.30.21

Construction Fund Non-Reimbursable Investments Status Report Fiscal Year 2020-2021							
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Stream Gage Fund	\$293,052	\$44,720	\$26,833	\$249,712	37-60-124.4 refresh \$250,000 annually	Provided funding for purchasing equipment and supplies for temporary stream gages used to monitor new instream flow recommendations. Funded travel expenses for visiting ISF stream gages and field sites. Funds were also used to purchase supplies for the installation of a permanent telemetry stream gage on Abrams Creek. Provided funding for the operation and maintenance of the Washington Gulch Bypass Structure to monitor the Breem Ditch ISF acquisition. Provided funding for the annual operation and maintenance of stream gages for the USGS Dolores River at Slick Rock, the USGS San Miguel River at Uravan, and the USGS Beaver Creek at Avon.	Laura Fields-Sommers
Colorado Mesonet	\$252,797	\$92,875	\$139,509	\$20,413	SB15-253 HB17-1248 HB18-218 SB19-221 HB20-1403 adds \$150,000 on 7/1/20	Funding was used to continue the advancement of the network and strengthen it as a State Mesonet with high quality real-time data used to assist in climate monitoring, weather forecasts, emergency management and as always agriculture and water resources. A full-time Quality Control Specialist and technician was hired to assist with station service and station upgrades. The CO Climate Center (CCC) received a travel exemption for CoAgMET, but only made single day trips. CCC staff were able to replace soon to be obsolete cell modems due to Verizon shutting down 2G and 3G service and take soil samples at various stations. Since they were unable to travel together and work at the same station, new stations and 10-meter towers were not installed. Despite travel difficulties, CCC made several improvements to data and created new features. These new features included maps, data displays, products and a new API for easier downloading of data. New products included soil moisture information, reference ET information and water balance tools. These products can be useful for drought and conditions monitoring as well as climate monitoring in Colorado.	Ben Wade
Co Floodplain Map Modernization	\$1,038,604	\$724,218	\$312,527	\$1,860	SB03-110 HB17-1248 SB18-218 SB19-221 HB20-1403 added \$500,000 on 7/1/20 SB21-189 added \$500,000 on 7/1/21	Provided funding to supplement FEMA regulatory floodplain mapping and non-regulatory products updates, and perform all related activities to promote flood risk awareness and mitigation efforts to help community officials make better land use decisions and protect people and property from future flood events. Provided funding for a two-phased update to the Colorado Floodplain and Stormwater Criteria Manual. Modifications will address significant advancements in data collection, engineering analysis, mapping processes, and data management systems relative to flood risk, stormwater management, watershed management, flood hazard migration, stream restoration and resource preservation.	Terri Fead

Colorado Water Conservation Board Construction Fund Non-Reimbursables 07.01.20-06.30.21

