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# COLORADO

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

## **DIRECTOR'S REPORT**

**May 2022**

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



# COLORADO

## Colorado Water Conservation Board

Department of Natural Resources

TO: Colorado Water Conservation Board Members

FROM: Rebecca Mitchell  
Anna Porter

DATE: May 17-18, 2022

SUBJECT: **Agenda Item 5b, May 2022 CWCB Board Meeting Director's Report**

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**STATEWIDE**

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

New grant applications approved:

1. None

Previously approved grants in FY21/22:

1. Twin Lakes Reservoir and Canal Company – Grizzly Dam Rehabilitation (\$49,950)
2. Town of Dove Creek – Reservoir No. 2 (\$7,500)
3. St. Vrain and Left Hand Water District – Copeland Reservoir Lining (\$50,000)

Total funds approved for feasibility study grants in FY21/22: \$107,450

**COLORADO RIVER BASIN**

**COLORADO RIVER WATER USE—**

| 2022 Colorado River Storage as of May 2, 2022                             |   |                  |                        |
|---|---|------------------|------------------------|
|   | Elevation (feet<br>above mean<br>sea level) | Storage<br>(MAF) | Percent of<br>Capacity |
| Lake Mead   | 1,054.55                                    | 8.015            | 31%                    |
| Lake Powell   | 3,522.71                                    | 5.787            | 24%                    |
| Total System Active Storage   |   | 20.366           | 34%                    |
| 2021 Total Active Storage   |   | 25.526           | 43%                    |
|   |   | Flow (MAF)       | Percent of<br>Average  |
| Forecasted Unregulated Inflow into Powell<br>(Forecasted Water Year 2022) |   | 6.311            | 66%                    |

| Forecasted CY 2022 Lower Basin Consumptive Use |              |              |
|--|--------------|--------------|
| State  | Use (MAF)    | Total (MAF)  |
| Arizona  | <b>2.294</b> |              |
| California                                     |              |              |
| California Agricultural                        | 3.544        |              |
| Metro. Water District                          | 1.106        | <b>4.667</b> |
| Other  | 0.017        |              |
| Nevada   | <b>0.265</b> |              |

\*Note MAF = million acre-feet

**Upper Colorado River Wild and Scenic Stakeholder Group—**

The Upper Colorado Wild and Scenic Stakeholder Group (SG) conducted their annual meeting on March 22, 2022. This meeting included approving a new co-chair, renewal of the Executive Committee, the annual monitoring plan, the annual budget, and a number of contract decisions. The SG continues to hold regular meetings and all committees continue to work towards implementing the alternative management plan. The Executive and Finance Committees continue to investigate incorporation as a non-profit, management options for endowment funds, and tax implications. The Cooperative Measures committee is investigating whether there are potential water acquisitions that can assist the SG efforts. The Monitoring Committee is working to finalize the annual monitoring report. The Channel Maintenance Flow Committee is making progress refining field protocols and selecting sites and has conducted a site visit to aid in these efforts. Staff will provide an update on the Wild & Scenic budget and review the fund guidelines at the July Board meeting.

## WATER CONSERVATION AND DROUGHT PLANNING UPDATES

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

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

Per the Board's decision in May 2021 to merge this program into the Water Plan Grant Conservation & Land Use Planning and the Engagement & Innovation category, applications will no longer be accepted through this grant program.

Staff will continue to spend down the funds that remain in the WEGF and update the Board on in-progress grants.

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

- **Deutsche Domestic Water Company** – Drought Management Plan – *75% Progress Report*
- **Copper Mountain Consolidated Metropolitan District** – Water Meter System AMI Upgrade – *Final Report*

**(Ben Wade)**

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

#### DROUGHT MANAGEMENT PLANS

##### Approved Plans

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

##### Drought Management Plans in review

- City of Durango

**(Megan O'Grady)**

#### WATER EFFICIENCY PLANS

##### Approved Plans

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

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

## Conditional Approval

- **Town of Frederick**
- **Tri County Water Conservancy District**

## Water Efficiency Plans in review

No plans are in review at present time

**(Kevin Reidy & Sam Stein)**

**GOVERNOR'S WATER AVAILABILITY TASK FORCE:** The next Water Availability Task Force meeting will be held on May 19 from 9:30-11:30a. The May meeting will include a presentation on the Colorado Airborne Snow Measurement Spring 2022 findings. Please check the website ([Water Availability & Flood Task Forces | DNR CWCB \(colorado.gov\)](#)) for additional information. The April 2022 Drought Update is available here - [April 2022 Notes \(state.co.us\)](#) **(Megan O'Grady)**

**CO WATER LOSS INITIATIVE:** Phase II of the Colorado Water Loss Initiative officially kicked off on September 1, 2021 with open registration. Kevin and the project team has reassembled the advisory group and has added the Colorado Rural Water Association as well as folks from DOLA. In late March, Kevin and a member of his consultant team presented at the AWWA Sustainable Water Management Conference in Denver on the Colorado Water Loss Initiative. As of early April, we have 71 utilities registered for the program. Many of the new learner teams have signed up for technical one-on-one calls to go over water audit results while the advanced group has been sent recommendations on what they should be focusing on in terms of direct technical assistance. The consultant team will be working with the advanced utilities to take advantage of the identified water loss recovery opportunities.

