



COLORADO

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

DIRECTOR'S REPORT

March 2023

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
Rosie Major

DATE: March 15-16, 2023

SUBJECT: **Agenda Item 7b, March 2023 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. Platte Valley Irrigation Company – Equalization Reservoir (\$6,135)

Total funds approved for feasibility study grants in FY22/23: \$6,135

Colorado Weather Modification Program – In October of 2022, CWCB renewed weather modification permits for the Gunnison, North Platte Aerial, and Central Colorado Mountain River Basin programs. CWCB also issued a new permit for the St. Vrain and Left Hand Program, the first weather modification program on the Eastern Slope. The St. Vrain and Left Hand Program will initially have two remote generators supplied by the North American Weather Consultants. Colorado also received \$443,500 from the Lower Basin states for WY22-23 as part of the Agreement Establishing Programmatic Funding for the Colorado River for Colorado River Basin Weather Modification. During December for 2022 Colorado experienced some of the most prolific seeding on record. *(Andrew Rickert, Erik Skeie)*

Local Capacity and CWCB Technical Assistance Grants Director's Report – March 2023

LOCAL CAPACITY GRANTS:

H.B. 22-1379 established \$2.5M for Local Capacity Grants. The following table summarizes Local Capacity Grant activity through February 28, 2023.

<u>Pending Applications</u>			
Applicant	Project	Total Project Budget	Grant Request Amount
Ute Mountain Utes Tribal Government	Pre-Development Work (PL-566)	\$70,000	\$52,500
American Rivers	Wetland/Riparian Projects in the San Luis Valley	\$241,000	\$180,000
Total:		\$311,000	\$232,500
<u>Approved Applications</u>			
Applicant	Project	Total Project Budget	Grant Award

Colorado River Water Conservation District	Colorado River Drought Response Project	\$578,840	\$434,130
Colorado Rio Grande Restoration Foundation	Rio Grande Basin Capacity to Secure Federal Project Funding	\$268,800	\$195,000
Collbran Water Conservation District	Plateau Valley Pre-Development Work (PL-566)	\$70,000	\$52,500
West Divide Water Conservancy District	Martin Reservoir Enlargement and Reconfiguration	\$315,906	\$118,464
Total:		\$1,233,546	\$800,094

CWCB TECHNICAL ASSISTANCE GRANTS:

H.B. 22-1379 established \$2.5M for CWCB Technical Assistance Grants. CWCB has contracted with Abt Associates to provide wide-ranging assistance to communities and water managers across Colorado as they develop federal grant applications for projects with a nexus to the Colorado Water Plan. CWCB is in the process of finalizing Technical Assistance Grant Program processes and practices and hopes to make the program available to the public later this winter.

COLORADO RIVER BASIN

COLORADO RIVER WATER USE—

2023 Colorado River Storage as of February 26, 2023			
	Elevation (feet above mean sea level)	Storage (MAF)	Percent of Capacity
Lake Mead	1,047.22	7.483	29%
Lake Powell	3,521.13	5.325	23%
Total System Active Storage		18.942	32%
2023 Total Active Storage		21.519	36%
		Flow (MAF)	Percent of Average
Forecasted Unregulated Inflow into Powell (Forecasted Water Year 2023)		10.398	108%

*Note MAF = million acre-feet

Wild and Scenic Fund

Upper Colorado River Wild and Scenic Stakeholder Group

The Upper Colorado River Wild and Scenic Stakeholder Group (SG) continues to hold regular meetings and all committees continue to work towards implementing the alternative management plan. At the January 20, 2023 meeting, the SG approved documents related to incorporation, but will not incorporate until after litigation is resolved for the Gross Reservoir Project. The SG also approved publishing RFPs for drone, sediment, and cross-section surveys, which are part of the channel maintenance monitoring plan. The SG is evaluating the 2022 ORV Indicators and Resource Guides. At the March SG meeting, the group will make decisions about co-chairs, and approve the 2022-2023 budget and monitoring plan.

Lower Dolores Plan Working Group

Different stakeholder groups have been working on the Lower Dolores River for decades. The most recent group (Lower Dolores Plan Working Group) has an agreement with BLM to not find portions of the Lower Dolores River eligible for Wild and Scenic designation if legislation is enacted to create a National Conservation Area (NCA). In addition, this agreement includes a commitment to work to improve native fish habitat through the Dolores River Native Fish Monitoring and Recommendations Team (M&R Team).

Fort Lewis College is assisting the M&R Team in conducting a number of monitoring efforts on the Dolores River. They have already received a WSRF Grant for \$165,617 but recently submitted an application for the Wild and Scenic fund to assist with coordination, additional monitoring, and analysis of native fish migration patterns. This request is for \$73,565. CWCB staff will review the application and make a determination about the use of the fund for these tasks.

WATERSHED AND FLOOD UPDATES

Wildfire Ready Watersheds (WRW) Update

Since the WRW program launch in January, the CWCB has received one application for development of a Wildfire Ready Action Plan (WRAP). Staff is also supporting stakeholders in the Southwest, South Platte, and Colorado basins who are actively working on WRAP applications. Staff will continue outreach across the state to educate stakeholders about CWCB opportunities in the Wildfire Ready Watersheds program.

The current applicant is Colorado Springs Utilities (CSU). CSU has requested \$173,000 for a North Slope and Northfield Pre Post-Fire Mitigation Planning Project. The application proposes to develop a pre-post-fire mitigation plan for the specified North Slope and Northfield watersheds which are operationally critical to providing over 80% of CSU's terminal storage for water treatment and distribution to the City's public water supply, five military bases, and other communities served. The pre-post-fire mitigation plan is predicated over ten years of progressive watershed wildfire risk modeling that incorporates a multitude of risk-based factors inherent to the respective landscapes, operational importance, and both infrastructure and land ownership. Recent modeling efforts have further refined outputs to generate peak flow and debris yields relative to wildfire risks based on HUC level 7 basins within the targeted watershed areas established for this project.

The intent of this planning effort is to maximize the modeling data to develop a pre-post-fire plan to best determine post-fire mitigation treatments and techniques to minimize post-fire flooding impacts in all drainages with a high probability of direct discharges into these critical terminal storage reservoirs under anticipated burn severity given current forest conditions based on a 2 and 5 year post fire storm event(s). Understanding of these discharge values and watershed characteristics, it is the goal of this project to best identify the most effective mitigation treatments to minimize erosion, improve sediment retention from hill slope and channel erosion. The development of the plan will help to further prioritize pre-fire mitigation projects, evaluation and improvements at critical road and pipeline creek crossings as well as having a sound on the shelf plan that will be vital to accessing post-fire funding for these municipally owned lands managed by CSU. Additionally, the plan will serve as a template to support cross boundary agencies with post-fire flow data as well as coordination of treatments in effort to protect life, safety, and numerous high valued assets at risk.

-Chris Sturm

Colorado River Health Assessment Framework (CoRHAF): Agency Action 3.1

With the adoption of the 2023 Colorado Water Plan, the CWCB has adopted 50 agency action items. CoRHAF is action item 3.1, in the Thriving Watersheds action area of the plan. This action item outlines needs from various stakeholders when wanting to undertake a river health assessment. To meet these needs, the CWCB will develop a guidance document and workbook that will help stakeholders work through the initial phases of developing a comprehensive framework. This concept was already presented at a River Network stream management planning peer group workshop. Critical feedback, input and new ideas have already been received. This agency action item is ready to move into development. In order to develop this to the highest of standards, the CWCB will partner with multiple contractors who are well versed in Colorado's streams and the requirements necessary to provide

robust health assessments for the wide range of metrics that stakeholders may be interested in. The two lead partners on the development of CoRHAF will be Johnson Environmental Consulting and Lotic Hydrological. The main goals for this team will be to develop the Guidance document, develop the Workbook, then engage with stakeholders and peers through workshops and trainings. This will allow for final adjustments before the release of the first version of CoRHAF. The intention is to keep these documents “living” in that they will be continually edited and updated to stay current with changing sampling methods and the needs of stakeholders.

(Steve Reeves)

The Letter of Map Revision (LOMR) Review Partners Program

The CWCB LOMR Review Partners Program continues to 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 67 cases in process with ongoing cases in Boulder, Clear Creek, Chaffee, Douglas, El Paso, Elbert, Garfield, Gilpin, Grand, Jefferson, Larimer, Montrose, Prowers, Pueblo, San Miguel, Sedgwick, Summit and Weld Counties.

