



COLORADO

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

DIRECTOR'S REPORT

September 2022

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
Anna Porter

DATE: September 20-21, 2022

SUBJECT: **Agenda Item 4b, September 2022 CWCB Board Meeting Director's Report**

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STATEWIDE

CWCB SMALL FEASIBILITY STUDY GRANT FUND UPDATE:

New grant applications approved:

1. None

Previously approved grants in FY22/23:

1. None

Total funds approved for feasibility study grants in FY22/23: \$0

Colorado Airborne Snow Measurements (CASM) Group – The CWCB Board requested an updated from the CASM Group regarding expediting the expansion of the program. The Group is currently working with CWCB Staff to update dollar amounts, participants, and potential basins for an expedited program. The CASM Group will update the Board when a more concrete plan is developed. There is currently enough funding to conduct roughly 12 flights for the 2023 season. *(Erik Skeie, Andrew Rickert)*

COLORADO RIVER BASIN

COLORADO RIVER WATER USE—

2022 Colorado River Storage as of September 6, 2022			
	Elevation (feet above mean sea level)	Storage (MAF)	Percent of Capacity
Lake Mead	1,066.81	7.272	28%
Lake Powell	3,527.18	5.900	25%
Total System Active Storage		19.838	34%
2022 Total Active Storage		23.527	40%
		Flow (MAF)	Percent of Average
Forecasted Unregulated Inflow into Powell (Forecasted Water Year 2022)		6.079	63%

Forecasted CY 2022 Lower Basin Consumptive Use		
State	Use (MAF)	Total (MAF)
Arizona	2.078	
California		6.807
California Agricultural	3.360	

Metro. Water District	1.114	
Other	0.016	
Nevada		0.239

*Note MAF = million acre-feet

Upper Colorado River Wild and Scenic Stakeholder Group—

The Upper Colorado Wild and Scenic Stakeholder Group (SG) continues to hold regular meetings and all committees continue to work towards implementing the alternative management plan. The full SG met most recently on June 20, 2022. At this meeting the group discussed how to handle incorrect values in the SG Plan related to protecting recreational floatboating. The SG could not reach consensus and voted to have a special meeting in the fall to revisit the issue. The SG reviewed documents related to potentially incorporating as a legal entity and tasked a smaller team with working on the legal aspects of this process. The Finance Committee proposed a revision to a contract and updated the group on management options for endowment fund. The Cooperative Measures committee continues to look into potential water acquisitions that can assist the SG efforts. They also met frequently over the summer in an effort to address high water temperatures. The Monitoring Committee is working to finalize the annual monitoring report which was delayed by data issues at the Kremmling gage as well as the need to resolve the issue related to the floatboating values in the plan. The Channel Maintenance Flow Committee continues to work on refining field protocols, developing RFPs for technical work, and selecting sites.

WATER CONSERVATION AND DROUGHT PLANNING UPDATES

Office of Water Conservation & Drought Planning Director's Report Items – September 2022

CWCB WATER EFFICIENCY GRANT FUND PROGRAM (WEGF) UPDATE:

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 and update the Board on in-progress grants.

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

- **City of Englewood** – Water Efficiency Plan Update – *75% Progress Report*

(Ben Wade)

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

DROUGHT MANAGEMENT PLANS

Approved Plans

No additional Plans have been approved since the last Board meeting.

Drought Management Plans in review

- City of Durango
- Deutsche Domestic Water Company

WATER EFFICIENCY PLANS

Approved Plans

- **Town of Hudson**

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

- **Town of Frederick**

- **Tri County Water Conservancy District**

Water Efficiency Plans in review

- **Colorado Springs Utilities**

(Kevin Reidy & Sam Stein)

GOVERNOR'S WATER AVAILABILITY TASK FORCE: The next Water Availability Task Force meeting will be held on September 27 from 9:30-11:30a. Please check the website ([Water Availability & Flood Task Forces | DNR CWCB \(colorado.gov\)](#)) for additional information. The August 2022 Drought Update is available here -

<https://dnrweblink.state.co.us/CWCB/0/edoc/218644/WATFMeetingSummaryAug2022.pdf?searchid=8502c5e7-3ee1-48ec-a9f3-bfe53b0daeab> **(Ben Wade)**

CO WATER LOSS INITIATIVE: Phase II of the Colorado Water Loss Initiative officially kicked off over a year ago on September 1, 2021 with open registration. Kevin and the project team reassembled the advisory group and added the Colorado Rural Water Association as well as folks from DOLA. At present, we have 71 utilities registered for the program. Many of the new learner teams have signed up for technical one-on-one calls to go over water audit results while the advanced group has been sent recommendations on what they should be focusing on in terms of direct technical assistance. The consultant team will be working with the advanced utilities to take advantage of the identified water loss recovery opportunities. The next workshops will take place October 19-20, 2022 and November 16-17, 2022.

www.coloradowaterloss.org **(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. With the plan complete the core group (now called OWLS, One Water Leaders) will begin the implementation phase and will continue to meet regularly. <https://www.denvergov.org/Government/Agencies-Departments-Offices/Department-of-Transportation-and-Infrastructure/Programs-Services/One-Water>
- The Water and Land Use Planning Alliance is looking to reassemble sometime in the fall. The Alliance has been on hiatus since Christy Wiseman left DOLA for other opportunities. Kevin is helping DOLA interview for the Water and Land Use Planner position at present time. Once a new replacement for that position is found, Kevin will work with them to reanimate the group and reestablish regular meetings. The plan is to bring this person into the planning group for the AWRA Specialty Conference for water and land use planning taking place in Denver in July 2023.
- The next Growing Water Smart workshops with the Sonoran Institute will take place in the Estes Park September 12-14. This workshop is centered on the Northern Front Range with Northern Water assisting on many levels. **(Kevin Reidy)**

WATERSHED AND FLOOD UPDATES

Reynolds Landing Park Revitalization

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

Within the Project, located near Santa Fe Drive and Brewer's Lane in Littleton, Colorado, lies Reynolds Landing Park. The South Platte River through the existing park is degraded, lacks recreation and habitat, and can be hazardous. The CWCB is working with multiple stakeholders, including Mile High Flood District and the City of Littleton, to revitalize this park and restore the river, creating access to the water and providing diverse nature experiences and recreation, allowing Reynolds Landing Park to become more vibrant for the community and improving, expanding, and enhancing the natural environments.

The goals of the revitalized Reynolds Landing Park are to maintain flood protection, improve river health, enhance in-river recreational opportunities, connect the community to nature through access to the river's edge and the river corridor, and promote economic development by drawing residents and businesses to Littleton and the South Platte River.

Improvements at the park will include ingress and egress from the river, improved whitewater rapids, improved riparian vegetation and habitat channels, and riffle and pool sequences. Project partners will be seeking 404 and 408 permits through the USACE to facilitate these improvements, as well as in-river vegetation for habitat and shade.

CWCB staff is currently working with the Attorney General's office to determine what steps need to be taken, as the landowners, to facilitate these improvements within the river channel and the floodplain. We may determine that an easement is necessary throughout the improvement area, to be held by the Mile High Flood District, the City of Littleton, or South Suburban Parks and Recreation District.

(Andrea Harbin Monahan)

Colorado Floodplain and Stormwater Criteria Manual

CWCB staff worked with their Consultant to incorporate all Steering Committee comments into the Draft Statewide Floodplain and Stormwater Criteria Manual (Criteria Manual) Phase 1 update. Technical edits are complete and the team is preparing to upload the draft document to the CWCB website for public review and comment beginning in September. Several public webinars for engagement on the draft

Phase 1 chapters will take place early in the six-week public review period. Phase 1 provides guidance that better aligns with recent federal and industry standards and revised information to help communities manage floodplain and stormwater projects.

A subsequent, Phase 2, update will include revisions to the remaining sections of the Criteria Manual. Updates are to align with Colorado's watershed protection and management program as well as improved industry standards. The team is currently scheduling the Phase 2 Steering Committee kick-off meeting to take place in September.

The Letter of Map Revision (LOMR) Review Partners Program

The CWCB LOMR Review Partners Program has been growing as staff work with applicants, communities and the Federal Emergency Management Agency (FEMA) to answer questions, provide guidance, and work through complex issues for both ongoing and upcoming map revision requests. CWCB processes and makes recommendations for revision requests on behalf of FEMA to modify flood hazard information on Flood Insurance Rate Maps (FIRMs). FEMA determines if the revision request will be approved, or become effective. We have 58 cases in process with ongoing cases in Boulder, Clear Creek, Douglas, El Paso, Elbert, Garfield, Gilpin, Grand, Jefferson, Larimer, Montrose, Prowers, Pueblo, San Miguel, Sedgwick, Summit and Weld Counties.

August 2022 Risk Mapping, Assessment and Planning (MAP) Project Updates by Major Water Basin

CWCB is FEMA's Cooperating Technical Partner (CTP) for the state while Mile High Flood District (MHFD) is the CTP within their service area (Denver Metropolitan Area). CWCB provides support for and coordination with MHFD on projects and data sharing for communities that extend across common boundaries.

North Platte Basin – No flood hazard studies are being conducted in this area.

South Platte Basin – Adams, Arapahoe, Boulder, Elbert, Larimer, Phillips, Logan, Morgan, Park, and Weld Counties have ongoing Risk MAP studies. Ongoing CWCB studies within the South Platte basin are as follows:

- Park County Phase 2: A Phase 2 (Data Development) Kickoff meeting took place on August 26, 2022. Some communities are looking at potential workshops for community staff on interpreting and using the draft flood hazard data.
- Logan County: BLE/Discovery review comments have been incorporated and are with FEMA for a back-check. Information received from the Communities during the BLE/Discovery process are

being used for scoping the Data Development process (Phase 2). A Phase 2 kickoff meeting is expected to occur in fall of 2022.

- Adams and Arapahoe Counties: CWCB is developing draft countywide BLE data. Portions of these counties are within both the CWCB and MHFD CTP service areas. The BLE modeling is complete and the contractor is working on floodplain mapping for the portions of Adams and Arapahoe counties outside of the MHFD boundary. CWCB and MHFD are coordinating on outreach efforts for the BLE Kickoff Meetings for these counties. Draft BLE data outside the MHFD will continue through the Risk MAP process being followed for other counties across the state. Draft BLE data developed within the Denver Metropolitan Area will be provided to MHFD for their future use, but will not be developed further by CWCB. MHFD already has effective detailed data for the majority of their service area. This draft BLE data will help them verify effective older approximate flood hazard data, and identify where flood hazard data might be developed for previously unstudied flooding sources. BLE data does not replace effective model-backed flood hazard information. MHFD will have the base BLE models, and may choose to leverage any of this data in the future.
- Morgan County BLE: We closed the period for communities to provide feedback regarding the Discovery/Phase 1 effort, and will be getting ready to start the new Phase 2/Data Development work in the next few months.
- Weld County: A countywide BLE/Discovery effort is expected to begin in the near future for flooding sources that weren't recently updated with the CHAMP project.
 - Colorado Hazard Mapping Program (CHAMP) Phase 2 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, Weld, and Larimer.
 - o Boulder County PMR: This Physical Map Revision (PMR) is still on hold as the National Building Science (NBS) has been creating a pool of potential candidates for assembling a Scientific Review Panel (SRP) to resolve the single outstanding comment needing resolution. FEMA will have 30 days to respond and complete panel selection. Once the SRP is assembled, they have 90 days to make a determination and resolve the appeal. At that point, the PMR will proceed through the FEMA process toward the issuance of the Letter of Final Determination (LFD).
 - o Weld County PMR: This project has completed the appeal period, and appeals have been resolved. The PMR products were submitted in August, and we anticipate a Letter of Final Determination (LFD) to be issued on October 19, 2022. The revised Flood Insurance Study (FIS) and Flood Insurance Rate Maps (FIRMs) will go effective six months after the LFD has been issued.
 - o Larimer County PMR: The 90-day mandatory appeal period started May 18, 2022 and ended on August 16, 2022. Appeals and comments are submitted through the community to

FEMA. All comment or appeal submittals received will be reviewed by FEMA. Once any valid comments and appeals have been resolved, the project will move toward the issuance of the LFD.