[www.coloradowaterloss.org](http://www.coloradowaterloss.org) **(Kevin Reidy)**

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

- Kevin has been participating on the core planning team for the Denver One Water Plan funded by a water plan grant. The team consists of various Denver city departments, Mile High Flood, Denver Water, Metro Wastewater and the Greenway Foundation. The plan was officially released on October 28, 2021. With the plan complete the core group (now called OWLS, One Water Leaders) will begin the implementation phase and will continue to meet regularly. <https://www.denvergov.org/Government/Agencies-Departments-Offices/Department-of-Transportation-and-Infrastructure/Programs-Services/One-Water>
- The Water and Land Use Planning Alliance has its next meeting in early June, 2022 (final date TBD).
- The next Growing Water Smart workshops with the Sonoran Institute will take place in the San Luis Valley June 8-10. Should be a great workshop with some good representation from communities across the valley. **(Kevin Reidy)**

**AMERICAN COUNCIL OF ENGINEERING COMPANIES PRESENTATION:** Megan O'Grady & Matt Lindburg of Brown & Caldwell, made a presentation at the American Council of Engineering Companies Annual conference on April 27 to discuss the Water Plan update and present the scenario planning to the attendees. **(Megan O'Grady)**

## WATERSHED AND FLOOD UPDATES

### **Flood Threat Bulletin Returns for the 2022 Flood Season –**

The daily Flood Threat Bulletin prepared by a consultant under contract to the CWCB began its 17th year of daily flood forecasting for the State of Colorado on May 1<sup>st</sup>. The forecasts are delivered by Dewberry, a meteorological consultant to the CWCB who has been delivering the forecasts for the prior ten years. Dewberry was the selected consultant chosen during a competitive process, and was one of two firms that submitted qualifications. By being chosen as the selected firm, Dewberry will continue to provide these services for the next five years.

Dewberry and CWCB staff will provide daily flood threat outlooks that will be accessible online for interested users. The program includes a recently developed Facebook page to go along with the Twitter account that has been in use. Treatment of burn scars continues to be updated with a major focus this year. A voluntary email listserve signup has also been made available, allowing interested endusers the opportunity to sign up for push notifications so that a visit to the website will not be necessary.

Dewberry compiles usage statistics, and the usage has continued to grow in each successive year of operation. It is anticipated that this program will see even wider use this year with the spotlight on recent large burn scars.

Dewberry will provide daily outlooks regarding the flood threat around the state due to either snowmelt or rainfall. In addition, a GIS summary of precipitation from the previous report is available to view which areas of the state received the most precipitation (useful for both water managers and floodplain managers). Twice weekly, on Mondays and Thursdays, a medium-range outlook will be issued summarizing the anticipated flood threat for the following two weeks. The information can be easily accessed at [www.coloradofloodthreat.com](http://www.coloradofloodthreat.com) and it will be linked through the CWCB's home page. The flood threat bulletin is offered from May 1<sup>st</sup> through September 30<sup>th</sup>.

(Kevin Houck)

### **Flood Section Welcomes New Baby**

It is with great excitement that the Flood Section welcomes new baby June McKenna Monahan, who was born to Flood Section staff member Andrea Harbin Monahan on April 21<sup>st</sup>. Mom and baby are doing well. Mom reports that June looks just like her older brother. Andrea will be taking three months off from work and plans to return in mid-July. Congrats Andrea!



### **Wildfire Ready Watersheds (SB21-240) – Mapping Update**

Our team has put together a proof of concept for the water assets mapping portion of the Statewide susceptibility study. During this proof of concept phase there was stakeholder outreach and input from subject matter experts. This helped us understand the varied data sets with more knowledge and understanding. This led us to establish several new maps and revisit previous maps with new geospatial analyses that better represent and better utilize the data that is currently available. There is currently two sub-sections in the Water Assets mapping, Built Water Infrastructure and Natural Water Resources. Built Water Infrastructure includes data for five areas of interest;

- Jurisdictional Dams (Division of Water Resources, Dam Safety),
- Built Water Pathways (United States Geologic Survey, National Hydrography Dataset),
- Municipal Intakes (Colorado Department of Health and Environment, Source Water Assessment and Protection),

- Source Water Supply (Colorado Department of Health and Environment, Source Water Assessment and Protection),
- Decreed Ditches, Pipelines, and Pumps (Division of Water Resources, CDSS Structures)

Natural Water Infrastructure also includes data for five areas of interest;

- Wetlands (U.S Fish and Wildlife Service, National Wetlands Inventory),
- Streams and Rivers (United States Geologic Survey, National Hydrography Dataset),
- Waterbodies (United States Geologic Survey, National Hydrography Dataset),
- Significant Aquatic Species (Colorado Parks and Wildlife)
- Riparian Ecosystems ( Colorado State Forest Service)

Although we have ten datasets currently being worked on, we still need to follow up on several maps with due diligence with the agencies responsible for the data. Also, not all of these datasets are guaranteed to make it to the final mapping effort. Stakeholder engagement at the Basin level has begun to gather input and feedback about all of these layers.

(Steven Reeves)

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

CWCB staff are working with their Consultant and Steering Committee on completing the last two internal draft sections for the Statewide Floodplain and Stormwater Criteria Manual (Criteria Manual) Phase 1 update. The Phase 1 update provides guidance that better aligns with recent federal and industry standards and revised information to help communities manage floodplain and stormwater projects. The Phase 1 draft sections are anticipated to be available by late May/early June 2022 for public review and comment. A six-week public review period is also expected to start in early June. Several public webinars for engagement on the draft Phase 1 chapters will take place early in the six-week public review period. Draft sections and notices of upcoming public webinars are to be posted to the CWCB website in June.