March 2023 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, Sedgwick, Larimer, Lincoln, Logan, Morgan, Park, Phillips, and Weld Counties have ongoing Risk MAP studies. Ongoing CWCB studies within the South Platte basin are as follows:

- Park County Phase 2: Phase 2 (Data Development) is underway. Our Contractor is working on hydrology development.
- Logan County: A Phase 2 kickoff meeting is expected to occur in the coming weeks. The County has been on NFIP probation and is on track to get suspended from the program in March. The County’s NFIP status will not impact progress for the Risk MAP project.
- Adams and Arapahoe Counties: The draft BLE modeling and mapping are complete for both counties. Together, CWCB and MHFD held virtual meetings with the Adams communities on January 18th, and with Arapahoe communities on January 26th. For portions of the counties outside the MHFD, BLE data will continue through the Risk MAP process being implemented in other counties across the state. Draft BLE data developed within the Denver Metropolitan Area

have been provided to MHFD and will not be studied further by CWCB. MHFD will use the data for informational purposes and other uses within the service area. We are planning to hold Risk MAP Discovery meetings for both counties in the next month or two.

- Morgan County BLE: We have submitted the final Discovery packet to FEMA and will be scheduling a Phase 2 kickoff meeting in the coming weeks.
- Weld Countywide: A countywide BLE/Discovery effort will be starting soon for flooding sources that weren't recently updated with the CHAMP project (summarized below). A kickoff meeting with communities will be held in the next few months.
- Colorado Hazard Mapping Program (CHAMP) Physical Map Revisions (PMRs): The CWCB was able to leverage funds from FEMA to continue moving several CHAMP studies through the FEMA regulatory process. CHAMP involved analyzing major streams across various Colorado counties and includes over 200 FIRM panel updates. Three remaining counties are being completed within the South Platte Basin. These include Boulder, Weld, and Larimer Counties.
 - Boulder County PMR: This PMR is still on hold. The National Institute of Building Science (NIBS) had created a Scientific Review Panel (SRP) to consider the supporting documentation associated with an outstanding comment (received during due process). A meeting with the SRP was held on September 28, 2022. The recommendation from the SRP regarding further action was provided in late 2022. We will be working with FEMA and their Contractor to revise a portion of the hydraulic analysis along Left Hand Creek through the area of concern. To minimize further delays to the ongoing PMR, the two FIRM panels impacted by the restudy will be removed from the rest of the PMR FIRM panels. These two panels will go through another round of review, approvals, etc. and follow a Letter of Map Revision (LOMR) process parallel to the Boulder County PMR. Remaining PMR FIRM panels will continue through a revised preliminary process around July 2023. Both Boulder County and the City of Longmont (affected communities in/near the revision area) have been included in the decision-making process and are in agreement with the approach.
 - Weld County PMR: The final PMR products were submitted in August 2022, but the previously anticipated Letter of Final Determination (LFD) date of October 19, 2022 was delayed. Multi-county community issues have been addressed and we expect the new LFD date to be around May 30th, 2023. The revised Flood Insurance Study (FIS) and Flood Insurance Rate Maps (FIRMs) will go effective six months after the LFD has been issued. Four FIRM panels impacting the City of Longmont will be removed from the Weld County PMR, allowing the countywide study to move forward. The Longmont panels will move forward with a parallel PMR.
 - Larimer County PMR: Due process for this project has ended and there were several comments/appeals received. CWCB is currently coordinating with FEMA on resolving the remaining outstanding issues.
- Phillips County Phases 2-3: The Community Coordination Officer (CCO) meeting and Public Meeting were held in the City of Holyoke on October 19, 2022. The 90-day appeals/comment period is expected to start March 29, 2023.
- Phillips Countywide: We held the countywide Discovery meeting in January 2023 and communities are reviewing and providing comments on the deliverables.

- Sedgwick County: A countywide BLE/Discovery effort will be kicking off for flooding sources that weren't recently updated with the CHAMP project. A kickoff meeting with communities will be scheduled in the near future.

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. A revised preliminary FIRM distribution was required to provide communities the opportunity to formally review the revisions over a 30-day period, and this revised preliminary distribution was sent out on December 29, 2022. We are working to schedule the Consultation Coordination Officer (CCO) and Public Meetings in the coming weeks.
- Garfield County Phase 2-3: Survey information has been collected for all of the accessible properties. The contractor and community are working to gain access to a few remaining properties. FEMA approved a change in the hydrology methodology to account for the high snowmelt impacts to the gage data for this watershed. Hydraulic analyses are being performed for various streams.
- Summit County BLE/Phase 2: First part of the survey is complete. Remaining survey collection is weather-dependent. Received additional data from the Town of Silverthorne (stormwater master plan) for use in study refinement. Based on the additional information, we have worked with the Town to replace one of the streams originally scoped for enhanced study to another flooding source that has a higher Town priority. Scope of work revisions are underway. Hydrology is being developed for other portions of the county.

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

- Delta County Phase 2-3. Working on addressing FEMA review comments for mapping. prior to resubmitting for FEMA's QR3 review (Gunnison River updates, etc.). The schedule for issuing the preliminary mapping products is being revised and will be shared soon. To address an existing gap in flood hazard data between Minnesota Creek and the North Fork of the Gunnison River, CWCB will be providing a state-funded revised study and subsequent LOMR along Minnesota Creek through the Town of Paonia. This will address the current gap in preliminary mapping and will provide updated flood hazard mapping as requested by the County and Town. CWCB is reviewing the additional scope.
- Ouray County PMR: The start of the mandatory 90-day appeal and comment period began on December 29, 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. We have not received any comments or appeals to date. Appeal date will end in late March 2023.
- Ouray Countywide BLE: A countywide BLE/Discovery effort will be starting soon. A kickoff meeting with communities will be scheduled in the coming months.
- Gunnison County PMR: Hydraulic modeling had been approved by FEMA; however, the communities requested consideration of a non-certified embankment/dam structure that will impact the hydraulic results. CWCB is working with communities as they address options for

certifying the existing embankment to ensure it can be credited with providing flood protection. Floodplain mapping submittals will take place once there is a path forward regarding this existing berm. We are also coordinating with FEMA on proposed shallow flooding floodplain zones for certain areas through the Town of Crested Butte. Once approved by FEMA, the approach may be used in other Counties as well.

- Gunnison Countywide BLE: Phase 2 kickoff meeting with communities took place on 1/17/23 to discuss the next steps in the Risk Map process and go over the detailed study reaches proposed. We are currently waiting to get concurrence from communities on the proposed path forward by 2/28.

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

- Alamosa County BLE: Communities have reviewed materials from the project kickoff meeting. Next steps include developing BLE and draft mapping data for the Phase 1 study which we expect to be ready later this year. We are working with the City of Alamosa and FEMA, as the City considers certification for portions of the existing levee system.
- Costilla County Phase 2-3: Our Consultant is using the new high-resolution LiDAR data from the 2020 San Luis Valley acquisition to develop revised flood hazard information for remaining segments of effective flood hazard areas. A revised preliminary distribution of the updated FIRM panels will take place before the project moves forward. Generating the updated/new FIRM panels is expected to take several months. We are waiting for a new scope of work and subsequent contract to cover Phase 2 data development for the remaining stream reaches.
- Mineral County/City of Creede LOMR: The Willow Creek LOMR for the certification of the existing levee in the City of Creede has been issued. This LOMR allows flood hazard mapping to reflect the levee providing flood protection for portions of the community. Mineral County preliminary distribution took place on January 13, 2023 and now that the 30-day review period is up, we are preparing to hold the CCO and Public meetings.

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: Hydraulic modeling along Georgia Gulch is moving forward. Next steps include submitting the hydraulics to FEMA for approval and progressing with the floodplain mapping. We are also coordinating with FEMA on proposed mapping for shallow flooding areas along Georgia Gulch. We anticipate a path forward in March. ,
- Chaffee County Phase 2: Field survey complete. Wrapping up hydrology development. We are discussing the Chalk Cliffs area with FEMA. We will work with communities on acceptable options for updating the effective floodplain mapping for the debris flow hazard areas. This will result in the area having updated mapping based on the latest data and current risk conditions.
- Custer County BLE: Phase 2 Kickoff materials are being prepared for an anticipated meeting in the coming month. We are waiting on issuance of the task order for this phase of the project.
- Pueblo County BLE: The Phase 2 scope of work has been finalized. The City of Pueblo has requested a potential Mitigation Technical Assistance project to further analyze risk around a local ditch. The Pueblo pre- levee assessment work is on hold. FEMA has requested we propose

revisions to the language and level of detail that will be included with these assessments to stay within the limited extents of FEMA's authority relative to levees.