Colorado Basin – Eagle, Summit, and Garfield Counties have ongoing Risk MAP studies:

- Eagle County Physical Map Revision Phases 2-3: The revised Roaring Fork River hydraulic analysis and floodplain mapping have been approved by FEMA. The revisions were made to accommodate the 0.00-ft surcharge floodway that Eagle County and the Town of Basalt have adopted for the river. Results were shared with staff from Eagle County, the Town of Basalt, and the Town’s Consultant. The communities requested the models to incorporate additional survey data to supplement the terrain data where heavy vegetation exists. They will use the additional data to evaluate mitigation options to reduce the expanded floodway mapping in specific areas of concern.
- Garfield County Phase 2-3: The inability to gain access through private property for survey crews to collect field data for stream cross sections and hydraulic crossing structures has resulted in more than a three-month delay. Even after implementation of additional outreach efforts, property owners have not responded to allow collection of supplemental data. The additional data would allow our Contractor to refine analyses of flooding sources near existing development. The study may need to go forward using only the LiDAR terrain data and minimal crossing structure information in these areas, given the remaining FEMA grant funding and timeline. Once accessible field data collection is obtained, our Contractor will move ahead with the hydrologic and hydraulic analyses for Phase 2 based on the best available information acquired.
- Summit County BLE/Phase 2: We wrapped up the Phase 1/BLE effort and are moving into Phase 2. A kickoff meeting for Phase 2 was held on August 25, 2002. Next steps include survey and developing hydrologic models.

Gunnison Basin – Delta, Gunnison, and Ouray Counties have ongoing studies:

- Delta County Phase 2-3. A Resilience Meeting with the communities was held on July 7, 2022. Non-regulatory Flood Risk Products were reviewed during the meeting. These products help the communities in outreach efforts for risk communication and mapping changes based on the revised study. We are anticipating Preliminary products to be issued by the end of November 2022.
- Ouray County: We are waiting on FEMA for posting in the Federal Register. Once that occurs, we will send letters to communities notifying them of the start of the mandatory 90-day appeal process. Appeals and comments are submitted through the community to FEMA. All comment or appeal submittals received will be reviewed by FEMA. Once any valid comments and appeals have been resolved, the project will move toward the issuance of the LFD.
- Gunnison County:

- Countywide BLE: We are preparing final Discovery models and products for submittal to FEMA for final approval. We will kick off Phase 2 in October 2022.
- PMR: Hydraulic modeling was approved by FEMA but we are revisiting the models due to discovering a non-certified embankment that may impact the results. Once that is resolved we will proceed with floodplain mapping.

Rio Grande Basin – Alamosa and Costilla Counties have ongoing studies:

- Alamosa County BLE: BLE modeling is complete. A project kickoff meeting with communities was held on August 24, 2022. We are working on the BLE models.
- Costilla County Phase 2-3: Our Consultant is using the new high-resolution LiDAR data to develop revised flood hazard information for remaining segments of effective approximate flood hazard areas (Zone A floodplains). A revised preliminary distribution of the updated FIRM panels will take place before the project will move forward.

Arkansas Basin – Lake, Chaffee, Custer, Fremont, Pueblo, El Paso, Huerfano, Las Animas, Otero, Bent, Prowers, Baca, Crowley, and Kiowa Counties have ongoing studies:

- Lake County Phase 2: We are on hold pending information on a buried culvert. Not accounting for conveyance through this culvert has significant impacts on the hydraulic modeling and flood hazard mapping in this area.
- Chaffee County Phase 2: Field survey and hydrology are underway for several streams of interest to catch up with hydrology and hydraulic modeling for the countywide study. At the request of the communities, CWCB is holding a Flood Risk Survey-focused Workshop in Buena Vista on September 7, 2022.
- Custer County BLE: Phase 2 Kickoff materials are being prepared for an anticipated meeting in the fall.
- Pueblo County BLE: We are addressing community comments on the draft BLE data and Discovery report. Finalized models will be sent to FEMA for review. We anticipate holding a Phase 2 kickoff meeting in late fall.
- Huerfano County Phase 2: Our Contractor is revising the BLE hydrology and hydraulic analyses using the latest HEC-RAS 6.2 software applications for spatially varied Curve Numbers (CNs) to refine hydrology for the flood risk information. A comparison between results from the revised hydrology and the previous results (only allowing for a constant CN, given the lack of options for modeling available in 2020-2021) to assess the magnitude of changes between the methodologies. Results of the comparison will help determine if the benefits of using the new model feature are significant enough to be considered in other ongoing flood hazard studies.
- Bent County: FEMA is deciding whether the floodplain mapping for the countywide study should be delayed pending the completion of the Arkansas River South Levee analysis and certification. City of Las Animas (Bent County) Pre-Levee: See updates under the Bent County project entry above.

- Otero County: Our Contractor is working to address comments from FEMA on the floodplain mapping submittal.
- El Paso Phase 2 and Templeton Gap (T-Gap) pre-levee work: Hydrology and most surveying for year 1 and 2 data development (Phase 2) is wrapping up. For the additional flooding sources requested by El Paso County and Colorado Springs (Phase 2, year 3) field survey is being completed and hydrology is being developed. Coordination with both Colorado Springs and El Paso County took place and a path forward was determined for providing representative hydrology for the Sand Creek watershed.
- Las Animas County Phase 2: Phase 2 currently on hold. CWCB waiting for Contractor scope to be approved provide additional detailed hydraulic analysis (Zone AE floodplain) for a small effective stream and some community requested upgrades to detailed studies for additional flooding sources.
- Fremont County Phase 2: Survey is complete and data development work is underway, . We are currently developing the detailed hydraulic models needed for the Phase 2 analysis for specific flooding sources.
- Prowers County Phase 2: Contractor working on hydrology and hydraulics for the additional detailed stream miles requested by communities.
- Towns of Granada/Holly/Lamar (Prowers County) Pre-Levee assessments: We are finishing up some additional levee evaluation, Interior Drainage Analyses, and Emergency Action Plans for all three communities through a severance-funded Task Order. These products are required for any levee certification efforts.
- Kiowa County: A countywide BLE/Discovery effort is expected to begin in the near future for all flooding sources within the county.
- Crowley County: A countywide BLE/Discovery effort is expected to begin in the near future for all flooding sources within the county.

Yampa/White Basins –Moffat County has an ongoing Risk Map study:

- Moffat County: Hydraulic models have been approved. A virtual meeting is being scheduled to discuss mapping for Fortification Creek through Craig.

Dolores/San Juan Basins – La Plata, Dolores, Montezuma, Archuleta, San Juan, and San Miguel Counties, along with the Southern Ute Tribal nation, have ongoing studies.

- Animas Watershed Phases 3-4: CWCB, our Contractor, and FEMA are coordinating on responses to appeal submittals received in La Plata County. We are anticipating LFD for San Juan and Archuleta in November 2022. La Plata would follow shortly afterwards.

- Southwest Colorado (Montezuma, Dolores, San Juan, La Plata, Archuleta, Hinsdale, and Mineral Counties) BLE: Our Contractor is preparing BLE deliverables and Discovery report for submittal to FEMA.
- Phillips County:
 - o Phases 3-4: The project had Preliminary products for the study issued on 7/27/2022. Communities had a 30-day comment period then the Community Coordination Officer (CCO) and Public Meetings take place later in the fall. The CCO provides another opportunity to review changes in flood risk, address questions, discuss outreach and risk communication efforts and available resources and assistance from CWCB and FEMA before preliminary mapping to become effective. The Public Meeting is an open house with all residents, stakeholders, and community members to educate them on the mapping and insurance implications and answer individual questions.
 - o Countywide BLE: A countywide BLE/Discovery process started this summer. The project is to identify flood hazard for flooding sources not included in the ongoing map revision. A project kickoff meeting was held on August 17, 2022. The contractor is working on the BLE models now.

Multi-Basin Risk Map Projects: Elbert, Mesa, Mineral, Hinsdale, Lincoln, and Teller Counties have ongoing studies that span multiple water basins.

- Elbert County: The Phase 2 Kickoff meeting was held with communities on August 29, 2022. Next steps include survey and hydrologic modeling.
- Mineral County/City of Creede LOMR: Additional requested data was submitted to FEMA for the Willow Creek Levee certification within the City of Creede. Our Consultant is addressing the comments from FEMA and will resubmit soon. Development of preliminary products will move forward once the hydraulic analysis and floodplain mapping have received FEMA approval.
- Mesa County Phase 2: Still trying to gain access to some private property areas for field survey data of stream cross sections and some crossing structures. We will move ahead with the study using best data available where necessary due to limited FEMA funding and grant timeline. Updating of hydraulic modeling is underway.
- o Flood Risk Information System (Mesa County): Based on additional staff input, minor modifications are being performed on the draft website for this Flood Risk Information System (FRIS) pilot project. Staff and our Contractor will meet with communities in Mesa County to showcase the site and obtain additional input. Once community feedback has been adequately addressed, the site will go live.
- Hinsdale County
 - o Lake City Partial Countywide: Preliminary products were issued May 20, 2022. Both the CCO and Public Open House meetings were held on July 14, 2022. The next step is publication in the Federal Register so the 90-day appeal period can begin.
 - o Countywide BLE: The Discovery meeting was held on July 15, 2022 with both the County and the Town of Lake City. The Contractor has incorporate comments from communities

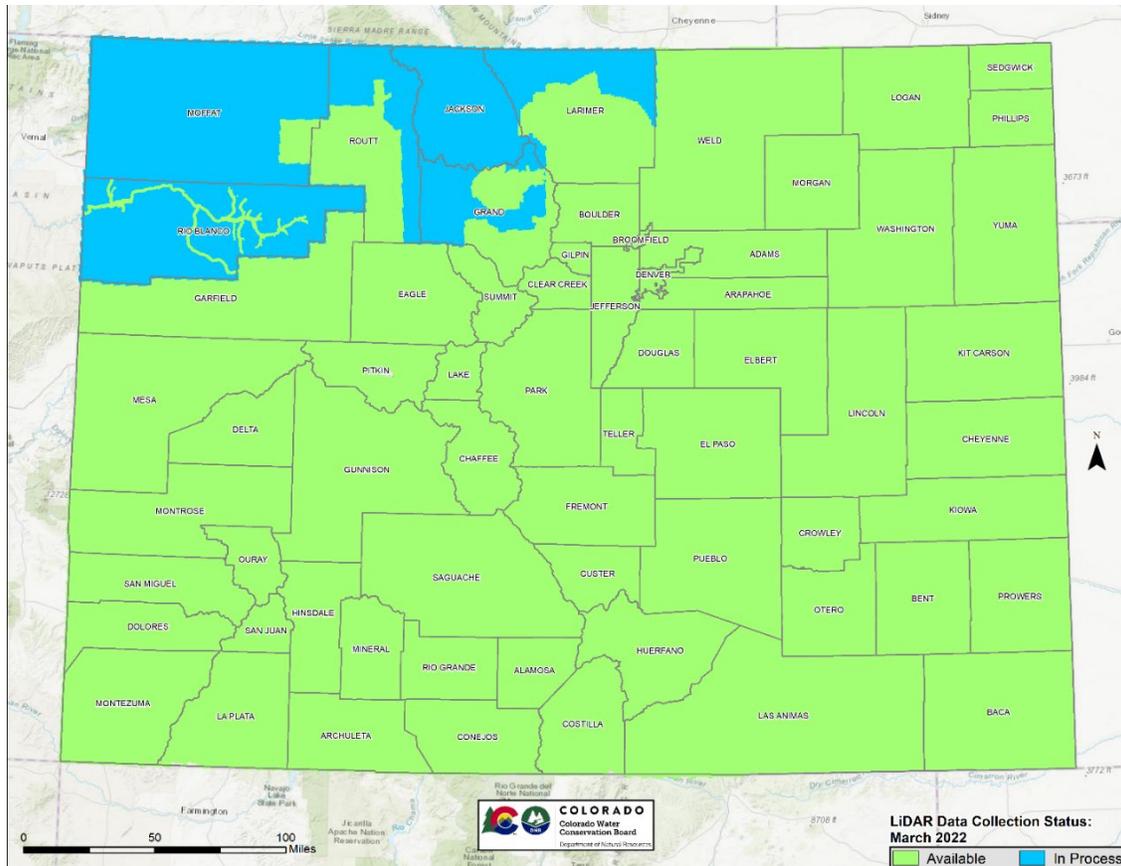
and is preparing the submittal to FEMA for final approval. A kickoff meeting for Phase 2 is anticipated in November or December 2022.