Construction Fund Non-Reimbursable Investments Status Report Fiscal Year 2020-2021							
<u>Project Name</u>	<u>7/1/20 Beginning</u>	<u>Contracted</u>	<u>Disbursed</u>	<u>Available 06/30/21</u>	<u>Statute   Projects Bill Authorization</u>	<u>Project Manager Status Update</u>	<u>Project Manager</u>
Fish and Wildlife Resources Fund	\$782,478	\$0	\$0	\$782,478	SB19-207	From FY19: Urban Drainage and Flood Control District has expended \$397,260 of a \$439,500 grant to create wetland and riparian benches to improve fish habitat on the South Platte River below Chatfield Reservoir. FY20: Project is complete and fully invoiced	Chris Sturm
Flood and Drought Response Fund	\$648,799	\$163,510	\$88,105	\$397,184	37-60-123.2 refresh \$500,000 annually	Provided funding for the Flood Threat Bulletin during the flood season.	Kevin Houck
Tamarisk Control Cost-Sharing Prg	\$19,094	\$5,000	\$0	\$14,094	HB08-1346 SB12S-002 HB15-1006	From FY19: RiversEdge West Annual Conference Sponsorship. FY20: RiversEdge West Annual Conference Sponsorship	Chris Sturm
Water Forecasting Partnership	\$635,010	\$201,473	\$368,027	\$65,510	HB20-1403 adds \$350,000 on 7/1/20	CWCB funded two ASO flights in the Conejos, Animas, and Dolores Basins. CWCB also partnered with Conejos Water Conservancy District and the Dolores Water Conservancy District to use the ASO data in conjunction with NCAR's WRF-Hydro Modeling.	Andrew Rickert, Erik Skeie
Watershed Restoration	\$4,886,176	\$3,219,929	\$1,347,925	\$318,322	HB06-1313 HB17-1248 SB18-218 HB20-1403 adds \$4M on 7/1/20	From FY19: Provided funding for grants approved through the Colorado Watershed Restoration Program. These include Stream Management Planning grants in the Colorado, South Platte, Southwest, Metro, Rio Grande, and Gunnison Basins. Funds were also provided for post-fire recovery activities in Fremont, Huerfano, and La Plata Counties. Other projects include stream restoration and riparian re-vegetation statewide, Forest Health education and outreach efforts were funded in the South Platte (Fourmile Watershed) and Southwest (Dolores) Basins. The Program also approved funding for fish passage studies through reconstructed diversion structures, diversion reconstruction, and monitoring & adaptive management of existing restoration projects. FY20: Stream Management Plans in the Arkansas, South Platte, Southwest, and Colorado Basins. Funds were provided for post fire restoration in Huerfano County. Other funds were provided for watershed planning, stream restoration, invasive removal, and monitoring.	Chris Sturm
Weather Modification Program	\$1,230,629	\$505,647	\$699,799	\$25,183	HB04-1221 HB17-1248 SB18-218 HB20-1403 added \$350,000 on 7/1/20 SB21-189 added \$350,000 on 7/1/21	Funding was matched with \$418K from the Colorado River Lower Basin water users, and \$20K from the New Mexico Interstate Stream Commission for the following projects. Local entities and water districts provided around \$480,000 in additional funding for weather modification programs. This funding helped to provide grants to purchase new equipment, extend operations, and support program upgrades for the 5 ground-based programs throughout Colorado.	Andrew Rickert
Acquisition of Lidar Data hb18	\$413,204	\$33,333	\$179,871	\$200,000	SB18-218 HB20-1403 adds \$200,000 on 7/1/20	Funds were applied to acquire LIDAR data for Colorado counties. The resulting datasets support floodplain mapping and relative activities, in addition to other uses for Colorado.	Terri Fead
Acquisition of Lidar Data 37-60-121	\$271,348	\$56,343	\$96,950	\$118,055	37-60-121 HB20-1403 adds \$200,000 on 7/1/20	Funding contributed to previously acquired Colorado LIDAR datasets.	Terri Fead

Colorado Water Conservation Board Construction Fund Non-Reimbursables 07.01.20-06.30.21

