



COLORADO

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

DIRECTOR'S REPORT

January 2024

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: Lauren Ris
Rosie Major

DATE: January 29-30, 2024

SUBJECT: **Agenda Item 4b, January 2024 CWCB Board Meeting Director's Report**

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STATEWIDE

Finance Section Director's Report Items – January 2024

CWCB SMALL FEASIBILITY STUDY GRANT FUND UPDATE:

New grant applications approved:

1. None

Previously approved grants in FY23/24:

1. None

Total funds approved for feasibility study grants in FY23/24: \$0

Local Capacity and Technical Assistance Grants Director's Report – January 2024

Local Capacity Grants

H.B. 22-1379 established \$2.5 million for Local Capacity Grants. The following table summarizes Local Capacity Grant activity through January 2024.

<u>Approved Applications</u>			
Applicant	Project	Total Project Budget	Grant Award
Owl Creek Lateral	Improved Storage and Operations	\$42,400	\$31,625
Rio Grande Headwaters Land Trust	Capacity for Federally Funded Conservation Projects in the Rio Grande Basin	\$194,750	\$145,000
Grand County Learning by Doing	Federal Funding for LBD Stream Restoration and Improvement Projects	\$237,531	\$169,775
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	\$152,210
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
Sangre de Christo Acequia Association	Federal Funding to Improve Water Management	\$83,975	\$44,975
West Divide Water Conservancy District	Martin Reservoir Enlargement and Reconfiguration	\$315,906	\$118,464

Total:	\$2,103,202	\$1,396,179
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<u>Pending Applications</u>			
Applicant	Project	Total Project Budget	Requested Grant Amount
Farmers Conservation Alliance	White River Ditches Modernization Strategy	\$564,690	\$188,230
Estes Valley Watershed Coalition	Fish Creek/Beaver Meadow Restoration at Cheley Camp and Bassow Properties	\$204,134	\$150,000
Southwestern Water Conservation District	Capacity Gaps in the Southwestern Water Conservation District	\$278,706	\$156,706
Total:		\$1,047,530	\$494,936

Technical Assistance Grants

H.B. 22-1379 established \$2.5 million for 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.

As of September 2023, two Technical Assistance project proposals have received preliminary approval and have advanced to the next step of the grant award process:

- City of Grand Junction, Juniata Enlarged Ditch Piping Project
- Lower Wilson Ditch Association, Lower Wilson Ditch Pipeline Project

Abt Associates has developed a draft scope of work and budget for the Juniata Enlarged Ditch project. These documents are currently under review by the City of Grand Junction. Abt is in the process of developing a draft scope of work and budget for the Lower Wilson Ditch project, and hopes to have these materials ready for review by early November.

Program staff are also reviewing two additional projects that could advance in the Technical Assistance process:

- Colorado City Metropolitan District, Lake Beckwith Dam Repair and Enhancement
- San Miguel Watershed Coalition, Reed-Chatfield Ditch and Diversion Rehabilitation Project

CWCB staff continue to receive expressions of interest in the Technical Assistance Grant Program and have held preliminary meetings with other excellent candidates for the program.

COLORADO RIVER BASIN

COLORADO RIVER WATER USE—

2023 Colorado River Storage as of January 15, 2024			
	Elevation (feet above mean sea level)	Storage (MAF)	Percent of Capacity
Lake Mead	1,070.27	9.221	35%
Lake Powell	3,566.79	8.278	36%
Total System Active Storage		24.823	42%
2023 Total Active Storage		19.093	33%
		Flow (MAF)	Percent of Average
Forecasted Unregulated Inflow into Powell (Forecasted Water Year 2024)		6.918	72%

*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 operate the alternative management plan. The Monitoring Committee has received updates from the contractor that conducted the drone lidar survey and is waiting for final reports on this and the cross-section surveys, sediment sampling, and macroinvertebrate sampling. The Cooperative Measures sent an email to the Bureau of Reclamation to understand opportunities to contract for unallocated water in Green Mountain Reservoir. They are also exploring a potential small-scale project to use 300 acre feet of water to either enhance boatable days or address temperature issues.

Lower Dolores Plan Working Group

The Lower Dolores Plan Working Group continues to work on the designation of a National Conservation Area (NCA) in a portion of the Dolores River and implementing a monitoring plan to improve native fish habitat and understanding of native fish needs on the Dolores River. These efforts are aimed at protecting the Outstandingly Remarkable Values (ORVs) without the need for the BLM to find portions of the Lower Dolores River eligible for Wild and Scenic designation. The legislation was reintroduced in both the House and Senate last year. The NCA legislation had a markup in December in the Senate Energy and Natural Resources (ENR) Committee and passed unanimously. A hearing in the House ENR Committee is the next procedural step.

The Monitoring and Recommendations team is starting to plan the 2024 field season. A CPW contractor has begun work compiling native fish data from PIT tags along the Dolores which is being paid for in part by the W&S Fund.

Other Wild and Scenic Updates

Deep Creek

American Rivers continues to convene a diverse stakeholder group to discuss designation of Deep Creek as a Wild and Scenic River. The Stakeholder Group (SG) includes the USFS, BLM, Colorado Parks and Wildlife (CPW), local landowners, American Rivers, and various recreation and environment-based groups. The SG's Instream Flow (ISF) Committee proposed a CWCB-held ISF water right to protect all unappropriated flow with a water development allowance (WDA) to meet reasonable potential future uses. CWCB staff continues to work with the SG to resolve the remaining issues concerning the WDA. The next meeting to continue discussions is scheduled in late January.

Crystal River

Portions of the Crystal River from the headwaters to the Sweet Jessup canal headgate were determined to be eligible for inclusion in the Wild and Scenic program in the 1980s and again in 2002. The stakeholder group continues to meet to discuss options for flow and land use protection. The next public meeting was scheduled for January 18, 2024. More information about upcoming meetings can be found on the groups website: <https://thecrystalvalleyecho.com/wild-scenic-stakeholder>.

WATERSHED AND FLOOD UPDATES

January 2024

National Flood Insurance Program (NFIP) Community Assistance Program-State Support Services Element (CAP-SSSE) Colorado Floodplain Development Management Program

FEMA NFIP Assessment, State of Colorado compliance

This office continues to coordinate and cooperate with other state departments and divisions, in particular the CO Office of the State Architect (OSA), and the CO Legislature to address deficiencies in the State's administration of the National Flood Insurance Program pertaining to the permitting of State-owned structures and development in the regulatory floodplain as identified in a 2021 FEMA letter summarizing their assessment findings.

Following a number of stakeholder meetings over the course of 2022 & 2023, Tana Lane, State of Colorado Architect, and members of her staff appeared in person before the Colorado Capitol Development Committee (CO CDC) on Dec. 15, 2023, to outline the state's plan to permit development in the regulatory floodplain and request the Committee's support. Doug Mahan, CWCB NFIP CAP Coordinator, attended virtually to answer the committee's questions should any come up. Following testimony and Q&A, the CO CDC voted unanimously to support the measure. A separate CWCB CAP/OSA meeting (virtual) was held on Dec. 27, 2023, with CO CDC member Senator Cleave Simpson to provide additional background information on the matter and answer questions after which the Senator reiterated his support. It is expected legislation will be introduced during this legislative session to authorize and fund the State's floodplain permitting plan.

NFIP Community Outreach and Support

This office has conducted eleven community assistance contacts (CAC) since the beginning of September with the following communities: Adams County, Grand Lake, Snowmass Village, Frederick, La Plata County, Manitou Springs, Cripple Creek, Fraser, Lake City, Coal Creek, and Pueblo County. The CAC provides a means to establish or re-establish contact with an NFIP community for the purpose of determining any existing problems or issues and to offer assistance if necessary. The CAC also provides the opportunity to enhance the working relationship between the State or FEMA and NFIP communities and creates a greater awareness of the NFIP and its requirements. Most communities contacted were found to be in good standing. For communities where any issues were found, guidance was provided to help the communities get the issues addressed.

The Town of Granada and Bent County participated in respective community assistance visits (CAV). The CAV is a visit to a community that serves the dual purpose of providing technical assistance to the community and assuring that the community is adequately enforcing its floodplain management regulations. Generally, a CAV consists of a tour of the floodplain, an inspection of community permit files, and meetings with local appointed and elected officials.

Two Colorado counties and their incorporated communities had updated National Flood Insurance (NFIP) maps go effective since September: Weld County and Ouray County. This office provided guidance and instruction to 16 communities in updating their floodplain regulations to adopt and make effective the new floodplain maps to maintain in good standing with the NFIP. Community assistance in this regard included ordinance review, instructions on language updates, and informative meetings with community staff and officials. All communities met the adoption requirement within the allotted timeframe and remain in good standing with the NFIP.

Staff Training

Willem Lensink, CWCB NFIP CAP Specialist, successfully completed FEMA's Emergency Management Institute *Managing Floodplain Development through the NFIP* workshop, EMI 0273. This course provides local, state, tribal, territorial, and Federal officials with the knowledge and skills to administer and enforce floodplain management regulations. Through this training, Willem learned outreach and risk communication techniques, NFIP floodplain management regulations, flood hazard determination techniques, and a variety of other aspects pertaining to floodplain management. Taking this course benefits the state and CWCB as it helped to grow the flood section's knowledge base on floodplain management and ordinance administration.

(Doug Mahan; Willem Lensink)

Colorado Healthy Rivers Fund – 2024 Application Period

The Colorado Healthy Rivers Fund (CHRF) was born from Senate Bill 02-087, allowing for voluntary individual contributions from State tax returns to “Assist in the restoration and protection of lands and natural resources within watersheds in the State”. Since 2003, the CHRF has been successfully funding and implementing local water enhancement projects throughout all major basins in Colorado. Managed through a unique partnership between the Colorado Water Conservation Board (CWCB), the Water Quality Control Division (WQCD) and the Colorado Watershed Assembly (CWA). The CHRF helps local organizations with their on the ground efforts aimed at improving their local watersheds through planning efforts and project implementation.

The 2024 CHRF application period opens Monday January 15th and will remain open until February 29, 2024. Grant applications are submitted as either Project grants or Planning grants. Both categories have a suggested maximum ask of \$20,000. There is currently \$170,000 available for grant awards. Those funds come from the 2022 tax year, are collected, and transferred to the CWCB late in 2023 and are available for distribution in 2024.

For more information or to apply, please head over to;

<https://www.coloradowater.org/colorado-healthy-rivers-fund-1>

(Steve Reeves)

Chatfield Downstream Channel Improvement Project Expiring Easements

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

The CWCB receives and acts on requests for easements on land owned by the CWCB as part of the Chatfield Downstream Improvement Project. In order to properly do this, it is necessary to know where easements currently exist and when they expire. In the process of creating an inventory of existing easements, staff has so far found eight easements that are expired, and an additional easement that will

expire in May of 2024. Staff is working with counsel to determine the course of action to take for each of these individual easements, most of which it is anticipated will need to be renewed.

Andrea Harbin Monahan

416 Fire Recovery – La Plata County

The 416 fire started north of Durango on June 1, 2018 and burned over 54,000 acres (9th largest in Colorado history) in two months. The fire did not burn any homes and no lives were lost. Communities and water supply infrastructure were highly susceptible to post wildfire flooding and debris flows after the fire. The CWCB provided La Plata County with a \$500,000 grant for recovery that was matched with NRCS Emergency Watershed Protection program funding.

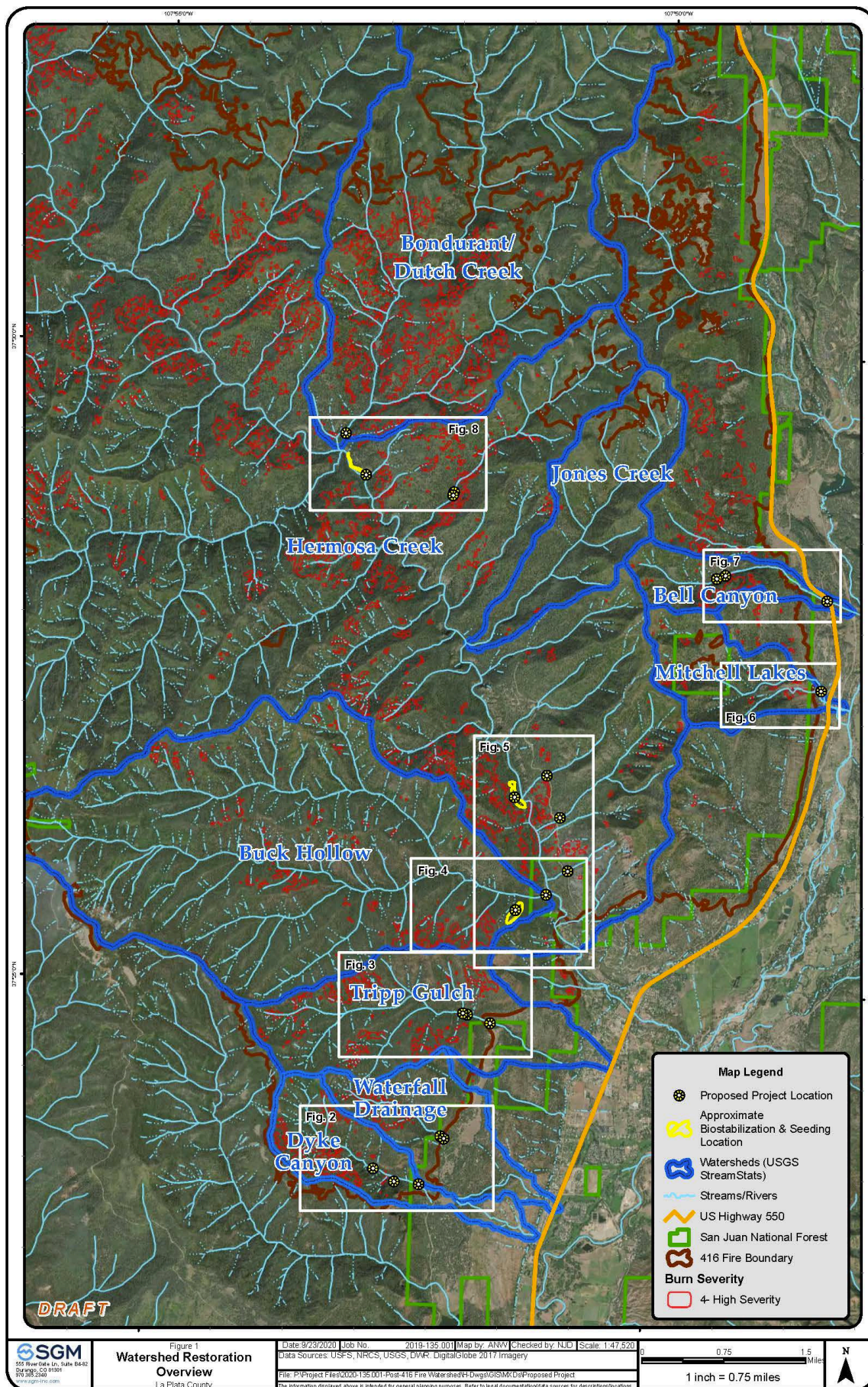
The objective of La Plata County's (LPC) CWCB Colorado Watershed Restoration Program (CWRP) project was to engage, educate, and coordinate impacted property owners, neighborhoods, and other stakeholders. CWCB funding was used to identify and implement mitigation actions throughout affected or threatened watershed areas, reduce threats to life and safety, protect from future flooding, and restore the hydraulic capacity of historic and natural drainages to pre-wildfire conditions with the overarching objective of improving the health of the Hermosa Creek and Animas River watersheds following the 416 Fire and its ongoing impacts. SGM was hired by La Plata County to coordinate stakeholders, design mitigation projects, and oversee construction.

Construction projects in the Dyke Canyon, Waterfall Drainage and Mitchell Lakes watershed areas (map below) were primarily completed in drainages significantly impacted by debris and flood events after the 416 Fire. The primary objectives of reducing threats to life and safety, reducing sediment runoff, protecting from future flooding, and restoring the hydraulic capacity of historic and natural drainages to pre-event conditions were achieved in these areas.

Two CWRP projects constructed at Falls Creek Ranch provided engineered road crossings in areas with recognized flooding problems, provided basins for debris and sediment to settle, and repaired severe erosion in drainage channels with recognized vertical cutting. Flooding, debris, and sediment laden waters will continue to impact the specific project sites for years to come because areas upstream of the project sites were impacted by the 416 Fire. However, the implemented projects have had the immediate desired results of slowing and safely passing drainage flows through the Falls Creek Ranch and additionally will benefit the health of the watershed and prevent flooding for communities downstream. The two project areas are especially critical as they allow safe egress for homeowners' primary access road, Falls Creek Main.

One CWRP project implemented at James Ranch provided an appropriately sized, reinforced, engineered, and armored outflow channel for the sluice structure that was installed in the Animas Consolidated Ditch to manage large post-fire debris flows across the valley and to protect agricultural interests. Operators can now confidently adjust the gate's position and fully open the sluice structure to divert large debris flows as intended.

Chris Sturm



Final Report Issued for 2023 Flood Threat Bulletin Forecasting Season

2023 marked the 18th season of flood season meteorological forecasting for flood hazards in Colorado. The Flood Threat Bulletin is issued daily from May 1st through September 30th to delineate the expected flood risk in all areas of the state for that day. The threat to burn scars are also listed separately on a daily basis. In addition, 2-week forecasts are issued twice per week on Tuesday and Friday. In addition, a graphical summary of the prior day's precipitation is issued each morning during the forecasting season. The website for this program is www.coloradofloodthreat.com and forecasts are issued by Dewberry, the CWCB's program consultant.

Even with the slow monsoon season, there were 72 flood threats issued, which represents an above average season. Of these threats, 33 were Low threats, 32 Moderate and 7 High threats. Areas over the Palmer Ridge saw up to 40 days with flood threats issued, while the normally active San Juan Mountains only saw up to 15 days. This is the lowest number of flood threats issued for western Colorado since at least 2016.

The Fire Burn Forecast (a recent update to the program) continued to be a successful addition to the Program with high viewership on disseminated forecasts. The same 11 burn areas from 2022 were forecast for again this season, but with higher rainfall intensity threshold). There were 13 flood events over the burn areas this season. Seven of these occurred on Cameron Peak, and there was a water rescue from the event on July 20th where an estimated 1.3 inches of rain fell in 3 hours. Grizzly Creek had four flood events this season, three directly related to rainfall and one due to snowmelt. The remaining two reports were on East Troublesome and Spring Fires.

Each year following the forecast season, the program performs a self-assessment of accuracy in its forecasting performance. Forecast verification metrics were some of the best in Program history. This is the third time since 2014 that all the Program's goals were met. This season also saw the lowest all-time False Alarm Rate at 9%, which should help increase confidence in the forecasts that are issued. The Miss Ratio was at 14% (1% below the goal) and the Probability of Detection was 86%. Metrics would have slightly improved if PM Updates were included in the analysis, as they occasionally were on active days. These seasonal stats should boost confidence for Program end-users.

This season saw the largest increase in email subscribers with 278 by the end of the season, up from 165 in 2022. Website viewership was down this season compared to last year but fell in line with Program averages while continuing to see increased viewership on days with a threat issued. Social media accounts on X (formerly Twitter) and Facebook also had increases in viewership, proving value in disseminating Program information across the various platforms.

(Kevin Houck)

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. To date, we have received over 130 map revision requests and we currently have ongoing cases in Boulder, Douglas, El Paso, Gilpin, Jefferson, Larimer, Montrose, Pueblo, Routt, Elbert, San Miguel, Weld, and Yuma, Counties.