- Teller County Phase 2: Work on resolving issues with significant hydrology discrepancies for some flooding sources at county boundaries is under way.
- Sedgwick County: A countywide BLE/Discovery effort is expected to begin in the near future for flooding sources that weren't recently updated with the CHAMP project.
- 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, CWCB 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.
 - o San Miguel County: We finally received the Town of Telluride LOMR that caused this project to be put on hold. Hydraulic analysis for portions of the county through the Telluride area will now need to be revised using the updated hydrology from the LOMR to reflect impacts of the as-built Valley Floor Restoration project into the partial countywide study.
 - o Lincoln County Phases 2-3: The Resilience Meeting was held on August 11, 2002 with all impacted communities. We are anticipating Preliminary products to be distributed by the end of September.
 - o Saguache County: The alluvial fan analysis on North Crestone Creek in the town of Crestone will be put on hold pending additional information from FEMA on alluvial fan requirements and subsequent implications. Floodplain mapping has been completed for all other flooding sources and is being reviewed by FEMA.

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 USGS is completing the last few areas in northwest Colorado that were missing updated LiDAR.

- LiDAR collection tasks that were recently completed include the Eastern Colorado Plains data collection, led by the USGS, the DRCOG LiDAR for the Denver Metropolitan Area, and the San Luis Valley/San Miguel/Pitkin areas. The remaining LiDAR acquisition for the Northwest CO region is currently going through final USGS QA-QC.
 - Northwest CO Project: USGS likely won't have the final deliverables for this project area until late 2022.

Below is the most recent status map for LiDAR data acquired in Colorado (No updates since March 2022):



(Terri Fead and Marta Blanco Castano)

Colorado Fluvial Hazard Zone Mapping Program – Upcoming Trainings

In order to recognize and assess the hazards associated with erosion, sediment deposition, and other dynamic river processes, the CWCB has developed a technical protocol to help communities identify, map, and plan for natural hazards. The State of Colorado’s Fluvial Hazard Zone (FHZ) Program represents a significant and necessary step forward in adaptively managing stream corridors, preparing for and mitigating flood impacts, and making informed land use decisions based on an awareness of fluvial processes. The FHZ is the area a stream has occupied in recent history, may occupy, or may physically influence as it stores and transports water, sediment, and debris.

The CWCB FHZ mapping program has several [training opportunities](#) available this fall. There are two training modules, and there are two options to attend each module. Module 1 will introduce participants to stream corridor processes (physical and biological) and the various ways of defining them. Participants will explore management practices and opportunities within stream corridors. Participants will identify and understand the fundamental processes and components of Fluvial Hazard Zone maps and how the FHZ Mapping Program can be applied to manage the stream corridors under their purview. Trainings are available on 9/13 in Steamboat Springs and 10/7 as a virtual option.

Module 2 will build off of Module 1 by applying an understanding of the hydrologic, geomorphic, and biotic context of a stream corridor system to determine geomorphic trajectory and sensitivity. It will then apply this context to delineating FHZ mapping components based on the methods outlined in the Colorado Water Conservation Board [FHZ Mapping Protocol](#) (v1.0). Participants will learn and apply GIS tools for mapping the FHZ and also conduct a field trip in which they will make and integrate field based observations into FHZ delineations. Trainings are available on 10/19 in Grand Junction and 11/10 in Longmont.

-Chris Sturm

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 local organizations with their on the ground efforts aimed at improving their local watersheds through planning and projects.

This year 12 applicants were approved for funding. Of these projects, five are for planning efforts and seven are for projects. A total of \$190,175 was allocated for these projects and the administration of the projects through the CWA. Below is an overview of the all the projects.

Planning: Arkansas River Watershed Middle/Lower Basin Outreach and Project Development

Basin: Arkansas

Award: \$16,400

Summary: Created in 2017, the Arkansas River Watershed Collaborative (ARWC) strives to protect watershed health and support the communities of the 28,000 square mile basin. ARWC and their partners recognize the risks and opportunities to the watershed but lack the capacity for project planning, management, and community outreach. Most of the grant opportunities available to ARWC do not include planning and project management support. With increasing risks to watersheds and water supplies, the scope of their work is ever-expanding.

The ARWC development goals include building capacity within their own organization and beyond it by supporting other groups such as the Central Arkansas River Basin Mitigation Group (CARBMG; formally, the Middle Arkansas Wildfire Prevention Partnership or MAWPP). They also plan to expand the understanding of watershed health through outreach and engagement to local communities through events, printed and digital media, and service events such as the slash-site collection.

Planning: Big Thompson River Stream Management Plan - Project Development

Basin: South Platte

Award: **\$20,000**

Summary: In early 2022, the Big Thompson Watershed Coalition (BTWC) completed a stream management plan (SMP) for a 15-mile stretch of the Big Thompson River from the canyon mouth east to the I-25 corridor. The SMP Advisory Committee, made up of approximately 20 municipal, recreational, commercial, water management, agricultural, and other representatives, provided critical input in the

project by refining and grounding various assessments through technical expertise, increased network breadth, and stakeholder engagement expansion. In the end, the SMP identifies six top priority reaches based on the highest number of improvements needed and level of alignment with reach-specific community-identified goals as well as four ditch diversions for retrofitting and enhancement.

As recommended by the SMP, the BTWC requests \$20,000 to focus next steps for these priority reaches to include relationship building, project feasibility assessments, and project development efforts. The goal for this project will be to develop and build upon positive relationships with river stakeholders to collaboratively identify 2-3 projects within SMP-identified priority locations and their associated project prospectuses that BTWC and partners can use to apply for funding for project implementation.

CWA received a donation to the HRF to be used in the Big Thompson watershed. That funding will be used for this planning effort. No Tax Checkoff Funds were requested.

Planning: Missouri Creek Stream Restoration Project Final Planning and Engineering Design

Basin: South Platte

Award: \$20,000

Summary: Clear Creek Watershed & Forest Health Partnership stakeholders, from the City of Golden and Trout Unlimited, engaged a group of Colorado School of Mines students through the Senior Design Challenge program to conduct preliminary field assessments, water quality and field data collection, and to design a stream channel restoration project on Missouri Creek, a tributary to North Clear Creek. The Missouri Creek subbasin was identified as one of the most at-risk drainages in the 2021 Upper Clear Creek Pre-Wildfire Planning Study.

Students will be using aerial imagery along with a relative elevation model to determine where sections of Missouri Creek are degradational, aggradational, or disconnected from the floodplain. Restoration plans may include natural channel designs such as rock cross vanes, constructed riffles, and log rollers to restore stream function and establish a low flow channel allowing for connection to the floodplain.

Healthy stream systems provide protection to the overall stream system and the infrastructure and water users below it in post-fire scenarios. The students final design package will include all the field assessment data they gather along with 30% designs for a stream channel restoration project for Missouri Creek. The Healthy Rivers Fund grant will be used to build upon the work the students complete and develop final plans and designs for the Missouri Creek stream restoration project using a professional engineer and to conduct land-owner outreach to obtain consent for access and implement final approved engineering plans

Planning: Animas Headwater Ecological Action Division

Basin: Southwest

Award: \$19,500

Summary: On behalf of Upper Animas watershed communities, Mountain Studies Institute (MSI, applicant), Silverton, and San Juan County propose convening a collaborative group, Animas Headwaters Ecological Action Division (AHEAD). Past environmental restoration efforts in the County mainly focused on legacy mine remediation, particularly after the declaration of the Bonita Peak Mining District (BPMD)

as a Superfund site in 2016. Although much progress has been made, there is a community-driven interest to develop an action plan based upon a holistic approach that incorporates ecological watershed management, recreation, and economic development. An assessment is needed to better evaluate watershed conditions, synthesize stakeholder input, identify potential restoration projects, and get ahead of possible funding opportunities.

The AHEAD collaborative is enthusiastic about enacting wider-ranging restoration initiatives in the Animas River headwaters. As a major tributary to the larger San Juan and Colorado River systems, addressing watershed needs within the upper Animas will promote resilient ecosystems for communities within the headwaters and downstream users. This will be accomplished by identifying and prioritizing projects via collaborative planning, a geospatial multiple criteria analysis, and community feedback.

By creating this group, the community will be prepared to turn restoration plans and projects into on-the-ground improvements with future funding opportunities, particularly the potential influx of federal dollars related to the Bipartisan Infrastructure Law (BIL). This once-in-a-generation stimulus has specific allocations related to water resources, environmental restoration, and recreation. Having a well-established group, with identified projects, will put our community ahead, to positively leverage potential grant opportunities. It is the goal that CHRF funding opportunity acts as the building blocks for our community and that the working group would continue in perpetuity.

Planning: Engineering Design for Lion Creek Floodplain Restoration Project

Basin: South Platte

Award: \$15,073

Summary: This project will be led by the local Trout Unlimited Chapter to develop engineering design at a heavily mine-impacted stretch of floodplain in the Lion Creek Watershed, near Empire, Colorado. During development and operation of the historic Minnesota Mine, large volumes of waste rock, tailings and acidic water were cast throughout the Lion Creek floodplain. To address these issues, Trout Unlimited (TU) has been engaged with the US Forest Service (USFS), the US Geological Survey (USGS) local landowners, the Colorado School of Mines and the Clear Creek Watershed Foundation (CCWF) in the North Empire Creek watershed since 2016.

Through these long-standing partnerships, TU and the USFS have completed multiple environmental cleanups in the Lion Creek watershed, but significant floodplain work remains. TU is seeking Healthy Rivers Funding to continue their collaborative, science-based efforts in the watershed. TU is requesting Healthy Rivers Funding complete engineering design for the upper, most impacted, section of Lion Creek floodplain. This design would build on the findings from 2017 synoptic and dye-tracer testing completed by the USGS, USFS and TU which specifically identified this section of floodplain as the main metals loader to Lion Creek.

The combination of mine wastes and numerous groundwater seeps significantly degrade downstream water quality, which can be traced back to the Minnesota Mine (Bryne et al., 2017). These impairments have far-reaching implications. Lion Creek combines with North Empire Creek, a 303d listed stream, before reaching the West Fork of Clear Creek. The Town of Empire lies below the confluence of these

impaired creeks where residents draw drinking water from shallow groundwater wells on North Empire Creek. Restoring Lion Creek floodplain will improve downstream conditions in North Empire Creek and will have an additive benefit of community protection for Empire residents.

Project: White River Community Riparian Revegetation

Basin: Yampa/White/Green

Award: \$16,654

Summary: RiversEdge West (REW), in partnership with Rio Blanco County 4-H (4-H), 4M Ranch, Bureau of Land Management White River Field Office (BLM-WRFO), Colorado Northwestern Community College (CNCC) and Western Colorado Conservation Corps (WCCC) will engage Rio Blanco County youth, landowners, college students, and community members in improving the health and function of the White River and its riparian areas by removing invasive tamarisk and Russian olive and establishing healthy, native riparian vegetation.

The White River provides critical habitat for endangered and conservation agreement fish species. Its riparian areas provide habitat for elk, deer, and other terrestrial wildlife. The White River is the lifeblood of Rio Blanco County's agricultural communities and growing outdoor recreation economy. The majority of riparian lands are privately owned and engaging local youth, landowners, and community members in riparian stewardship and providing riparian revegetation strategies to landowners are critical steps to supporting the ecological, agricultural, and socio-economic well-being of the White River and surrounding community.

This project is part of a larger effort by the White River Partnership (WRP), a collaborative watershed group in the White River basin of northwestern Colorado and northeastern Utah. It consists of diverse local, regional, and state-level partners, as well as federal agency field offices, with the shared goal of establishing and maintaining healthy riparian zones along the White River.

Project: Wildcat Creek 'BDA/SiLS' Process Based Stream Restoration Project

Basin: Southwest

Award: \$7,000

Summary: Dolores River Anglers (a local chapter of Trout Unlimited), in association with the Upper Dolores Stream Protection Working Group, requests grant support for installing and monitoring up to three beaver dam analogs (BDAs) along with associated simple log structures (SiLS) for a defined reach of Wildcat Creek in the Upper Dolores (at a site within the National Forest) targeted for Water Year 2022-2023. An archeological survey of the access to the site and of the work site itself is required by environmental law.