Construction Fund Non-Reimbursable Investments Status Report Fiscal Year 2020-2021							
<u>Project Name</u>	<u>7/1/20 Beginning</u>	<u>Contracted</u>	<u>Disbursed</u>	<u>Available 06/30/21</u>	<u>Statute   Projects Bill Authorization</u>	<u>Project Manager Status Update</u>	<u>Project Manager</u>
Statewide Water Supply Initiative	\$361,821	\$194,794	\$151,089	\$15,939	SB13-181 SB16-174	From FY19: Completed July 2019. Renamed Analysis and Technical Update to the Colorado Water Plan. Remaining funds could potentially be used for BIP/CWP update process. FY20: No updated provided	Russ Sands
Water Loss Control Initiative	\$1,108,692	\$999,960	\$108,497	\$234	HB17-1248 HB20-1403 adds \$1M on 7/1/20	Project (Phase I of the Colorado Water Loss Initiative under HB 17-1248) was completed in October 2020. Phase II of the Colorado Water Loss Initiative was contracted in April 2021 and began in June 2021. I have disbursed \$60,206.25 from the HB20-1403 funds.	Kevin Reidy
Water Planning Studies	\$100,000	\$0	\$0	\$100,000	SB99-173 SB09-125	Data visualization project for tech update currently underway. Currently contracting with RS21 (August 2019).	Russ Sands
Feasibility Study Grant Fund	\$810,557	\$218,499	\$166,449	\$425,609	37-60-122.7 refresh \$500,000 annually	On going program to help applicants with Water Project Loan Program Loan Feasibility Study preparation. In FY21, three grants were awarded.	Anna Mauss/Matt Stearns
Alt Ag Water Transfer Sustain Prg	\$1,857,354	\$1,104,318	\$448,621	\$304,415	SB07-122 HB17-1248 HB20-1403 adds \$750K on 7/1/20	CWCB funded five ATM grants in FY20- grants included the expansion of ATMs in the San Luis Valley, a pilot project to explore the use of ATMs on the Western Slope, and creation of an ATM education workshop initiative	Greg Johnson
Bear Creek Reservoir Reallocation	\$1,978,036	\$1,066,914	\$8,364	\$902,757	SB16-174	CWCB dispursed funds to the Army Corps of Engineers to conduct a Preliminary Risk Assessment and develop an updated scope of work for hydrology. CWCB also continued their cost share with the City of Brighton on the operation and maintenance of a stream gage in Turkey Creek just above the reservoir.	Erik Skeie
Co Decision Support Systems O & M	\$674,080	\$134,300	\$39,780	\$500,000	SB13-181 HB14-1333 HB20-1403 adds \$500,000 on 7/1/20	Phase II of the OpenCDSS project was contracted and started in the fiscal year ending on 6/30/20. This phase concluded in August 2021 and included work on automated testing, further refinement of the open source software projects and repositories, and general CDSS software maintenance, support, and enhancements. A list of future needs is now being compiled and an RFP will be created soliciting a contractor for those needs.	Brian Macpherson
Co Water Needs & Alternatives	\$760,054	\$0	\$0	\$760,054	SB07-122 SB12S-002	These funds will be used for future phases of the Colorado River Water Availability Study (CRWAS). No modeling or studies were completed in 2021.	Brian Macpherson

Colorado Water Conservation Board Construction Fund Non-Reimbursables 07.01.20-06.30.21