January 2024 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. Hydrology was approved November 28, 2023. FEMA is making a shift to 2-Dimensional (2D) hydraulic modeling. Managing the 2D models has typically been more resource-intensive. During the transition period (that will take 5 to 10 years) CWCB is verifying with the communities that they agree with receiving the 2D hydraulic modeling instead of the traditional 1D hydraulic modeling. Town of Alma has requested 1D models in their area, and both the Town of Fairplay and County have confirmed use of the 2D modeling. CWCB is working with communities to provide appropriate flood hazard products considering available community resources, information technology infrastructure, local support, etc.
- Logan County: The County has been suspended from the NFIP. The County's NFIP participation status does not impact progress for the ongoing Risk MAP project. Phase 2 Memoranda of Agreement (MOAs) with the Town of Fleming and City of Sterling. The County does not wish to sign an MOA. Hydrology is being reviewed and hydraulic modeling is underway. CWCB is working with the City of Sterling to address existing issues with accurate corporate boundaries as soon as possible.
- Adams and Arapahoe Counties: Pertinent BLE data has been provided to MHFD for their future use (CWCB will not study these areas further). Portions of the counties outside the MHFD, will continue through the Risk MAP process that is being implemented in other counties across the state. This will result in revised flood hazard information for areas outside MHFD. CWCB is obtaining input from Adams County communities on the Discovery materials for the CWCB areas

and will plan to hold the Arapahoe County Discovery meeting in the near future. Phase 2 kickoff meetings will be held in the coming months.

- Morgan County BLE: CWCB staff met with City of Brush staff to discuss the Risk MAP project in more detail – specifically relative to Beaver Creek. Review of the City’s archived historic flooding information (from 1965 and earlier) took place along with a field visit to gain additional information on flow splits downstream of Brush that may have the potential to impact the Town of Hillrose.
- Weld Countywide: A countywide BLE/Discovery effort is ongoing for all flooding sources with drainage areas > 1-square mile. This countywide study will not include flooding sources recently updated with the CHAMP project (summarized below). A kickoff meeting with communities will be held in the near future and meeting materials are currently being reviewed by CWCB.

The Colorado Hazard Mapping Program (CHAMP) Physical Map Revisions (PMRs): The CWCB was able to leverage funds from FEMA to continue getting several CHAMP studies incorporated into updated Flood Insurance Rate Maps (FIRMs) and Flood Insurance Studies (FISs) through the FEMA Physical Map Revision process. CHAMP involved analyzing major streams across various Colorado counties (following the devastating 2013 flooding along the Front Range) 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: CWCB is waiting on a revised LFD date from FEMA’s contractor since all comments relative to the revised preliminary mapping were not received until mid-December. Approximately 3.7 miles along Left Hand Creek downstream of the Geer Canyon/Left Hand Creek confluence will be restudied as recommended by the Scientific Review Panel (SRP). The restudy impacts portions of three FIRM panels. These panels will reflect the current effective flood hazard data until the restudy is completed. The resulting updates to these three panels will become effective through a future LOMR that will follow the MT-2 revision process.

A LOMR is being completed to reflect CHAMP data for over 6,000 feet along Geer Canyon Creek and approximately 12,000 feet along Left Hand Creek (upstream of the SRP area). Stream reaches included in the LOMR are well outside the SRP area.

- Weld County PMR: Weld County PMR revised Flood Insurance Study (FIS) and Flood Insurance Rate Maps (FIRMs) became effective on 11/30/2023.

The City of Longmont extends into both Weld and Boulder Counties. Longmont has opted to split their flood hazard information at the Boulder/Weld County line. This impacts three FIRM panels that were previously included in the Boulder County PMR that will now be part of the Weld County flood hazard information. These three panels reflect updated flood hazard data for portions of the City of Longmont and make up the Longmont PMR. The three panels had a 90-day appeal period that ended November 7, 2023. No comments/appeals were received. FEMA’s contractor is working through remaining processes and CWCB expects to have an LFD date in the next few months.

- Larimer County PMR: Due process for this project has ended and there were several comments/appeals received. Valid Appeal items have been resolved and revised preliminary FIRM panels were issued on 10/16/2023. Due to additional information received, CWCB may

need to pull a few panels in the county and either handle updates with a separate map revision or produce another revised preliminary in the coming months. CWCB, its contractor, FEMA and FEMA's contractor are coordinating on this effort. No date has been provided for the anticipated LFD. There are two ongoing LOMRs that will update flood hazard information. One is along Boxelder Creek near the Town of Wellington and one is along the Cache la Poudre River and includes revisions near N. College Avenue and also near E. Harmony Road and I-25.

- Phillips County Phase 4: The 90-day appeals/comment period closed on June 27th. FEMA received one package regarding revised hydrology and hydraulics- from CDOT during due process. FEMA's contractor is reviewing the package contents to determine if it is a valid appeal and the path forward. FEMA's contractor will reach out to CDOT for remaining data as needed.
- Phillips Countywide: CWCB held the countywide Discovery meeting in January 2023, and we are preparing for a Phase 2 kickoff meeting in the near future. This study covers the portion of Phillips County not included in the Phase 4 project. The BLE hydraulics were approved by FEMA's contractor. CWCB received FEMA HQ approval to apply for a waiver to a recent BLE DFIRM database requirement to complete the Discovery Phase of this project. The requirement will only apply to studies funded with FEMA FY2024 funding. The project will move ahead with Data Development (Phase 2).
- Sedgwick County: A countywide BLE/Discovery effort has begun for flooding sources with drainage areas greater than a square mile that weren't updated with the CHAMP project that became effective in May 2021. A project kickoff meeting was held November 3, 2023. Materials for a Discovery meeting are being reviewed by CWCB and a corresponding meeting will be held in the next month.

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

- Eagle County Physical Map Revision Phases 2-3: The revised preliminary products were distributed November 30, 2023. CWCB is working with Basalt to address questions and revise a mapping area along the Roaring Fork River near the Eagle/Pitkin County line. CWCB is also working with our contractor to pursue a LOMR for the impacted area within Basalt. CWCB is also working with our contractor to address flood hazard mapping along the Roaring Fork River that impacts areas within both Eagle and Pitkin Counties.
- Garfield County Phase 2-3: CWCB met with the City of Glenwood Springs regarding flood hazard mapping through portions of the City. The City has confirmed that they want regulatory mapping based on clear water conditions. CWCB, its contractor and the City to discuss/confirm outstanding issues associated with hydraulic modeling approaches for the North Glenwood Springs area. There is now a clear path to move forward.
- Summit County BLE/Phase 2: Hydrology was approved December 13, 2023 and survey data was approved December 11, 2023. CWCB is completing checks with communities on using 2D or 1D hydraulic modeling as the project moves into hydraulic modeling.

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

- Delta County Phase 2-3. Distribution of preliminary FIRMs and FIS products were distributed November 21, 2023. CWCB is coordinating with communities to schedule both the Consultation

Coordination Officer (CCO) meeting and public meetings for early February. The state-funded Minnesota Creek LOMR hydraulic modeling has been through an internal review with our contractor. CWCB and its contractor will schedule a meeting to discuss results of the existing conditions flood hazard areas prior to submitting the package to FEMA for review.

- Ouray County PMR: The Ouray County PMR went effective January 11, 2024. The county now has updated, flood hazard mapping for some major flooding sources.
- Ouray Countywide BLE: Hydraulic modeling for the countywide BLE/Discovery effort (for drainage areas greater than 1 square mile) has been completed. The countywide project does not include flooding sources included in the Ouray County PMR. Discovery meeting materials are being finalized for a kickoff meeting with communities that will be scheduled in the coming weeks.
- Gunnison County PMR: Hydraulic modeling had been approved by FEMA. Meanwhile, CWCB is waiting for the communities to come to an agreement on the Gunnison River hydraulic modeling. Gunnison County has expressed concerns regarding receiving 2D hydraulic modeling products along the Gunnison. They are requesting consideration of a 2D-informed 1-dimensional (1D) model for portions of the major flooding sources for regulatory purposes. The City of Gunnison and Gunnison County are hoping to work on an agreement that Gunnison County areas will mostly be 1D hydraulic models, while Gunnison River hydraulic modeling through the City will remain a 2D model. As of late December, there was little support for the County to move forward with this agreement.

CWCB and FEMA are considering reducing the PMR scope to only include Coal Creek revisions near Crested Butte. CWCB worked with FEMA to determine a more representative flood hazard mapping approach within Crested Butte that includes a number of shallow flooding areas as opposed to a standard floodway delineation. If the PMR scope is reduced to Coal Creek, this would require the remaining PMR flooding sources to be revised in conjunction with the Countywide BLE project.

- Gunnison Countywide BLE: We are currently working with the county to get concurrence on the proposed path forward and scope of work for the County. Concerns revolve around the hydraulic modeling methodologies to be used for certain flooding sources, as the County would prefer to have as many 1D models as possible. CWCB has agreed to provide the 1D products in areas with significant development pressure. County staff are working to approve a revised MOA for the BLE project to move forward. They will make another presentation to the Board of County Commissioners in the near future.

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

- Alamosa County BLE: BLE and draft mapping data for Phase 1 of the countywide study is wrapping up modeling near the City of Alamosa. Discovery meeting materials are being prepared. CWCB has coordinated with the City of Alamosa, USACE and FEMA, as the city works toward certification for portions of the existing levee system along the Rio Grande River. After verifying the USACE funding was not able to be used to assist the community with levee issues, it was determined that CWCB will continue the flood hazard delineation study in Alamosa County through the Risk MAP process. Rather than duplicate efforts within Alamosa County, USACE Albuquerque Division will repurpose their funding to address project needs in other watersheds where they have jurisdiction. The City is looking to apply for other funding to assist

in getting the levee certified so FEMA can accredit portions of the levee system for flood protection purposes.

- Costilla County Phase 2-3: CWCB continues working with our contractor to cover additional data development for required stream reaches that are now included (since we have high-resolution LiDAR data). Hydraulic modeling is scheduled for submittal to FEMA's for review at January 31, 2024.
- Mineral County/City of Creede LOMR: Mineral County completed due process without comments. Flood Hazard Determination Notices review comments are being addressed and for the Flood Elevation Determination docket.

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 has been completed. CWCB has worked with FEMA and the community to provide representative shallow floodplain mapping options for appropriate overbank areas along Georgia Gulch. Once data development is completed, CWCB will coordinate with the communities and hold a Resilience meeting.
- Chaffee County Phase 2: Hydrology was approved November 27, 2023 and our contractor is working on hydraulic modeling. Consultation with the communities resulted in leaving the effective approximate floodplain delineation (Zone A) as is for the Chalk Cliffs area. Proposed development in this area will trigger additional geological hazards information from developers to support the development effort. More information on non-regulatory product development may be revisited in the future if desired by the County.
- Custer County BLE: CWCB has been working with FEMA to accommodate community requests for revised or newly identified flood hazard mapping for streams near existing communities. Additional approximate flood hazard mapping requested will result in better mapping for impacted communities on four flooding sources near the Town of Westcliffe. This approximate flood hazard mapping will inadvertently extend into portions of unincorporated Custer County to confluence with Grape Creek.
- Pueblo County BLE: CWCB is working with our contractor to scale back the original Phase 2, Year 1 scope that included the pre-levee assessment efforts (as requested by FEMA). CWCB is reviewing the draft revised scope that includes both the language and level of detail that aligns with FEMA's authority relative to levees. Once approved, we will continue with the data development phase of this study.
- Huerfano County Phase 2: CWCB has coordinated with incorporated communities and Huerfano County on mapping of floodways and shallow flooding areas along the major flooding sources. CWCB is working with FEMA on approved mapping approaches.
- Bent County: This floodplain mapping project is on hold as CWCB and FEMA allow the Arkansas River Conservancy District (levee sponsors) to work towards completing the Arkansas River South Levee analysis and certification. There was a meeting December 5, 2023 to discuss proposed approaches for levee certification. The existing levee has previously provided flood protection to the City of Las Animas and portions of unincorporated Bent County. The levee sponsors are working with their contractor to obtain certification and accreditation for the levee

so the revised flood hazard mapping would reflect this levee segment 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. In addition, CWCB provided state funding to develop an Emergency Preparedness Plan and Interior Drainage Analysis for this levee. The EPP has been provided to CWCB for review. Both the EPP and Interior Drainage Analysis products are required as part of the certification and will be included by the levee sponsors as part of their levee certification package. CWCB has made a one-time funding contribution for the sponsors to complete the geotechnical evaluation. Results of the being completed to provide an accurate assessment and identification of the level of effort needed for work associated with obtaining levee certification.

- Otero County: Hydraulic modeling comments on more representative were received November 17, 2023. This will update floodplain mapping in the Apishapa River area. The delay due to revised hydraulics pushes the next community meeting into the next few months.
- El Paso Phase 2 and Templeton Gap (T-Gap) Levee: Data Development continues for updated hydraulic modeling for the El Paso countywide Risk MAP study. Hydrology has already been submitted to FEMA for review. CWCB has provided funding to support coordination between our Risk MAP team and the LOMR Review Partners Team to coordinate consistency in hydrologic and hydraulic modeling approaches consistent with the ongoing study for development projects underway and proposed within these communities. The study also includes addressing data gaps noted in the Templeton Gap pre-levee analyses. While the levee has been shown to provide flood protection in the past, it is not certified/accredited. CWCB's team is working with the City of Colorado Springs, the USACE and FEMA on updated flood hazard mapping in this area. Certification is required to allow the revised flood hazard mapping to reflect the levee providing flood protection. The City of Colorado Springs has funded revised hydrology for the Templeton Gap area that will be used in the hydraulic updates. CWCB is working with El Paso County to determine if recent flooding events will warrant some study adjustments along isolated flooding reaches.
- Las Animas County Phase 2: We are repurposing FEMA FY22 grant funds originally identified for Phase 3 and 4 tasks to help cover the data development for community-requested additional flooding sources. Hydrology and hydraulics revisions are underway.
- Fremont County Phase 2: We are wrapping up detailed hydraulic model development for Phase 2. Floodway development is also taking place. Data will be provided to FEMA for review and approval in the near future. CWCB is preparing to hold a flood risk review meeting with communities in the coming weeks. The base model engineering has already been submitted for FEMA review and resulting comments are being addressed.
- Prowers County Phase 2: Base floodplain models are complete and approved. Floodway analysis will be performed in coordination with communities and submitted for FEMA review and approval now that base models are finalized. The Flood Risk Review meeting is anticipated to take place in the coming weeks.
- Towns of Granada/Holly/Lamar (Prowers County) Pre-Levee assessments: The Lamar Levee Analysis and Mapping Procedure (LAMP) is being reviewed. State-funded Interior Drainage Reports and Emergency Preparedness Plans (EPPs) have been reviewed by CWCB and we are wrapping up comments/input by the communities for inclusion into the EPPs.

- Kiowa County: A countywide BLE/Discovery effort was initiated for all flooding sources with drainage areas greater than a square mile within the county. A kickoff meeting with communities took place in December and we will hold a Discovery meeting in the next couple of months.
- Baca County: The project kickoff meeting was held and we're wrapping up the BLE modeling. The Discovery products are being prepared for a meeting with communities in the next few weeks.
- Crowley County: A countywide BLE/Discovery effort was initiated for all flooding sources with drainage areas greater than a square mile within the county. A kickoff meeting with communities will be scheduled soon.

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

- Moffat County: Hydraulic models for specific flooding sources have been approved by FEMA. CWCBC finally received FEMA approval on recommended mapping options along Fortification Creek within the City of Craig. We are proceeding with the updated floodplain mapping and hope to share results with the communities very soon.

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):
 - o La Plata County PMR– We finally issued the Letter of Final Determination (LFD) on October 25, 2023. The revised flood hazard data will become effective April 25, 2024.
 - o Archuleta County PMR– The revised flood hazard information went effective October 6, 2023. Will remove this line item for the next report update.
 - o San Juan County PMR – The San Juan County PMR was completed and revised flood hazard data went effective on May 5, 2023. Will remove this line item for the next report update.
- 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. Comments were addressed and resubmitted for backcheck. The Phase 2 scope of work will be finalized for detailed study stream reaches once Phase 2 kickoff meetings take place. These meetings will be held with communities and tribal nations impacted by flood hazard modifications. Efforts to get these scheduled are expected to take place over the next few weeks. With FEMA approval, CWCBC will reallocate funding from the Phase 3-4 scopes of work tasks to accommodate the study of additional streams that were requested by communities during the Discovery meetings in May 2022. Additional funding for re-scoping the Phase 3-4 tasks will be requested in a future FEMA CTP grant cycle.

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. CWCB's Contractor is addressing comments on the hydrology submittal. Hydraulic modeling preferences between 1D and 2D modeling approaches were confirmed with communities.
- Mesa County Phase 2: Hydraulics for the Colorado River are approved. The remaining countywide flood hazard mapping is under FEMA for review and we expect approval in the coming weeks.
- 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. This project was presented during the annual Association of Stormwater and Floodplain Managers conference in mid-May 2023 and preliminarily shown to the Mesa County floodplain administrator in September 2023.
- Hinsdale County/Lake City Partial Countywide: The revised 90-day appeal and comment period wrapped up on November 2, 2023. No comments or appeals have been received to date and we're moving forward with the LFD preparation.
- Hinsdale Countywide BLE: We are currently following up with communities on the Phase 2 scope of work and should be kicking off field survey efforts very soon.
- Teller County Phase 2: CWCB's Contractor has completed the revised hydrologic analyses for Trout Creek and Fountain Creek. Additional analyses were required to verify flows were reasonable and in line with existing flood flows for the same flooding sources in adjacent counties. Updated reports on the results will soon be shared with the appropriate communities and sent in to FEMA for review/approval. Newsletters regarding the revisions will be shared as well.
- San Miguel Countywide BLE: A countywide BLE/Discovery effort has started initial modeling. An in-person kickoff meeting with communities will be scheduled in the coming months. CWCB and its contractor will be coordinating with communities on identifying new and/or updating effective flood hazard for flooding sources with drainage areas greater than 1 square mile that were not included in the San Miguel PMR (more updates under the CHAMP Ph3 category below).
- Lincoln Countywide: A countywide BLE/Discovery effort has begun for flooding sources with drainage areas greater than a square mile that were not included with the ongoing Lincoln County PMR revisions (summarized below). CWCB's Contractor has completed the BLE modeling, and a Discovery meeting will be scheduled with communities to review results very soon.
- 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 flooding along the Front Range. This bill released funding to better assess and map various flood related hazards, including debris flows and erosion, throughout Colorado. In this phase CWCB funded a paper inventory reduction effort through various counties across the state. This would replace and update effective FIRM panels with updated digital flood hazard information. Counties that were affected by 2013 floods where local conditions were clearly changed. Several county

projects that were scoped as part of this CHAMP effort are still ongoing, including the ones listed below.

- San Miguel County: This PMR has been on hold for over 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 an ongoing 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: The appeal period ended on September 29, 2023. Neither FEMA nor CWCB received additional information. We are working to prepare the final mapping and reporting. The Letter of Final Determination is scheduled to be issued March 12, 2024.
- Saguache County: Floodplain mapping has been approved by FEMA for all areas submitted outside of the Town of Crestone. The preliminary products were distributed on January 12, 2024 and the community has 30 days to review and provide feedback on the preliminary products.