Project: Lower Willow Creek Floodplain Reach-scale Process-based Stream Restoration

Basin: Rio Grande

Award: \$14,250

Summary: This project will initiate process-based restoration on a 2,700 lf reach of the lower Willow Creek floodplain (loWCfp), including observation and monitoring, and measurable outcomes. Reach-scale, process-based Stream Restoration on lower Willow Creek, demonstrates the complex interaction of anthropogenic impacts (legacy mining, Superfund Site remediation, recreation) with the potential for

eco-regeneration when restoration approaches are site specific and match restoration scale to natural processes.

This project builds upon the Comprehensive Willow Creek Watershed Planning Project. Several of The Plan's objectives inform this project, including The Willow Creek Inventory, 60% design for stream restoration by Matrix Design Group, and rigorous community review by landowners, locals, environmental experts, CWCB and others.

While an engineering design is necessary for portions of the loWCfp adjacent to tailings facilities, sewer infrastructure, or headgates, a process-based restoration will seek to incorporate several natural and passive techniques. A process-based approach to Phase 2 will integrate the natural and anthropogenic drivers through this reach to establish a dynamically emerging resilient floodway that allows for channel migration, functional sedimentation, improved water quality, and amplified biological potential. The site will become a living classroom to directly benefit the creek, community, and the scientific literature on process-based restoration.

Project: Mancos River Fish eDNA Project

Basin: Southwest

Award: \$17,538

Summary: The Mancos River Fish eDNA Project will use environmental DNA (eDNA) to assess what parts of the watershed are currently being utilized by fish. This information will be used to help determine what parts of the watershed need to be protected, and which parts need to be restored in order to provide potential habitat to support drought- and climate-resilient fish populations.

A warm-cold water transition zone occurs in the Mancos Valley, making it an important habitat for a variety of fish. Populations of warm-water fish including Roundtail Chub, Bluehead Sucker, and Flannelmouth Sucker have been found in the Valley and several species of cold-water fish are found in the upper reaches of the river. Mottled Sculpin, Rainbow Trout, and Brown Trout, are present. Cutthroat Trout, a species of special concern, may or may not be present as well.

In the Mancos River Watershed agricultural producers rely on water for production, the Town of Mancos and Mesa Verde National Park use the Mancos as a municipal supply, the community values the recreational and environmental aspects, and the Ute Mountain Ute Tribe is culturally connected to the river. Drought and climate change are impacting river flows highlighting the importance of drought- and climate-resilient watersheds.

Project: Tamarisk Removal Project at John Martin Reservoir

Basin: Arkansas

Award: \$6,000

Summary: This is a 2-day collaborative community volunteer project that will involve the removal of tamarisk at John Martin Reservoir State Park located in southeastern Colorado. Collaborating entities include the U.S. Army Corps of Engineers (USACE), Rocky Mountain Field Institute (RMFI), Volunteers for Outdoor Colorado (VOC), and Bent County 4-H. The volunteer project will occur on September 24 and 25 in celebration of National Public Lands Day.

A minimum of 30 community volunteers will be recruited to participate. Through this broad community outreach regarding the project and its impacts, it is anticipated this project will reach a much larger audience through social media posts, newsletters, and educating John Martin Reservoir users during the volunteer project itself.

The restoration area lies less than two miles east of the town of Las Animas, Colorado which is an economically disadvantaged community of almost 3,000 people (41% of whom live below the Federal Poverty Level). Tamarisk removal will deliver numerous ecological benefits including reducing the risk of wildfire and flooding, reducing vegetative consumption of water, encouraging the reestablishment of native plant communities, and improving overall biodiversity. The project will also help restore important habitat for up to three federal special status species including the eastern black rail, the piping plover, and the interior least tern.

Project: Tejon Street Wetland Riparian Restoration

Basin: Arkansas

Award: \$20,000

Summary: Mile High Youth Corps will work with the City of Colorado Springs' Parks, Recreation and Cultural Services to eliminate woody invasive species along the Pikes Peak Greenway (PPGW) which runs along Fountain Creek from just south of the Drake Power plant. This 5,000 linear feet of greenway is integral to the larger Legacy Loop Trail.

This area has been altered from healthy, viable habitat with mixed plant communities into crowded monoculture forests with little biodiversity value. Siberian elm infestations have drastically reduced the creek's channel capacity thus limiting stream-flows, impairing wildlife habitat, and increasing flood danger.

This project will consist of a MHYC chainsaw and herbicide application crew removing, controlling, and eradicating invasive woody and herbaceous plants along the PPGW for two weeks. MHYC ensures a minimum of 320 work hours per week using 7-9 Corps members (18-24 year olds) and one Crew Leader who provides on-site supervision. The City of Colorado Springs will act as the cooperating project partner and take the lead on planning, organizing and implementing the project. The City of Colorado Springs will continue to maintain and monitor the area after the project is complete.

Project: East Plum Creek Restoration Partnership

Basin: South Platte

Award: \$19,935

Summary: The East Plum Creek Restoration Partnership is located at the Colorado Agricultural Leadership Foundation's (CALF) Historic Lowell Ranch in southern Castle Rock, Douglas County. CALF owns the 168-acre property, and the entire stream restoration project is approximately a 1-mile long riparian corridor containing East Plum Creek. The property has a conservation easement held by Douglas Land Conservancy in perpetuity. East Plum Creek is within the Plum Creek and South Platte Watershed and flows north through the property. The elevation of the project area is Approximately 6,350 feet

above sea level. This project is an important link to reduce the fragmentation and connect a variety of protected habitats both upstream and downstream of the project.

Work on this project will include:

Project Management and Final Design, Site Clearing and Preparation, Earthwork and Regrading, Bank Reconstruction, Revegetation Preparation, Bank Stabilization with Revegetation, and Community Education.

(Steve Reeves)

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

Town of Silver Cliff, NFIP Participation

Following NFIP meetings and workshop conducted earlier this year by this office and the CWCB floodplain mapping team, the Town of Silver Cliff in Custer County has passed a resolution of intent to join the National Flood Insurance Program. When approved by FEMA, Silver Cliff will become Colorado's 257th community participating in the National Flood Insurance Program.

Colorado NFIP Tiered State Framework (TSF) Assessment

Conducted every 3 years, the 2023 fiscal year is a cycle year for FEMA's nationwide TSF assessment of all NFIP-participating states' CAP-SSSE programs.

The TSF assessment was implemented in FY 2020 with the goals of improving accountability performance, and transparency in the individual states' CAP-SSSE programs by evaluating state activities, performance measures and targets, and provides incentives based on state capability. States are measured on their resources and authority to complete the CAP-SSSE work (capacity), their ability and expertise to support the NFIP (capability), history of work (performance), and integration of the NFIP into state priorities (planning & coordination). There are a total of 21 characteristics across these 4 TSF categories on which states are assessed. The outcome of each assessment is used to make judgements regarding a state's program's needs including additional resources and/or funding.

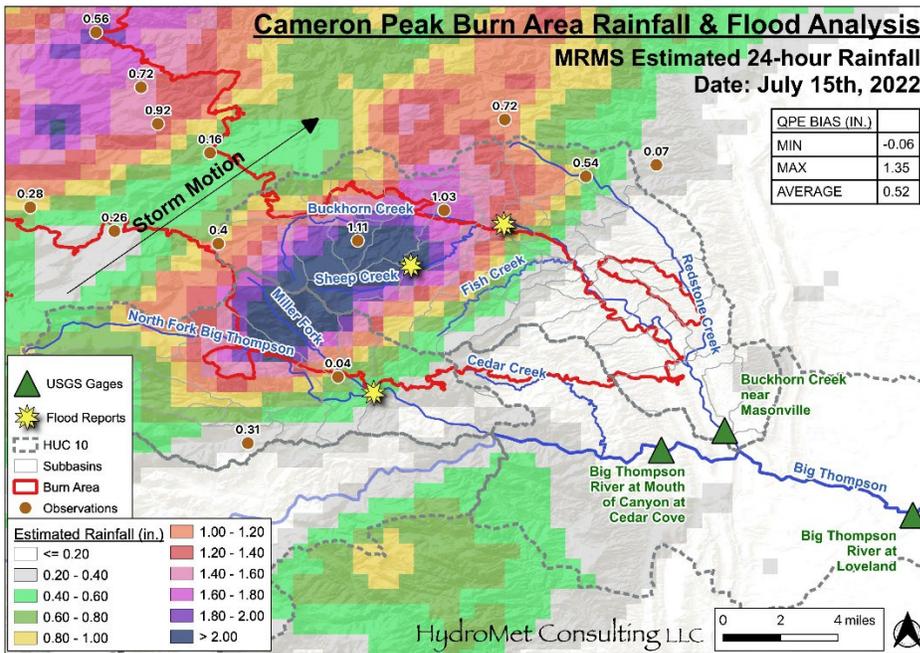
This office will complete this year's assessment by collecting and reporting all required documentation and/or information in a self-assessment to be reviewed and approved by FEMA Region 8. Following any revisions, final FEMA headquarters review and approval is expected in Spring of 2023.

(Doug Mahan)

Deadly July Flood Event Analyzed to be 50-200 Year Rainfall Event

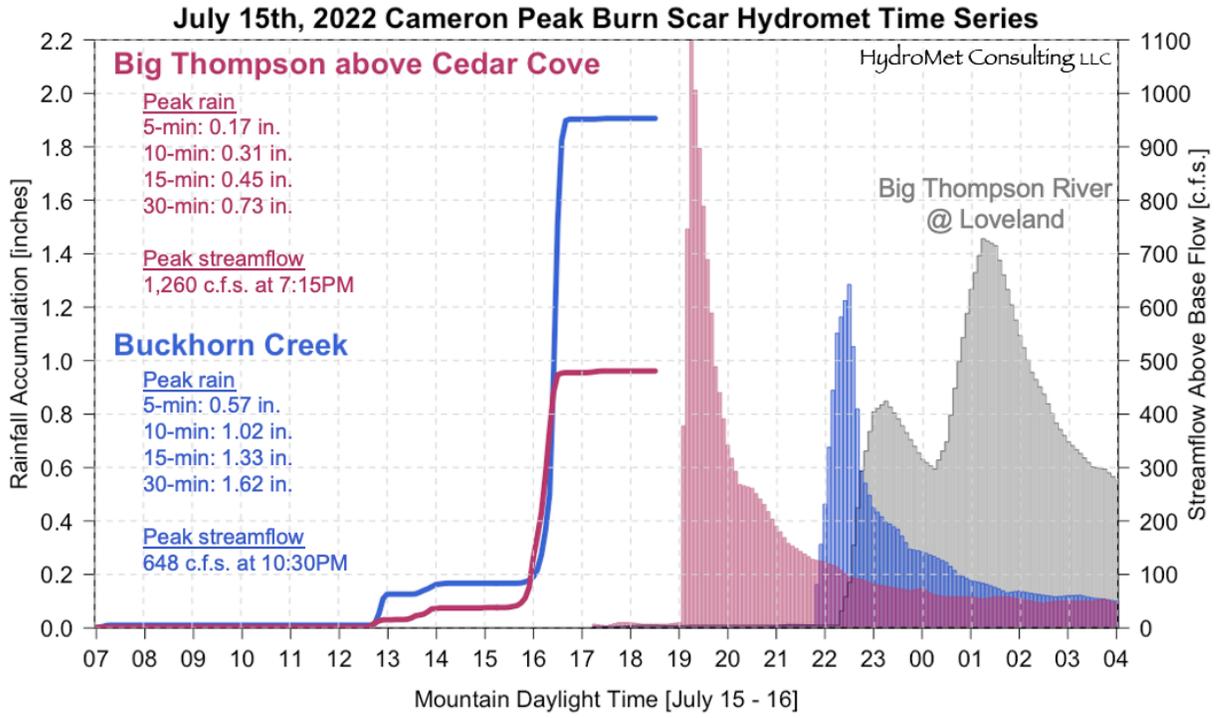
The Cameron Peak burn area experienced a sharp rainfall event on July 15. The area experienced a sudden flash flood that resulted in the deaths of two people. A rainfall analysis was performed by the Flood Threat Bulletin forecasting team to determine the extent of the rainfall that resulted in the flood event.