A subsequent, Phase 2, update will include revisions to remaining sections of the Criteria Manual. Updates are to align with Colorado's watershed protection and management program as well as improved industry standards. The Phase 2 Steering Committee kick-off is expected to take place during the public review period for the draft Phase 1 sections.

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

The CWCB LOMR Review Partners Program has been growing as staff work with applicants, communities and the Federal Emergency Management Agency (FEMA) to answer questions, provide guidance, and work through complex issues for both ongoing and upcoming map revision requests. CWCB processes and makes recommendations for revision requests on behalf of FEMA to modify flood hazard information on Flood Insurance Rate Maps (FIRMs). FEMA determines if the revision request will be approved, or become effective. We have 42 cases in process with cases ongoing in Weld, Douglas, El Paso, Elbert, Boulder, Summit, Gilpin, Jefferson, Larimer, Routt, Summit, Pueblo, and Prowers Counties.

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

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

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

**South Platte** – Park, Gilpin, Boulder, Larimer, Weld, and Logan Counties have ongoing Risk MAP studies. Ongoing CWCB studies within the South Platte basin are as follows:

- Phillips County Phases 2-3: Resilience Meeting held March 25, 2022. Digital Flood Insurance Rate Map (DFIRM) production has been uploaded to the FEMA Mapping Information Platform (MIP). Issuance of preliminary products is currently on target for July 2022.
- Base Level Engineering (BLE): BLE is a large-scale, automated approach to developing draft approximate (Zone A) flood risk datasets and floodplains in order to provide communities with an initial overview of the potential flood hazard at the local level. These datasets provide communities with best available information relative to flood hazard to assist with planning, risk awareness, and emergency management. Final BLE results meet FEMA requirements for Zone A floodplains; however, not all of the BLE results will become regulatory products.
  - o Park County: BLE/Discovery review comments addressed, and sent back for FEMA review. Preparing materials for Phase 2 kick-off meeting with communities.
  - o Logan County: Discovery meeting held on March 3<sup>rd</sup>. Well attended and received good input. Received review comments on hydraulic analyses. Addressing comments for resubmittal.

- Morgan, Adams, and Arapahoe Counties: Now that LiDAR is available, the BLE modeling can get underway for remaining portions of Adams and Arapahoe counties. Coordination between CWCB and MHFD took place on risk communication for counties that extend into both CTP service areas. The Discovery meeting was held for Morgan County April 21, 2022. Staff received helpful feedback and additional community information to improve the study.
- Colorado Hazard Mapping Program (CHAMP) Physical Map Revisions: The CWCB was able to leverage funds from FEMA to continue several CHAMP studies through the FEMA regulatory process. CHAMP involved analyzing streams across seven counties in central and northeast Colorado and includes over 200 FIRM panel updates. The remaining counties being completed include Boulder, Gilpin, Weld, and Larimer.
  - Boulder County: This Physical Map Revision (PMR) is still on hold pending the assembly of a Scientific Review Panel (SRP) for resolution of the one outstanding comment received during the second appeal period. The SRP process is moving forward through National Building Science (NBS). There has been a personnel change at NBS that will extend the pool of candidates for selection (to be 60-days). FEMA has 30 days to respond (so 90 days total). Once the SRP is assembled, they have to make determinations within 90 days. This process is anticipated to result in another 6-month delay before a final determination for the Boulder County study is issued.
  - Gilpin County: Updated Gilpin County FIRM panels and Flood Insurance Study (FIS became effective April 7, 2022).
  - Weld County: This project was transferred to the FEMA PTS team for post-preliminary processing. Communities impacted by the revised preliminary comments provided their comments by April 22, 2022. The FEMA PTS team will review and incorporate the comments received. If there are subsequent changes to any flood hazard information, another revised preliminary may be necessary.
  - Larimer County: The notice published in the Federal Register. The first newspaper notification is scheduled for May 11, 2022 with a second publication to occur May 18, 2022. This second publication will also start the mandatory 90-day appeal period for the update.

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

- Flood Risk Information System (Mesa County): The Contractor is making additional modifications to the draft website for this Flood Risk Information System (FRIS) pilot project. Staff will review again in the next few weeks. Once the draft site is ready, staff and our Contractor will meet with the communities in Mesa County to showcase the system and obtain additional input before making the site live.
- City of Grand Junction Levee (Mesa County): The City of Grand Junction posted a Request for Proposals (RFP) to retain an engineering firm to work toward the required levee certification

improvements required for FEMA accreditation of the existing levee system. RFPs are due by May 3, 2022. The City will be addressing the levee deficiencies as the Risk MAP study moves forward.

- Eagle County Physical Map Revision Phases 2-3: The revised hydraulic analysis and floodplain mapping are being reviewed by the FEMA PTS Contractor. The revisions were along the Roaring Fork River to accommodate the 0.00-ft rise floodway in Basalt and Eagle County for this flooding source.
- Garfield County Phase 2-3: Field survey data is wrapping up for the additional flooding sources (community requested). Once the data is obtained, they will move ahead with the hydrologic and hydraulic analyses for Phase 2.