(Terri Fead, Marta Blanco Castaño)

WATER SUPPLY PLANNING SECTION UPDATES

January 2024 Director's Report - Water Supply Planning

Director's Report Paragraph: The Water Supply Planning Section has advanced several efforts related to the Water Plan. The CWCB-led Urban Landscape Conservation Task Force finalized its work to continue making progress on Water Plan Action 1.7 to identify turf replacement options that support transformative landscape change. The final report will be released in late January and contains recommendations from the task force, as well as areas for continued research, and other similar efforts to watch in Colorado. The meeting recordings are available on CWCB's Youtube channel. On January 8th, CWCB and the Colorado Climate Center were happy to release the updated [Climate Change in Colorado Report](#). The report is a synthesis of climate science relevant for management and planning for Colorado's water resources. Russ Sands, Kat Weismiller, and Emily Adrid spoke to several media outlets about this report's findings. Thank you for funding this important effort since 2021 - this report will be an important part of Water Plan Action 4.8. In the coming weeks Water Supply Planning staff will be reaching out to the basin roundtable chairs to give a short presentation about the progress on the CWCB Guide and get an initial round of BRT feedback on the proposed content. Stay tuned for those updates. As of 1/11 four southern Colorado counties (Conejos, Costilla, Alamosa, Rio Grande) were experiencing areas of D3 drought after over three months at D2. These areas will continue to be monitored for drought risk, and staff encourage folks from those areas to attend and report on conditions at the next Water Conditions Monitoring Committee (formerly the Water Availability Task Force) which will also provide an update on the latest snowpack, reservoir levels and other important indicators. The next WCMC will be on January 23, 2024.

Water Supply Reserve Fund Grants Director's Report – January 2024

WATER SUPPLY RESERVE FUND GRANTS:

The following table summarizes the Water Supply Reserve Fund Grants \$50,000 and under were approved by the CWCB Director, Lauren Ris, on December 18, 2023.

Basin	Applicant/Grantee	Name of Water Activity	Basin(s) Account Request	Statewide Account Request	Total Request	Staff Funding Recommendation
Gunnison	Western Landowner's Alliance	Tongue Creek Meander Bend Reconstruction	\$25,000	\$0	\$25,000	\$25,000

INSTREAM FLOW

Instream Flow Workshop

Each year, the CWCB's Stream and Lake Protection Section hosts an annual workshop that provides state and federal agencies and other interested persons an opportunity to recommend certain stream reaches or natural lakes for inclusion in the State's Instream Flow (ISF) Program. The entities that make ISF recommendations will present information regarding the location of new recommendations as well as preliminary data in support of the recommendation. There will be an opportunity for interested stakeholders to provide input and ask questions. CWCB staff will provide an overview of the ISF Program and the new appropriation process, along with an update of pending ISF recommendations from previous years.

The second half of this workshop will focus on a partnership between the Colorado Water Trust (Water Trust), and the Colorado Water Conservation Board (CWCB) on a strategic approach to ISF water acquisitions to preserve or improve the natural environment. This Request for Water Acquisitions Process is intended to accomplish several goals: to proactively invite voluntary water right offers for ISF use from willing water rights owners; to provide a user-friendly mechanism for water rights owners to investigate working with CWCB and the Water Trust on ISF acquisitions; to streamline transaction processes and utilization of resources; to facilitate implementation of Colorado's Water Plan objectives; and to add flows to river segments in need while coordinating with agricultural and other uses. Topics covered will include the timeline, available stream restoration and transaction tools, and information a water right owner needs to provide to initiate participation in the Process.

Date: February 8, 2024

Time: 4:00-6:00 PM

Location: Virtual Registration: <https://www.eventbrite.com/e/2024-instream-flow-workshop-tickets-777972114537>

January 29-30, 2024 Board Meeting Instream Flow and Natural Lake Level Program Summary of Resolved Legal Protection Cases

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

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

Staff has resolved issues of potential injury in the following water court cases. Staff had filed Statements of Opposition in the several cases listed below; and obtained an agreement via a letter-in-lieu of filing a Statement of Opposition in one other case.

A. STATEMENTS OF OPPOSITION

(1) Case No. 20CW3216 (Water Division 1) - Application of City and County of Broomfield

The Board ratified this Statement of Opposition at its March 2021 meeting. Applicant requested “Change of Water Rights, Storage Rights, Underground Water Rights, and Plan for Augmentation Including Exchanges”. Staff, in cooperation with the Attorney General’s Office, has negotiated a settlement to ensure that the CWCB’s instream flow water rights will not be injured. CWCB’s stipulation was approved by the Court on January 9, 2024. This case remains pending and is set for a 15-day trial to begin on August 12, 2024.

The CWCB holds appropriated instream flow ("ISF") water rights, including the following, in Water Division 1 in the St. Vrain watershed that could be injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
W-7636 (1974)	Boulder Creek	PSC Hydro Plant outfall	75th Street bridge	15 (1/1 - 12/31)	10/01/1973
80CW0379	South Boulder Creek	USGS Gage 06729500	South Boulder Road bridge	2 (10/1 - 4/30) 15 (5/1 - 9/30)	12/02/1980

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

- “No priority is assigned for any depleted reaches resulting from the storage described in the preceding sentence. Exchanges to any such depleted reaches may be operated under a subsequently adjudicated exchange right or pursuant to an appropriately approved administrative exchange.”
- “Any use of the Subject Water Rights by any persons or entities other than Broomfield that is authorized pursuant to a lease entered into with Broomfield shall only be made under substitute water supply plans or interruptible supply plans approved by the State Engineer pursuant to C.R.S. § 37-92-308, C.R.S. § 37-92-309, or successor statutes, or under subsequent decreed plans for augmentation.”
- “Water released pursuant to the decree in Case No. 16CW3160 from the Gross Reservoir Environmental Pool for instream flow purposes in accordance with the Water Delivery Agreement between the City of Boulder and CWCB dated September 9, 2019 (attached to the decree in Case No. 16CW3160 as Exhibit 1 (“Water Delivery Agreement”)) and/or released from Gross Reservoir for instream flow use in accordance with paragraphs 11.b and 14 of the decree in Case No. 17CW3212 is

not legally available for diversion into the Community Ditch and therefore shall not be diverted into the Community Ditch.”

(2) Case No. 21CW3044 (Water Division 2) - Application of Triview Metropolitan District

The Board ratified this Statement of Opposition at its November 2021 meeting. Applicant requested a “Change of Water Rights”. Staff, in cooperation with the Attorney General’s Office, has negotiated a settlement to ensure that the CWCB’s instream flow water rights will not be injured. CWCB’s stipulation was approved by the Court on December 22, 2023. This case is scheduled for a five-day trial beginning April 1, 2024.

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

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
79CW0115	Cottonwood Creek	confl M&S Cottonwood Creeks	confl Arkansas River	20 (1/1 - 12/31)	03/14/1979

Applicant has clarified the recharge operation and how it will be tracked. Applicant corrected its initial HCU analysis. And, in addition to standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicant has agreed to additional protective terms and conditions, including the following:

- “Triview’s use of the Recharge Facility and AVIC Ditch to replace its return flow and Ditch Loss obligations will replicate the historical return flow pattern in timing, location, and amount.”
- “The Division Engineer or his or her designated representative shall administer all water transported in the stream past intervening headgates to ensure that such water is not intercepted or otherwise diminished in quantity by diversions or use and to assure that such water remains available for Triview’s use. In the event that delivery past headgates or other structures requires installation of a bypass structure or use of an existing bypass structure, Triview shall be responsible for either installing a new bypass structure with a continuous recording device as approved by the Water Commissioner or securing authorization to use an existing bypass structure and providing such information to the Division Engineer.”
- “Triview agrees to include the following provision in future water supply contracts or leases of the Subject Water Right: “Triview does not allow the use of, and the Lessee will not use, the Subject Water Right by direct use, augmentation, replacement, or exchange within or upstream of a decreed instream flow reach if such use will deprive the decreed instream flow of water it is entitled to by priority unless waived by the Colorado Water Conservation Board (“CWCB”) consistent with the CWCB Board procedures and law allowing such action. Any such use will be deemed a violation of the terms of this Lease.” Triview agrees to conform future water supply contracts or leases of the Subject Water Right consistent with this provision.”

(3) Case No. 21CW3076 (Water Division 4) - Application of Elk Ridge Mining and Reclamation, LLC

The Board ratified this Statement of Opposition at its March 2022 meeting. Applicant requested “New Appropriation of Underground Water Right”. Staff, in cooperation with the Attorney General’s Office, has negotiated a settlement to ensure that the CWCB’s instream flow water rights will not be injured. CWCB’s stipulation was approved by the Court on January 4, 2024. This case remains pending before the water court Referee.

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

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
11CW0129	San Miguel River	confl Calamity Draw	confl Dolores River	325 (4/15 - 6/14) 170 (6/15 - 7/31) 115 (8/1 - 8/31) 80 (9/1 - 2/29) 115 (3/1 - 4/14)	01/25/2011
15CW3111	Dolores River	confl San Miguel River	private road bridge	900 (4/15 - 6/14) 400 (6/15 - 7/15) 200 (7/16 - 8/14) 100 (8/15 - 3/15) 200 (3/16 - 4/14)	01/28/2014

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

- Applicant has included in the decree specific detailed terms and conditions that would be invoked during administration of CWCB’s downstream instream flow water rights on the San Miguel and Dolores Rivers.

(4) Case No. 20CW3187 (Water Division 5) - Application of Compass For Lifelong Discovery and The Aspen School District

The Board ratified this Statement of Opposition at its March 2021 meeting. Applicants requested a “Change of Water Rights and Approval of an Amended Plan for Augmentation with Appropriative Right of Exchange”. Staff, in cooperation with the Attorney General’s Office, has negotiated a settlement to ensure that the CWCB’s instream flow water rights will not be injured. CWCB’s stipulation was approved

by the Court on December 28, 2023. This case remains pending before the water court Referee.

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

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
W-2938 (1976)	Woody Creek	headwaters	confl Roaring Fork River	6 (1/1 - 12/31)	01/14/1976
85CW0646	Roaring Fork River	confl Maroon Creek	confl Fryingpan River	30 (10/1 - 3/31) 55 (4/1 - 9/30)	11/08/1985
85CW0639	Roaring Fork River	confl Fryingpan River	confl Crystal River	75 (10/1 - 3/31) 145 (4/1 - 9/30)	11/08/1985

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

- Applicant has included in the decree specific detailed terms and conditions that would be invoked during administration of CWCB's downstream instream flow water rights on Woody Creek and the Roaring Fork River.

(5) and (6) Case Nos. 21CW3085 and 21CW3086 (Water Division 5) - Application of Elk Run Ranch Aspen Holdings, LLC and 4303 Snowmass Creek, LLC

The Board ratified these Statements of Opposition at its September 2021 meeting. Applicants requested "Conditional Storage Water Rights" (3085) and "Approval of Plan for Augmentation and Appropriative Right of Exchange" (3086). Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured. CWCB's stipulations were approved by the Court on December 5, 2023. Once all parties stipulated, the 3-day trial that was set to begin on December 11, 2023 was vacated. The final decrees were entered on December 14, 2023.

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

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date

W-2941 (1976)	Capitol Creek	outlet Capitol Lake	confl Snowmass Creek	10 (1/1 - 12/31)	01/14/1976
W-2943A (1976)	Snowmass Creek	confl W Snowmass Creek	confl Capitol Creek	12 (4/1 - 10/15) Flowrate varies 7-12 (10/16-3/31)	01/14/1976
W-2943B (1976)	Snowmass Creek	confl Capitol Creek	confl Roaring Fork River	12 (4/1 - 10/15) 11 (10/16 - 3/31)	01/14/1976
85CW0639	Roaring Fork River	confl Fryingpan River	confl Crystal River	75 (10/1 - 3/31) 145 (4/1 - 9/30)	11/08/1985
85CW0646	Roaring Fork River	confl Maroon Creek	confl Fryingpan River	30 (10/1 - 3/31) 55 (4/1 - 9/30)	11/08/1985
92CW0280* (Div. 5)	Snowmass Creek	confl W Snowmass Creek	confl Capitol Creek	3 (4/1 - 10/15)	09/15/1992
92CW0281* (Div. 5)	Snowmass Creek	confl Capitol Creek	confl Roaring Fork River	10.5 (4/1 - 10/15)	09/15/1992

* Increased

In addition to standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicants have agreed to additional protective terms and conditions:

The Stipulation in Case No. 21CW3086 includes the following agreements:

- “Elk Run and CWCB agree that this Stipulation and any final decree entered in this case should not be construed as approval by the court or a concession by either Elk Run or the CWCB regarding Elk Run’s legal ability to use the Elk Run Pond System as an irrigation control structure. Additionally, the parties to this Stipulation reserve all issues and causes of action related to the proper place of use of any of the senior Walker Wonder Ditch direct flow water rights.”
- In the Order on the Motion for Determination of Question of Law dated November 10, 2023 the Court noted that Elk Run does not intend to obtain an order in this case authorizing use of its senior irrigation rights in the ponds, and that the dispute is not ripe for adjudication in this case. Order at 1. Elk Run and CWCB stipulate that any final decree entered in this case shall continue

to exclude language related to use of the Elk Run Pond System as an irrigation control structure (a.k.a. pumping forebay)."

The Proposed Decrees as part of the Stipulations in Case No. 21CW3086 and 21CW3085 include the following protective terms and conditions:

- "Amount: 9.0 acre-feet, conditional, cumulative for entire Elk Run Ranch Pond System, together with the right to 6.44 acre-feet of refill, such that total fill and refill is limited to 15.44 acre-feet annually. The augmentation plan decreed in Division 5 Water Court Case No. 21CW3086 covers out-of-priority diversions to refill in the amount of evaporation and stock watering depletions, but does not cover the first fill or any refill diversions made for other purposes.
- Diversion Rate: Not to exceed 0.51 cfs, for filling and refilling the ponds. No diversions in or through the ponds will occur under this water right once the volumetric limits have been reached.
- At times when the Elk Run Ranch Pond System decreed in this Case No. 21CW3085 is out-of-priority based upon a valid senior water right call, including the CWCB's instream flow rights decree in Case Nos. W2941 (76), W2943 (76), 85CW639, 85CW646, 92CW280, and 92CW281, diversions that cannot be augmented by the Plan for Augmentation decreed in Case No. 21CW3086 shall be curtailed.
- No flow-through water right has been claimed or is approved herein or shall be permitted under this decree.
- At times when all of the exchanges decreed herein are out-of-priority or otherwise not operating, including when the CWCB's instream flow water rights decreed in Case Nos. W2941 (76), W2943 (76), 85CW639, 85CW646, 92CW280, and 92CW281 or senior water priorities in the Walker Wonder Ditch, are not fully satisfied and being administered by a valid call, Applicants shall curtail out-of-priority diversions of the Pond System water right at the headgate of the Walker Wonder Ditch on Snowmass Creek and at its Splitter Box located in the Walker Wonder Ditch, and pond levels will lower commensurate with evaporation and stock watering depletions.
- All out-of-priority diversions into the Walker Wonder Ditch under the Pond System water right are fully consumed and must be replaced.
- Out-of-priority diversions under this augmentation plan are assumed to be 100% consumptive and will be fully replaced via exchange on a one-to-one basis."

(7) Case No. 21CW3110 (Water Division 5) - Application of Gateway of Snowmass Metropolitan District

The Board ratified this Statement of Opposition at its November 2021 meeting. Applicant requested "Approval to Amendments to Augmentation Plans and Appropriative Rights of Exchange". Staff, in

cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured. CWCB's stipulation was approved by the Court on November 8, 2023. This case remains pending before the water court Referee.

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

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
W-2941 (1976)	Capitol Creek	outlet Capitol Lake	confl Snowmass Creek	10 (1/1 - 12/31)	01/14/1976
W-2943 (1976)	Snowmass Creek	confl Capitol Creek	confl Roaring Fork River	12 (4/1 - 10/15) 11 (10/16 - 3/31)	01/14/1976
92CW0281*	Snowmass Creek	confl Capitol Creek	confl Roaring Fork River	10.5 (4/1 - 10/15)	09/15/1992
85CW0639	Roaring Fork River	confl Fryingpan River	confl Crystal River	75 (10/1 - 3/31) 145 (4/1 - 9/30)	11/08/1985
85CW0646	Roaring Fork River	confl Maroon Creek	confl Fryingpan River	30 (10/1 - 3/31) 55 (4/1 - 9/30)	11/08/1985

* Increased

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

- Applicant has included in the decree specific detailed terms and conditions that would be invoked during administration of CWCB's downstream instream flow water rights on Capitol Creek, Snowmass Creek, and the Roaring Fork River.

B. Letters-in-Lieu

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

(1) Case No. 23CW3025 (Water Division 6) - Application of Board of County Commissioners of the County of Moffat

During the October 2023 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. W-1331 (1977) on the Elk River. This case was resolved with CWCB by a letter agreement, dated December 28, 2023, by which CWCB agreed not to file a Statement of Opposition, provided Applicant incorporates certain 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. Applicant has agreed to the following:

- "The augmentation and exchange area does not include any of CWCB's instream flow water rights decreed at the time this water court application was filed".
- Moffat County also agrees that its proposed decrees, and any final decree entered in this case, will include a map of Moffat County's augmentation plan boundaries that illustrates CWCB's instream flow rights, in substantially the same form as the map filed with the Application in this case.



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

Lauren Ris, CWCB Director

TO: Colorado Water Conservation Board Members

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

Board Meeting: January 29-30, 2024 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:

- 2.10% - Agricultural
- 2.95% - Low-income Municipal
- 3.40% - Middle-income Municipal
- 3.80% - 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 0.80% for 10-year loans. Rates are increased by 0.25% for 40-year loans.