- Huerfano County Phase 2: Our Contractor finished revising the BLE hydrology and hydraulic analyses based on a modified hydrology approach approved by FEMA. We are now wrapping up detailed hydraulic modeling for the Phase 2 scoped streams. Flood Risk Review meeting coming in the new month or two.
- Bent County: This project is on hold as CWCB and FEMA allow the levee sponsors to work towards completing the Arkansas River South Levee analysis and certification. The existing levee has previously provided flood protection to the City of Las Animas and portions of unincorporated Bent County. The levee sponsors have retained a contractor to obtain certification and accreditation for the levee to be reflected as providing flood protection in the Bent Countywide Risk MAP study. CWCB, FEMA, and USACE will continue to coordinate and support the communities and levee sponsors as progress toward levee certification continues. CWCB has provided state funding to develop an Emergency Preparedness Plan and Interior Drainage Analysis for this levee. The EPP is anticipated to be provided to CWCB for review in the near future. Both of these products will be included by the levee sponsors as part of the levee certification package. CWCB will also assist with a one-time funding for the geotechnical evaluation that will allow the sponsor to identify the level of effort associated with the pursuing levee certification. Otero County: The floodplain mapping along the Arkansas River was approved in mid-November and we're working on drafting the Flood Risk Database before holding the Resilience Meeting with the communities.
- El Paso Phase 2 and Templeton Gap (T-Gap) Levee: Data Development continues for updated hydrologic data and hydraulic modeling for the El Paso countywide Risk MAP study. CWCB is working with the communities to review, leverage, and incorporate (where possible) existing hydrology updates for areas being studied on a number of flooding sources. CWCB's Risk MAP team is also in coordination with the LOMR Review Partners Team to preserve consistency in discharges and hydraulic modeling approaches for ongoing and proposed projects underway within the communities. The study will include results from the Templeton Gap pre-levee analyses. The levee is not certified, and our team is working with the City of Colorado Springs, the USACE and FEMA on updated mapping for this area. A meeting was held with these stakeholders on February 12th, and we are awaiting responses from City staff before proceeding with the Levee Analysis and Mapping Procedure (LAMP) process for the T-Gap levee.
- Las Animas County Phase 2: CWCB has been working with the communities and the contractor to determine the scope of additional detailed hydraulic analyses and mapping (Zone AE) required for additional flooding sources. We will be repurposing FEMA FY22 grant funds originally identified for Phase 3/4 work to help cover the additional data development costs. Survey efforts are ongoing for the detailed study reaches.
- Fremont County Phase 2: We are currently developing the detailed hydraulic models needed for the Phase 2 analysis and mapping of specific flooding sources. Floodway development is also taking place.
- Prowers County Phase 2: Contractor working on hydrology and hydraulics for the additional detailed stream miles requested by communities. 2D floodway development is underway.

- Towns of Granada/Holly/Lamar (Prowers County) Pre-Levee assessments: The Lamar LAMP is in progress. Will use recent interior drainage information to move forward. Emergency Preparedness Plans (EPPs) for Holly and Granada were sent to the CWCB for review (2/10). The EPPs for Lamar will be provided to CWCB for review in late February. Interior drainage – analysis is complete for Holly/Granada/Lamar and the corresponding reports are being finalized.
- Kiowa County: A countywide BLE/Discovery effort will be initiated for all flooding sources within the county. A kickoff meeting with communities will be scheduled in the near future.
- Baca County: A countywide BLE/Discovery effort will be initiated for all flooding sources within the county. A kickoff meeting with communities is being scheduled for early March.
- Crowley County: A countywide BLE/Discovery effort will be initiated for all flooding sources within the county. A kickoff meeting with communities will be scheduled in the near future.

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

- Moffat County: Hydraulic models for specific flooding sources have been approved by FEMA. We are coordinating with FEMA on proposed shallow flooding zones for certain areas within the City of Craig.

Dolores/San Juan Basins – La Plata, Dolores, Montezuma, Archuleta, and San Juan Counties, along with the Southern Ute Indian Tribe (SUIT) and Ute Mountain Ute (UMU) Tribe nations, have ongoing studies.

- Animas Watershed Phases 3-4 (La Plata, San Juan, Archuleta, and the SUIT): La Plata County - Letter went out to Ignacio and La Plata County on requirements for updating floodplain maps and are awaiting a response. No revised flood hazard mapping information will be included for tribal nations where FIRM panels are being updated for the La Plata County communities. The potential LFD date will be in September 2023. Revised preliminary panels will be provided for community review around May 2023. Archuleta County – LFD date is being determined. We are coordinating with FEMA and contractors to finalize mapping and get an LFD date established. San Juan County – LFD took place on Nov. 9 and mapping will become Effective May 5, 2023.
- Southwest Colorado (Montezuma, Dolores, San Juan, La Plata, Archuleta, Hinsdale, Mineral Counties and the SUIT and UMU Tribes) BLE: Our Contractor submitted BLE and the Discovery deliverables for FEMA review and approval. Due to the large size of the submittal information, we expect a few more weeks of review time. The scope of work will be finalized for detailed study areas once Phase 2 kickoff meetings take place with communities in the next few months.

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

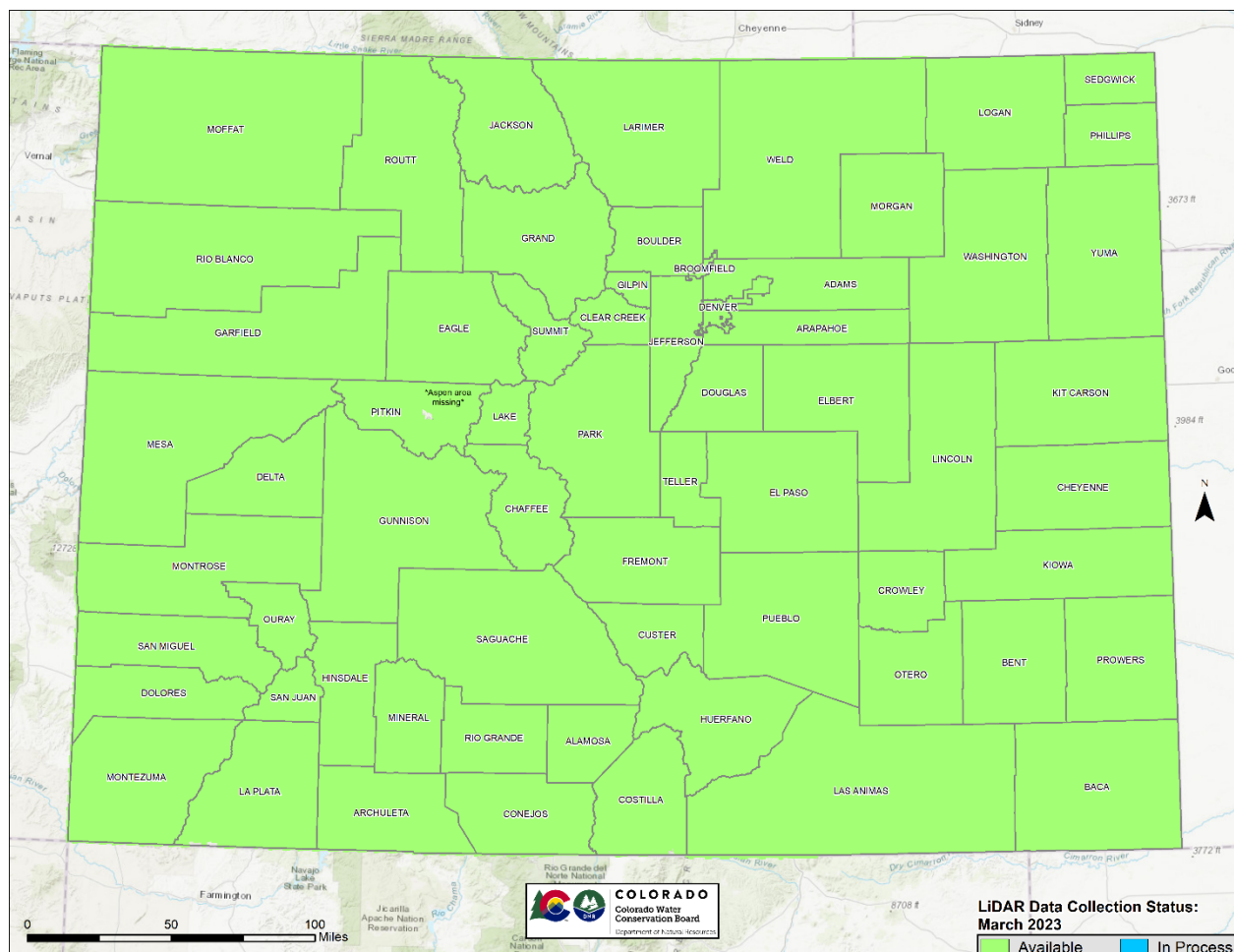
- Elbert County: Phase 2 (Data Development) is underway. Working on hydrology development.
- Mesa County Phase 2: Surveying complete. Hydraulics for the Colorado River did go out for review on 1/30. Rest of countywide flood hazard mapping will go out for review in late March. Hydrology review comments from FEMA are being addressed and resubmitted. As a result of recent discussions with the City of Grand Junction, hydrology for Indian Wash will be updated to adequately reflect an existing flood control structure.