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

- Delta County Phase 2-3. FEMA floodplain mapping review comments have been received and are being addressed.
- Ouray County: Communities have been providing comments on the preliminary flood hazard products. Staff will be contacting communities to schedule the Consultation Coordination Officer meeting for June, 2022. Coordination will occur for communities requesting assistance from FEMA and CWCB on outreach and risk communication (public meetings, notifications, etc.).
- Hinsdale Countywide BLE: Staff will coordinate with communities on scheduling a Discovery meeting in June 2022. Materials are being reviewed by both staff and the FEMA PTS.
- Gunnison Countywide BLE: We are currently coordinating with communities to hold a Discovery meeting in mid-March.
- Upper Gunnison Watershed Phases 2-3: This project is being continued under new grants (since the original FY15 grant). State funding covered part of the original flood hazard information update, and now FEMA funding will supplement work as it moves into the post-preliminary phase of the project.
  - o Hinsdale County: The draft preliminary products have been re-submitted to FEMA after comments were addressed. Distribution of preliminary products is anticipated for summer 2022.
  - o Gunnison County: Both a Discovery meeting for the Gunnison County BLE data, and a Flood Risk Review meeting for the Gunnison County PMR were held for the Gunnison River and Coal Creek Physical Map Revision. Communities continue to submit comments on the products (these are due May 20, 2022).

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

- Costilla County: Effective flood hazard information for the remaining Zone A flood hazard areas will be updated now that the high-resolution LiDAR has been made available. A revised preliminary distribution of the FIRM panels being revised to include these streams is anticipated before the project will move forward.
- Mineral County: Coordination with the City of Creede and Mineral County is underway to address additional comments on the Willow Creek flood hazard mapping and obtain and specific items remaining for accreditation of the existing levee within the City of Creede.

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

- Lake County Phase 2 Additional Scope: Lake's BLE submittal was been approved by FEMA. The Lake County project is moving forward with FY21 FEMA funding to comply with community-requested hydraulic modeling and floodplain mapping for an additional flooding source in Leadville. We are waiting for feedback from the community on a buried culvert that needs to be dug out and dimensions provided, or else accounted for as not passing flows in our analysis.
- Chaffee County Phase 2 Additional Scope: we are finalizing the additional scope task order contract, and will proceed with collecting additional survey for several streams of interest to catch up with hydrology and hydraulic modeling for the countywide study.
- Custer BLE: We are working on preparing the Phase 2 kickoff materials for a meeting in summer. We held another NFIP training/presentation in the Town of Silver Cliff since they and the Town of Westcliffe are thinking about joining the NFIP.
- Pueblo County BLE: We expect to have the Discovery meeting on 5/10.
- Huerfano Phase 2: Data development ongoing with hydrology underway. We are able to use severance tax funding to complete a revised BLE analysis using the latest HEC-RAS 6.2 software applications for spatially varied Curve Numbers (CNs) to refine hydrology for the flood risk information. A comparison of results from the revised hydrology and the previous results (only allowing for a constant CN, given the lack of options for modeling available in 2020-2021) to assess the magnitude of changes between the methodologies. The comparison will provide us with information on whether the original hydrology would be appropriate, or if the benefits of using the new model feature are significant enough to be considered in other ongoing flood hazard studies.

- Bent County: The hydraulics submittal was approved, so we are moving forward with floodplain mapping. We are adding a small reach of detailed analysis (Zone AE mapping) along the western portion of the existing Arkansas River South Levee (the eastern portion is already detailed). The levee provides protection to the City of Las Animas. This additional analysis will result in more representative hydraulic information for use in completing the necessary interior drainage analysis (state funded). Staff are coordinating with the Arkansas River Conservancy District and Bent County as they address items required to have the levee certified. Once certified, the levee would be accredited by FEMA. The resulting flood hazard mapping would be able to reflect the protection the levee would provide.
- Otero County: moving forward with floodplain mapping. No major update.
- City of Las Animas (Bent County) Pre-Levee: The preliminary levee assessment reporting has been completed and results shared with the City. Any updates to this project will be captured under the Bent County project entry above.
- El Paso BLE/Phase 2 and Templeton Gap (T-Gap) pre-levee work: Hydrology and most surveying for data development (Phase 2) is wrapping up. We submitted the updated BLE deliverable to FEMA for review. Additional survey being collected along Sand Creek and tributaries this month. Communities have been notified.
- Teller County BLE/Phase 2: Still working on hydraulics. Our program is also funding additional work to resolve an issue with a mapping tie-in between a new Zone A and effective Zone AE study.
- Las Animas County Phase 2: CWCB will need to pick up additional detailed Zone AE study scope for another small effective stream. The BLE deliverable that was being reviewed by FEMA just came back approved.
- Fremont County Phase 2: Data development work is underway, and field survey is complete and getting ready for FEMA review.
- Prowers County Phase 2: We are preparing scope and fee for added miles (14 contracted vs 18.8 community-selected miles). Data development phase underway.
- Towns of Granada/Holly/Lamar (Prowers County) Pre-Levee assessments: We provided a checklist for the Town of Granada to work more easily through the levee certification and accreditation process. We are continuing support for all three communities with some additional levee evaluation, Interior Drainage Analyses, and Emergency Action Plans through severance-funded Task Order. No major update.

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

- Moffat County: We are ready to schedule meeting with FEMA, CWCB, Wood, City of Craig, and Moffat County to discuss floodplain mapping on Fortification Creek (virtual meeting to update them on the status of the changes).

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

- Animas Watershed Phases 3-4: San Juan, Archuleta, La Plata Counties, and the Southern Ute Indian Tribe’s appeal period started 3/9 and 3/16 and will last for 90 days.
- Southwest Colorado (Montezuma, Dolores, San Juan, La Plata, Archuleta, Hinsdale, and Mineral Counties) BLE: Countywide BLE data development is almost complete. Targeting holding Discovery meetings in late May.