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





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Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Lauren Ris, CWCB Director

TO: Colorado Water Conservation Board Members

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

DATE: January 29-30, 2024 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	\$140,000
Louviers Water and Sanitation District	Regional Connection	TBD
City of Fort Collins	Irrigation Ditch Piping	\$20,000,000
City of Fort Collins	Halligan Reservoir Enlargement	\$120,000,000
Northern Colorado WCD	Windy Gap Firming (increase)	\$54,000,000
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
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 Water and Sanitation District	Reservoir Improvements	\$2,000,000
Cottonwood Water and Sanitation District	Reservoir Improvements	\$1,600,000
Arapahoe County W/WW Authority	Reservoir Improvements	TBD
Silver Lake Ditch Company	Tunnel Rehabilitation	\$150,000
Subtotal		\$2,773,290,000



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
Donala Water and Sanitation District	Ditch Construction	TBD
Mesa McKenna Mutual Ditch Company	Ditch Piping Project	TBD
Town of Avondale (*)	New Well	TBD
Fort Lyons Canal Company (+)	Diversion Structure Repair	\$500,000
Aguilar, Town of (#)	New Augmentation Reservoir	TBD
Huerfano County	Water Rights Purchase	\$1,200,000
Rocky Ford High Line Canal Company	Diversion Structure Repair	TBD
Lincoln Park Crooked Ditch Company	Ditch Rehabilitation	TBD
Huerfano Cucharas Irrigation Company	Reservoir Rehabilitation	\$200,000
Fruitland Water Company	Ditch Piping Project	\$400,000
Walsh, Town of	Water Rights Purchase	\$560,000
Deweese Dye Ditch Company	Outlet Pipe Rehabilitation	\$100,000
Subtotal		\$16,460,000
San Miguel/Juan		
Town of Bayfield	Ditch Piping Project	\$500,000
Redmesa Reservoir and Ditch Company(*)	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
Farmers Water Development Company	Reservoir Rehabilitation	TBD
Lone Cone Ditch and Reservoir Company	Reservoir Rehabilitation	TBD
Sellers McClane Reservoir and Ditch Co.	Reservoir Rehabilitation	TBD
Subtotal		\$22,000,000
Colorado		
Orchard Mesa Irrigation District	Lateral Piping	\$300,000
Silt Water Conservancy District	Harvey Gap Reservoir	\$300,000
Middle Ditch	Ditch Piping Project	TBD
New Multa Trina Ditch Company (#)	Ditch Piping Project	TBD
Gunther Covers	Christenson Dam	TBD
Town of Minturn	New Well Field	\$5,220,000
Flannery Water Company, LLC	Reservoir Rehabilitation	TBD
Fruita, City of	Reservoir Rehabilitation	TBD
Circle C Ranch	King Dam Rehabilitation	TBD
Royal Elk Ranch	Ditch Rehabilitation	\$2,000,000
Clifton Water District	New Reservoir	\$8,000,000
Subtotal		\$15,820,000



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
Gunnison		
Bostwick Park Water Conservancy District	Dam Construction	TBD
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
Project 7 Water Authority	Raw Water Pipeline	TBD
Subtotal		\$2,000,000
North Platte		
Colorado Parks and Wildlife (*)	North Michigan Creek Reservoir	\$6,000,000
Spicer Ranches, LTD	Reservoir Rehabilitation	TBD
Walden, Town of	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
Trinchera Groundwater Management Subdistrict	Water Rights Purchase	\$2,300,000
Subtotal		\$26,300,000
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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Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Lauren Ris, CWCB Director

To: Colorado Water Conservation Board Members

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

Board Meeting: January 29-30, 2024 Board Meeting

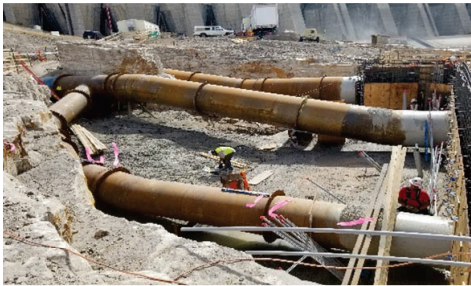
Directors Report: Water Project Loan Program, Design & Construction Status Report

The CWCB Loan Program has Substantially Completed (10) projects in Calendar Year 2023 as shown in the Table. There are currently (55) projects authorized to receive loan funding totaling \$433M. There are (50) projects currently under contract and in the Design/Construction phase totaling \$234M. 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. cwc.colorado.gov/loans-grants/water-project-loan-program

	Borrower	Project	County	Loan Amount	Complete
1	Southeastern Co Water Conservancy District	Pueblo Dam Hydroelectric Project	Pueblo	\$17,392,200	1/1/23
2	Arapahoe County Water and Wastewater Authority	Chambers Reservoir Liner Rehabilitation	Arapahoe	\$4,404,000	3/1/23 (a)
3	Logan Irrigation District	Prewitt Reservoir Rehabilitation	Logan	\$1,257,750	3/1/23 (b)
4	North Sterling Irrigation District	North Sterling River Diversion Replacement	Logan	\$3,532,980	3/1/23
5	Morrisania Water Supply Company	Ditch Rehabilitation Project	Garfield	\$101,000	5/1/23
6	South Platte Ditch Company	Diversion Structure Rehabilitation	Washington	\$1,453,779	5/1/23
7	Deuel and Snyder Improvement Company	Diversion Structure Replacement	Morgan	\$638,776	5/1/23
8	Trinchera Conservancy District Groundwater Management	Alpha Hay Farms Augmentation	Conejos	\$2,251,290	6/1/23
9	Spring Dale Ditch Company	Diversion Structure Replacement	Logan	\$1,216,243	6/1/23
10	Sunnyside Park Ditch Company	Sunnyside Park Ditch Piping	Chaffee	\$510,915	8/1/23
			Total	\$32,394,933	

Calendar Year 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		



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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 begin 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.

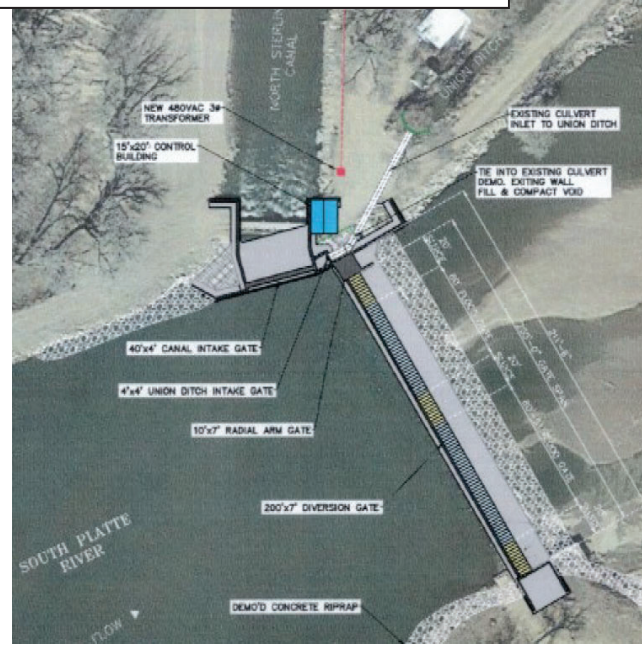
P R O J E C T D A T A		
<i>Sponsor:</i> Logan Irrigation District	<i>County:</i> Logan	<i>Water Source:</i> South Platte River
<i>Type of Project:</i> Dam Rehabilitation		<i>Board Approval Date:</i> March 2021
<i>Loan Terms: (Original)</i> \$1,578,630.00 @ 0.70% <i>(Final)</i> \$1,257,781.27 @ 0.70%		
<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)</i> \$3,532,980 @ 0.85% <i>(Final)</i> \$3,532,980 @ 0.85%		
<i>Design Engineer:</i> Harris Engineering Consultants, Inc.		
<i>Contractor:</i> Concrete Specialties and Utilities Construction, Inc.		



Ditch Rehabilitation Project

Morrisania Water Supply Company
Substantially Complete May 1, 2023

The Morrisania Water and Supply Company's ditch had a 1,350 ft segment (seen in photo below on the left) that was losing as much as 20% of flows through seepage. The Ditch Rehabilitation Project restored the headgate to reduce risk of failure and piped the 1,350 ft of ditch to reduce seepage and evaporative losses.



Project Description

The Morrisania Water Supply Company, established in 1910, owns and operates diversion and supply infrastructure primarily for irrigation, which is supplied with water from Battlement Creek. The Company serves 65 shareholders on 880 acres.

The Ditch Rehabilitation Project focused on the aging headgate and a 1,350-foot reach of ditch which experienced notable losses due to seepage, preventing the ditch from delivering the Company's full water rights. To address these issues, the Company rehabilitated the headgate with new concrete in areas that had spalled and cracked, as well as piped the ditch with 24-in HDPE. Work took place between October 2022 and January 2023.

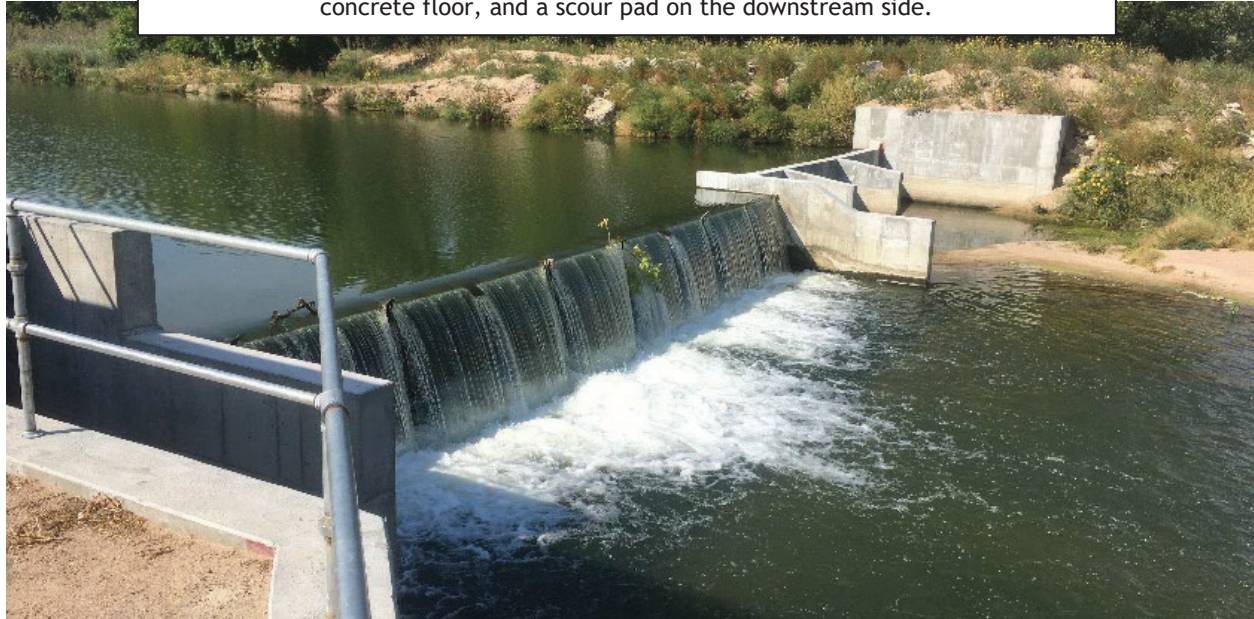
P R O J E C T D A T A		
<i>Sponsor:</i> Morrisania Water Supply Co	<i>County:</i> Garfield	<i>Water Source:</i> Battlement Creek
<i>Type of Project:</i> Ditch Rehabilitation		<i>Board Approval Date:</i> September 2022
<i>Loan Terms: (Original)</i> \$141,400.00 <i>(Final)</i> \$101,000.00 @ 2.45% for 20 years		
<i>Design Engineer:</i> JUB Engineering		
<i>Contractor:</i> JC Excavating		



Diversion Structure Rehabilitation

South Platte Ditch Company
Substantially Complete May 1, 2023

The rehabilitated diversion structure offers more efficient and precise control of diversions into the South Platte Ditch. It features new bladder gates, and improved concrete floor, and a scour pad on the downstream side.



Project Description

The South Platte Ditch Company (Company) is a mutual ditch company that was incorporated in 1881. It provides direct flow irrigation water to 20 shareholders with approximately 4,440 acres in Washington and Logan counties between Atwood and Sterling. Shareholders grow primarily corn, alfalfa, beans, and sugar beets.

The original diversion structure was constructed in the early 1900s and underwent rehabilitation in 1997 to repair damage resulting from a flood in 1995. At that time, the Company decided to add a bladder gate, radial gate, and control building to improve operations. Since then, sand laden water damaged the bladder gate system, downstream concrete floor, and has eroded the downstream channel between 2 and 3 feet, with the downstream face of the structure being undermined. This project replaced the bladder gate components, overlaid the damaged structure floor, and installed a scour pad in the downstream channel floor with energy dissipation improvements. Construction began in December 2021.

P R O J E C T D A T A		
<i>Sponsor:</i> South Platte Ditch Company	<i>County:</i> Washington	<i>Water Source:</i> South Platte River
<i>Type of Project:</i> Diversion Replacement		<i>Board Approval Date:</i> May 2021
<i>Loan Terms: (Original) \$1,075,650 @ 1.10% (Final) \$1,453,779.19 @ 1.10%</i>		
<i>Design Engineer:</i> Harris Engineering Consultants, Inc.		
<i>Contractor:</i> Ransom Boone Excavating		

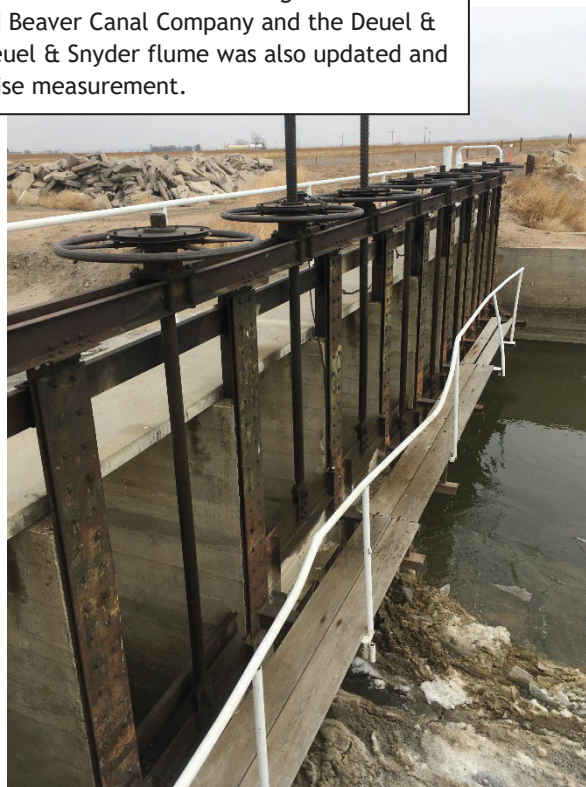


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Diversion Structure Replacement

Deuel and Snyder Improvement Company
Substantially Complete May 1, 2023

The new diversion structure spans the entire width of the river allowing for diversions into the canals of both the Upper Platte and Beaver Canal Company and the Deuel & Snyder Improvements Company (left). The Deuel & Snyder flume was also updated and allows for more precise measurement.



Project Description

The Deuel and Snyder Improvement Company (DSIC) was incorporated in 1884 and shares a diversion off the South Platte River with the Upper Platte and Beaver Canal Company (UOBCC). Together the two ditch companies provide irrigation water on 11,500 acres.

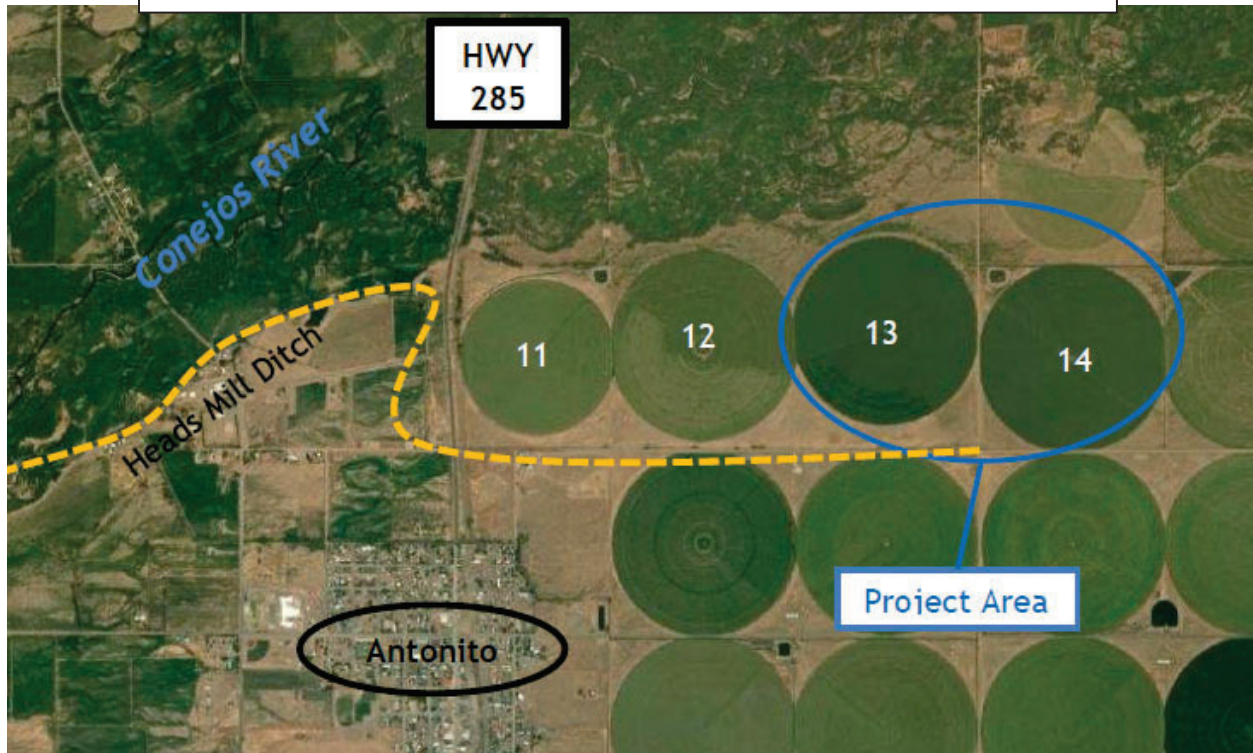
The existing diversion structure was a reinforced concrete slab and buttress with a height of 9 feet and a length of 1,416 feet. The diversion structure was originally built in 1936 and had improvements done in 1965. It had several deficiencies including seepage and erosion under the structure and concrete deterioration throughout the structure. The new structure incorporates inflatable crest gates spillways (Obermeyer gates) and restores the channel continuity, improves sediment transport, and provides additional flow conveyance during floods. This loan was for the DSIC share of the project costs for removal and replacement of the old structure.

P R O J E C T D A T A		
<i>Sponsor:</i> Deuel and Snyder Improvement Company	<i>County:</i> Morgan	<i>Water Source:</i> South Platte River
<i>Type of Project:</i> Diversion Replacement		<i>Board Approval Date:</i> March 2020
<i>Loan Terms: (Original)</i> \$649,430.00 @ 1.60% <i>(Final)</i> \$638,776.95 @ 1.60%		
<i>Design Engineer:</i> Harris Engineering Consultants, Inc.		
<i>Contractor:</i> Ransom Boone Excavating		



Alpha Hay Farms Augmentation
Groundwater Management Subdistrict
of the Trinchera Conservancy District
Substantially Complete June 1, 2023

The purchase of two center-pivot irrigation circles will allow the Subdistrict to transfer the associated water rights from an irrigation use to augmentation use so that 177 groundwater wells may continue to pump without injury to surface water rights holders.



Project Description

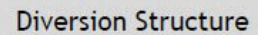
The Groundwater Management Subdistrict of the Trinchera Water Conservancy District was formed in 2018 in order to pursue a Groundwater Management Plan as an alternative to individual augmentation plans. The Subdistrict consists of 177 wells located in the confined and unconfined aquifers in the southern San Luis Valley.

The project included the purchase of land and associated water rights for two center-pivot irrigation circles northeast of Antonito for augmentation and replacement of depletions. These surface water rights provide 569 AF of consumptive use to replace depletions on the Conejos River and the Rio Grande caused by groundwater well pumping. Previously, the water was leased to the Subdistrict from landowner, Alpha Hay Farms, LLC. The purchase was executed on April 15, 2023.

P R O J E C T D A T A		
<i>Sponsor:</i> Groundwater Management Subdistrict of the Trinchera Conservancy District	<i>County:</i> Conejos	<i>Water Source:</i> Conejos River/Groundwater
<i>Type of Project:</i> Augmentation		<i>Board Approval Date:</i> November 2022
<i>Loan Terms: (Original)</i> \$2,251,290.00 @2.10% <i>(Final)</i> \$2,251,290.00		
<i>Design Engineer:</i> Agro Engineering Inc.		
<i>Contractor:</i> N/A		



Spring Dale Ditch Company
Substantially Complete June 1, 2023



The Spring Dale Ditch Company is a mutual ditch company and a non-profit corporation. The Company, located in Logan County, operates the Springdale Ditch for the benefit of 51 shareholders by providing direct flow irrigation water from the South Platte River to approximately 2,500 acres by means of a division structure on the South Platte and a headgate, located approximately 350 feet downstream of the diversion. Both structures were well maintained, but showed signs of deterioration in 2019. There were also operation concerns due to system configuration.

The project included complete removal of the existing structures and replacement with a single new structure near the preexisting structure. The new structure includes an inflatable crest gate spillway, intake structure headgate, and control building for automated control of the system. The new structure provides multiple benefits over the current system, including restoration of channel continuity, improved sediment transport along the river, improved fish passage, and a reduction in required dredging. In the course of the work, cost savings allowed the Company to include improvements to the measurement flume in addition to the original project scope.