- 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. CWCB 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. We also plan to present this project at the annual Association of Stormwater and Floodplain Managers conference. The conference will take place in North Caroling in mid-May.
- Hinsdale County/Lake City Partial Countywide: 90-day appeal and comment period began Feburary 10th. No comments/appeals have been received to date.
- Hinsdale Countywide BLE: We are waiting for the task order to allow our Contractor to begin working on Phase 2 (Data Development). A Phase 2 kickoff meeting with communities is anticipated in the coming months.
- Teller County Phase 2: Contractor is completing the hydrologic analyses for Trout Creek and Fountain Creek. Additional analysis performed was to verify/updated flows generated from the initial hydrologic analyses. Results will be provided to CWCB in a few weeks for review. We will coordinate with impacted communities and adjacent counties on concurrence. Then we will be able to finish the corresponding hydraulic analyses.
- San Miguel Countywide BLE: A countywide BLE/Discovery effort will be starting soon. An in-person kickoff meeting with communities will be scheduled in the coming months.
- Lincoln Countywide: A countywide BLE/Discovery effort has begun for flooding sources not included with the ongoing PMR revisions (summarized below). The contractor is working on developing the terrain model and will move on to BLE development. A kickoff meeting with communities was held January 31, 2022.
- 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: This PMR has been on hold for two years pending as-constructed data from the Town of Telluride for the Valley Floor Restoration project. The Valley Floor Restoration project completely re-aligned the San Miguel River to its historic location through open space areas west of the Town. The dramatic changes along the San Miguel River resulting from the project are being revised with a LOMR on the effective FIRM and FIS information. Once the LOMR has been issued, the project data will be incorporated into the updated San Miguel River hydraulic analysis and flood hazard mapping for the PMR. CWCB will coordinate with San Miguel County communities through in-person meetings to wrap up the Data Development (Phase 2) before moving forward with development of preliminary products (Phase 3).

- Lincoln County Phases 2-3: Preliminary products were distributed on September 29, 2022. The CCO meeting and Public Meeting took place on December 5, 2022 and we're moving forward with the Federal Register publication (should publish in March). The following appeal process provides communities and property owners 90-days to review, comment on, or appeal preliminary flood hazard products. The appeal start date is tied to the Federal Register publication, so the start date is yet to be determined.
- Saguache County: Floodplain mapping has been approved by FEMA for all areas submitted outside of the Town of Crestone. The Town has significant alluvial fan considerations that will need to be addressed separately. Once a path forward has been determined, hydraulic analysis and flood hazard mapping for the Town will resume. We are working on generating flood risk products for the areas outside the Town. A resilience meeting is to take place in the coming weeks.

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. As of late February 2023, statewide LiDAR coverage is complete (with the exception of a small area in Pitkin County surrounding the Town of Aspen).

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



Stream Management Plan Outcome Tracking Statistics

Stream Management Plans (SMPs) have netted numerous benefits for Colorado communities. Coalitions of river users and advocates are building better knowledge of their river’s condition, expanding the number of people involved in decision making, developing expertise in river science, hydrology, and recreation management, and implementing good ideas to protect and improve rivers. To assist the CWCB in tracking the implementation of SMP recommendations, staff is implementing the SMP Outcome Tracking Tool. The tool is designed to help staff know whether and how the funding we are providing for SMPs is making progress in implementing Colorado’s Water Plan and to make it easier for the CWCB and others to track the outcomes of SMPs. The CWCB is now requiring the population of this tool as a part of its grant reporting requirements for SMP and Integrated Water Management Plan (IWMP) project grantees.

For each project identified, the SMP Outcome Tracking Tool output contains information related to primary project type/purpose, additional project benefits, a project overview narrative, project location information, project contact details, project funding and cost data, and project status. Grantees are asked to complete the tool upon completion of their SMP/IWMP and annually. Each year, the SMP statistics will be updated to show how these planning efforts are resulting in implementation projects throughout the state. To date, the CWCB has spent approximately \$2.6 million on SMPs, which is only 1.6% of the resulting \$280 million worth of implementation projects.

The figures below include recommendations from 13 SMPs that have completed the SMP Outcome Tracking Tool. There are three additional SMPs that are completed and that do have project recommendations pending that will soon be included in our reporting, and there are upwards of ten additional SMPs that are underway.

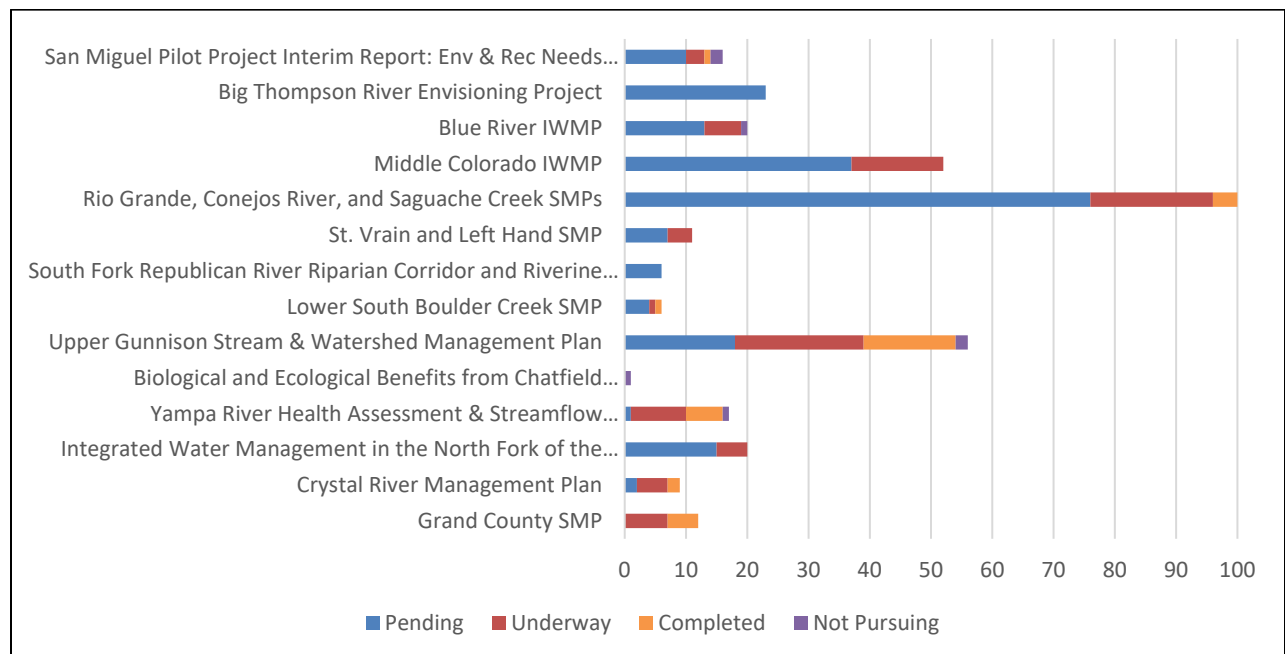


Figure 1: Implementation project status by

WATER SUPPLY PLANNING SECTION UPDATES

March 2023 Directors Report WSP & OWC

Director Report Paragraph:

With the launch of the 2023 Colorado Water Plan there are numerous projects already underway that advance the implementation including roundtable and board funded initiatives. Staff are also advancing efforts that support the Water Plan including:

- Holding a May 31- June 1 Drought Summit and working to develop a November Colorado 9 Roundtable (C-9) Summit to help align IBCC, roundtable and board discussions and collaboration.
- Developing the Governor's Urban Landscape Conservation Task Force with an April 20 kick-off meeting to help explore practical, informed approaches to advance action 1.7 in the Water Plan.
- Processing Turf Replacement Program applications as the close of its first round of applications are due on March 31. The Colorado Water Loss Initiative continues to advance with 75 utilities registered.
- Advancing a statewide water loss committee to help institutionalize water loss control and management across the state. Denver has been chosen as the site for the next North American Water Loss conference on December 5-7, 2023.
- Presenting to the Water and Land Use Planning Alliance on February 22, 2023 to examine ways to integrate their work with the newly released Water Plan.
- Working with CDA, staff will be presenting on resilient agriculture to the National Conference of State Legislatures on March 31.

Water Supply Reserve Fund Grants Director's Report – March 2023

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 CWCBC Director, Rebecca Mitchell, for approval.