**Multi-Watershed Risk Map Projects:**

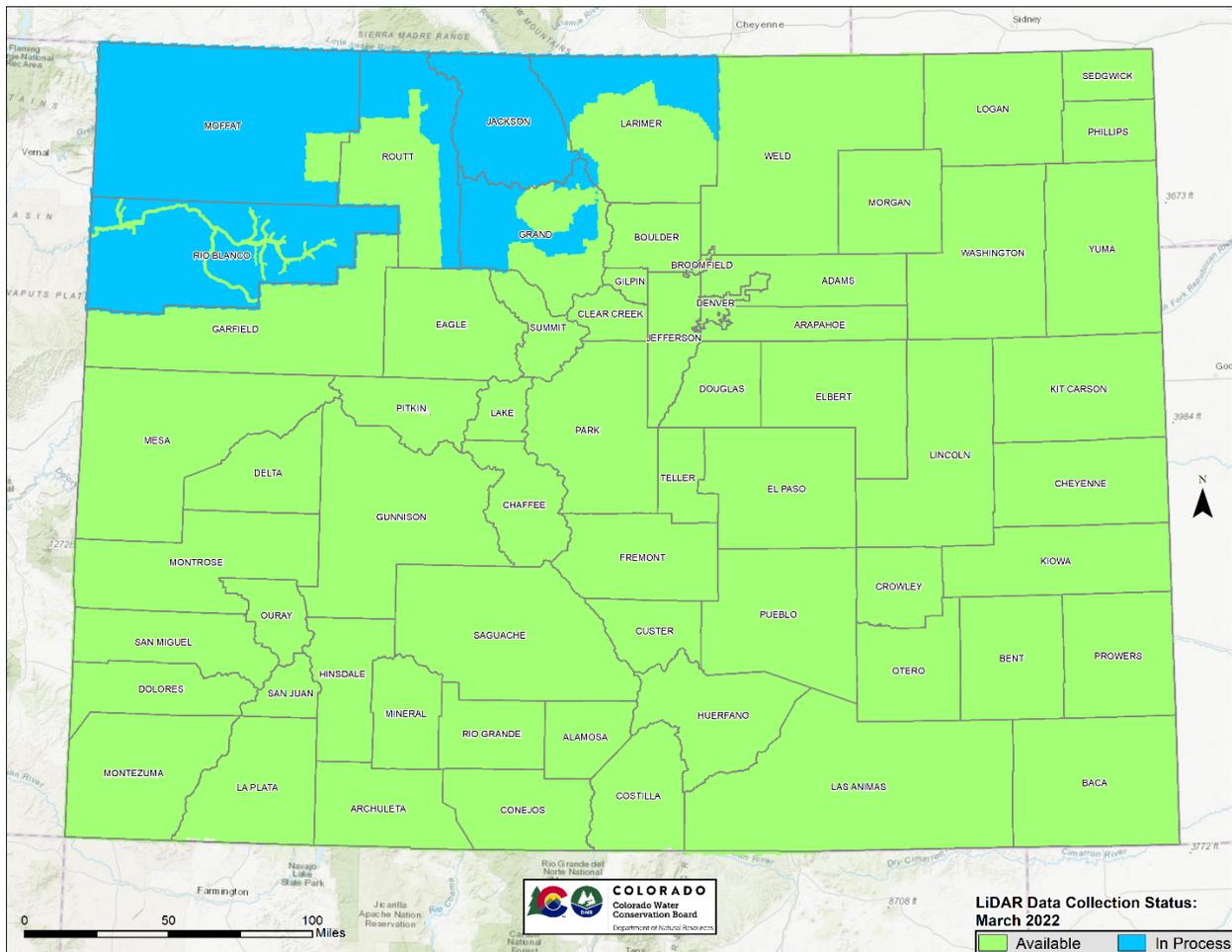
- Elbert County BLE: Community comments came in after holding the Discovery meeting in February. We’re currently integrating into the deliverables and having FEMA review the submittal. We will kick off the next phase of the study in the summer or early fall.
- Mesa County Phase 2: Surveying is almost completed. Detailed hydrology submitted for review and comments being addressed by the engineer. Hydraulics underway. We will need to submit a Mapping Activity Statement revision soon due to changed scope of work with added streams.
- Colorado Hazard Mapping Program (CHAMP) Phase 3: This set of studies originated from the Colorado Senate Bill (15-245) which was put forth as a response to the destructive 2013 floods. This bill released funding to better assess and map various flood related hazards, including debris flows and erosion, throughout Colorado. As such, CWCB funded a paper inventory reduction effort through various counties across the state that were still using old paper floodplain maps and needed updated flood risk information, especially if they were affected by these floods and the local conditions were clearly changed. Several county projects that were scoped as part of this CHAMP effort are still ongoing, including the ones listed below.
  - o San Miguel County: This partial countywide project is still on hold pending as-built data for the completed phases of the Valley Floor Restoration project in the Town of Telluride. The Town is going to submit a LOMR for these improvements based on the effective mapping. We have not heard from Telluride since the last update.

- Lincoln County Phases 2-3: FEMA reviewing resubmittal of floodplain mapping. Should be in the last round of review. We hope to reach the preliminary distribution later this summer. Flood Risk Products will be developed as soon as floodplain mapping gets approved.
- Saguache County: Alluvial fan analysis conversation started to re-scope the analysis so it's completed as best available data instead of for regulatory/mapping purposes. On hold, waiting for more information on alluvial fan analysis requirements and path forward. Will need to discuss with FEMA. Discussed more about alluvial fan.