Construction Fund Non-Reimbursable Investments Status Report Fiscal Year 2020-2021							
<u>Project Name</u>	<u>7/1/20 Beginning</u>	<u>Contracted</u>	<u>Disbursed</u>	<u>Available 06/30/21</u>	<u>Statute   Projects Bill Authorization</u>	<u>Project Manager Status Update</u>	<u>Project Manager</u>
Litigation Fund	\$1,516,090	\$0	\$912,932	\$603,158	HB95-1155 HB17-1248 HB20-1403 - reauthorized up to \$2M	Colorado River Basin: Fund 2.5 FTE Attorneys and 1 Paralegal and contracting work associated with implementation of the Glen Canyon Dam LTEMP compact administration considerations; fund needed software including management of the Colorado River Database. Republican River Basin: Case work and work of expert consultants to implement accounting consistent with settlements and court decisions; travel and operating costs to finalize settlements with Kansas and Nebraska; defend State Engineer's Office Compact Rulemaking efforts. Rio Grande Basin: Travel and operating costs to conduct discovery, prepare briefs and attend arguments before the Special Master and potentially the U.S. Supreme Court.	Amy Ostdiek
L. So Platte Water Mgmt & Storage	\$500,000	\$0	\$0	\$500,000	HB00-1419 SB01-157	These funds will be used for a future study of Lower South Platte storage alternatives. No modeling or studies were completed in 2021.	Brian Macpherson
SP Groundwater Level Data Collect	\$652,371	\$0	\$0	\$652,371	SB12S-002 HB14-1333 HB17-1248 SB18-218	Funds were dispursed to the Town of Gilcrest to repair their dewatering well, and to Civil Resources Engineering to design a dewatering system for Gilcrest.	Erik Skeie
UDSA Regional Con Partnership	\$87,172	\$45,329	\$24,736	\$17,107	SB15-253	Funding to date has been awarded to support ongoing implementation of the Lower Gunnison RCPP project focusing on salinity and selenium reductions through irrigation efficiency projects	Greg Johnson
Water Resource Info Center	\$347,047	\$17,082	\$110,733	\$219,233	SB09-125	New Grant Portal is under development and should be complete by the end of 2021.	Carolyn Kemp
Wild and Scenic Rivers Fund	\$516,304	\$191,897	\$90,612	\$233,795	37-60-122.3 refresh \$400,000 annually	Funds were used by the Upper Colorado River Wild and Scenic Stakeholder Group to protect the outstandingly remarkable values (ORVs) identified in the U.S. Bureau of Land Management (BLM) and U.S. Forest Service (USFS) Wild and Scenic Eligibility Reports for the Upper Colorado River. The Stakeholder Group includes water users from both the West Slope and East Slope, environmental interests, anglers, recreational interests, and local and state government representatives.  The Amended and Restated Upper Colorado River Wild and Scenic Stakeholder Group Management Plan (Plan) was completed in June 2020 and includes final ORV indicators and Resources Guides related to recreational fishing and floatboating. The effective date of the Plan commenced June 12, 2015, upon issuance of records of decision by BLM and USFS.	JoJo La

Colorado Water Conservation Board Construction Fund Non-Reimbursables 07.01.20-06.30.21

Construction Fund Non-Reimbursable Investments Status Report Fiscal Year 2020-2021							
<u>Project Name</u>	<u>7/1/20 Beginning</u>	<u>Contracted</u>	<u>Disbursed</u>	<u>Available 06/30/21</u>	<u>Statute   Projects Bill Authorization</u>	<u>Project Manager Status Update</u>	<u>Project Manager</u>
Arkansas River Decision Support	\$1,360,923	\$731,407	\$310,369	\$319,148	SB07-122 HB11-1274 SB13-181 HB14-1333 SB15-253 SB18-218 HB20-1403	Phase I of ArkDSS was broken into 3 sections: GIS, Admin Tools, and Modeling. The GIS and Admin Tools components are complete. The modeling component has gone through a contract extension which gives the project 2 more years and additional budget and scoped tasks. Phase II of ArkDSS is underway which includes the Arkansas River Colors of Water and Forecasting Tool project. This project is leveraging USBR WaterSMART grant funding. An RFP will be issued in the coming year for Groundwater tasks.	Brian Macpherson
Chatfield Res Reallocation Project	\$2,410,792	\$0	\$0	\$2,410,792	HB08-1346 SB18-218	Chatfield Reallocation is an important storage project in the south metro Denver area involving strong cooperation between the State and six other municipal & agricultural water providers. Construction is near complete and water is now being stored in the Res. This funding provides for state-federal contracting and project implementation costs. The remaining funds are available for the operational costs for the mitigation company to support CWCB and CPW involvement.	Kirk Russell
Chatfield Res Reallocation Imp.	\$10,664,894	\$2,247,176	\$246,680	\$8,171,038	SB12S-002	Related to the item above, this funding focused on CWCB's role of owning storage shares in the Chatfield project. CWCB will retain ownership of the environmental pool and sell shares to potential water providers.	Kirk Russell
Chatfield Res Reallocation Study	\$217,015	\$0	\$0	\$217,015	SB97-008 SB07-122	Funding from a series of authorizations allowed CWCB to act as the non-federal sponsor with the U.S. Army Corps of Engineers to develop a feasibility study and EIS for the Chatfield project. The contract was first signed in 1999 and was based on a 50/50 cost-share arrangement.	Kirk Russell
Rocky Mt. Fen Demonstration	\$49,826	\$49,826	\$0	\$0	SB07-122	Funding was awarded to the Colorado Mountain College-Timberline Campus for a demonstration project designed to explore the extent to which the harvest and translocation of slow-forming organic peat soils, from the specifically-prepared receiver sites, can serve as mitigation of impacts to fens. In 2016, the fen was relocated and current funding is supporting 5 years of monitoring. 2020 marks the third year of CWCB-supported monitoring. Funds are used to monitor the fen wetland to help determine project success.	JoJo La (updated 9/8/2021)
Windy Gap Res Bypass Channel	\$2,200,000	\$0	\$0	\$2,200,000	SB13-181 SB16-174	Funding was provided for the planning, design and construction of the Windy Gap Reservoir Bypass Project by CWCB and the Northern Colorado Water Conservancy District in an amount of \$2 million each toward the project. However, the estimated cost of the project exceeds \$15 million and the project is on hold while additional funding options are explored. Senate Bill 16-174 provided funding in the amount of \$200,000 toward a feasibility study. Additional funding has been provided by the CWCB via the Colorado Water Plan Grant Program.	Cole Bedford