The series of graphics below shows the magnitude and extent of the rainfall event. In terms of maximum point rainfall estimates (at the storm center), the attached table shows a 0.5-2% Annual Exceedance Probability (1 in 50-200 year) event depending on the duration used. However, the spatial coverage of the storm was quite limited, which caused the sub-basin average rainfall totals to not be overly impressive in the storm core. However, it can be seen that the hydrologic response in the separate streamflow spikes on the Big Thompson River and Buckhorn Creek (see image). Preliminary findings suggest that the burn had a big role in increasing the flow.



Storm Center Rainfall Statistics		
Duration	Total	AEP (ARI)
5-min	0.79 in.	2% (50 yr)
10-min	1.51 in.	0.5-1% (100-200 yr)
15-min	1.95 in.	0.5-1% (100-200 yr)
30-min	2.52 in.	0.5-1% (100-200 yr)

HydroMet Consulting, LLC



(Kevin Houck)

WATER SUPPLY PLANNING SECTION UPDATES

In Water Supply Planning, staff have been working on multiple fronts to enhance the WSRF Criteria and Guidelines, continue efforts to focus on water conservation and keep working to get public comment on the Colorado Water Plan. Each of these items have agenda items.

Also, all Water Plan Grants, WSRF Grants and PEPO Grants can now be processed through the CWCB Grant and Loan Portal. This includes having WSRF applicants seeking roundtable support apply directly. The updated Project Database also went live Thursday, July 28, 2022 and includes the ability for 1-2 roundtable members (e.g. Chair; Vice Chair) to have deeper access. We are also working to support roundtables with audio/visual equipment and are really grateful to our new roundtable liaisons, Jeff Rodriguez for his great work jumping in and supporting the basins.

Water Supply Reserve Fund Grants Director’s Report – September 2022

WATER SUPPLY RESERVE FUND GRANTS:

The following table summarizes the Water Supply Reserve Fund Grants \$50,000 and under that will be sent to the CWCB Director, Rebecca Mitchell, for approval.

Basin	Applicant/Grantee	Name of Water Activity	Basin(s) Account Approved Request	Funding Recommendation
Arkansas	Purgatoire River Water Conservancy District	Automated Water Control Gates – Water Efficiency Project Phase 2	\$35,000	\$35,000
Colorado	Learning By Doing, Inc	Grand County Stream Management Plan Update – Phase 1	\$25,000	\$25,000
Gunnison	Grandview Canal & Irrigation Company	Grandview Headgate & Water Optimization Project	\$40,000	\$40,000
Gunnison	Short Ditch	Engineering Services for Leaking & Degraded Ditch Section	\$12,000	\$12,000

Southwest	Lone Cone Reservoir & Ditch Company	Lone Cone Reservoir Rehabilitation – Phase 1: Engineering & Design	\$25,000	\$25,000
Southwest	Trout Unlimited	Fall Creek Fish Barrier – San Juan Cutthroat Trout	\$20,000	\$20,000

TECHNICAL ASSISTANCE FOR FEDERAL COST SHARE GRANT PROGRAM UPDATE:

New grant applications approved by Director Mitchell:

1. Delta Conservation District – Feasibility Studies for Ditch Companies applying for Federal Funding (\$49,940.00).



COLORADO

Colorado Water Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

P (303) 866-3441
F (303) 866-4474

Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Rebecca Mitchell, CWCB Director

TO: Rebecca Mitchell, CWCB Director

FROM: Andrea Harbin Monahan, Watershed & Flood Planning Section
Ben Wade, Water Supply and Planning Section
Chris Sturm, Watershed & Flood Protection Section
Kevin Reidy, Water Supply & Planning Section
Matt Stearns, P.E., Finance Section
Nora Flynn, Water Supply & Planning Section

DATE: September 2, 2022

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

Staff Recommendation:

Staff recommends Director’s 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			
a. Trout Unlimited	Middle Colorado AG Collaborative	\$20,000	Approve \$20,000
Conservation & Land Use			
b. Left Hand Water District	Left Hand Water District Water Conservation Plan Update	\$28,125	Approve \$28,125
c. Dominion Water & Sanitation District	Drought and Water Shortages- Planning and Regulations	\$34,240	Approve \$34,240
Engagement & Innovation			
d. Town of Frisco	Wetland Viewing Deck and Interpretive Signage	\$41,721	Approve \$41,721
Watershed Health & Recreation			
e. Headwaters Alliance	North Creede Stream Stability and Flood Mitigation	\$46,427	Approve \$46,427
f. Upper Yampa Water Conservancy District	Water Quality Analysis in the Upper Yampa River Watershed and Stagecoach Reservoir	\$40,000	Approve \$40,000



Total Recommended for Approval		\$210,513
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Background:

Applications were received by July 1, 2022. See links to applications for project summaries.





COLORADO

**Colorado Water
Conservation Board**

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

September 6, 2022

Re: Water Plan Grant Approvals

Dear : Andrea Harbin Monahan, Watershed & Flood Planning Section
Ben Wade, Water Supply and Planning Section
Chris Sturm, Watershed & Flood Protection Section
Kevin Reidy, Water Supply & Planning Section
Matt Stearns, P.E., Finance Section
Nora Flynn, Water Supply & Planning Section

I am pleased to inform you that I have approved staff recommendation for the grants listed in the memo: Water Plan Grant Recommendation for Director Level Approvals - July 2022 - dated September 2, 2022.

Sincerely,

Rebecca Mitchell, Director
Colorado Water Conservation Board



Water Plan Grants Director's Report - September 2022

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			
a. Trout Unlimited	Middle Colorado AG Collaborative	\$20,000	Approve \$20,000
Conservation & Land Use			
b. Left Hand Water District	Left Hand Water District Water Conservation Plan Update	\$28,125	Approve \$28,125
c. Dominion Water & Sanitation District	Drought and Water Shortages- Planning and Regulations	\$34,240	Approve \$34,240
Engagement & Innovation			
d. Town of Frisco	Wetland Viewing Deck and Interpretive Signage	\$41,721	Approve \$41,721
Watershed Health & Recreation			
e. Headwaters Alliance	North Creede Stream Stability and Flood Mitigation	\$46,427	Approve \$46,427
f. Upper Yampa Water Conservancy District	Water Quality Analysis in the Upper Yampa River Watershed and Stagecoach Reservoir	\$40,000	Approve \$40,000
Total Recommended for Approval			\$210,513

INSTREAM FLOW ATTACHMENTS

Director’s Report Attachment – September 20-21, 2022 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/ CWCB Case No.	ISF Amount (CFS)	Individual Injury (%)	Cumulative Injury (%)	Count
22CW3039	2	GeoCamp Colorado, LLC	Trout Creek 74W4173	6 (1/1 - 12/31)	0.00050 0.00050	0.05430 0.05120	4

RECENTLY DECREED ISF WATER RIGHTS: On July 25, 2022, the Division 2 Water Court decreed instream flow (ISF) water rights to the CWCB on a reach of the East Fork Arkansas River in Case No. 21CW3077 for 0.25 cfs (12/16 - 04/30), 7.0 cfs (05/01 - 07/31), 2.8 cfs (08/01 - 09/20), and 0.7 cfs (09/21 - 12/15), with an appropriation date of March 10, 2021. The upstream terminus is the East Fork Arkansas River’s headwaters, and the lower terminus is the confluence with Chalk Creek. This reach is approximately 6.46 miles long and flows in a southwesterly direction through parts of Lake County. A statements of opposition was filed in this case by the City of Aurora. Mutually agreed upon terms and conditions were included in a stipulation submitted to the court. The Bureau of Land Management recommended an ISF on this reach of the East Fork Arkansas River to protect the natural environment which includes a self-sustaining population of Brook trout.

September 20-21, 2022 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 to CWCB’s instream flow (“ISF”) water rights in the following water court cases. Staff, along with the Attorney General’s Office, has stipulated in 4 cases in which CWCB had filed a Statement of Opposition. Staff obtained an agreement via a letter-in-lieu of filing a Statement of Opposition in 5 cases.

A. STATEMENTS OF OPPOSITION

(1) Case No. 21CW3033 (Water Division 2) - Application of Upper Arkansas Water Conservancy District, acting through the Upper Arkansas Activity Enterprise

The Board ratified this Statement of Opposition at its November 2021 meeting. Applicant requested a “Finding of Reasonable Diligence and to Make Absolute in Part.” 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 final decree was entered on September 2, 2022.

The CWCB holds instream flow water rights, including the following, in Water Division 2 in the Arkansas Headwaters watershed that could have been injured by this application:

Appropriated ISF Water Rights:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
W-4271 (1975)	Lake Ck	Twin Lakes Res outlet	confl Arkansas R	15 (1/1 - 12/31)	05/01/1975
W-4441 (1976)	Grays Ck	headwaters	confl Poncha Ck	4 (1/1 - 12/31)	01/14/1976
W-4659 (1977)	North Fork South Arkansas R	confl McCoy Ck	hdgt North Fork Ditch	10 (1/1 - 12/31)	11/15/1977
W-4660 (1977)	North Fork South Arkansas R	confl North Fork Res	confl McCoy Ck	8 (1/1 - 12/31)	11/15/1977
W-4665 (1977)	South Cottonwood Ck	confl Mineral Ck	confl M Cottonwood Ck	10 (1/1 - 12/31)	11/15/1977
W-4667 (1977)	Middle Cottonwood Ck	confl NF M Cottonwood Ck	confl S Cottonwood Ck	10 (1/1 - 12/31)	11/15/1977
W-4675 (1977)	Poncha Ck	confl Silver Ck	confl S Arkansas R	8 (1/1 - 12/31)	11/15/1977
79CW0115	Cottonwood Ck	confl M&S Cottonwood Cks	confl Arkansas R	20 (1/1 - 12/31)	03/14/1979
79CW0121	Middle Fork South Arkansas R	headwaters in vicinity	confl S Arkansas R	5 (1/1 - 12/31)	03/14/1979

- For this application for diligence and to make absolute, upon CWCB’s request, the Applicant has included appropriate details regarding the individual exchanges, including the amount to be made absolute, the amount already made absolute, and the remaining conditional amounts.

(2) Case No. 19CW3045 (Water Division 4) - Application of Rehoboth Land Partners, LLC

The Board ratified this Statement of Opposition at its November 2019 meeting. Applicant requested a “Change of Water Rights.” 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. CWCB’s stipulation was approved by the Court on August 4, 2022. This case remains pending before the water court Referee.

The CWCB holds instream flow water rights, including the following, in Water Division 4 in the Lower Dolores, San Miguel and Uncompahgre watersheds, that could have been injured by this application:

Appropriated ISF Water Rights:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
04CW0163	Spring Creek	Confluence of East & Middle Forks Spring Ck	Headgate of Kenton Ditch	5.3 (4/1 - 6/15) 2.6 (6/16 - 7/31) 0.9 (8/1 - 3/31)	01/28/2004
05CW0215	Horsefly Creek	Confluence of Sheep Ck	Confluence of San Miguel River	13 (4/1 - 6/5)	01/25/2005
06CW0167	East Fork Spring Creek	Headwaters in vicinity	Confluence of Spring Ck	1.8 (4/1 - 10/31) 1.6 (11/1 - 3/31)	01/25/2006
11CW0129	San Miguel River	Confluence of Calamity Draw	Confluence of Dolores River	325 (4/15 - 6/14) 170 (6/15 - 7/31) 115 (8/1 - 8/31) 80 (9/1 - 2/29) 115 (3/1 - 4/14)	01/25/2011
15CW3111	Dolores River	Confluence of San Miguel River	A private road bridge, (UTM coordinates in the decree	900 (4/15 - 6/14) 400 (6/15 - 7/15) 200 (7/16 - 8/14) 100 (8/15 - 3/15) 200 (3/16 - 4/14)	01/28/2014

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

- “The historically irrigated acreage will continue to be irrigated using the same practices, using ditches and laterals that apply irrigation water in a sequential manner throughout downgradient acreage prior to returning to the stream as return flows.”
- “Applicant is not seeking transbasin reuse rights and is simply requesting to change the Subject Water Rights back to their originally-decreed uses and to preserve the historical flood irrigation practices that utilized a series of ditches and laterals to apply irrigation water in a sequential manner before it returned to the stream as return flows. Transbasin reuse is prohibited unless pursuant to a future water court decree.”
- “The Subject Water Rights shall be limited to use within the historically irrigated lands depicted on Exhibit A and further defined in Figure 4 and Figure 5 and limited to consumptive use of 298 acre feet of water annually, exclusive of transit losses and evaporative losses.”