Basin	Applicant/Grantee	Name of Water Activity	Basin(s) Account Request	Total Request	Staff Funding Recommendation
Metro	Agriculture Ditch & Reservoir Company	Water System Upgrade Planning & Implementation	\$37,500	\$62,500	\$62,500
South Platte			\$25,500		
Metro	Ken Caryl West Ranch Water District	Ken Caryl West Ranch Water District Engineering & Design Phase 2 – Radionuclides Treatment Project Well #21	\$25,000	\$25,000	\$25,000
Metro	South Metro Water Supply Authority	Water Ambassador Program (SMWSA) Conservation Kits	\$12,000	\$12,000	\$12,000
South Platte	Elbert County Government	Elbert County Water Plan	\$45,000	\$45,000	\$45,000
Southwest	Dolores Water Conservancy District	WY 2023 Dolores Basin CASM Flights	\$47,000	\$47,000	\$47,000
Southwest	Florida Consolidated Ditch Company	FCDC West Lateral Repair	\$45,000	\$45,000	\$45,000
Southwest	Montezuma Valley Irrigation Company	Goodland Ditch Piping	\$45,000	\$45,000	\$45,000

Water Plan Grants Director's Report – March 2023

WATER PLAN GRANTS:

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

Applicant	Project Name	Grant Request Amount	Staff Recommendation
Conservation & Land Use			
Colorado WaterWise	Native Grass Manual Website	\$50,000	\$50,000
Town of Buena Vista	Buena Vista Water Conservation Plan	\$39,450	\$39,450
Longmont, City of	Water Efficiency Master Plan Update	\$45,000	\$45,000
Engagement & Innovation			
Arkansas River Basin Water Forum	Arkansas River Basin Water Forum 2023 Education and Outreach Event	\$49,648	\$49,648
Lower South Platte Water Conservancy District	Lower South Platte Children's Water Festival	\$36,000	\$36,000
Thompson School District	Cottonwood Plains Elementary School Low Water Landscaping Upgrade	\$41,500	\$41,500
Total Recommended for Approval			\$261,598

INSTREAM FLOW

RECENTLY DECREED ISF WATER RIGHTS: On January 8, 2023, the Division 5 Water Court decreed instream flow (ISF) water rights to the CWCB on a reach of the Piney River in Case No. 17CW3236 for 4.0 cfs (12/01 – 03/31), 16 cfs (04/01 - 04/30), 55 cfs (05/01 - 07/15), 16 cfs (07/16 – 8/15), and 8.0 cfs (08/16 – 11/30), with an appropriation date of January 24, 2017. The upstream terminus is the confluence with Grape Creek, and the lower terminus is the confluence with the Colorado River. This reach is approximately 7.83 miles long and flows in a northwesterly direction through parts of Eagle County. A statement of opposition was filed in this case by Pine Valley Ranches Trust who received recognition in the decree of existing undecreed uses in accordance with C.R.S. § 37-92-102 (3)(b). This water right is in addition to an existing ISF on the Piney River decreed in Case No. 86CW0229, with an appropriation date of January 16, 1986, to the CWCB for 9.0 cfs (01/01-12/31). The Bureau of Land Management recommended an increase to the existing ISF water right to protect the self-sustaining population of brown trout (*Salmo trutta*), rainbow trout (*Oncorhynchus mykiss*), mountain whitefish (*Prosopium williamsoni*), mottled sculpin (*Cottus bairdii*), and longnose sucker (*Catostomus catostomus*).

On January 23, 2023, the Division 1 Water Court decreed instream flow (ISF) water rights to the CWCB on a reach of the North Fork Little Thompson River in Case No. 21CW3220 for 5.0 cfs (04/25 – 6/10) and 2.0 cfs (06/11-06/30) with an appropriation date of January 25, 2021. The upstream terminus is the confluence with Hell Canyon Creek, and the lower terminus is the confluence with the Little Thompson River. This reach is approximately 3.77 miles long and flows in a southeasterly direction through parts of Larimer County. A statement of opposition was filed in this case by the Thompson Water Users Association which was resolved through terms and conditions contained in a stipulation. Colorado Parks and Wildlife and the Larimer County Department of Natural Resources recommended this ISF water right to protect the self-sustaining population of rainbow trout (*Oncorhynchus mykiss*), creek chub (*Semotilus atromaculatus*), and longnose sucker (*Catostomus catostomus*).

Director's Report Attachment – March 15-16, 2023 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

Applicant Case No.	Water Div.	Applicant	Stream/ CWCB Case No.	ISF Amount (cfs/date)	Individual Injury (%)	Cumulative Injury (%)	Count
22CW3193	1	Charles Moore, Skyler Moore, Benjamin Gearhart, Mountain Mutual Reservoir Company, and North Fork Associates, LLC	Geneva Creek/ 78W9371	11 (1/1 - 12/31)	0.00440 0.00340	0.03200 0.03370	2
22CW3112	5	Turret's End Stann Ranch, LLC	Sweetwater Creek/ 80CW0313	18 (1/1 - 12/31)	0.12650 0.03800	0.17636 0.04361	6
22CW3120	6	Martha Ventilla	Elk River/ 77W1331	65 (1/1 - 12/31)	0.16150 0.00000	0.29043 0.11108	7

Statement of Opposition in these cases and has provided the required notification to the Division Engineers and applicants.

**March 15-16, 2023 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.

Since the last Board Meeting, staff has resolved issues of potential injury to CWCB's ISF water rights in the following water court cases. Staff, along with the Attorney General's Office, has stipulated in one case in which CWCB had filed a Statement of Opposition. One case was dismissed by the Court. Staff obtained an agreement via a letter-in-lieu of filing a Statement of Opposition in five cases.

A. STATEMENTS OF OPPOSITION

(1) Case No. 21CW3081 (Water Division 2) - Application of Heath Mills

The Board ratified this Statement of Opposition at its March 2022 meeting. Applicant requested a "Determination of Surface Water Right". The Court entered an Order to Dismiss without prejudice on 1/12/2023. This case is closed.

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

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
04CW0080	Currant Creek	confl Mill Gulch	confl Cottonwood Creek	2 (4/1 - 10/31) 1.4 (11/1 - 3/31)	01/28/2004
95CW0231	Currant Creek	confl Cottonwood Creek	confl Tallahassee Creek	0.5 (11/1 - 3/31) 1.25 (4/1 - 10/31)	11/06/1995
95CW0232	Tallahassee Creek	confl South Tallahassee Creek	confl Arkansas River	1 (4/1 - 10/31) 0.5 (11/1 - 3/31)	11/06/1995

(2) Case No. 21CW3026 (Water Division 3) - Application of Sustainable Water Augmentation Group, Inc.

The Board ratified this Statement of Opposition at its March 2022 meeting. Applicant requested an "Approval of Plan of Augmentation". Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's many instream flow water rights in Division 3 will not be injured.

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

- "Replacement of Out-of-Priority Depletions. Applicant shall utilize the supplies listed herein and other supplies that it acquires via purchase, lease, or otherwise to replace or Remedy its Injurious Stream Depletions to the Rio Grande River. Applicant may also utilize water exchanges and forbearance agreements under the augmentation plan decreed herein. No appropriative right of exchange is decreed herein, and accordingly, no priority date is awarded herein for any appropriative right of exchange. Prior to Applicant obtaining a decree approving an appropriative right of exchange, Applicant may operate exchanges that are administratively approved, provided they will not be operated in a manner that injures a decreed instream flow water right held by the Colorado Water Conservation Board."

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. 22CW3176 (Water Division 1) - Application of Eldorado Artesian Springs, Inc.

During the November 2022 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case No. 80CW379 on South Boulder Creek. This case was resolved with CWCB by a letter agreement, dated February 24, 2023, by which CWCB agreed not to file a Statement of Opposition, provided Applicant incorporates the following terms and conditions into any draft and final decrees and Applicant agrees to not oppose a motion to intervene by CWCB if such terms and conditions are not included.

"Any use of the EAS Lower Boulder Shares for augmentation and replacement purposes under the Decree in Case No. 02CW292 is subject to the terms and conditions of the Decree in Case No. 02CW292, including, but not limited to, EAS' obligation to comply with the requirements of Paragraph 19.D.(5) on pages 18-19 of the Decree in Case No. 02CW292 concerning upstream replacement of out-of-priority diversions when Colorado Water Conservation Board's instream flow rights on South Boulder Creek are unsatisfied."

(2) Case No. 22CW3200 (Water Division 1) - Application of Upper South Platte Water Conservancy District

During the December 2022 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. W-8222(1976) on Mosquito Creek, W-8230(1976) on Michigan Creek, W-8729(1977) and W-8730(1977) on Tarryall Creek, 80CW0064 and 80CW0067 on Middle Fork South Platte River, and 84CW0635 on Beaver Creek. This case was resolved with CWCB by a letter agreement, dated February 24, 2023, 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.

- a. "HASP recognizes that the Colorado Water Conservation Board holds existing instream flow water rights on Mosquito, Michigan, Tarryall, and Beaver Creeks decreed in Case Nos. W-8222(76), W-8230(76), W-8729(77), W-8730(77), and 84CW635; and on the Middle Fork South Platte River decreed in Case Nos. 80CW64 and 80CW67 (collectively, "Decreed ISFs"), which are senior to the appropriative rights of exchange claimed by HASP in Case No. 22CW3200."
- b. "If an administrative exchange is required to deliver water to areas within or outside of HASP's service area boundaries and that administrative exchange will operate through a Decreed ISF reach, HASP shall not operate any such administrative exchange until: 1) HASP has prior approval by the State and Division Engineers and 2) HASP provides notice to the CWCB. Notwithstanding the foregoing, HASP shall not operate an administrative exchange through any Decreed ISF reach if the associated instream flow water right is being administered and is not satisfied."