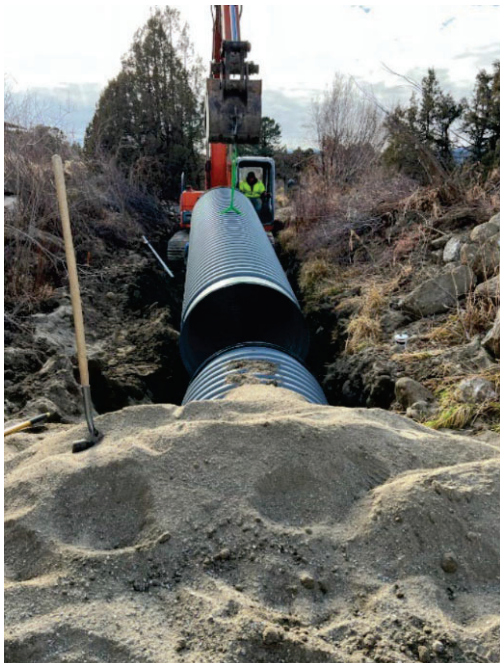
P R O J E C T D A T A		
<i>Sponsor:</i> Spring Dale Ditch Company	<i>County:</i> Logan	<i>Water Source:</i> South Platte River
<i>Type of Project:</i> Diversion Replacement		<i>Board Approval Date:</i> November 2019
<i>Loan Terms: (Original)</i> \$1,222,100.00 @ 1.45% <i>(Final)</i> \$1,216,243.14		
<i>Design Engineer:</i> Harris Engineering Consultants, Inc.		
<i>Contractor:</i> BTE Concrete Construction, Inc.		



Sunnyside Park Ditch Piping

Sunnyside Park Ditch Company
Substantially Complete August 1, 2023

The newly installed 3,000 feet of pipe will carry irrigation water below grade, reducing the risk that sluffing from the river bank will impede flows.



Project Description

The Sunnyside Park Ditch Company was incorporated in 1884 and provides direct flow irrigation water to 17 shareholders 5 miles northwest of Salida. The water is used year round for stock water, and from April through October for irrigation of about 1,000 acres. The upper portion of the ditch runs along the Arkansas River for approximately 2 miles, and passes by two growing subdivisions south of SH 291.

The project piped approximately 3,000 feet of the ditch where it passes near the two subdivisions. The ditch had failed multiple times in this area prior to the project, and Natural Resource Conservation Service (NRCS) identified it as needing treatment. Piping the ditch in this area eliminated ditch failures and seepage losses, and reduce overall maintenance requirements. The project was primarily funded with NRCS grant funds, a Chaffee County Common Ground grant, Colorado State Conservation Board grant funds, and a WSRF grant approved at the March 2022 CWCB Board Meeting in the amount of \$127,300. The loan covered interim project costs. Construction began in September of 2022 and was completed in the spring of 2023.

P R O J E C T D A T A		
<i>Sponsor:</i> Sunnyside Park Ditch Company	<i>County:</i> Chaffee	<i>Water Source:</i> Arkansas River
<i>Type of Project:</i> Ditch Piping		<i>Board Approval Date:</i> July 2022
<i>Loan Terms: (Original)</i> \$654,480.00 <i>(Final)</i> \$510,915.02 @ 1.00% for 30 years		
<i>Design Engineer:</i> Natural Resources Conservation Service		
<i>Contractor:</i> H&T Construction, LLC.		

PROJECTS UNDER CONTRACT

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
Amity Mutual Irrigation Company	Queen Reservoir Dam Rehabilitation	Arkansas	CT2021-2224	\$2,600,000	Joshua Godwin	100%	5%	Construction to begin in April 2024.
Billings Ditch Company	Billings Ditch Implementation Project	Rio Grande	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 final punch list items.
Board of Water Works of Pueblo	Southside Diversion Dam Improvement Project	Arkansas	CT2024-1240	\$9,750,000	Cole Bedford	100%	0%	The project will update a large diversion structure on the Arkansas River. Design work is complete. Project Bidding took place in September 2023. Construction work is currently underway and expected to be complete in Spring 2024.
Breckenridge, Town of	Goose Pasture Tarn Dam Rehabilitation	Colorado	CT2023-0673	\$13,000,000	Cole Bedford	100%	98%	The project has been under construction since 2020. This loan is intended to cover the costs of the second half of the project which is starting in the fall of 2022. The first draw took place in December 2022. Construction will continue into 2024.
Crawford Clipper Ditch Company	Crawford Clipper Ditch Improvements	Gunnison	CT2024-2009	\$750,000	Joshua Godwin	50%	0%	Contract signed for both loan and WSRF.
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. Subsequent engineering work suggests that project costs will exceed current funding. The Town is currently focused on securing additional funds.
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.
East Mesa Water Company	East Mesa Emergency Ditch Repair	Colorado	CT2024-2668	\$414,000	Joshua Godwin	25%	0%	Collier geophysics visiting site Nov 13th to map out geology and confirm alignment.
Florida Consolidated Ditch Company	Hess Lateral Improvement	Southwest	CT2019-2034	\$1,075,000	Kirk Russell	100%	0%	Company received a Water Smart Grant in Aril 2023. This \$2M will help cover the increase of construction costs since the original bid in 2020. Project remains onhold. Staff changes and funding complications. grant contracts have been extended.
Florida Consolidated Ditch Company	Florida Canal Diversion Replacement	Southwest	CT2021-2890	\$750,000	Matt Stearns	100%	0%	This project is the replacement of a low head dam diversion structure with multibeneficial outcomes. Construction began October 2023 and expects to be complete in December 2023.
Fort Morgan Farms, LLC	Delta Water Storage Phase 1	South Platte	CT2021-2222	\$8,982,000	Cole Bedford	100%	75%	The Delta Storage Project will construct a below grade storage reservoir. The loan covers the cost of constructing a slurry wall around the reservoir to isolate future stored water from existing groundwater. The slurry wall is complete. Pump Station const next
Fort Morgan Reservoir and Irrigation Company	Augmentation Pump Replacement Project	South Platte	CT2023-3300	\$1,753,000	Cole Bedford	100%	98%	Construction is complete on new pumps and new pump house. One final pay request is expected for final punch list items and a pressure relief valve then the loan will be closed out.
Fruitland Irrigation Company	Tunnel and Canal Renovation	Gunnison	CT2019-2848	\$1,729,000	Kirk Russell	100%	80%	Company may need to request additional loan funds. Contracts have been extended.
Genesee Water and Sanitation District	Geneee Reservoir No. 1 Enlargement	South Platte	CT2021-2851	\$5,500,000	Cole Bedford	100%	98%	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.
Glenwood Springs, City of	System Redundancy and Pre-Treatment Improvements	Colorado	CT2021-3104	\$8,000,000	Cole Bedford	100%	99%	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 Grizley Creek Fire in 2020. Construction on all portions of the project are complete. The loan will be closed out in June 2024.
Grand Junction, City of	Carson Reservoir Dam Rehabilitation	Gunnison	CT2021-3110	\$4,300,000	Joshua Godwin	100%	98%	Fill test complete. Waiting for final documents and approval from Dam Safety to substantially complete the project.
Grand Junction, City of	Kannah Creek Flowline Replacement	Gunnison	CT2023-0568	\$3,200,000	Joshua Godwin	100%	98%	Construction complete. Advertisement to realize final retainage being sent out. Awaiting final invoices.
Grand Junction, City of	Purdy Mesa Flowline Replacement	Gunnison	CT2021-2857	\$7,000,000	Joshua Godwin	90%	50%	Grand Junction's half of construction complete. Working through easement acquisition for second half. Expecting to start second half in early 2024.
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.
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.

PROJECTS UNDER CONTRACT

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
Groundwater Management Subdistrict of CCWCD	Pioneer Reservoir	South Platte	CT2019-3687	\$8,611,000	Cole Bedford	75%	75%	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.
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.
Keensburg, Town of	Alluvial Water Rights Extension Project	South Platte	CT2024-2007	\$2,100,000	Joshua Godwin	0%	0%	Contact made with new town manager and working through process to purchase water rights.
Last Chance Ditch Company	Measurement Structure Reconstruction Project	South Platte	CT2024-3122	\$196,000	Cole Bedford	0%	0%	
Lookout Mountain Water District	Upper and Lower Beaver Brook Dam Rehabilitation	South Platte	CT2021-3115	\$3,500,000	Joshua Godwin	100%	75%	New gate was on back order. Recently received but has caused delays. Substantial completion expect first half of 2024. Will need contract extension.
Montezuma Valley Irrigation Company	Beaver Creek Ditch Repairs	Southwest	CT2024-3135	\$1,400,000	Joshua Godwin	0%		
North Poudre Irrigation Company	Park Creek Expansion Project	South Platte	CT2023-2593	\$6,480,000	Cole Bedford	60%	5%	Project is currently in the design phase for a dam height increase which will increase reservoir storage space. Some clearing took place over the winter as well as stockpiling material.
Ogilvy Augmentation Company	Loloff Reservoir Acquisition	South Platte	CT2024-2004	\$1,129,000	Joshua Godwin	100%	95%	Funds sent to cover the purchase of Loloff Reservoir. Scheduling final site visit.
Ogilvy Irrigating and Land Company	Seely Reservoir Dredging	South Platte	CT2019-2099	\$2,252,000	Joshua Godwin	85%	0%	OILC is obtaining county permits to cross county road with haul trucks. They plan to construct in the early 2024.
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.
Oxford Farmers Ditch Company	Chicosa Siphon Repair	Arkansas	CT2024-2720	\$1,500,000	Joshua Godwin	95%	25%	Custom lining is in the process of the cleaning the inside of the siphon - preparing the pipe for the spray on liner. Lining expected by mid-December.
Platte Valley Irrigation Company	Platte Valley Reservoir No. 1	South Platte	CT2024-2005	\$4,500,000	Joshua Godwin	80%	0%	Final design submitted for Dam Safety review.
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.
Rio Grande Water Conservation District Subdistrict No. 5	Saguache Pipeline	Rio Grande	CT2021-3846	\$6,020,000	Cole Bedford	100%	50%	Working on well owner agreement and Project easement agreements. Loan increase request in January 2023. Bidding is complete and work is underway.
Root and Ratliff Ditch Company	Ditch Piping and Rehabilitation	Southwest	CT2022-2976	\$300,000	Kirk Russell	100%	99%	Project is nearly complete. All pipe is in place. Final grading and seeding is done. SC expected in spring 2024
Smith and Emmons Ditch Company	Diversion Structures Replacement Project	South Platte	CT2023-2473	\$410,000	Cole Bedford	100%	10%	Contractor has been selected and preliminary materials purchased. A subsequent WPG will cover a portion of the project costs. Once that is contracted, work is expected to get underway.
Special Improvement District No. 3 of the RGWCD	Alpha Hay Farms Augmentation	Rio Grande	CT2023-2843	\$2,555,000	Cole Bedford	100%	0%	Pay Requests for the initial land purchase was approved at the end of April. Construction work that will be ongoing into 2024.
Special Improvement District No. 4 of the Rio Grande WCD	Peachwood Farms Augmentation & Sustainability	Rio Grande	CT2023-3361	\$3,456,000	Cole Bedford	100%	50%	Contract is complete and ready to disburse funds. The first pay request for land purchase is expected in spring 2023 after which some construction work will take place.
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 2024.
Triview Metropolitan District	Stonewall Springs Reservoir Complex	Arkansas	CT2022-3328	\$5,151,000	Kirk Russell	100%	75%	Work is complete. Dist is requesting additional loan funding in Nov '23 from CWCBC.

PROJECTS UNDER CONTRACT

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
41 Tunnel Water Company	West Half Laramie-Poudre Tunnel Rehabilitation	North Platte/South Platte	CT2019-3706	\$17,830,000	Kirk Russell	100%	98%	Construction was completed in spring of 2022 after delays due to Cameron Peak wildfire. After the '22 irrigation season a warranty inspection found and a large portion of the tunnel lining caved in. This repair was made in the winter of 22/23. Continued discussion re cost increase responsibility.
42 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.
43 Twin Lakes Reservoir and Canal Company	Grizzly Reservoir Rehabilitation	Colorado	CT2024-2006	\$9,833,000	Joshua Godwin	95%	0%	Construction delayed until summer of 2024
44 Uncompahgre Valley Water Users Association	Taylor Park Hydro Powerplant Project	Gunnison	CT2023-2565	\$1,685,000	Cole Bedford	100%	30%	This project will construction a hydropower plant at the toe of Taylor Reservoir Dam. Preliminary materials purchase and design work is complete. Construction is currently underway.
45 Victor, City of	Victor Reservoir No. 2 Dam Rehabilitation	Arkansas	CT2021-3873	\$510,000	Kirk Russell	100%	99%	Construciton delay until May 2024 due to supply delivery schedules. Town removed portion of outlet tower and DWR/Dam Safety issued a fill restriction. Project is complete. City determining amount of cash funds they will use.
46 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.
47 Windy Gap Firming Project Water Activity Enterprise	Windy Gap Project (Chimney Hollow Reservoir)	South Platte	CT2021-2039	\$65,650,000	Cole Bedford	100%	30%	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.
48	Grand Valley Water Users Association	Colorado	CT2022-2084	\$1,066,000	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 of the power generation facility completed in November 2022. The powerplant is producing power (up to 3.2 MW as of July 2023) via a temporary interconnect with Xcel Energy, and will be fully operational in March 2024 via a permanent interconnect.
	Orchard Mesa Irrigation District		CT2022-0892	\$1,066,000				
49	Cottonwood Water and Sanitation District	South Platte	CT2015-0105	\$1,674,000	Cole Bedford	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, pumppp 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	\$2,105,000				
	Pinery (Denver SE Water and Sanitation District)		CT2015-0086	\$1,413,130				
50	Cottonwood Water and Sanitation District	South Platte	CT2015-0104	\$363,600	Cole Bedford	98%	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 \$236,743,230

APPROVED PROJECTS - NOT CONTRACTED

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
1 Southeastern Colorado Water Conservancy District	Arkansas Valley Conduit	Arkansas	CT2024-XXXX	\$90,000,000	Kirk Russell	0%	0%	Federal Funding will control the scheduled use of these funds
2 Logan Irrigation District	Prewitt Reservoir Rehabilitation	South Platte	CT2023-XXXX	\$1,831,000	Cole Bedford	0%	0%	This Project is currently on hold. Related work on the Prewitt Dam was completed in the fall of 2022 and dredging work may go forward in the fall of 2023.

PROJECTS UNDER CONTRACT

PROJECT						STATUS		
Borrower	Project Name	Basin	Contract #	Amount	Manager	Design	Construction	Update
3 Colorado City Metropolitan District	Lake Beckwith Dam Modifications	Arkansas	CT2024-XXXX	\$3,333,000	Joshua Godwin	0%	0%	
4 Orchard City Irrigation District	Fruitgrowers Reservoir Gates Replacement	Gunnison	CT2024-XXXX	\$500,000	Joshua Godwin	0%	0%	
5 Northern Colorado Water Conservancy District - Northern Integrated Supply Project Water Activity Enterprise	Northern Integrated Supply Project	South Platte	CT2024-XXXX	\$101,000,000	Cole Bedford	15%	0%	2024 Projects Bill

NOT UNDER CONTRACT SUB \$196,664,000

GRAND TOTAL \$433,407,230

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

LOAN REPAYMENT DELINQUENCY

Loan repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2023 through December 2023 to date of report. 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 2024 total 302. Two Rivers is currently delinquent. All other payments are current.

LOAN FINANCIAL ACTIVITY

Loan financial activity relative to the Water Project Construction Loan Program for Fiscal Year 2024 is summarized as follows:

Funds received relative to loans in repayment totaled \$20.0M for this year.

Funds disbursed relative to new project loans totaled \$7.4M for this year.

Net activity resulted in \$12.6M 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 \$7.8M in receipts and \$2.5M in disbursements for a total net activity of \$5.3M received over disbursed.

The STPBF consists of \$12.2M in receipts and \$4.9M in disbursements for a total net activity of \$7.3M received over disbursed.

CONSTRUCTION FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2023	\$ 465,287	\$ 266,231	\$ 731,518	\$ -	\$ 731,518
August 2023	\$ 334,830	\$ 245,660	\$ 580,490	\$ 424,515	\$ 155,975
September 2023	\$ 1,504,037	\$ 1,064,945	\$ 2,568,981	\$ 74,424	\$ 2,494,557
October 2023	\$ 430,797	\$ 254,046	\$ 684,843	\$ 1,259,623	\$ (574,780)
November 2023	\$ 281,375	\$ 100,316	\$ 381,691	\$ 230,595	\$ 151,097
December 2023	\$ 1,640,029	\$ 1,242,210	\$ 2,882,239	\$ 520,382	\$ 2,361,857
January 2024			\$ -		\$ -
February 2024			\$ -		\$ -
March 2024			\$ -		\$ -
April 2024			\$ -		\$ -
May 2024			\$ -		\$ -
June 2024			\$ -		\$ -
FY 2023 Totals	\$ 4,656,355	\$ 3,173,408	\$ 7,829,762	\$ 2,509,538	\$ 5,320,224

SEVERANCE TAX TRUST FUND PERPETUAL BASE ACCOUNT

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2023	\$ 129,659	\$ 85,540	\$ 215,199	\$ 97,653	\$ 117,547
August 2023	\$ 1,272,582	\$ 1,008,689	\$ 2,281,271	\$ 284,533	\$ 1,996,739
September 2023	\$ 4,178,352	\$ 939,983	\$ 5,118,335	\$ 225,715	\$ 4,892,620
October 2023	\$ 1,558,589	\$ 1,554,513	\$ 3,113,102	\$ 1,699,570	\$ 1,413,532
November 2023	\$ 307,016	\$ 183,794	\$ 490,810	\$ 1,907,139	\$ (1,416,329)
December 2023	\$ 569,308	\$ 397,621	\$ 966,929	\$ 696,689	\$ 270,240
January 2024			\$ -		\$ -
February 2024			\$ -		\$ -
March 2024			\$ -		\$ -
April 2024			\$ -		\$ -
May 2024			\$ -		\$ -
June 2024			\$ -		\$ -
FY 2023 Totals	\$ 8,015,507	\$ 4,170,141	\$ 12,185,647	\$ 4,911,298	\$ 7,274,349

GRAND TOTAL	\$ 12,671,861	\$ 7,343,548	\$ 20,015,410	\$ 7,420,836	\$ 12,594,573
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COLORADO

Colorado Water Conservation Board

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

January 15, 2024

Members of the 2024 Colorado General Assembly

Re: CWCB - Small Project Loan Report
Loans Approved in Calendar Year 2023
Construction Fund and Severance Tax Perpetual Base Fund

Pursuant to C.R.S. § 37-60-122(b), the Colorado Water Conservation Board (CWCB) is submitting the attached written determination of the basis for all loans under \$10,000,000 authorized during the 2023 calendar year. The report will be presented to the CWCB at the January 29-30, 2024 Board meeting.

The report will be posted on the web at www.leg.colorado.gov and on the CWCB website www.cwcb.state.co.us. A copy of the report has been submitted to the Legislative Library, Room 029 of the State Capitol Building. Paper copies of the Report can be made available upon request.

If you have questions or need additional copies of the report, please contact Daphne Gervis, Legislative Liaison, at 303-866-3311 x8664.