Colorado Water Conservation Board Construction Fund Non-Reimbursables 07.01.20-06.30.21

Construction Fund Non-Reimbursable Investments Status Report Fiscal Year 2020-2021							
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Republican River Matters	\$1,848,784	1,848,784.00	\$0	\$0	HB18-218	\$4M was paid to the state of Nebraska and \$2M to the state of Kansas to resolve disputes over Colorado's past use of water under the Republican River Compact. Remaining funds will be used to retire irrigation wells in the basin.	Kirk Russell
Emergency Dam Repair	\$500,000	0	\$0	\$500,000	37-60-122.5	This money remains available to address emergency actions necessary due to dam safety concerns. The breaching of Cucharas #5 Dam was the most recent use of this funding. It is anticipated that the money will be returned the Consrcuton Fund when collected by the dam owner.	Kirk Russell
Rio Grande Cooperative	\$2,825,301	\$139,205	\$2,600,428	\$85,668	SB125-002 HB17-1248	Seven contracts worth \$15M have been executed towards this effort that includes project design, project management, federal land exchange, and construction. To-date, the San Luis Valley Irrigation District (District) has completed the: clay liner project, final design of the outlet works, the federal land exchange, access road construction. The District is under contract with Moltz Civil, LLC for the construction of the rehabilitated outlet structure. The Project is expected to be complete in 2020. Funding includes a \$15 million loan to the District. Project is approximately 95% complete.	Kirk Russell
Colorado River Decision Support	\$587,578	\$60,273	\$478,010	\$49,295	SB07-122 HB08-1346	See Co Decision Support Systems O & M	Brian Macpherson
Underground Storage Pilot Project	\$94,378	\$94,378	\$0	\$0	SB16-174	Upper Arkansas Water Conervancy District has completed construction of a recharge facility, and completed engineering desgins for the pipeline for aquifer storage of up to 20,000af.	Erik Skeie
Technical Assistance Fed. Irrig. Improve.	\$279,556	\$97,343	\$179,261	\$2,952	HB 17-1248 SB 18-218 SB21-189 added \$300,000 on 7/1/21	Recently, TAFC funds were utilized to successfully leverage significant funding through the Colorado River Basin Salinity Basinwide Program. Other recent projects include a grant to the Silt Water Conservancy District to help secure USDA PI-566 Watershed Plan funding for design work on SWCD water delivery infrastructure and to the Mosca-Hooper Con District to develop an application for a USDA Conservation Innovation Grant focusing on soil health	Greg Johnson
Totals	\$46,592,804	\$15,038,067	\$9,472,925	\$22,110,025			