(3) Case No. 22CW3091 (Water Division 2) - Application of William Marshall and Deborah McKnight, Linda K. Reinhold Rev. Trust, Todd and Belinda Tipton, Darell Ray Hamilton, Corey Mathew Tucker, Bridgett Ashley Tucker, Zachary Ryan Tucker and Derek Scott Tucker

During the December 2022 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case No. 79CW0113 on Frenchman Creek. This case was resolved with CWCB by a letter agreement, dated February 24, 2023, 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. "Applicants recognize that the Colorado Water Conservation Board holds an existing instream flow water right on Frenchman Creek described in Case No. 79CW133 for 2.5 c.f.s. year-round, which was decreed prior to the filing of this water court case."
2. "Cumulative simultaneous diversions at the original and changed points of diversion will be limited to the amount physically and legally available at the original decreed point of diversion in terms of flow rate, volumes, and timing of diversions."

(4) Case No. 22CW3050 (Water Division 4) - Application of Genesee Properties, Inc

During the December 2022 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. 02CW277, 05CW0154, 11CW0129, 84CW0427 and 84CW0429 on the San Miguel River. This case was resolved with CWCB by a letter agreement, dated February 28, 2023, 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 recognizes that the Colorado Water Conservation Board holds existing instream flow water rights on the San Miguel River decreed in Case Nos. 84CW427, 84CW429, 02CW277, 05CW154, and 11CW129, and on the Dolores River decreed in Case No. 15CW3111, which were decreed prior to the filing of this case."
2. "The exchange claimed herein runs through the San Miguel River instream flow water rights decreed in Case Nos. 84CW427 and 05CW154. During administration for these instream flow water rights, Applicant shall make replacements for its out-of-priority depletions from its on-site storage or other augmentation sources above the point of depletion, rather than from Trout Lake. If insufficient on-site augmentation water is available to replace out-of-priority depletions, applicants shall curtail all diversions resulting in out-of-priority depletions."
3. "Any diversions into storage are 100% depletive to the stream at the time of diversion, therefore during administration, 100% of the diversion shall be replaced to the river, or the diversion shall be curtailed. However, out-of-priority diversions may be offset by the amount of irrigation return flows accruing to the stream at the time, as claimed in the Application."

(5) Case No. 22CW3046 (Water Division 7) - Application of Douglas E. Koldenhoven, Robin E. Koldenhoven, Riley Koldenhoven, Dennis Shelby Deaderick and Kathryn Anne Deaderick

During the December 2022 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. W-1763 (1977) on Florida

River. This case was resolved with CWCB by a letter agreement, dated February 27, 2023, 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 recognizes that the Colorado Water Conservation Board holds an existing instream flow water right on the Florida River decreed in Case No. W- 1763(77), which was decreed prior to the filing of this water court case."
2. "During times of local stream administration on the Florida River for the CWCB's instream flow water right on the Florida River decreed in Case No. W- 1763(77), Applicants' replacement supply from Lemon Reservoir shall only be aggregated to the extent allowed by the Division of Water Resources."



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources

1313 Sherman Street
Denver, CO 80203

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

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: March 15-16, 2023 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:

- 1.80% - Agricultural
- 2.50% - Low-income Municipal
- 2.85% - Middle-income Municipal
- 3.20% - 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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Dan Gibbs, DNR Executive Director

Rebecca Mitchell, CWCB Director

TO: Colorado Water Conservation Board Members

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

DATE: March 15-16, 2023 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 Firing (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
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
Wadley Farms 3 HOA	Reservoir Rehabilitation	TBD
Loveland Lake and Ditch Company	Reservoir Rehabilitation	TBD
Inverness	Reservoir Improvements	TBD
Cottonwood	Reservoir Improvements	TBD
Arapahoe County W/WW Authority	Reservoir Improvements	TBD
Subtotal		\$2,755,900,000



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
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		\$20,000,000
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		\$20,000,000
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		
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
Otter Pond HOA	Dam Rehabilitation	\$650,000
Subtotal		\$2,780,000
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
San Luis Valley WCD	Water Rights Purchase	\$500,000
Rio Grande WCD	Water Rights Purchase	\$3,000,000
Costilla County Conservancy District	Water Rights Purchase	\$300,000
Subtotal		\$24,000,000
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
Subtotal		\$105,600,000





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To: Colorado Water Conservation Board Members

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

Board Meeting: March 15-16, 2023 Board Meeting

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

The CWCB Loan Program has Substantially Completed (5) projects in Fiscal Year 2022/2023 as shown in the Table. There are currently (52) projects authorized to receive loan funding totaling \$334M. There are (43) projects currently under contract and in the Design/Construction phase totaling \$223M. 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	Parker Water and Sanitation District	WISE - Phase 2 Infrastructure	South Platte	\$3,418,658	8/1/22
2*	Southeastern Co Water Conservancy District	Pueblo Dam Hydroelectric Project	Pueblo	\$17,392,200	1/1/23
3*	Arapahoe County Water and Wastewater Authority	Chambers Reservoir Liner Rehabilitation	Arapahoe	\$4,404,000	3/1/23 (a)
4*	Logan Irrigation District	Prewitt Reservoir Rehabilitation	Logan	\$1,257,750	3/1/23 (b)
5*	North Sterling Irrigation District	North Sterling River Diversion Replacement	Logan	\$3,532,980	3/1/23
	* included in Director's Report		Total	\$29,871,858	

Fiscal Year 2022/2023 has added and preserved 4,700 acre-feet of reservoir storage; (a) 1,400; (b); 3,300





Project Description

This Project was authorized in the 2007 and 2009 Projects Bill (SB07-122, SB09-125) to develop a revenue source to offset the operational and maintenance cost of the planned Arkansas Valley Conduit using hydropower. The 7.5 megawatt facility is located on the North Outlet of Pueblo Dam and generates electricity at flows ranging from 35-810 cubic feet per second. Three turbines and two generators use the dam's authorized releases to the Arkansas River to generate an annual average 28 million kWh (enough to power approximately 3,300 homes) and is planned to generate \$1,500,000 in average revenue per year.

The James W. Broderick Hydropower Plant power is generated by falling water flowing through turbines. No water is consumed during the generation of electricity. The hydropower plant connects to the Municipal Service Line constructed by Colorado Springs Utilities for the Southern Delivery System. The Project was performed under the U.S. Bureau of Reclamation's Lease of Power Privilege (LOPP) process. Colorado Springs Utilities purchase the power generated via transmission through the local Black Hills Energy power delivery system. Colorado Springs Utilities and the Pueblo Board of Water Works were originally partners, but the District is solely undertaking the Project.

P R O J E C T D A T A		
<i>Sponsor:</i> Southeastern Colorado Water Conservancy District	<i>County:</i> Pueblo	<i>Water Source:</i> Arkansas River
<i>Type of Project:</i> Hydroelectric	<i>Board Approval Date:</i> July 2016	
<i>Terms of Loan:</i> 2.00% for 30 years	<i>(Original)</i> \$17,392,200	<i>(Final)</i> \$17,392,200
<i>Design Engineer:</i> Providence Infrastructure Consultants, Inc.		
<i>Contractor:</i> Mountain States Hydro, LLC		



COLORADO
Colorado Water
Conservation Board
Department of Natural Resources

Chambers Reservoir Liner Rehabilitation

Arapahoe County Water and Wastewater Authority
Substantially Complete March 1, 2023

Chambers Reservoir's new liner prevents excessive leaking so that it can provide quality irrigation water



Project Description

The Arapahoe County Water and Wastewater Authority (ACWWA) was formed in 1988 to supply potable and non-potable water service and wastewater service to approximately 10,000 residents and numerous commercial and industrial customers in southern Arapahoe County and a small portion of northern Douglas counties. Chambers Reservoir was constructed in 2010 for ACWWA, who owns and operates the reservoir for the purpose of storing alluvial aquifer well water for non-potable irrigation use within its service area.

The original reservoir design included excavation below the natural ground surface, installation of a compacted clay liner, and construction of a dam across an unnamed tributary of Happy Canyon Creek. Due to design and construction defects, the reservoir was found to leak up to a calculated 27 AF per week when the reservoir was approximately $\frac{3}{4}$ full. The reservoir was subsequently drained in 2017 and a 500-foot long portion of the clay liner and reservoir side slope failed. The failure is thought to have occurred due to high groundwater from the leaking reservoir and insufficient clay liner thickness and material properties.

The project included raising the bottom of the reservoir, installing an underdrain system to capture and remove any groundwater that may damage the reservoir, installing a synthetic liner. Construction is expected to began in summer 2020 and was completed fall 2023.