Sincerely,

Lauren Ris, Director
Colorado Water Conservation Board



Colorado Water Conservation Board

CONSTRUCTION FUND AND SEVERANCE TAX PERPETUAL BASE FUND

SMALL PROJECT LOAN REPORT (2023 CALENDAR YEAR)



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources

Colorado Water Conservation Board
Department of Natural Resources

January 15, 2024

PREFACE

Pursuant to Section 37-60-122(b) of the C.R.S. the Colorado Water Conservation Board (CWCB) is required to submit a report by January 15th of each year to the Colorado General Assembly describing the basis of all Construction Fund and Severance Tax Perpetual Base Fund loans authorized by the CWCB under \$10,000,000. This report fulfills the CWCB reporting obligations for those “Small Project” loans for Calendar Year 2023.

The report includes a summary spreadsheet identifying each loan approval date, the project sponsor or borrower, the project name, the loan amount, and the name of the County and River Basin where the project is located. There were 13 new loan projects under \$10,000,000 approved by the CWCB in Calendar Year 2023. The total loan value is approximately \$38 million.

Included in the report is a loan project Data Sheet for each new loan project. The Data Sheet includes a project description, project location map, and other pertinent loan and project information.

January 15, 2024

**Colorado Water Conservation Board
Small Project Loans
For Calendar Year 2023**

	Date Approved	Borrower	Project	Amount Approved	Funding Source*	County	Basin
1	1/24/2023	Platte Valley Irrigation Company	Platte Valley Reservoir No 1 Construction	\$ 4,500,000	ST	Weld	South Platte
2	1/24/2023	Twin Lakes Reservoir and Canal Company	Grizzly Reservoir Rehabilitation	\$ 9,833,000	ST	Pitkin	Colorado
3	1/24/2023	Fort Morgan Reservoir and Irrigation Company	Augmentation Pump Replacement Project	\$ 1,753,000	ST	Morgan	South Platte
4	1/24/2023	Ogilvy Augmentation Company	Loloff Reservoir Acquisition	\$ 1,129,000	ST	Weld	South Platte
5	1/24/2023	SID No 4 of the Rio Grande Water Conservation Dist.	Peachwood Farms Augmentation and Aquifer Sustainability	\$ 3,456,000	ST	Saguache	Rio Grande
6	3/16/2023	Board of Water Works of Pueblo	Southside Diversion Dam Improvement Project	\$ 9,750,000	ST	Pueblo	Arkansas
7	3/16/2023	Colorado City Metropolitan District	Lake Beckwith Dam Modifications	\$ 3,300,000	ST	Pueblo	Arkansas
8	5/17/2023	Crawford Clipper Ditch Co	Crawford Clipper Ditch Improvements	\$ 750,000	ST	Delta	Gunnison
9	9/20/2023	East Mesa Water Company	East Mesa Emergency Ditch Repair	\$ 414,000	ST	Garfield	Colorado
10	9/20/2023	Oxford Farmers Ditch Company	Chicosa Siphon Repair	\$ 1,500,000	ST	Otero/Pueblo	Arkansas
11	11/15/2023	Montezuma Valley Irrigation Company	Beaver Creek Ditch Repairs	\$ 1,400,000	ST	Dolores	Dolores
12	11/15/2023	Orchard City Irrigation District	Fruitgrowers Reservoir Gates Replacement	\$ 500,000	ST	Delta	Gunnison
13	11/15/2023	Last Chance Ditch Company	Measurement Structure Reconstruction Project	\$ 196,000	CF	Weld	South Platte

Total Amount Approved in 2023

\$ 38,481,000

*Indicates whether the funding source is from Construction Fund (CF) or Severance Tax Fund (ST)

Loan Increases in 2023

1	1/24/2023	SID No 5 of the Rio Grande Water Conservation Dist.	Saguache Pipeline Project	\$ 1,176,000	CF	Saguache	Rio Grande
2	1/24/2023	Tunnel Water Company	West Half Laramie Poudre Tunnel Rehabilitation	\$ 750,000	CF	Larimer	No. Platte/So. Platte
3	7/19/2023	Amity Mutual Irrigation Company	Queen Reservoir Dam Rehabilitation	\$ 1,270,000	ST	Kiowa	Arkansas
4	7/19/2023	Inverness Water and Sanitation District	Water Infrastructure and Supply Efficiency Project	\$ 692,000	CF	Douglas/Arapahoe	South Platte
5	7/19/2023	Cottonwood Water and Sanitation District	Water Infrastructure and Supply Efficiency Project	\$ 558,000	CF	Douglas/Arapahoe	South Platte
6	11/15/2023	Triview Metropolitan District	Stonewall Springs Reservoir Complex	\$ 420,000	CF	Pueblo	Arkansas

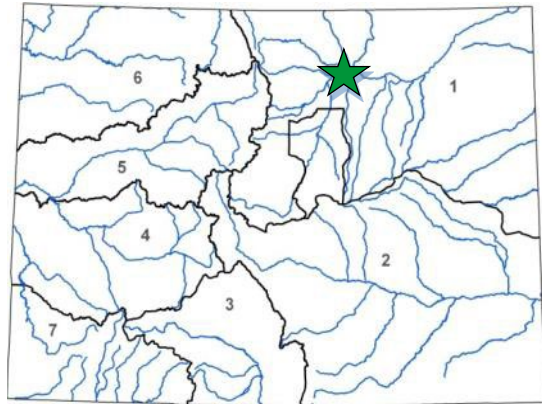


Platte Valley Reservoir No. 1

Platte Valley Irrigation Company

January 2023 Board Meeting

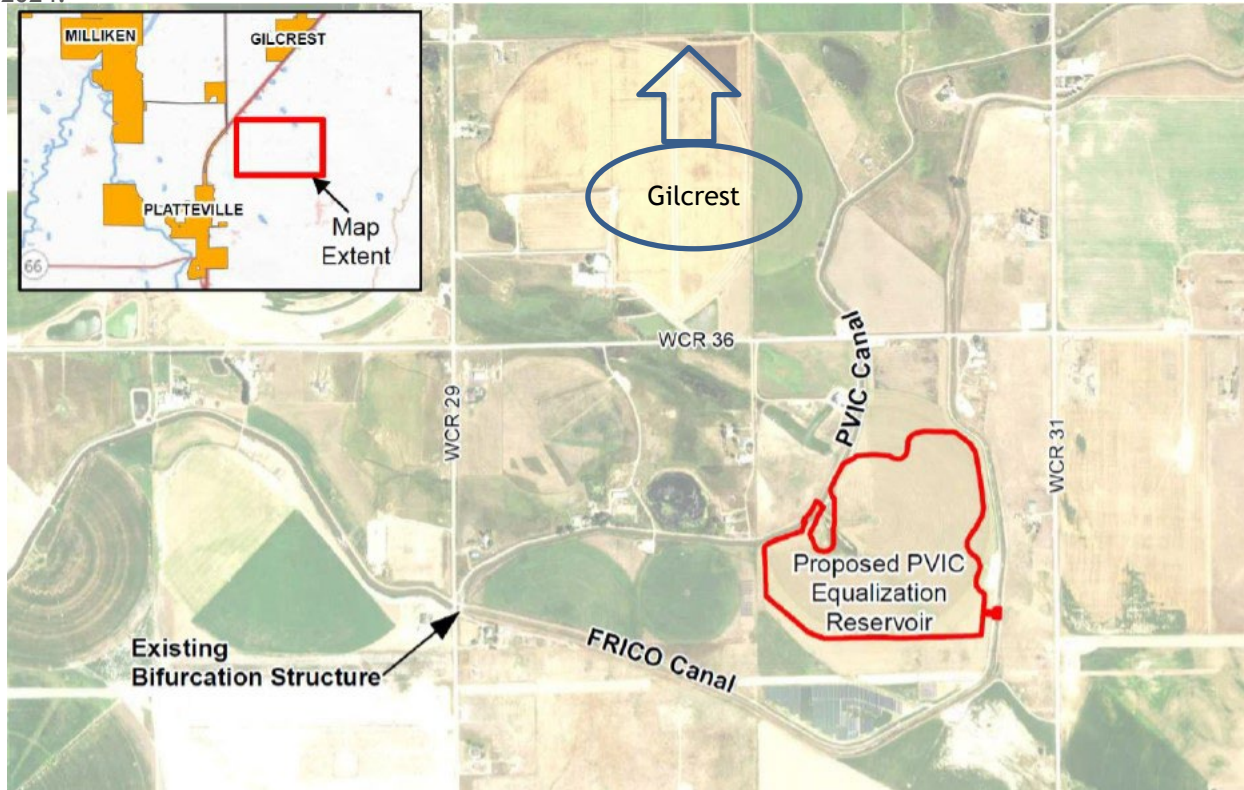
L O A N D E T A I L S	
Project Cost:	\$6,503,000
CWCB Loan (with 1% Service Fee):	\$4,545,000
Loan Term and Interest Rate:	30 Yrs @ 1.85%
Funding Source:	Severance Tax PBF
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
92%	0% Low - 8% Mid - 0% High 0%
P R O J E C T D E T A I L S	
Project Type:	Reservoir New
Storage Created:	232 AF
Average Annual Diversions:	27,898 AF



The Platte Valley Irrigation Company was incorporated in 1883 and currently diverts irrigation water from the South Platte via the Platte Valley Canal, which the Company jointly owns with Farmers Reservoir and Irrigation Company (FRICO) until it bifurcates into the Evans No. 2 Ditch (PVIC Canal) owned by the Company and the FRICO Canal. Additionally, the Company owns 2,513 units of CB-T water. From these two sources, the Company supplies 79 shareholders in a service area with 14,832 acres of irrigated farmland. Corn, alfalfa, and grain are the primary crops grown in the service area.

L O C A T I O N	
County:	Weld
Water Source:	South Platte
Drainage Basin:	South Platte
Division:	1 District: 2

The project will construct a new equalization reservoir at the upstream end of the PVIC Canal to help mitigate the impacts of diurnal fluctuations in the system, particularly for users near the end of the canal and will also provide additional storage during free river conditions. The loan will pay for construction of the reservoir, including a bifurcation structure and reservoir inlet works, a dam embankment, outlet works, and an emergency spillway. Construction is expected to begin in mid 2023, and finish in early 2024.



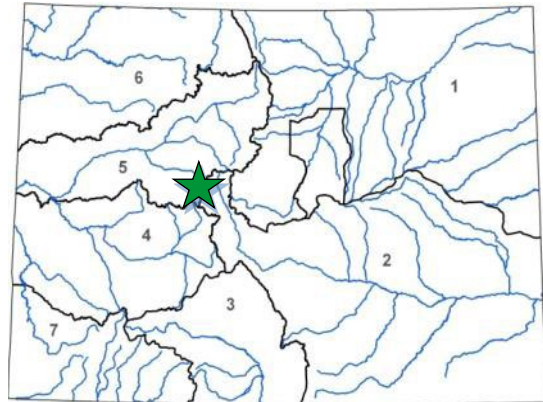


Grizzly Reservoir Rehabilitation

Twin Lakes Reservoir and Canal Company

January 2023 Board Meeting

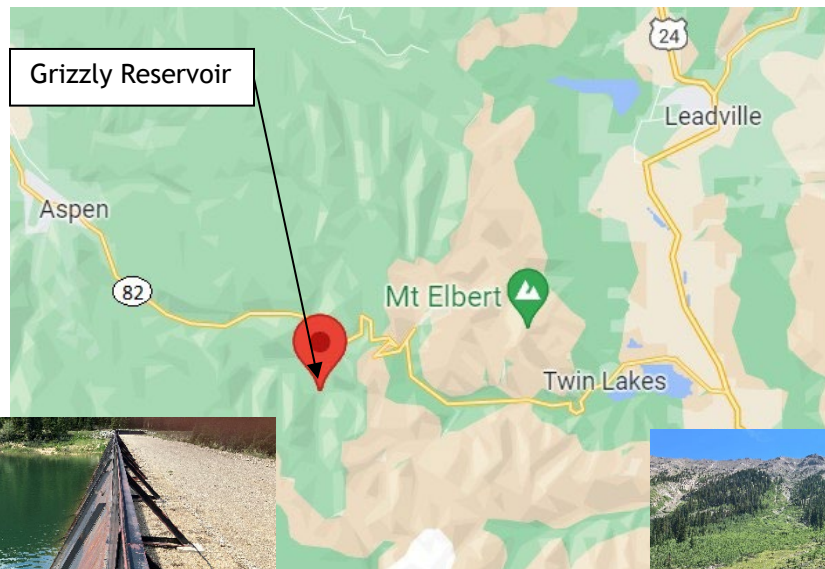
L O A N D E T A I L S	
Project Cost:	\$9,833,000
CWCB Loan (with 1% Service Fee):	\$9,931,330
Loan Term and Interest Rate:	30 Yrs @ 2.90%
Funding Source:	Severance Tax PBF
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
2%	24% Low - 72% Mid - 0% High 2%
P R O J E C T D E T A I L S	
Project Type:	Reservoir Rehabilitation
Average Annual Delivery:	51,430 AF



The Twin Lakes Reservoir and Canal Company was formed in 1897 and operates the Independence Pass Transmountain Diversion System. The system collects water from a 45 square mile area in the Upper Roaring Fork River basin in Grizzly Reservoir and diverts it east under the continental divide via the Twin Lakes Tunnel to Twin Lakes Reservoir. The Company serves 240 shareholders and the water can be used for all beneficial purposes.

L O C A T I O N	
County:	Pitkin
Water Source:	Roaring Fork
Drainage Basin:	Colorado
Division:	5 District: 38

The project will include work on both the dam and tunnel. The dam is a high hazard rockfill embankment with an upstream steel plate face, while the concrete tunnel is approximately 4 miles long and 12 feet in diameter. The project will address safety concerns identified on the dam by the Colorado Dam Safety Branch including seepage issues and corrosion and thinning of the steel plate, as well as improving operational issues of the tunnel including increased access for debris removal at the intake structure and new inlet gates. Construction at the dam will include rehabilitating the outlet works, including adding an air vent, and installing a geosynthetic lining system over the dam's steel facing. Construction is expected to begin in the summer of 2023 and take several months.



Steel Plate Dam Face



Tunnel Valve House

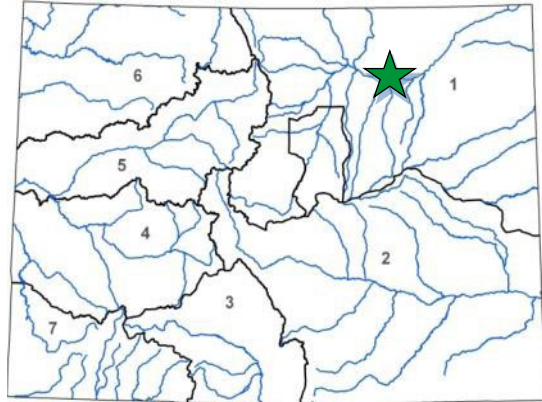


Augmentation Pump Replacement Project

Fort Morgan Reservoir and Irrigation Company

January 2023 Board Meeting

L O A N D E T A I L S	
Project Cost:	\$1,753,000
CWCB Loan (with 1% Service Fee):	\$1,770,530
Loan Term and Interest Rate:	30 Yrs @ 2.05%
Funding Source:	Severance Tax PPBF
B O R R O W E R T Y P E	
Agriculture	Municipal
83%	0% Low - 15% Mid - 0% High
	Commercial
	2%
P R O J E C T D E T A I L S	
Project Type:	Augmentation Facilities
Average Annual Diversions:	73,000 AF

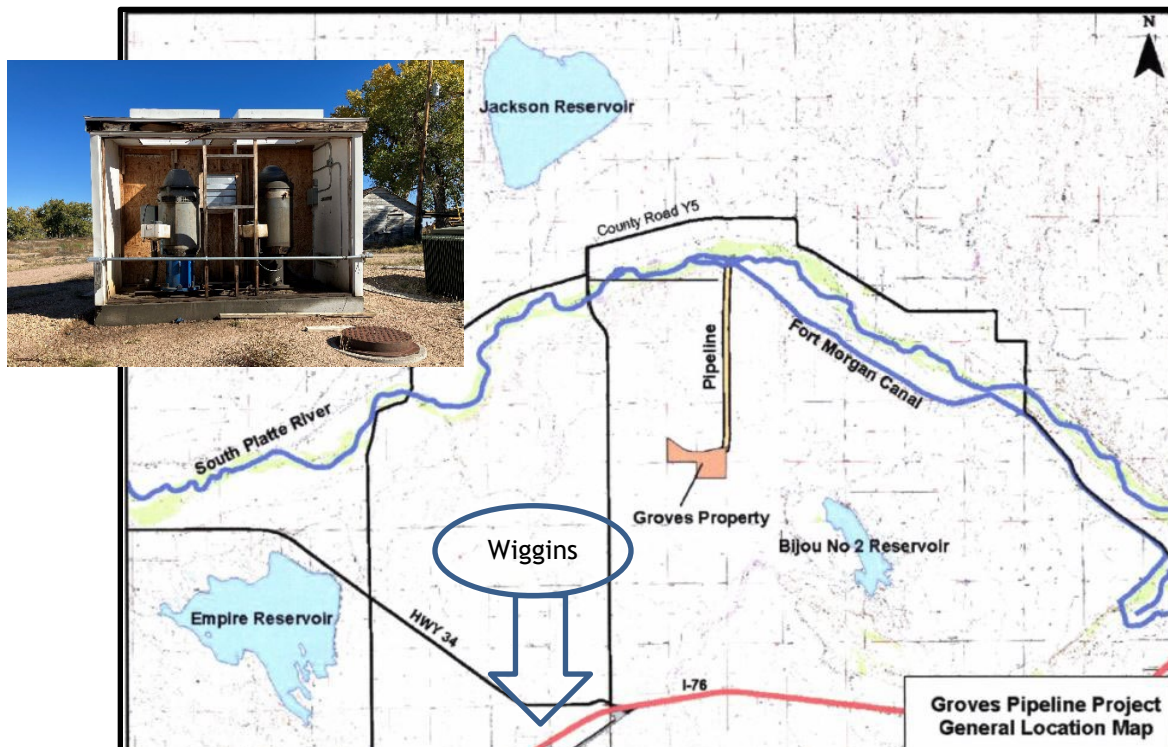


L O C A T I O N	
County:	Fort Morgan
Water Source:	South Platte
Drainage Basin:	South Platte
Division:	1
District:	1

The Company was organized in 1882, and currently diverts irrigation water for approximately 15,000 acres, and augmentation water for approximately 90 wells. These diversions are carried through the Fort Morgan Canal to recharge ponds and agricultural lands south of the South Platte River between Weldona and Brush for 98 shareholders.

The Company also has an operational agreement with Groves Farms, LLC to re-time excess augmentation credits from senior recharge projects when those credits are not needed for direct augmentation, and to divert water under new junior water rights when available for recharge and augmentation use. The infrastructure to implement this operation was originally constructed around 2012, with the Company's portion of the project funded with CWCB loan and grant funds.

The project is the rehabilitation of this pipeline system, and includes a new intake structure, an automated airburst system to backwash the intake screens, 4-stage vertical turbine pumps, and an insulated building to house the pumps and mechanical equipment. Loan funds will cover the entire project cost for planning, design, and construction.