**LiDAR acquisition:** CWCB received \$3.4 million in a FEMA FY16 grant and \$2.2 million in FY18 for LiDAR acquisition in Colorado for future floodplain mapping and hazard assessment projects. The USGS is completing the last few areas in Colorado that were missing updated LiDAR.

- LiDAR collection tasks that were recently completed include the Eastern Colorado Plains data collection, led by the USGS, the DRCOG LiDAR for the Denver Metropolitan Area, and the San Luis Valley/San Miguel/Pitkin areas. The remaining LiDAR acquisition is currently going through final USGS QA-QC.
  - San Luis Valley/San Miguel/Pitkin County area LiDAR - complete and was delivered in late March/early April. Will remove this entry for the next board meeting updates.
  - Northwest CO Project: USGS likely won't have the final deliverables for this project area until summer or fall of 2022.

Below is the most recent status map for LiDAR data acquired in Colorado:



*(Terri Fead and Marta Blanco Castano)*

## NCAR Fire Update

Burned Area Reflectance Classification (BARC) mapping for the NCAR fire in Boulder County resulted in mostly low severity burn reporting for the nearly 200 acre fire that started on March 26, 2022. CWCB staff and the USFS Burned Area Emergency Response (BAER) Program Coordinator visited the NCAR burn area on 5/2/2022 to field verify the BARC mapping. City of Boulder, Boulder County, and National Weather Service staff joined the CWCB and USFS for the field reconnaissance. The overall condition of the burn area has recovered well, and a grassy groundcover has reestablished in most areas of the burn. Some of the steeper parts of the burn do not have groundcover, and these areas were visited to field verify the BARC mapping of low intensity. Field assessments of soil burn severity confirmed that the steeper areas of the fire are predominantly low intensity, with minimal locations of moderate severity.

CWCB and USFS staff do not expect substantive changes to runoff hydrology because of the BARC mapping, field verification, and overall recovery of the ground cover. CWCB staff advised local government staff to monitor stream conditions and crossings during rain events. Local staff were advised that there may be some flush of the ash, however this does not appear to be a large concern because the burn area is already recovering. CWCB and USFS staff agreed that no further analysis, e.g. hydrologic and hydraulic modeling, or modification of the BARC mapping is necessary. Local government staff were in concurrence.



*Steep areas with no ground cover*

*Steep areas transitioning to areas with groundcover*



*Areas above seen from a distance*

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

***NFIP Community Rating System (CRS) Course, Emergency Management Institute***

As part of the on-going effort to increase programmatic knowledge and become a better resource for Colorado communities, the CWCB CAP coordinator attended the 4-day, Community Rating System workshop hosted by the National Emergency Training Center. The course provided the student a detailed understanding of the program, eligible rating activities, and participating community responsibilities.

The Community Rating System (CRS) is a voluntary incentive program that recognizes and encourages community floodplain management practices that exceed the minimum requirements of the National Flood Insurance Program (NFIP). Over 1,500 communities participate nationwide with 52 Colorado communities currently participating.

In CRS communities, flood insurance premium rates are discounted to reflect the reduced flood risk resulting from the community's efforts that address the three goals of the program: reduce and avoid flood damage to insurable property, strengthen and support the insurance aspects of the National Flood Insurance Program, and foster comprehensive floodplain management.

***Silver Cliff – Westcliffe – Unincorporated Custer County, NFIP & RiskMAP Workshop***

This office and the CWCB floodplain mapping team presented a second NFIP & floodplain mapping workshop on April 20<sup>th</sup> and hosted by the Silver Cliff Planning Commission as part of their scheduled public meeting. In addition to the Silver Cliff officials, representatives from Custer County and Westcliffe were in attendance as well as a member of the local press. These communities do not currently participate in the National Flood Insurance Program. The CWCB was excited to be invited back to discuss the program and the ongoing floodplain mapping project taking place in the County as it is indicative of the communities' interest in the program and their commitment to their resident's safety and property protection in the event of a flood event.

CWCB staff were able to address questions regarding the current floodplain map, extent of the new mapping project, historical flooding of the area, the benefits of the NFIP, community roles & responsibilities, and the impact of participating in the program on structures that would be shown as in the Special Flood Hazard Area (SFHA).

(Doug Mahan)

## WATER SUPPLY PLANNING SECTION UPDATES

*The Water Plan continues to be a primary focus of the work in the Water Supply Planning Section in order to ready a draft for public review by June 30, 2022.*

*In addition to the work on the draft Water Plan, the Water Supply Planning section continues work to update our HB- 1051 (municipal water use/efficiency) reporting framework including revising the Guidelines Regarding the Reporting of Water Use and Conservation Data by Covered Entities (conservation reporting guidelines). The recommended updates to these guidelines have been included on the May consent agenda for CWCB Board review. These guidelines will inform and support the ongoing work to update the new update to the online reporting portal/database.*

### TECHNICAL ASSISTANCE FOR FEDERAL COST SHARE GRANT PROGRAM UPDATE:

**Background:** The Technical Assistance for Federal Cost-Share Program provides financial assistance to eligible organizations to expand water resource stakeholders' capacity through project development and funding assistance. Primarily, all grant applications must include tasks that will develop applications for federal funding programs that may leverage state and local resources.