(3) Case No. 19CW3174 (Water Division 5) - Application of Williams Fork Valley Ranch, LLC

The Board ratified this Statement of Opposition at its March 2020 meeting. Applicant requested “Surface Water Rights, Storage Water Rights, and Change of Water Right.” 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. CWCB’s stipulation was approved by the Court on July 28, 2022. This case remains pending before the water court Referee.

The CWCB holds instream flow water rights, including the following, in Water Division 5 in the Colorado Headwaters watershed that could have been injured by this application:

Appropriated ISF Water Rights:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
79CW0185	Williams Fork	confl Keyser Ck	confl Williams Fork Res	19 (10/1 - 4/30) 38 (5/1 - 9/30)	05/18/1979
80CW0446	Colorado River	confl Williams Fork R	confl Troublesome Ck	135 (1/1 - 12/31)	07/08/1980
80CW0448	Colorado River	confl Troublesome Ck	confl Blue R	150 (1/1 - 12/31)	07/08/1980
11CW0159, 160, & 161	Colorado River	confl Blue R	confl Cabin Ck	500-900 (Dates Vary)	07/12/2011

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

- “Applicant proposes to change the place of use decreed in Case No. 09CW180 to conform to the as-constructed place of use under Center Pivots 8, 9 and 10 as depicted on Figure 1, attached hereto. The total irrigated acreage under the Upper Grand Creek Ranch Reservoir water right decreed in Case No. 09CW180 may change slightly due to the configuration of the center pivots in use but shall not exceed 240 acres. Any acreage above 240 acres will occur under the Lyman Ditch Second Enlargement, including all acreage irrigated by CP-11.”
- “Applicant will work with the Division of Water Resources to develop accounting that includes each water rights described herein and separately accounts for direct deliveries for irrigation and to storage for subsequent release for irrigation use.”

(4) Case No. 21CW3014 (Water Division 5) - Application of Q4 Snowmass Ranch LLC

The Board ratified this Statement of Opposition at its May 2021 meeting. Applicant requested “Water Storage Right, Surface Water Right, and 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. CWCB’s stipulation was approved by the Court on July 28, 2022. This case remains pending before the water court Referee.

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

Appropriated ISF Water Rights:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
W-2943A (1976)	Snowmass Ck	confl W Snowmass Ck	confl Capitol Ck	12 (4/1 - 10/15)	01/14/1976
W-2943B (1976)	Snowmass Ck	confl Capitol Ck	confl Roaring Fork R	12 (4/1 - 10/15) 11 (10/16 - 3/31)	01/14/1976
85CW0639	Roaring Fork R	confl Fryingpan R	confl Crystal R	75 (10/1 - 3/31) 145 (4/1 - 9/30)	11/08/1985
85CW0646	Roaring Fork R	confl Maroon Ck	confl Fryingpan R	30 (10/1 - 3/31) 55 (4/1 - 9/30)	11/08/1985
92CW0280*	Snowmass Ck	confl W Snowmass Ck	confl Capitol Ck	3 (4/1 - 10/15)	09/15/1992
92CW0281*	Snowmass Ck	confl Capitol Ck	confl Roaring Fork R	10.5 (4/1 - 10/15)	09/15/1992

* Increased

Acquired/Donated ISF Water Right:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
10CW0184 (Div. 5)	Roaring Fork River (from Stapleton Bros Ditch on Maroon Ck)	confl Owl Creek	confl Fryingpan River	0.89 (5/1 - 5/31) 0.59 (6/1 - 6/30) 0.64 (7/1 - 7/31) 0.5 (8/1 - 8/31) 0.4 (9/1 - 9/30) 0.15 (10/1 - 10/31)	06/30/1904

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

- “The Q4 Ranch Ditch will be used to fill and refill, and to provide freshening flows through, the Q4 Ranch Pond No. 1. Out-of-priority evaporative depletions from the Q4 Ranch Pond No. 1 will be replaced by releases from District’s sources of supply in accordance with the summary of depletions and augmentation supply contained in Table 1. In the event of an administered local call on Snowmass Creek or the Roaring Fork River, including a call from the CWCB’s instream flows rights decreed in Cases No. W-2943A (1976), W-2943B (1976), 85CW0639, 85CW0646, in the segment between the confluence of the Fryingpan River and Snowmass Creek, freshening flows delivered to the Q4 Ranch Pond No. 1 will be delivered directly to Snowmass Creek, unconsumed, via the high-level outlet as depicted on Figure 2. Additionally, the water levels in Q4 Ranch Pond No. 1 will be lowered commensurate with evaporation. At such times, if water is not released from the high-level

outlet as depicted on Figure 2, Applicant will curtail all diversions from the Q4 Ranch Ditch. However, if a call is administered for the CWCB's instream flows right decreed in W-2943A (1976) within the segment of stream between the ditch headgate and the flow-through return point at the high-level outlet as depicted on Figure 2, then Applicant shall not operate its freshening flow diversion and will curtail the Q4 Ranch Ditch. Applicant shall not reduce its Water Supply Contract with the District to an amount less than required to meet the augmentation requirements contained in column 4 of Table 1. By way of example only, diversions and releases will be made in accordance with the draft water rights accounting contained in Exhibit B. On both Table 1 and Exhibit B, the out-of-priority estimates are based on historical calls. Future replacement requirements are subject to change because those requirements shall be based on the future call scenarios."

- "The exchange may not operate from time to time due to a call within the reach of the exchange, including a call from the Colorado Water Conservation Board for its instream flow water rights decreed in Cases No. W-2943A (1976), W-2943B (1976), 85CW0639, and 85CW0646. Should the exchange be out-of-priority, Applicant may replace water from the Q4 Ranch Pond No. 1 in sufficient amounts to replace depletions or the plan is no longer operational and any out-of-priority diversions augmented by the plan will be curtailed."
- "Although the July 31, 2020 appropriation date for Applicant's exchange is junior in priority to the CWCB's instream flow water rights decreed in Cases No. 92CW280 and 92CW281, Applicant's Q4 Ranch Ditch and Q4 Ranch Pond No. 1 were in operation in 1991 for their claimed uses at the time of the CWCB's appropriation of its instream flow water rights decreed in Cases No. 92CW280 and 92CW281. Therefore, pursuant to C.R.S. § 37-92-102(3)(b), out-of-priority depletions and the flow-through diversion associated with the claimed uses for the Q4 Ranch Ditch and Q4 Ranch Pond No. 1 will not be curtailed to meet an administered call for the CWCB's instream flow water rights decreed in Cases No. 92CW280 and 92CW281. However, any out-of-priority depletions or diversions greater than those associated with the claimed uses or any other uses are subject to a call from the CWCB's instream flow rights decreed in Cases No. 92CW280 and 92CW281."
- "The subordination of the CWCB's instream flow rights decreed in Cases No. 92CW280 and 92CW281 to Applicant's exchange operations, as discussed above in paragraph 9.B.ii pursuant to C.R.S. § 37-92-102(3)(b), shall not result in a general subordination of these instream flow rights decreed to the CWCB to any other water rights. Further, any enlargements to the fully depleted stream segment starting at the Q4 Ranch Ditch's headgate and ending at the Q4 Ranch Pond No. 1's high level outlet depicted on Figure 2 shall not be subject to C.R.S. § 37-92-102(3)(b) and must be authorized pursuant to a future water court decree."

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. 22CW3016 (Water Division 3) - Application of Wolf Creek Ski Corporation

During the June 2022 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case No. 80CW90 on Pass Creek. This case was resolved with CWCB by a letter agreement, dated August 30, 2022, 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.

“All terms and conditions set forth in the underlying decrees in Case Nos. 87CW7, 96CW36, and 96CW44 remain in full force and effect and are not modified by this [Ruling] [Decree].”

(2) Case No. 22CW3029 (Water Division 4) - Application of Gary W. Gates, Jr and Melissa V. Gates

During the May 2022 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB’s instream flow water rights decreed in Case Nos. 80CW92 on the Slate River, and 83CW228 and 83CW230 on the East River. This case was resolved with CWCB by a letter agreement, dated July 28, 2022, 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.

1. Applicant shall include a map showing the point of diversion of the Gates Ponds Inlet, the point of discharge from the Ponds to the Slate River, and the anticipated location of the inlet and outlet ditches and ponds.
2. Applicant shall include a term stating that unless and until the ponds are augmented by a plan for augmentation that replaces out-of-priority depletions to the downstream calling water right, diversion of water into the ponds shall be curtailed during a downstream call by a senior water right, including a call by one of the CWCB's instream flow water rights decreed in Case Nos. 80CW92, 83CW228, and 83CW230. During such call, any irrigation return flows, surface runoff, or other inflows shall not be stored but rather will be bypassed back to the stream during the time when the ponds are out-of-priority, at which time the ponds will drop commensurate with evaporation.
3. Applicant shall include a term stating that if groundwater is intercepted during construction, the ponds will be lined, or well permits will be obtained. If a well permit is obtained, out-of-priority depletions will be augmented through a contract with the Upper Gunnison River Water Conservancy District, which will require out-of-priority depletions to be replaced at or upstream of the point of depletion.

(3) Case No. 22CW3040 (Water Division 5) - Application of Castle Creek Valley Ranch Lot 15, LLC

During the May 2022 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB’s instream flow water rights decreed in Case No. W-2947 (1976) on Castle Creek. This case was resolved with CWCB by a letter agreement, dated July 28, 2022, 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.

“During times when the Division Engineer administers a call by the Colorado Water Conservation Board for its instream flow rights on Castle Creek (decreed in Case No. W-2947) or the Roaring Fork River upstream of the Fryingpan River confluence (decreed in Case Nos. W-2948 or 85CW646), the pond shall not store new inflow and the pond level shall be allowed to draw-down commensurate with the rate of evaporation during the period of the call.”

(4) Case No. 22CW3046 (Water Division 5) - Application of 15290 Highway 6, LLC

During the May 2022 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB’s instream flow water rights decreed in Case Nos. 80CW124 on Eagle River. This case was resolved with CWCB by a letter agreement, dated July 25, 2022, by which CWCB agreed not to file a Statement of Opposition, provided Applicant incorporates the following terms and conditions into any draft and final decrees and Applicant agrees to not oppose a motion to intervene by CWCB if such terms and conditions are not included.

“When a call senior to the exchange, including a call by CWCB for its instream flow water right decreed in Case No. 80CW124, is placed on the Eagle River below the Brock Well, both the diversions and the exchange will be out-of-priority, therefore water will be released from the River District’s upstream Eagle River Supply to directly replace depletions to the Eagle River.”

(5) Case No. 22CW3051 (Water Division 5) - Application of Roaring Fork Preserve Homeowners Association, Inc.

During the June 2022 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB’s instream flow water rights decreed in Case Nos. 85CW0639 on the Roaring Fork River. This case was resolved with CWCB by a letter agreement, dated August 30, 2022, 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.

“As required by the decree in Case No. 04CW180 on page 13, applicant agrees herein that "at times when the CWCB has placed a valid call that is recognized and administered by the State and Division Engineers for its in stream flow on the Roaring Fork River as decreed in Case No. 85CW639 for 145 c.f.s. from April 1 to September 30 and 74 c.f.s. from October 1 through March 31 with appropriation date of 11/8/1985 Applicant shall either curtail diversions of the Slough Ditch and Banning Lateral RFP Enlargement [into these ponds] or provide full augmentation water to replace out of priority diversions at or above the head gate of this lateral.”



COLORADO

Colorado Water Conservation Board

Department of Natural Resources

1313 Sherman Street
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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 20-21, 2022 Board Meeting

Directors Report: Water Project Loans
Interest Rates

Introduction

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

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

- 1.65% - Agricultural
- 2.35% - Low-income Municipal
- 2.70% - Middle-income Municipal
- 3.05% - High-income Municipal
- 6.00% - Commercial
- 2.00% - Hydroelectric

The standard loan term is 30 years. Rates are reduced by 0.25% for 20-year loans, and by 0.60% for 10-year loans. Rates are increased by 0.25% for 40-year loans.