P R O J E C T D A T A		
<i>Sponsor:</i> Arapahoe County Water and Wastewater Authority	<i>County:</i> Arapahoe	<i>Water Source:</i> Cherry Creek
<i>Type of Project:</i> Reservoir Rehabilitation	<i>Board Approval Date:</i> July 2021	
<i>Loan Terms: (Original)</i> \$2,525,000 @ 1.90% <i>(Final)</i> \$4,040,000 @ 1.90%		
<i>Design Engineer:</i> AECOM		
<i>Contractor:</i> Raven CLI Construction, Inc.		



Prewitt Reservoir Rehabilitation

Logan Irrigation District
Substantially Complete March 1, 2023

The newly installed concrete slabs on the dam's upstream face catch waves, diffuse their energy, and prevent overtopping of the dam crest.



Project Description

The Logan Irrigation District (District) was formed in Logan County in 1910, and provides water for irrigation and augmentation to 125 landowners on approximately 12,800 acres. The District delivers water for well user groups such as South Platte, Pawnee, and Logan, and the City of Sterling for well pumping replacement. Irrigated acreage in the District grows corn, alfalfa, sugar beets, pinto beans, and feed crops.

The Prewitt Reservoir Dam was constructed in 1910 and measures 3.5 miles long and 36 feet high. It is owned and operated by the Prewitt Operating Committee (POC) which includes the Iliff Irrigation District, the Morgan Prewitt Reservoir Company, and the District. As the majority shareholder, the assumed financial responsibility for the loan and was responsible for collecting from other POC members. The project involved installing wave breaks and a toe drain in order to remove a State Engineer Office (SEO) Dam Safety storage restriction restoring 3,300 AF to the reservoir. Construction began in the summer of 2021, and was completed in the spring of 2023.

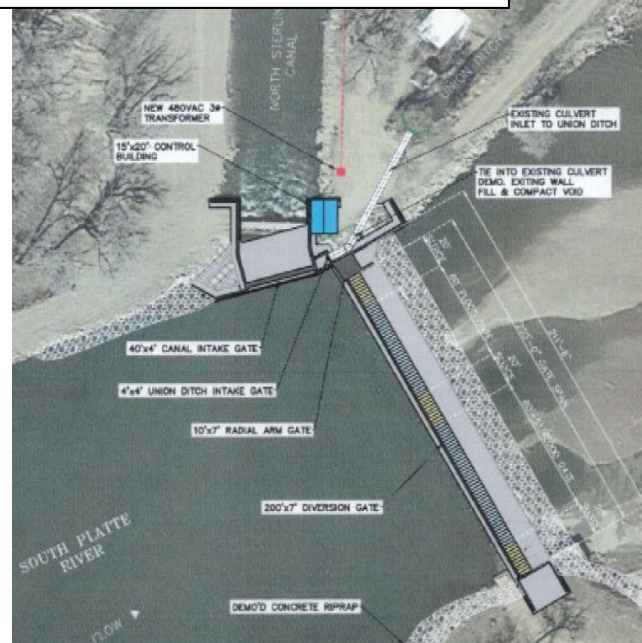
P R O J E C T D A T A		
<i>Sponsor:</i> Logan Irrigation District	<i>County:</i> Logan	<i>Water Source:</i> South Platte River
<i>Type of Project:</i> Dam Rehabilitation		<i>Board Approval Date:</i> March 2021
<i>Loan Terms: (Original)</i> \$1,578,630.00 @ 0.70% <i>(Final)</i> \$1,257,781.27 @ 0.70%		
<i>Design Engineer:</i> Harris Engineering Consultants, Inc.		
<i>Contractor:</i> Cornerstone Construction and Excavating, LLC.		



North Sterling River Diversion Replacement

North Sterling Irrigation District
Substantially Complete March 1, 2023

The new diversion structure is reoriented in the river to aid in sediment removal. Principal components include Obermeyer bladder gates, a new headgate structure for the Inlet Canal, a radial gate sluiceway, a control building, and a flume measurement structure.



Project Description

The North Sterling Irrigation District (District) was created in 1907 by the Board of County Commissioners and currently serves 122 landowners with more than 40,000 acres. Irrigated land in the District's service area produces corn, alfalfa, sugar beets, pinto beans, small grains and feed crops.

The project included replacement of the existing 210 foot long diversion structure with a bladder gate, a new inlet headgate, continued service for the Union Ditch, and a new measurement structure. This allowed for safe passage of flood events, sediment, and ice flow in the winter. During intermediate flows, it also allows for fish passage while a partial pool on the upstream side will benefit aquatic habitat and waterfowl. Benefits for the District resulting from the project include improved safety for employees, and automation including remote control. Construction began in the summer of 2021 and was completed in the early spring of 2023.

P R O J E C T D A T A		
<i>Sponsor:</i> North Sterling Irrigation District	<i>County:</i> Logan	<i>Water Source:</i> South Platte River
<i>Type of Project:</i> Diversion Replacement		<i>Board Approval Date:</i> March 2021
<i>Loan Terms: (Original) \$3,532,980 @ 0.85% (Final) \$3,532,980 @ 0.85%</i>		
<i>Design Engineer:</i> Harris Engineering Consultants, Inc.		
<i>Contractor:</i> Concrete Specialties and Utilities Construction, Inc.		

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	100%	5%	Dam breached. Final design complete and approved by Dam Safety. Costs increases since receiving loan approval. Selecting contractor Q1 2023. Anticipated protracted schedule due to delays in ordering materials. Contractred with RJH in Jan 2023.	
2	Billings Ditch Company	Billings Ditch Implemation 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 2021. Construction is complete except for punch list items.	
3	Breckenridge, Town of	Goose Pasture Tarn Dam Rehabilitation	Colorado	CT2023-0673	\$13,000,000	Cole Bedford	100%	75%	The project has been under construction since 2020. This loan is intended to cove the costs of the second half of the project which is starting in the fall of 2022. The first draw will likely take place in December 2022.	
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. Final punchlist items will be completed in Spring 2023.	
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	\$721,239	Matt Stearns	100%	0%	This project is the replacement of a low head dam diversion structure with multibeneficial outcomes. Design work is nearly complete and it will go out for bid early 2023 with construction commencing in Fall 2023.	
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 reservior. 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	Fort Morgan Reservoir and Irrigation Company	Augmentation Pump Replacement Project	South Platte	CT2023-XXXX	\$1,753,000	Cole Bedford	100%	20%	Construction is currently underway on new pumps and new pump house. Substantial completion is expected before the spring 2023 irrigation season starts.	

	PROJECT						STATUS		
	Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
11	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.
12	Genesee Water and Sanitation District	Reservoir No. 1 Enlargement	South Platte	CT2021-2851	\$5,500,000	Cole Bedford	100%	30%	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 approved at the September 2022 Board meeting. Construction is now under way.
13	Glenwood Springs, City of	System Redundancy and Pre-Treatment Improvements	Colorado	CT2021-3104	\$8,000,000	Cole Bedford	100%	75%	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.
14	Grand Junction, City of	Carson Reservoir Dam Rehabilitation	Gunnison	CT2021-3110	\$4,300,000	Joshua Godwin	100%	95%	Preliminary dam safety close out inspection complete 10/19/22 before ESCO (contractor) demobilizes. Grand Junction will finish construction by installing hydraulic lines for outlet gate in June 2023 when the snow melts.
15	Grand Junction, City of	Kannah Creek Flowline Replacement	Gunnison	CT2023-0568	\$3,200,000	Joshua Godwin	0%	0%	Intended to construct concurrently with Purdy Mesa. GJ may hire contractor for both project in Q1 2023.
16	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 GJ WTP. Project is going out for RFP in Q1 2023 and work is expect to occur concurrently with Kannah Creek.
17	Grand View Irrigation Company	Siphon Repair Project	Arkansas	CT2023-2058	\$350,000	Joshua Godwin	100%	95%	Project is nearly complete with minor project close-out items remaining.
18	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 ongoing.
19	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 began in Fall 2022.
20	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.

	PROJECT						STATUS		
	Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
21	Lookout Mountain Water District	Upper and Lower Beaver Brook Dam Rehabilitation	South Platte	CT2021-3115	\$3,500,000	Joshua Godwin	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.
22	Morrisania Water Supply Company	Ditch Rehabilitation Project	Colorado	CT2023-2580	\$140,000	Joshua Godwin	100%	98%	Construction complete. Borrower is processing final invoices and grant funding. Final site visit in Q1 2023.
23	North Poudre Irrigation Company	Park Creek Expansion Project	South Platte	CT2023-2593	\$6,480,000	Cole Bedford	10%	0%	Project is currently in the design phase for a dam height increase project. Will increase reservoir storage space. Construction is expected to begin in 2024.
24	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. OILC plans to construct in the winter/spring 2023.
25	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.
26	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. The Company has secured a local governmental sponsor and has been approved to proceed in the NRCS PL-566 program which will cover 100% of design and 75% of construction.
27	Rio Grande Water Conservation District Subdistrict No. 5	Saguache Pipeline	Rio Grande	CT2021-3846	\$6,020,000	Cole Bedford	100%	10%	Working on well owner agreement and Project easement agreements. Loan increase request in January 2023. Bidding will take place in spring 2024 and construction likely in the summer.
28	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.
29	Smith and Emmons Ditch Company	Diversion Structures Replacement Project	South Platte	CT2023-2473	\$410,000	Cole Bedford	100%	20%	Contractor has been selected. Preliminary materials purchased.
30	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.