#### **New grant applications approved by Director Mitchell:**

| <b>Basin</b> | <b>Applicant/Grantee</b>                   | <b>Project Title</b>   | <b>Activity</b>  | <b>Funding Amount</b> |
|--------------|--|--|--|-----------------------|
| Rio Grande   | Colorado Rio Grande Restoration Foundation | 2022 Rio Grande Stream Management Plan Priority Infrastructure Improvement Project | Prepare applications for federal funding to support multi-purpose irrigation infrastructure improvements | \$45,900              |

## INSTREAM FLOW ATTACHMENTS

**ISF Water Right Application in Case 22CW3030:** On March 30, 2022 Denver Water along with its co-applicants (including the CWCB) filed a water court application for finding of reasonable diligence to rights decreed in case 11CW0152. Located below is a portion of the purpose and background section of the current application which provides a summary of the project. “On September 23, 2010, Denver Water and seventeen entities from the West Slope reached consensus on the Colorado River Cooperative Agreement (“CRCA”), which resolves various longstanding disputes involving Denver Water’s operations on the West Slope. The CRCA became effective on September 26, 2013, following execution by all parties. As part of the CRCA, Grand County, Denver Water, and other West Slope entities agreed to the Intergovernmental Agreement for the Learning by Doing Cooperative Effort that provides for the parties to engage in a cooperative, iterative and on-going process to maintain, and when reasonably possible, restore or enhance the stream environment. In furtherance of the objectives of the CRCA, Grand County, the CWCB, and Denver Water entered into a Water Delivery and Stream Flow Improvement Agreement dated on or about November 23, 2011 which established conditions for the appropriation, diversion, and delivery of water by Denver Water for instream flow use by the CWCB to preserve and improve the natural environment to a reasonable degree on the stream segments. The final corrected decree entered in Case No. 2011CW152 implemented portions of the CRCA and achieve other environmental and West Slope water use goals as discussed above.”

**RECENTLY DECREED ISF WATER RIGHTS:** On April 11, 2022, the Division 4 Water Court decreed instream flow (ISF) water rights to the CWCB on a reach of Elk Creek in Case No. 21CW3066 for 0.2 cfs (08/16-04/30), 1.5 cfs, (05/01-07/10), & 0.65 cfs (07/11-08/15), with an appropriation date of January 25, 2021. The upstream terminus is Elk Creek’s headwaters, and the lower terminus is the confluence with Coal Creek. This reach is approximately 2.66 miles long and flows in a southeasterly direction through parts of Gunnison County. No statements of opposition were filed in this case. High County Conservation Advocates (HCCA) recommended an ISF on this reach of Elk Creek to protect the natural environment which includes a self-sustaining fish community of Brook and Rainbow Trout.

On April 11, 2022, the Division 4 Water Court decreed instream flow (ISF) water rights to the CWCB on a reach of Wildcat Creek in Case No. 21CW3070 for 0.35 cfs (12/01 - 03/31), 0.65 cfs (04/01 - 04/30), 2.1 cfs (05/01 - 08/31), & 0.6 cfs (09/01 - 11/30), with an appropriation date of January 25, 2021. The upstream terminus for this ISF is the outlet of Green Lake, and the lower terminus is the confluence with Coal Creek. This reach is approximately 2.48 miles long and flows in a northeasterly direction through parts of Gunnison County. No statements of opposition were filed in this case but terms and conditions negotiated with Trappers Crossing Homeowners Association during the notice and comment period were included in this decree. HCCA recommended an ISF on this reach of Wildcat Creek to protect the natural environment which includes a self-sustaining Cutthroat Trout fishery and a diverse macroinvertebrate community.

**May 17-18, 2022 Board Meeting  
Instream Flow and Natural Lake Level Program  
Summary of Resolved Legal Protection Cases**

The Board’s Instream Flow (“ISF”) Rule 8i(1) states:

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

Staff has resolved issues of potential injury in the following water court cases. Staff, along with the Attorney General’s Office has stipulated in 3 cases in which CWCB had filed a Statement of Opposition, and 2 other cases were withdrawn.

**A. STATEMENTS OF OPPOSITION**

**(1) Case No. 18CW3230 (Water Division 1) - Application of The Consolidated Mutual Water Company**

The Board ratified this Statement of Opposition at its March 2019 meeting. Applicant sought 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. This case is scheduled for a ten-day trial beginning October 24, 2022.

The CWCB holds instream flow water rights, including the following, in Water Division 1 in the Clear Creek watershed that could have been injured by this application:

| <b>Case Number</b> | <b>Stream</b> | <b>Upper Terminus</b>   | <b>Lower Terminus</b>             | <b>CFS Rate (Dates)</b>              | <b>Approp. Date</b> |
|--------------------|---------------|-------------------------|-----------------------------------|--------------------------------------|---------------------|
| 95CW0256           | Fall River    | confl unnamed tributary | ~ 200 yards u/s confl Clear Creek | 5.25 (5/1 - 9/30)<br>2 (10/1 - 4/30) | 07/24/1995          |

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

- “The subject water rights changed herein shall not be utilized to effect an exchange that involves waters of the state unless specifically authorized by the Water Court in a separate decree or by the Division Engineer pursuant to an administratively authorized exchange in accordance with C.R.S. § 37-83-104. The Applicant may utilize the subject water rights to effect intra-ditch exchanges within and among the facilities of the Agricultural Ditch or Consolidated Mutual water systems, except for the Mountain Reservoirs.”
- “Colorado Water Conservation Board Decreed Instream Flow Rights. This Decree does not authorize nor prevent any contract, sale, lease, or other disposal of the Subject Inches by Consolidated Mutual to third parties for replacement of depletions occurring within or upstream of any stream reach for which the CWCB holds a decreed instream flow right existing as of the date of this Decree. This

Decree does not appropriate any rights of substitution and exchange for use of the Subject Inches anywhere, and particularly not for exchange reaches that include the Fall River or any other reach within Colorado subject to an existing CWCB instream flow water right. Any use of the Subject Inches by Consolidated Mutual or any third-party via exchange that is not publicly noticed on the Division of Water Resources' substitute water supply plan notification list or through resume notice due to the filing of a water court application, shall be approved by the Division Engineer prior to operation and administered within the priority system so as to not cause a reduction in streamflow below the flow rate for any decreed CWCB instream flow water right."