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





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

DATE: September 20-21, 2022 Board Meeting

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

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

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



Prequalified Project List

BORROWER	PROJECT NAME	APPLICATION DATE	BASIN	PROJECT DESCRIPTION	PROJECT COST/LOAN AMOUNT
Previously Approved Applications					
Sustainable Water Augmentation Group, Inc.	Water Rights Purchase	July 1, 2022	Rio Grande	The Corporation is purchasing two irrigated farm/ranch properties where 39 center pivot irrigation circles will be retired, and surface water rights will be used to replace stream depletions to the Rio Grande caused by groundwater withdrawals of member wells.	\$39,200,000
Total					\$39,200,000



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

BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
South Platte		
NISP Participants	NISP	\$750,000,000
Woods Lake Mutual Ditch Company	Culvert Replacement	\$150,000
Town of Kersey	Water Line Project	TBD
Riverside Reservoir and Land Company	Ditch Rehabilitation	\$250,000
Town of Bennett	Raw Water Tank	\$500,000
Evergreen Metro District	Evergreen Dam Enlargement	TBD
Left Hand Water District	Dry Creek Reservoir	TBD
Shawnee Water Consumers Association	Reservoir Rehabilitation	\$200,000
Boulder and White Rock Ditch & Res. Co.	Reservoir Dredging	TBD
Western Mutual Ditch Company	Reservoir Dredging	TBD
Bergen Ditch and Reservoir Company (*)	Reservoir Rehabilitation	TBD
Louviers Water and Sanitation District	Regional Connection	TBD
City of Fort Collins	Irrigation Ditch Piping	\$20,000,000
City of Fort Collins	Halligan Reservoir Enlargement	\$120,000,000
Northern Colorado WCD	Windy Gap Firming (increase)	\$40,000,000
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
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
Middle South Platte Reservoir Company	New Reservoir	TBD
Arthur Irrigation Company	Ditch Rehabilitation	TBD
Handy Ditch Company	Welch Reservoir Rehabilitation	\$1,000,000
Castle Pines Metropolitan District	Chatfield Water Purchase	\$500,000
Glacier Lake Property Owners	Glacier Lake Outlet Rehabilitation	TBD
Central, City of	Raw Water Pipeline	TBD
Denver, City of	Floodplain Improvement	TBD
Consolidated Mutual Water Company (*)	Reservoir Rehabilitation	TBD
Ogilvy Irrigating and Land Company	Loloff Reservoir Improvements	\$5,200,000
Wadley Farms 3 HOA	Reservoir Rehabilitation	TBD
Loveland Lake and Ditch Company	Reservoir Rehabilitation	TBD
Platte Valley Irrigation Company	New Reservoir	\$3,000,000
Subtotal		\$2,764,100,000



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
Arkansas		
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
Twin Lakes Reservoir and Canal Company	Dam and Tunnel Rehabilitation	\$9,000,000
Colorado City (*)	Beckwith Dam Rehabilitation	\$8,000,000
Oxford Ditch Company	Flume Rehabilitation	\$1,800,000
Fort Lyons Canal Company (+)	Diversion Structure Repair	\$500,000
Aguilar, Town of (‡)	New Augmentation Reservoir	TBD
Huerfano County	Water Rights Purchase	\$1,200,000
Subtotal		\$37,000,000
San Miguel/Juan		
Town of Bayfield	Ditch Piping Project	\$500,000
Redmesa Reservoir and Ditch Co. (*)	Redmesa Reservoir Enlargement	\$11,500,000
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
Town of Naturita	Water Meters	TBD
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
Subtotal		\$22,000,000
Colorado		
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
Gunther Covers	Christenson Dam	TBD
Town of Minturn	New Well Field	\$5,220,000
Flannery Water Company, LLC	Reservoir Rehabilitation	TBD
Fruita, City of	Reservoir Rehabilitation	TBD
Dave Phelps	King Dam Rehabilitation	TBD
Royal Elk Ranch	Ditch Rehabilitation	\$2,000,000
Subtotal		\$7,820,000



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
Gunnison		
Gunnison County Electric	Taylor Park Hydro	\$1,000,000
Duke Ditch Company	Ditch Piping Project	\$400,000
Bostwick Park Water Conservancy District	Dam Construction	TBD
Kendall Reservoir Company	Reservoir Rehabilitation	\$140,000
Orchard City Irrigation District (‡)	Fruit Growers Reservoir Rehab	\$240,000
Ouray, City of	Water Supply Pipeline	\$750,000
Grand Mesa Water Users Association	Reservoir Rehabilitation	\$600,000
Crested Butte, Town of	Dam Outlet Rehabilitation	TBD
Olathe, Town of	Water Meter Replacement	TBD
Lone Cabin Ditch Company	Ditch Rehabilitation	TBD
Subtotal		\$3,130,000
North Platte		
Colorado Parks and Wildlife (*)	North Michigan Creek Reservoir	\$6,000,000
Spicer Ranches, LTD	Reservoir Rehabilitation	TBD
Walden, Town	New Well	TBD
Subtotal		\$6,000,000
Rio Grande		
Manassa Land & Irrigation Co.	Ditch Rehabilitation	\$6,000,000
Baca Grande WSD	Water Rights Purchase	\$1,000,000
Sanchez Ditch and Reservoir Co.	Dam Rehabilitation	\$4,000,000
Rio Grande WCD - Subdistrict #1	Water Rights Purchase	\$5,000,000
Colorado Parks and Wildlife	Alberta Park Dam Rehabilitation	\$4,000,000
La Jara, Town of	System Rehabilitation	TBD
Crestone, Town of	Water Rights Purchase	\$200,000
Rio Grande WCD - Subdistrict #4	Water Rights Purchase	\$1,000,000
Rio Grande WCD - Subdistrict #5	Water Rights Purchase	\$2,800,000
Rio Grande WCD - Subdistrict #3	Water Rights Purchase	\$2,300,000
Trinchera Irrigation Company	Water Rights Purchase	\$2,300,000
San Luis Valley WCD	Water Rights Purchase	\$500,000
Rio Grande WCD	Water Rights Purchase	\$3,000,000
Subtotal		\$32,100,000
Yampa		
Town of Oak Creek (*)	Reservoir Rehabilitation	\$5,600,000
Rio Blanco WCD	Wolf Creek Reservoir	\$100,000,000
Bear River Reservoir Company	Stillwater #1 Dam Rehabilitation	TBD
Marc Etchart	Procter Reservoir Rehabilitation	TBD
Rio Blanco Water Conservancy District	Taylor Dam Penstock Repair	\$3,000,000
Subtotal		\$108,600,000





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Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Rebecca Mitchell, Director

To: Colorado Water Conservation Board Members
From: Kirk Russell, P.E., Finance Section Chief
 Jessica Halvorsen, Program Assistant
Board Meeting: September 20-21, 2022 Board Meeting
Directors Report: Water Project Loan Program, Design & Construction Status Report

The CWCB Loan Program has Substantially Completed (10) projects in Calendar Year 2022 as shown in the Table. There are currently (45) projects authorized to receive loan funding totaling \$328M. There are (39) projects currently under contract and in the Design/Construction phase totaling \$219M. The attached spreadsheet summarizes the status of all loans. A detailed description about each project is provided on the CWCB website under Water Project Loan Program. cwcb.colorado.gov/loans-grants/water-project-loan-program

	Borrower	Project	County	Loan Amount	Complete
1	Central Colorado WSD	Walker Recharge	Weld	\$2,272,500	1/1/22
2	GMS of CCWCD	Walker Recharge	Weld	\$9,847,500	1/1/22
3	WAS of CCWCD	Walker Recharge	Weld	\$3,030,000	1/1/22
4	Huerfano County WCD	Regional Augmentation Project	Huerfano	\$2,666,400	2/1/22 (a)
5	Upper Platte & Beaver Canal Co.	Diversion Structure Replacement	Morgan	\$4,078,215	2/1/22
6	Cedar Mesa Ditch Company	Lower Cedar Mesa Ditch Piping	Delta	\$468,717	6/1/22
7	Grand Mesa Water Conservancy District	Peak Res. & Blanche Park Res. Rehabilitation	Delta	\$466,620	6/1/22 (b)
8	Left Hand Ditch Company	Allen's Lake Filler Canal Improvements	Boulder	\$947,709	6/1/22
9	The Tunnel Water Company	Rawah Ditch Tunnel Rehabilitatio	Larimer	\$1,198,066	6/1/22
*10	Parker Water and Sanitation District	WISE - Phase 2 Infrastructure	South Platte	\$3,418,658	8/1/22
	*included in Director's Report		Total	\$28,394,385	

Calendar Year 2022 has added and preserved 180 acre-feet of reservoir storage; (a) 25; (b) 155





Project Description

Parker Water and Sanitation District (District) has subscribed to 1,200 acre-feet of water on an average annual basis through the WISE Project. The District expects in average and wet years, WISE will deliver an average yield close to 100% of Parker’s water supply and the supply will originate from renewable sources. In dry years, the water delivery losses from renewable sources will be augmented with pumping non-tributary ground water from aquifer storage or from Rueter-Hess Reservoir. The WISE Project is the result of regional cooperative planning between Denver Water Aurora Water and 10 regional water providers in the south metropolitan area. The South Metro WISE Authority WISE Authority is comprised of ten governmental water providers in Douglas and Arapahoe Counties bound together by a 2013 Intergovernmental Agreement. The WISE Project will reduce dependence on non-renewable groundwater resources efforts.

The District lead construction of the 20,300 feet of new 42-inch pipe starting near the intersection of Chambers Road and E-470 and ending at the Parker Water Treatment Plant located just south of Rueter-Hess Reservoir. South from the treatment plant, a 16.5 million gallons per day pump station was constructed followed by 9,000 feet of a new 24-inch pipeline that allows WISE water to be conveyed to Rueter-Hess Reservoir for storage. Facilities are oversized for use by other WISE Authority members.

P R O J E C T D A T A		
<i>Sponsor:</i> Parker Water and Sanitation District	<i>County:</i> Douglas and Arapahoe	<i>Water Source:</i> South Platte River
<i>Type of Project:</i> Water Supply Infrastructure	<i>Board Approval Date:</i> May 2014	
<i>Terms of Loan:</i> 2.75% for 20 years (Original) \$3,418,658.00 (Final) \$3,418,658		
<i>Design Engineer:</i> Jacobs		
<i>Contractor:</i> Glacier Construction; T. Lowell Construction; Garney Construction		