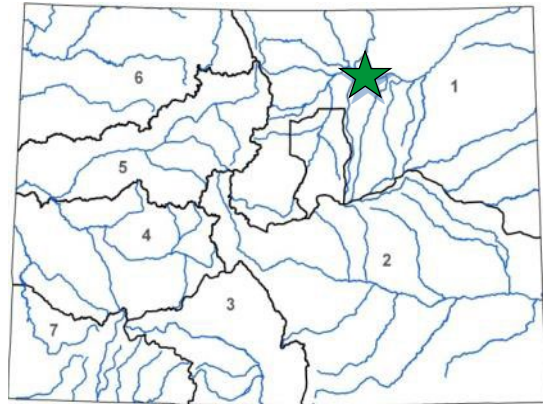


Loloff Reservoir Acquisition

Ogilvy Augmentation Company

January 2023 Board Meeting

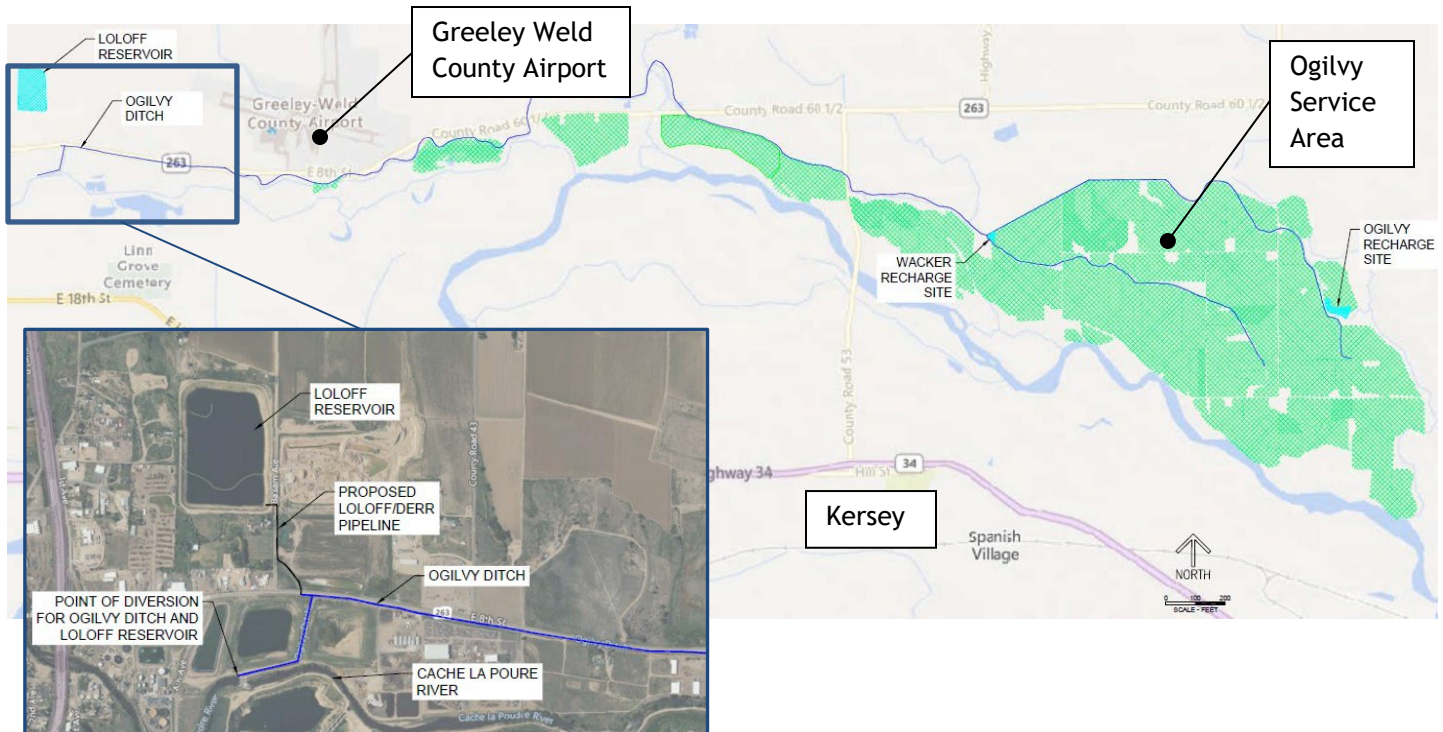
L O A N D E T A I L S	
Project Cost:	\$5,645,000
CWCB Loan (with 1% Service Fee):	\$1,140,290
Loan Term and Interest Rate:	30 Yrs @ 1.80%
Funding Source:	Severance Tax PBF
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
100%	0% Low - 0% Mid - 0% High 0%
P R O J E C T D E T A I L S	
Project Type:	New Reservoir
Storage Created:	1,998 AF
Average Annual Diversions:	245 AF



L O C A T I O N			
County:	Weld		
Water Source:	Cache la Poudre		
Drainage Basin:	South Platte		
Division:	1	District:	1

The Ogilvy Augmentation Company (OAC) was established in 2005 to augment wells that operate under the Ogilvy Irrigating and Land Company service area. It currently serves nine members with an augmentation plan that covers 15 irrigation wells providing supplemental irrigation water supplies on approximately 1,400 acres of land.

Loloff Reservoir is a reclaimed gravel pit that has been lined with a slurry wall to disconnect it from groundwater. It is located near the Ogilvy Ditch headgate, which supports convenient diversions into the reservoir and releases into the ditch. The project is a joint effort between the two companies, with the reservoir, facilities, and costs being split respectively. The project includes the purchase of Loloff Reservoir and the design and construction of infrastructure necessary to put it to beneficial use, including a new discharge structure in the reservoir, a new pipeline to connect it to the ditch, instrumentation, and easements. The loan will provide funding for the Company's 20% share of the project. Construction is expected to begin in early 2023 and finish in the spring of 2023.



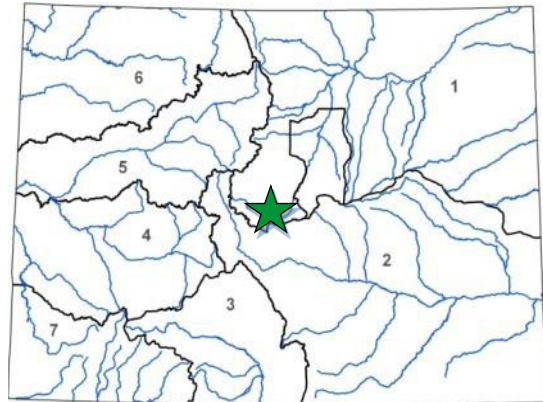


Peachwood Farms Augmentation & Sustainability

Special Improvement District No. 4
of the Rio Grande Water Conservation District

January 2023 Board Meeting

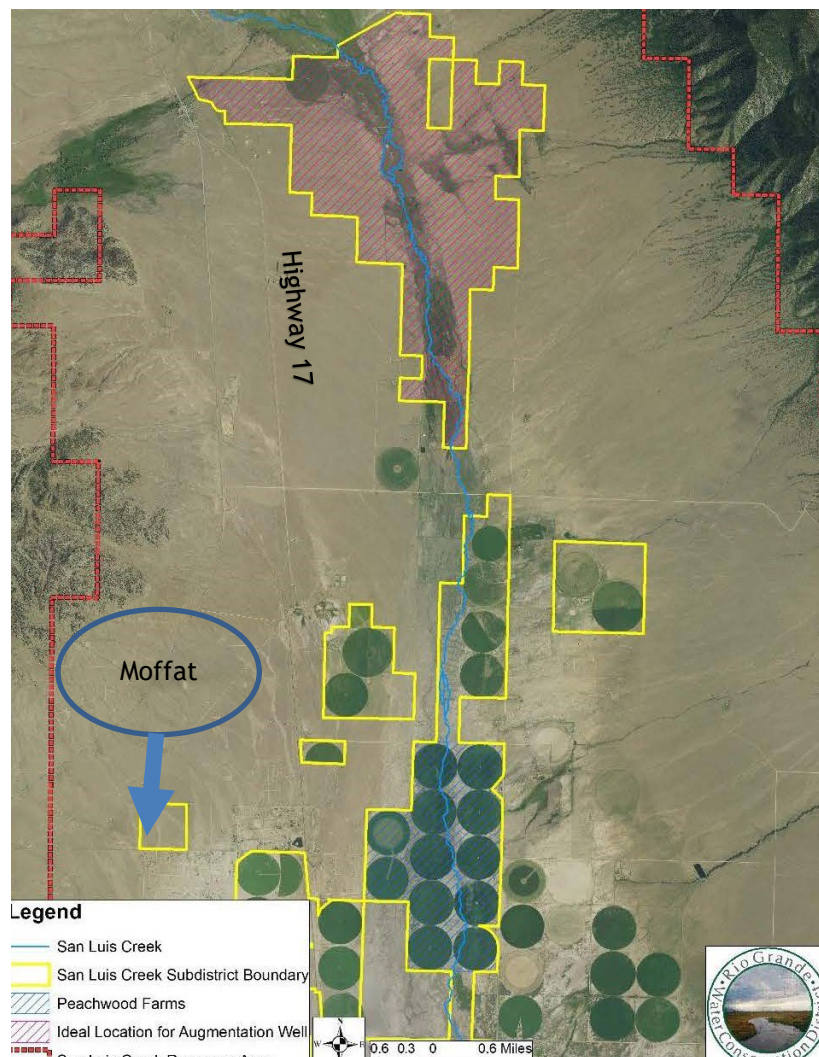
L O A N D E T A I L S	
Project Cost:	\$3,456,000
CWCB Loan (with 1% Service Fee):	\$3,490,560
Loan Term and Interest Rate:	40 Yrs @ 2.10%
Funding Source:	Severance Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
87%	13% Low - 0% Mid - 0% High 0%
P R O J E C T D E T A I L S	
Project Type:	Water Rights Purchase
Average Annual Withdrawals:	11,400 AF



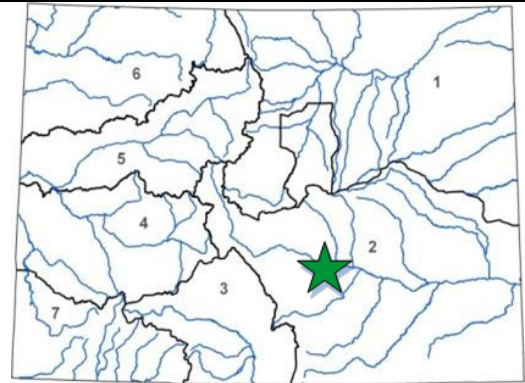
Subdistrict No. 4 of the Rio Grande Water Conservation District was created in 2017 to provide a community-oriented water management alternative to aid in compliance with the Rules Governing the Withdrawal of Groundwater in Water Division No. 3, thereby remedying injury to senior surface water rights resulting from groundwater use in the San Luis Creek Response Area. Currently, the Subdistrict consists of 160 wells, with land use dominated by irrigated agriculture of small grains and alfalfa.

The project will purchase 13 irrigation wells and two irrigation ditches through a collaborative approach with Colorado Open Lands and the current landowner. It will involve a groundwater conservation easement to address groundwater sustainability concerns, and surface water rights to address injury to senior water rights. In addition to the purchase, the project will design and construct two pipelines from two fields to the stream, a new augmentation well, and a control system. Water rights from the purchase will be temporarily changed via a substitute water supply plan to assess operation suitability for a few years, and then formally through water court. Purchase of the water rights is scheduled to occur in April 2023 with construction occurring sometime in 2023.

L O C A T I O N	
County:	Saguache
Water Source:	San Luis Creek; Groundwater
Drainage Basin:	Rio Grande
Division:	3 District: 25



LOAN DETAILS	
Project Cost:	\$11,715,000
CWCB Loan (with 1% Service Fee):	\$9,847,500
Loan Term and Interest Rate:	20 Yrs @ 2.25%
Funding Source:	STPBF
BORROWER TYPE	
Agriculture	Municipal
0%	100% Low - 0% Mid - 0% High
Commercial	0%
PROJECT DETAILS	
Project Type:	Diversion Rehabilitation
Average Annual Diversions:	25,000 AF



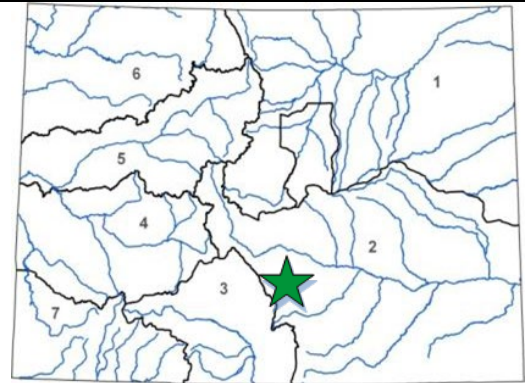
Pueblo Water is a public utility which supplies water to the residents of the City of Pueblo in southern Colorado. It serves a population of about 113,000.

LOCATION	
County:	Pueblo
Water Source:	Arkansas River
Drainage Basin:	Arkansas
Division: 2	District: 12

While Pueblo Water's water treatment plant is typically supplied via diversionary infrastructure at Pueblo Reservoir, Pueblo Water also maintains a backup system for diverting from the river and supplying the plant if needed. One component of this redundant system is the Southside Diversion Dam. The Southside Diversion Dam is a large concrete structure spanning the Arkansas River. The dam is classified as a low-head dam, which can be extremely hazardous to recreators on the river. Nearly 400 drownings associated with low head dams have been documented nationwide, including several at the Southside Diversion Dam. The proposed project is being undertaken to alleviate this hazard and to improve the dam and surrounding area more generally. Improvements will include a safer geometry for the dam weir, a bypass channel for boat and fish passage, and riparian restoration. Construction is expected to take place between fall 2023 and spring 2024.



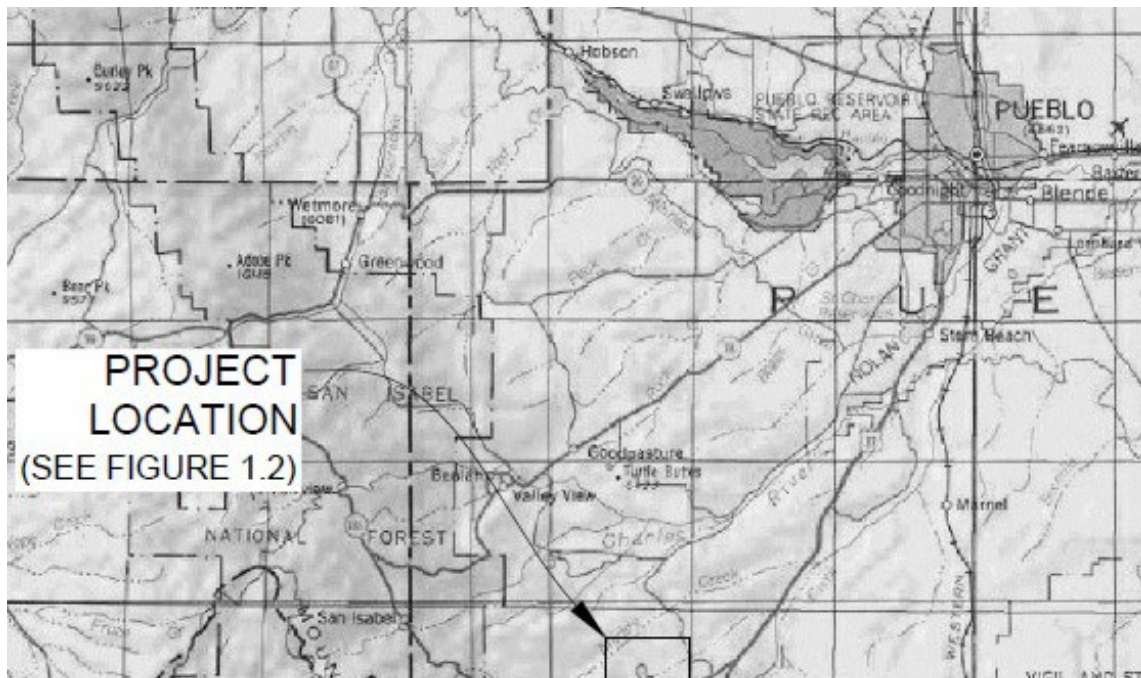
LOAN DETAILS	
<i>Project Cost:</i>	\$3,300,000
<i>CWCB Loan (with 1% Service Fee):</i>	\$3,333,000
<i>Loan Term and Interest Rate:</i>	30 Yrs @ 2.0%
<i>Funding Source:</i>	STPBF
BORROWER TYPE	
<i>Agriculture</i>	<i>Municipal</i>
0%	100% Low - 0% Mid - 0% High
PROJECT DETAILS	
<i>Project Type:</i>	Reservoir Rehabilitation
<i>Average Annual Delivery:</i>	568 AF



Colorado City Metropolitan District (District) is a Title 32 Special District that provides water and sewer service for approximately 2,400 residents.

LOCATION	
<i>County:</i>	Pueblo
<i>Water Source:</i>	Greenhorn Creek
<i>Drainage Basin:</i>	Arkansas
<i>Division: 2</i>	<i>District: 15</i>

Lake Beckwith is a high hazard dam constructed around 1912 that serves as the only water supply for the District. It's an earthen embankment that has been under a storage restriction since October 2021 from the Colorado Dam Safety Branch. The project will help the District to remove the storage restriction and provide a basis for a potential future enlargement. Construction will include a new filter protection system, a new outlet works siphon adjacent to the existing one to meet drawdown requirements, and a downstream crest widening. Construction is expected to take place between winter 2023 and spring 2025.



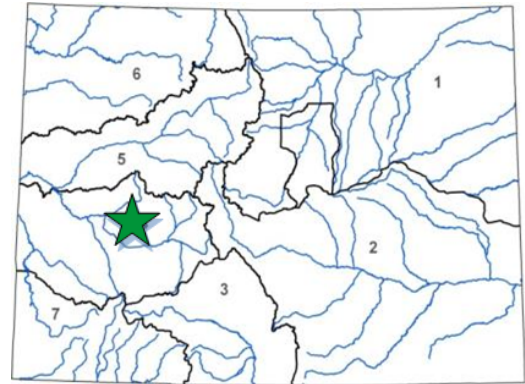


Crawford Clipper Ditch Improvements

Crawford Clipper Ditch Company

May 2023 Board Meeting

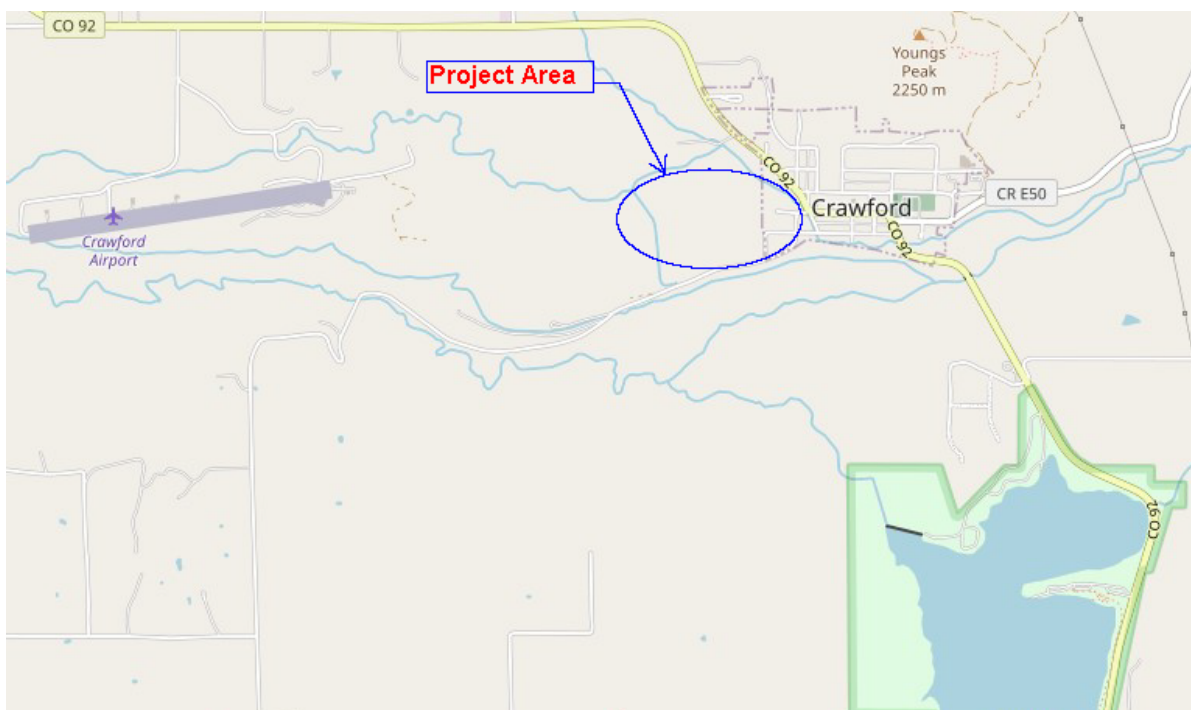
LOAN DETAILS	
<i>Project Cost:</i>	\$1,762,000
<i>CWCB Loan (with 1% Service Fee):</i>	\$757,500
<i>Loan Term and Interest Rate:</i>	30 Yrs @ 1.85%
<i>Funding Source:</i>	STPBF
BORROWER TYPE	
<i>Agriculture</i>	<i>Municipal</i>
100%	0% Low - 0% Mid - 0% High
	<i>Commercial</i>
	0%
PROJECT DETAILS	
<i>Project Type:</i>	Ditch Rehabilitation
<i>Average Annual Diversions:</i>	16,006 AF



The Crawford Clipper Ditch Company (Company) is a mutual irrigation company that has been operating since 1885. The Company provides irrigation water to 114 shareholders on approximately 3,480 acres.