PROJECT						STATUS			
	Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
31	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.
32	Sunnyside Park Ditch Company	Sunnyside Park Ditch Piping	Arkansas	CT2023-2022	\$533,430	Cole Bedford	100%	98%	This project will pipe a half-mile length of open ditch along the Arkansas River. The project was completed in fall 2022 and will be closed out in summer 2023 to set the repayment date for July 1.
33	Trinchera Conservancy District Groundwater Management Subdistrict	Augmentation Pipeline	Rio Grande	CT2022-3040	\$977,000	Kirk Russell	100%	99%	Project is complete. Substantial completion expected in early 2023.
34	Triview Metropolitan District	Stonewall Springs Reservoir Complex	Arkansas	CT2022-3328	\$4,731,000	Kirk Russell	100%	75%	Reservoir under construction and working on pumphouse.
35	Tunnel Water Company	West Half Laramie-Poudre Tunnel Rehabilitation	North Platte/South Platte	CT2019-3706	\$17,830,000	Kirk Russell	100%	99%	Construction was completed in spring of 2022 after delays due to Cameron Peak wildfire. After the '22 irrigation season a warrenty inspection found and a large portion of the tunnel lining caved in. This will be repaired in the winter of 22/23.
36	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.
37	Victor, City of	Victor Reservoir No. 2 Dam Rehabilitation	Arkansas	CT2021-3873	\$510,000	Kirk Russell	100%	0%	Contractor selected. Construciton delay until late 2023 due to supply delivery schedules. Town removed portion of outlet tower and DWR/Dam Safety issued a fill restriction.
38	Grand Valley Water Users Association	Vinelands Power Plant	Colorado	CT2022-2084	\$778,011	Matt Stearns	100%	99%	This project will replace the existing 2.75 MW hydroelectric powerplant with a new 4.5 MW facility. Contractor mobilized November of 2021, and construction completed in November 2022. The powerplant is producing power (1.8 MW) as of November 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				
39	Uncompahgre Valley Water Users Association	Taylor Park Hydro Powerplant Project	Gunnison	CT2023-2565	\$1,685,000	Cole Bedford	80%	0%	Project is not yet underway. No funds have been disbursed. Construction is expected to begin in fall 2023.

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
40 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.
41 Windy Gap Farming 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.
42	Cottonwood Water and Sanitation District	South Platte	CT2015-0105	\$1,116,000	Kirk Russell	100%	90%	Binney Connection Pipeline of Water Infrastructure and Supply Efficiency project will increase WISE flow capacity to 30MGD and provide infrastructure from Aurora Binney Facility to SMWSA. Pumps/Treatment-Glacier, Pipeline/Infrastructure-T.Lowell, Jacobs is Engineer. Vault excavation began 9/2020. Construction trailer onsite through project duration. Glacier complete foundation work, pump cans have been delivered and installed, pump motors have arrived at the pump manufacture, preliminary SCADA meetings begun, Glacier starting to form rebar for the flow control building, start laying pipe. Precast concrete walls for pump station complete.
	Inverness Water and Sanitation District		CT2015-0119	\$1,413,000				
	Pinery (Denver SE Water and Sanitation District)		CT2015-0086	\$1,413,130				
43	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.
	Inverness Water and Sanitation District		CT2015-0120	\$450,000				
	Parker Water and Sanitation District		CT2015-0110	\$1,089,000				

TOTAL UNDER CONTRACT \$223,119,733

APPROVED PROJECTS, NOT CONTRACTED

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
Southeastern Colorado Water Conservancy District	Arkansas Valley Conduit	Arkansas	CT2023-XXXX	\$90,000,000	Kirk Russell	0%	0%	Federal Funding will control the scheduled use of these funds
Logan Irrigation District	Prewitt Reservoir Rehabilitation	South Platte	CT2023-XXXX	\$1,831,000	Cole Bedford	0%	0%	
Keensburg, Town of	Alluvial Water Rights Extension Project	South Platte	CT2023-XXXX	\$2,100,000	Joshua Godwin	0%	0%	
Special Improvement District No. 3 of the RGWCD	Alpha Hay Farms Augmentation	Rio Grande	CT2023-XXXX	\$2,555,000	Cole Bedford	0%	0%	Set up as seperate project from Trinchera
Trinchera Conservancy District Groundwater Management Subdistrict	Alpha Hay Farms Augmentation	Rio Grande	CT2023-XXXX	\$2,229,000	Cole Bedford	0%	0%	Set up as seperate project from SubDist 3
Ogilvy Augmentation Company	Loloff Reservoir Acquisition	South Platte	CT2023-XXXX	\$1,129,000	Joshua Godwin	0%	0%	Greeley stock shares in treasury, JG - working on vauation of property
Platte Valley Irrigation Company	Platte Valley Reservoir No. 1	South Platte	CT2023-XXXX	\$4,500,000	Joshua Godwin	0%	0%	JG - waiting for appraisal and legal description
Special Improvement District No. 4 of the Rio Grande WCD	Peachwood Farms Augmentation & Sustainability	Rio Grande	CT2023-XXXX	\$3,456,000	Cole Bedford	0%	0%	
Twin Lakes Reservoir and Canal Company	Grizzly Reservoir Rehabilitation	Colorado	CT2023-XXXX	\$9,833,000	Joshua Godwin	0%	0%	

NOT UNDER CONTRACT SUB \$117,633,000

GRAND TOTAL \$340,752,733

**WATER PROJECT CONSTRUCTION LOAN PROGRAM
LOAN REPAYMENT DELINQUENCY REPORT
LOAN FINANCIAL ACTIVITY REPORT
MARCH 2023**

LOAN REPAYMENT DELINQUENCY

Loan repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2022 through February 2023. 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 total 320. 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 \$25.2M for this year.

Funds disbursed relative to new project loans totaled \$16.4M for this year.

Net activity resulted in \$8.8M 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 \$12.7 in receivables and \$9.2M in disbursements for a total net activity of \$3.5M received over disbursed.

The STPBF consists of \$12.4M in receivables and \$7.2M in disbursements for a total net activity of \$5.3M received over disbursed.

CONSTRUCTION FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2022	\$ 371,761	\$ 209,467	\$ 581,228	\$ -	\$ 581,228
August 2022	\$ 322,747	\$ 234,519	\$ 557,266	\$ 55,449	\$ 501,818
September 2022	\$ 1,102,786	\$ 1,283,585	\$ 2,386,371	\$ 50,148	\$ 2,336,223
October 2022	\$ 1,708,676	\$ 192,893	\$ 1,901,568	\$ 410,596	\$ 1,490,973
November 2022 *	\$ -	\$ -	\$ -	\$ 286,904	\$ (286,904)
December 2022 *	\$ -	\$ -	\$ -	\$ 1,248,405	\$ (1,248,405)
January 2023	\$ 2,452,493	\$ 1,544,067	\$ 3,996,560	\$ 2,201,187	\$ 1,795,373
February 2023	\$ 2,196,321	\$ 1,127,816	\$ 3,324,137	\$ 4,964,576	\$ (1,640,440)
FY 2023 Totals	\$ 8,154,783	\$ 4,592,347	\$ 12,747,130	\$ 9,217,264	\$ 3,529,866

SEVERANCE TAX TRUST FUND PERPETUAL BASE ACCOUNT

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2022	\$ 90,797	\$ 34,336	\$ 125,134	\$ -	\$ 125,134
August 2022	\$ 3,870,987	\$ 1,026,365	\$ 4,897,353	\$ 333,891	\$ 4,563,462
September 2022	\$ 619,776	\$ 725,418	\$ 1,345,194	\$ 157,189	\$ 1,188,005
October 2022	\$ 502,400	\$ 410,987	\$ 913,387	\$ 426,931	\$ 486,456
November 2022 *	\$ -	\$ -	\$ -	\$ 1,213,033	\$ (1,213,033)
December 2022 *	\$ -	\$ -	\$ -	\$ 456,812	\$ (456,812)
January 2023	\$ 1,322,568	\$ 1,621,703	\$ 2,944,271	\$ 2,826,788	\$ 117,483
February 2023	\$ 1,286,856	\$ 926,218	\$ 2,213,074	\$ 1,769,605	\$ 443,469
FY 2023 Totals	\$ 7,693,384	\$ 4,745,027	\$ 12,438,412	\$ 7,184,248	\$ 5,254,164

GRAND TOTAL	\$ 15,848,167	\$ 9,337,375	\$ 25,185,542	\$ 16,401,512	\$ 8,784,030
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* no data in November and December due to position vacancy and deposits recorded in January and February