PROJECT						STATUS			
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update	
PROJECT						STATUS			
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update	
1	Amity Mutual Irrigation Company	Queen Reservoir Dam Rehabilitation	Arkansas	CT2021-2224	\$1,333,000	Joshua Godwin	50%	5%	Dam breached. Final design complete and approved by Dam Safety. Hope to bid soon. Construction start projected to be winter 22/23.
2	Arapahoe County Water and Wastewater Authority	Chambers Reservoir Liner Rehabilitation	South Platte	CT2021-0513	\$4,000,000	Kirk Russell	100%	80%	Under construction Aug 2020. Dam Safety fill approval-May2021. Loan increase request May2021 for pump system component. Crane cert. 12/2021, pump delivery-delay until 1/2022, pouring pump pads 12/2021
3	Billings Ditch Company	Billings Ditch Implementation Project	South Platte	CT2022-2886	\$171,000	Cole Bedford	100%	98%	This project is being managed by the Rio Grande Headwaters Restoration Foundation to replace the Billings Ditch diversion structure. A water plan grant for the same project was contracted in October. Construction is complete except for punch list items.
4	Deuel and Snyder Improvement Company	Diversion Structure Replacement	South Platte	CT2020-3562	\$643,000	Cole Bedford	100%	95%	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. A Scope increase will extend the project into Fall 2022.
5	Dove Creek, Town of	Reservoir No. 2	Southwest	CT2022-3321	\$800,000	Cole Bedford	80%	0%	This project will support the Town of Dove creek in constructing a new storage reservoir for municipal supply. The Town also received an \$800,000 WPG for the project. Engineering is currently underway.
6	Duke Ditch Company	Piping the Duke Ditch	Gunnison	CT2017-0915	\$90,000	Matt Stearns	100%	0%	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	Southwest	CT2019-2034	\$1,075,000	Kirk Russell	100%	0%	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	Southwest	CT2021-2890	\$750,000	Matt Stearns	70%	0%	This project is the replacement of a low head dam diversion structure with multibeneficial outcomes. Design work began in the summer of 2021 and is ongoing.
9	Fort Morgan Farms, LLC	Delta Water Storage Phase 1	South Platte	CT2021-2222	\$8,982,000	Cole Bedford	100%	60%	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	Gunnison	CT2019-2848	\$1,729,000	Kirk Russell	100%	35%	Sept 2018 letter from Bureau of Reclamation recvd. Section 1 tunnel work bid pkg Dec2020. Section 2 Tribble - Pipe placement, compaction testing. Section 3&4 Rundle - begin breaking and removal of bedrock. Tribble and Wright placing concrete lining.
11	Genesee Water and Sanitation District	Reservoir No. 1 Enlargement	South Platte	CT2021-2851	\$4,200,000	Cole Bedford	100%	5%	The District was approved for this loan in Sep 2020 and a Water Plan Grant followed in March 2021. Bids were received in June 2021 and were well above expectations. A loan increase request was submitted and will be considered at the September 2022 Board meeting.
12	Glenwood Springs, City of	System Redundancy and Pre-Treatment Improvements	Colorado	CT2021-3104	\$8,000,000	Cole Bedford	100%	25%	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 Grizzley Creek Fire in 2020.
13	Grand Junction, City of	Carson Reservoir Dam Rehabilitation	Gunnison	CT2021-3110	\$4,300,000	Joshua Godwin	100%	40%	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. The Contractor shut down for the winter and re-mobilized in spring 2022.
14	Grand Junction, City of	Purdy Mesa Flowline Replacement	Gunnison	CT2021-2857	\$7,000,000	Joshua Godwin	100%	0%	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. Project is on currently on hold.
15	Groundwater Management Subdistrict of CCWCD	Hokestra Reservoir Purchase	South Platte	CT2020-2248	\$5,390,500	Cole Bedford	100%	75%	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.
16	Groundwater Management Subdistrict of CCWCD	Pioneer Reservoir	South Platte	CT2019-3687	\$8,611,000	Cole Bedford	75%	60%	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.
17	Hidden Valley Water District	Master Water Meter Connection	South Platte	CT2020-2244	\$1,720,000	Kirk Russell	100%	95%	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. Continued water court proceedings by EMD as of 12/2021.
18	Logan Irrigation District	Prewitt Reservoir Rehabilitation	South Platte	CT2021-3898	\$1,563,000	Cole Bedford	100%	98%	This project is installing wave breaks on the upstream face of Prewitt Reservoir Dam. Their installation will allow a storage restriction to be removed. The project is currently under way and the contractors are on site.
19	Lookout Mountain Water District	Lookout Mountain Water District	South Platte	CT2021-3115	\$3,500,000	Cole Bedford	100%	95%	Contractor mobilized and site staging. Construction and dam demolition. RCC dam 100% complete as of 12/21. Spillway and outlet work construction continues.

PROJECT						STATUS			
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update	
20	North Sterling Irrigation District	North Sterling Irrigation District	South Platte	CT2021-3875	\$3,498,000	Cole Bedford	100%	95%	Demolition of the existing structure began in July 2021. The majority of the work is completed. Only the electrical components for the pump house remain to be installed.
21	Ogilvy Irrigating and Land Company	Seely Reservoir Dredging	South Platte	CT2019-2099	\$2,252,000	Kirk Russell	85%	0%	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.
22	Orphan Wells of Wiggins	Kiowa Creek Dam Rehabilitation	South Platte	CT2021-3116	\$373,000	Cole Bedford	100%	85%	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.
23	Redmesa Reservoir and Ditch Company	Redmesa Reservoir Rehabilitation Engineering	Southwest	CT2022-0498	\$183,000	Matt Stearns	60%	0%	This project is to engineer a financially feasible dam rehabilitation, including a potential enlargement. Work began on March 8, 2021 and is now exploring funding options due to significant cost increases. The Company has secured a sponsor and is in the initial review (PIFR) for NRCS' s PL-566 program,
24	Rio Grande Water Conservation District Subdistrict No. 5	Saguache Pipeline	Rio Grande	CT2021-3846	\$4,844,000	Kirk Russell	80%	0%	Working on well owner agreement and Project easement agreements. Mar2022-considering revised pipeline alignment.
25	Root and Ratliff Ditch Company	Ditch Piping and Rehabilitation	Southwest	CT2022-2976	\$300,000	Kirk Russell	100%	95%	Project is nearly complete. All pipe is in place. Final grading and seeding is expected to be done by fall.
26	Southeastern Co Water Conservancy District	Pueblo Dam Hydroelectric Project	Arkansas	CT2018-0833	\$17,220,000	Kirk Russell	100%	98%	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.
27	South Platte Ditch Company	Diversion Structure Rehabilitation	South Platte	CT2022-0424	\$1,440,000	Cole Bedford	100%	98%	The project will replace the South Platte Ditch Company's Diversion Structure. Long-lead-time items have been purchased and delivered to site. Construction is complete and awaiting closeout.
28	Spring Dale Ditch Company	Diversion Structure Replacement	South Platte	CT2020-3110	\$1,210,000	Cole Bedford	100%	98%	This project will replace Springdale's aging diversion structure on the South Platte. All work except the final punch list items are complete.
29	Sunnyside Park Ditch Company	Sunnyside Park Ditch Piping	Arkansas	CT2023-2022	\$648,000	Joshua Godwin	100%	0%	This project will pipe a half-mile length of open ditch along the Arkansas River. The current ditch is threatened by slop instability and also experiences significant water losses to the ground and evaporation. The project also has a WSRF grant associated with it. Construction will take place in the fall of 2022.
30	Trincherea - GMS	Augmentation Pipeline	Rio Grande	CT2022-3040	\$977,000	Kirk Russell	50%	99%	Project is complete. Substantial completion expected in the fall of 2022.
31	Triview Metropolitan District	Stonewall Springs Reservoir Complex	Arkansas	CT2022-3328	\$4,731,000	Kirk Russell	100%	75%	Reservoir under construction and working on pumphouse. Delay on electrical panel likely install Aug2022.
32	Tunnel Water Company	West Half Laramie-Poudre Tunnel Rehabilitation	North Platte/South Platte	CT2019-3706	\$17,080,000	Kirk Russell	100%	99%	Construction was completed in spring of 2022 after delays due to Cameron Peak wildfire. After the '22 irrigation season a warranty inspection found and a large portion of the tunnel lining caved in. This will be repaired in the winter of 22/23.
33	Tunnel Water Company	Headgate Improvements (Wildfire Impact)	North Platte/South Platte	CT2021-3928	\$1,206,000	Kirk Russell	100%	99%	Power supply installation complete. Duperon gate delivery at site. Headgate installation underway. Construction complete. Project final.
34	Victor, City of	Victor Reservoir No. 2 Dam Rehabilitation	Arkansas	CT2021-3873	\$510,000	Kirk Russell	100%	0%	Contractor selected. Constructicon delay until winter of 2023 due to supply delivery schedules. Town removed portion of outlet tower and DWR/Dam Safety issued a fill restriction.
35	Grand Valley Water Users Association	Vinlands Power Plant	Colorado	CT2022-2084	\$778,011	Matt Stearns	100%	80%	This project will replace the existing hydroelectric powerplant. Contractor mobilized November of 2021 and construction is progressing as expected. Contractor has received all materials, completed site work, and is installing power generation equipment. Powerplant will start producing power (1.8 MW) in October 2022 via a temporary interconnect with Xcel Energy, and will be fully operational in May 2023 via a permanent interconnect.
	Orchard Mesa Irrigation District			CT2022-0892	\$853,912				
36	Wiggins, Town of	Wiggins Recharge Facility at Glassey Farms	South Platte	CT2018-0892	\$2,385,000	Cole Bedford	100%	0%	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.
37	Windy Gap Firming Project Water Activity Enterprise	Windy Gap Project (Chimney Hollow Reservoir)	South Platte	CT2021-2039	\$89,108,911	Cole Bedford	100%	20%	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. The project is well underway, but has not drawn on the loan yet.
	Cottonwood Water and Sanitation District			CT2015-0105	\$1,116,000				Binney Connection Pipeline of Water Infrastructure and Supply Efficiency project will increase WISE flow capacity to 30MGD and provide infrastructure from

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
38	Inverness Water and Sanitation District	South Platte	CT2015-0119	\$1,413,000	Kirk Russell	100%	90%	Aurora Binney Facility to SMWSA. Pumps/Treatment-Glacier, Pipeline/Infrastructure-T.Lowell, Jacobs is Engineer. Vault excavation began 9/2020. Construction trailer onsite through project duration. Glacier complete foundation work, pump cans have been delivered and installed, pump motors have arrived at the pump manufacture, preliminary SCADA meetings begun, Glacier starting to form rebar for the flow control building, start laying pipe. Precast concrete walls for pump station complete.
	Pinery (Denver SE Water and Sanitation District)		CT2015-0086	\$1,413,130				
	Cottonwood Water and Sanitation District	South Platte	CT2015-0104	\$363,600	Kirk Russell	80%	60%	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.
39	Inverness Water and Sanitation District		CT2015-0120	\$450,000				
	Parker Water and Sanitation District		CT2015-0110	\$1,089,000				

TOTAL UNDER CONTRACT \$219,300,064

APPROVED PROJECTS, NOT CONTRACTED

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
1	Taylor & Gill Ditch Company	South Platte	CT2023-XXXX	\$125,000	Cole Bedford	0%	0%	This project will replace 1,000 feet of open ditch with a buried pipe. Contracting documents are dated and need redone.
2	Southeastern Colorado Water Conservancy District	Arkansas	CT2023-XXXX	\$90,000,000	Cole Bedford	0%	0%	September 2022 Feasibility Study to CWCB per SECWCD. Likely Jan2023 CWCB presentation.
3	Breckenridge, Town of	Colorado	CT2023-XXXX	\$13,000,000	Cole Bedford	100%	50%	Projects Bill
4	Grand Junction, City of	Gunnison	CT2023-XXXX	\$3,200,000	Joshua Godwin	0%	0%	
5	Grand View Irrigation Company	Arkansas	CT2023-XXXX	\$350,000	Joshua Godwin	100%	90%	
6	Prewitt Reservoir Rehabilitation	Washington and Logan	CT2023-XXXX	\$1,831,000	Cole Bedford	0%	0%	

NOT UNDER CONTRACT SUB \$108,506,000

GRAND TOTAL \$327,806,064

**WATER PROJECT COSTRUCTION LOAN PROGRAM
LOAN REPAYMENT DELINQUENCY REPORT
LOAN FINANCIAL ACTIVITY REPORT
September 2022**

LOAN REPAYMENT DELINQUENCY

Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2022 through August 2022. 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 2023 totaled 51. All borrowers’ payments are current.

LOAN FINANCIAL ACTIVITY

Loan Financial Activity relative to the Water Project Construction Loan Program for Fiscal Year 2023 is summarized as follows: Funds received relative to loans in repayment totaled \$6.1M for this year. Funds disbursed relative to new project loans totaled \$405K for this year. Net activity resulted in \$5.7M 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 \$1.1M in receivables and \$65K in disbursements for a total net activity of \$1M received over disbursed. The STPBF consists of \$5M in receivables and \$339K in disbursements for a total net activity of \$4.6M received over disbursed.

CONSTRUCTION FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2022	\$ 371,761	\$ 209,062	\$ 580,823	\$ 10,320	\$ 570,503
August 2022	\$ 322,747	\$ 234,519	\$ 557,266	\$ 55,449	\$ 501,817
FY 2022 Totals	\$ 694,508	\$ 443,581	\$ 1,138,089	\$ 65,769	\$ 1,072,320

SEVERANCE TAX TRUST FUND PERPETUAL BASE ACCOUNT

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2022	\$ 90,797	\$ 34,336	\$ 125,133	\$ 5,644	\$ 119,489
August 2022	\$ 3,870,987	\$ 1,026,365	\$ 4,897,352	\$ 333,891	\$ 4,563,461
FY 2022 Totals	\$ 3,961,784	\$ 1,060,701	\$ 5,022,485	\$ 339,535	\$ 4,682,950

GRAND TOTALS	\$ 4,656,292	\$ 1,504,282	\$ 6,160,574	\$ 405,304	\$ 5,755,270
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