LOCATION	
<i>County:</i>	Delta
<i>Water Source:</i>	Smith Fork
<i>Drainage Basin:</i>	Gunnison
<i>UTM:</i>	E: 272800.1 N: 4287166.2
<i>Division:</i>	4
<i>District:</i>	40

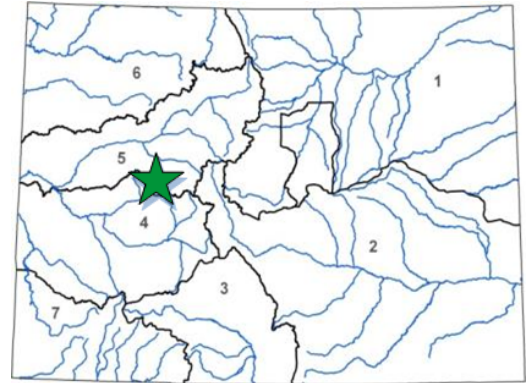
The Project is part of a larger master plan to pipe all Company ditches and will be the fourth to be completed. It will consist of constructing a new regulating reservoir, piping 5,700 feet of an open ditch, and developing a sedimentation basin. Overall, the project will increase efficiency of the ditch by reducing seepage and delivering a steadier supply of water to stockholders, as well as reducing maintenance and water quality issues related to erosion. This Project will be jointly funded with the Bureau of Reclamation, the National Resources Conservation Service, and the Colorado River Water Conservation District. It also was approved for a WSRF grant at the March 2023 board meeting. Construction is expected to begin in early 2024 and will last about a year.



East Mesa Emergency Ditch Repair

East Mesa Water Company
September 2023 Board Meeting

LOAN DETAILS	
<i>Project Cost:</i>	\$414,000
<i>CWCB Loan (with 1% Service Fee):</i>	\$418,140
<i>Loan Term and Interest Rate:</i>	30 Yrs @ 1.90%
<i>Funding Source:</i>	Severance Tax Perpetual Base Fund
BORROWER TYPE	
<i>Agriculture</i>	<i>Municipal</i>
99%	0% Low - 1% Mid - 0% High
<i>Commercial</i>	0%
PROJECT DETAILS	
<i>Project Type:</i>	Ditch Piping
<i>Average Annual Diversions:</i>	9,669 AF



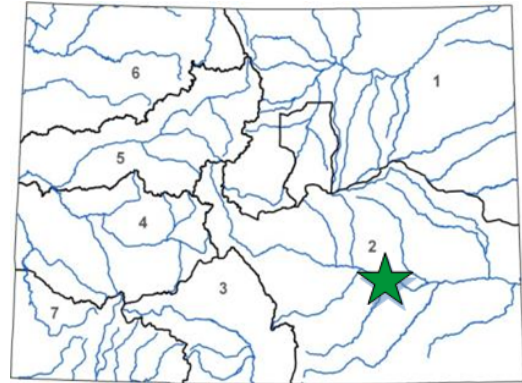
The East Mesa Water Company (Company) provides irrigation water to approximately 740 acres for 12 shareholders. Irrigated acreage within the Company's service area is primarily used for cattle ranching, and to grow hay and forage crops.

LOCATION	
<i>County:</i>	Garfield
<i>Water Source:</i>	Crystal River
<i>Drainage Basin:</i>	Colorado
<i>Division:</i> 5	<i>District:</i> 38

In early September, a portion of the lower ditch collapsed into a sinkhole, leaving about a third of the Company's service area without access to irrigation or stock water. Repairs are needed immediately to allow for one last stock water run for cattle returning to the property. The Project will include relocating the ditch away from the sinkhole based on an upcoming geophysics analysis, and piping it to protect against any future sinkhole development. With the relocation of the ditch, the piped section will include a siphon and is estimated to be about 1,500 linear feet in length. This Project is also exploring emergency funding from the Colorado River Water Conservation District. Construction is expected to begin in the early October of 2023 and will be completed within a month.



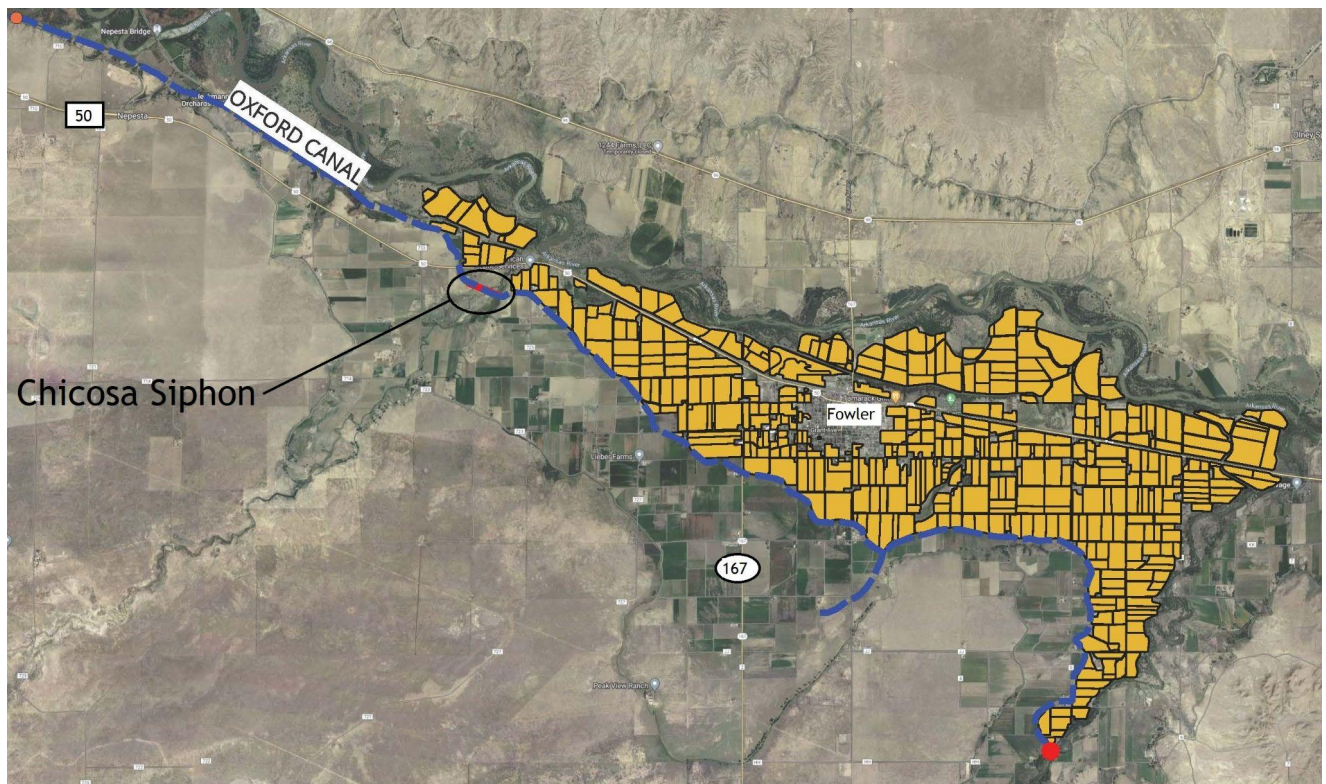
LOAN DETAILS	
Project Cost:	\$1,500,000
CWCB Loan (with 1% Service Fee):	\$1,515,000
Loan Term and Interest Rate:	30 Yrs @ 1.90%
Funding Source:	Severance Tax Perpetual Base Fund
BORROWER TYPE	
Agriculture	Municipal Commercial
94%	6% Low - 0% Mid - 0% High 0%
PROJECT DETAILS	
Project Type:	Ditch Rehabilitation
Average Annual Diversions:	25,224 AF



The Oxford Farmers' Ditch Company (Company) is a mutual ditch company that has been operating since 1888. The ditch provides direct flow irrigation water to 87 shareholders on approximately 5,300 acres of land growing corn, wheat and alfalfa.

LOCATION	
Counties:	Otero, Pueblo
Water Source:	Arkansas River
Drainage Basin:	Arkansas
Division: 2	District: 14

The current six foot diameter redwood stave siphon wrapped in steel bands was constructed in the 1940s, with the bands being replaced in 1973 due to corrosion. During the 2023 irrigation season, the siphon blew out multiple times, cutting off irrigation water to approximately 90% of the shareholders. The Project will install a cured-in-place liner inside of the siphon that will provide structural integrity for the siphon eliminating the need for the staves and steel bands. Construction is expected to begin in the fall of 2023 and be complete before the start of the spring irrigation season.



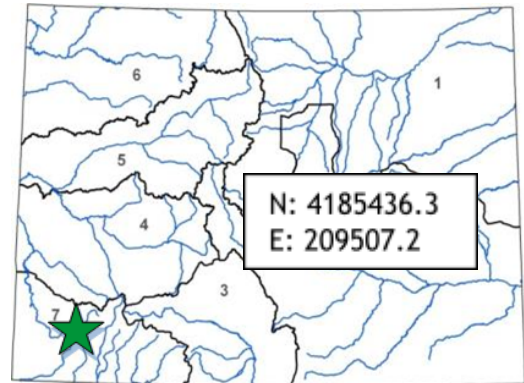


Beaver Creek Ditch Repairs

Montezuma Valley Irrigation Company

November 2023 Board Meeting

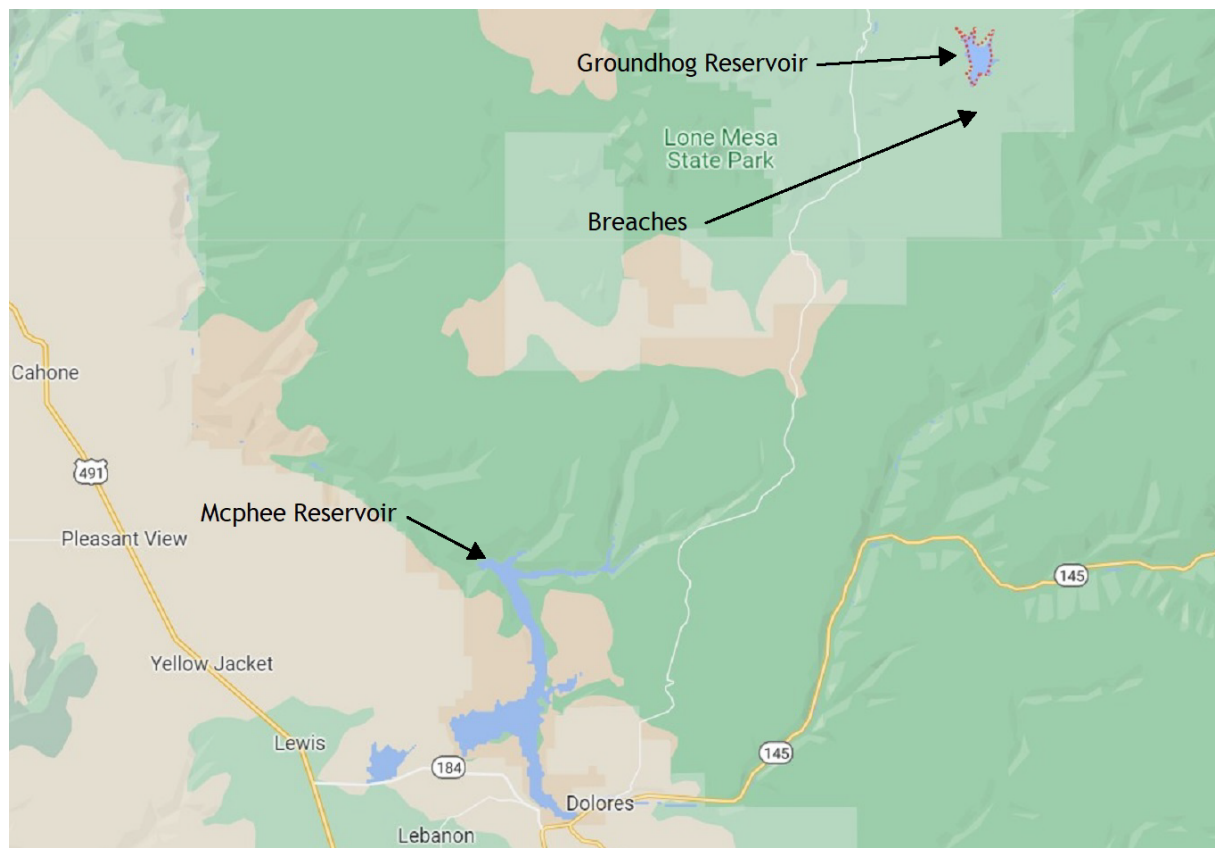
LOAN DETAILS	
<i>Project Cost:</i>	\$1,429,147
<i>CWCB Loan (with 1% Service Fee):</i>	\$1,414,000
<i>Loan Term and Interest Rate:</i>	30 Yrs @ 2.10%
<i>Funding Source:</i>	Severance Tax Perpetual Base Fund
BORROWER TYPE	
<i>Agriculture</i>	<i>Municipal</i>
97%	2% Low - 0% Mid - 0% High
	<i>Commercial</i>
	1%
PROJECT DETAILS	
<i>Project Type:</i>	Ditch Rehabilitation
<i>Average Annual Diversions:</i>	125,000 AF



The Montezuma Valley Irrigation Company (Company) is a mutual ditch company non-profit corporation initially organized in 1880. The Company provides irrigation water to 1,546 shareholders on approximately 37,500 acres of land near Cortez.

LOCATION	
<i>County:</i>	Dolores
<i>Water Source:</i>	Beaver Creek
<i>Drainage Basin:</i>	Dolores
<i>Division: 7</i>	<i>District: 71</i>

Currently the Company owns three reservoirs, the largest of which is named Groundhog Reservoir, which provides 26,710 AF of storage. Beaver Ditch, with a carrying capacity of 150 cfs, provides water to fill approximately 25% of the reservoir. During the heavy spring snowmelt season this past year, the ditch developed two breaches, significantly reducing the amount of water reaching the reservoir. The Project involves repairing the ditch with locally sourced material due to the remote location of the breaches and lining it. Construction began in August 2023 and is expected to be complete in the fall of 2023.



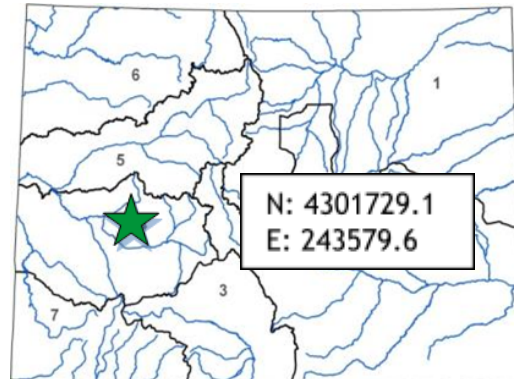


Fruitgrowers Reservoir Gates Replacement

Orchard City Irrigation District

November 2023 Board Meeting

LOAN DETAILS	
<i>Project Cost:</i>	\$1,125,000
<i>CWCB Loan (with 1% Service Fee):</i>	\$505,000
<i>Loan Term and Interest Rate:</i>	30 Yrs @ 2.20%
<i>Funding Source:</i>	Severance Tax Perpetual Base Fund
BORROWER TYPE	
<i>Agriculture</i>	<i>Municipal</i>
77%	23% Low - 0% Mid - 0% High
	0%
PROJECT DETAILS	
<i>Project Type:</i>	Dam Rehabilitation
<i>Average Annual Diversions:</i>	4,500 AF



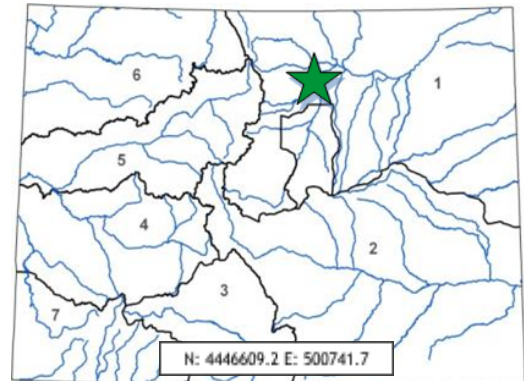
The Orchard City Irrigation District (District) is a special district created in 1939 to collect funds to reconstruct Fruitgrowers Reservoir after a breach that leveled a portion of the town of Austin in 1937. The District provides irrigation water to 558 users on 2,760 acres of land.

LOCATION	
<i>County:</i>	Delta
<i>Water Source:</i>	Surface Creek and Dry Creek
<i>Drainage Basin:</i>	Gunnison
<i>Division: 4</i>	<i>District: 40</i>

The dam, owned by the Bureau of Reclamation, is operated and maintained by the District as well as the sources for the reservoir, Alfalfa Run and Transfer ditches. The Project will replace the existing emergency and regulating gate valves installed in 1938, and install components for motorized gates and a SCADA system so that the outlet can be operated remotely in the future. The Project was also approved for two WSRF grants, and has received a Colorado River Water Conservation District grant as well. Construction is expected to begin in the winter of 2023 and will be completed prior to the 2024 irrigation season.



LOAN DETAILS	
Project Cost:	\$196,000
CWCB Loan (with 1% Service Fee):	\$197,960
Loan Term and Interest Rate:	30 Yrs @ 4.50%
Funding Source:	Construction Fund
BORROWER TYPE	
Agriculture	Municipal Commercial
25%	0% Low - 0% Mid - 20% High 55%
PROJECT DETAILS	
Project Type:	Ditch Rehabilitation
Average Annual Diversions:	10,950 AF



The Last Chance Ditch Company (Company) is a mutual ditch company that has been operating since 1872. The Company provides direct flow water to 14 shareholders. Water is used for gravel pit mining, municipal use, augmentation, and irrigation of approximately 820 acres.

LOCATION	
County:	Weld
Water Source:	St. Vrain Creek
Drainage Basin:	South Platte
Division: 1	District: 5

The Project will replace the existing measurement flume that was determined by the Division of Water Resources to be at the end of its useful life in the spring of 2022. The replacement will be a cast-in-place concrete flume. Construction is expected to begin in the winter of 2023 and will be completed prior to the 2024 irrigation season.