**(2) Case No. 20CW3029 (Water Division 2) - Application of The Bar NI Corporation**

The Board ratified this Statement of Opposition at its September 2020 meeting. Applicant requested a change of water rights and to amend plan for augmentation Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured. The final decree was entered on May 3, 2022.

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

| Case Number | Stream           | Upper Terminus                  | Lower Terminus     | CFS Rate (Dates)   | Approp. Date |
|-------------|------------------|---------------------------------|--------------------|--|--------------|
| 09CW0090    | Purgatoire River | confl M/N Fork Purgatoire River | confl Lopez Canyon | 21 (5/15 - 8/15)<br>15 (8/16 - 9/15)<br>8.4 (9/16 - 11/30)<br>7 (12/1 - 4/14)<br>8.4 (4/15 - 5/14) | 01/27/2009   |

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

- Applicant agreed to list the cfs rate representing its one-third interest, as follows: "The water right to be changed in this case is Applicant's one-third interest in the Santistevan Ditch equal to 1.067 cfs."
- Applicant agreed to specify that its intended uses are limited to the pond, as follows: "The piscatorial, recreation, wildlife habitat, stock watering and incidental aesthetic uses will be limited to the Solitario Pond high water line."
- Applicant agreed to replace return flow in time, place, and amount, as follows:  
 "Applicant shall replace historical return flows for its interest in the Santistevan Ditch as described herein. During the irrigation season (April through August), on a daily basis Applicant shall measure and immediately replace to the stream, at the location shown in Exhibit A, unconsumed, the following percentages of its daily diversions of its interest in the Santistevan Ditch:  
 Table 3 – Irrigation Season Return Flow Percentages  
 April May June July Aug.  
 91.6% 78.5% 79.4% 85.6% 95.0%  
 In September and October, on a monthly basis, Applicant shall deliver to the Purgatoire River from Solitario Pond the following percentages of the total amount

diverted under Applicant’s interest in the Santistevan Ditch in the preceding irrigation season (April through August):

Table 4 – Non-Irrigation Season Return Flow Percentages

Sept. Oct.

0.36% 0.04%

Applicant may not divert its interest in the Santistevan Ditch unless it replaces its historical return flows as described herein.”

**(3) Case No. 20CW3100 (Water Division 4) - Application of Hartman Family Trust**

The Board ratified this Statement of Opposition at its March 2021 meeting. Applicant requested water storage rights, groundwater rights, surface water rights, change of water rights, appropriative right of exchange, and approval of plan for augmentation. Staff, in cooperation with the Attorney General’s Office, has negotiated a settlement to ensure that the CWCB’s instream flow water rights will not be injured. The final decree was entered on May 2, 2022.

The CWCB holds instream flow water rights, including the following, in Water Division 4 in the Uncompahgre watershed that could have been injured by this application:

| Case Number | Stream            | Upper Terminus              | Lower Terminus          | CFS Rate (Dates)                      | Approp. Date |
|-------------|-------------------|-----------------------------|-------------------------|---------------------------------------|--------------|
| 98CW0234    | Dallas Creek      | confl E & W Forks Dallas Cr | confl Ridgway Reservoir | 9 (10/15 - 4/30)<br>20 (5/1 - 10/14)  | 07/13/1998   |
| 98CW0222    | Uncompahgre River | Highway 62 bridge           | confl Ridgway Res       | 20 (10/15 - 4/30)<br>65 (5/1 - 10/14) | 07/13/1998   |

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

- “In the event of a call on Dallas Creek that requires curtailment of Applicant’s junior rights decreed herein, Applicant can continue to divert its HCU associated with the dry up of 3.4 acres, described above, that is in priority at a maximum rate of .09 c.f.s.”
- “The Hartman Ridgway Reservoir Exchange will operate to exchange releases from Ridgway Reservoir made pursuant to the augmentation plan requested in paragraph 12, below, from Ridgway Reservoir (“lower terminus”) up to the headgate for the Dallas Placer Ditch (“upper terminus”). The exchange reach encompasses and includes the point of diversion for the Hartman Pit Well No. 3 Diversion, which may operate under the exchange regardless of whether diversions are made at the upper terminus. The exchange shall not operate if either the CWCB’s instream flow water rights decreed in Case No. 98CW234 on Dallas Creek, or in Case No. 98CW222 on the Uncompahgre River are being administered within the exchange reach.”
- “In the event of a valid senior downstream call on Dallas Creek in October that would result in out-of-priority depletions in excess of available HCU credits, the Applicant shall cease diversions from Dallas Placer Ditch Hartman Enlargement, and Hartman Pit Well No. 3. Diversion.”

**(4) Case No. 21CW3087 (Water Division 5) - Application of Merriman Living Trust dated August 27 2007, as amended**

The Board ratified this Statement of Opposition at its January 2022 meeting. Applicant Amended its Application for Change of Water Right. In this case, Applicant filed to withdraw its case. The Court granted Applicant's Motion to Withdraw without prejudice and ordered that each party pay their own costs and fees associated with this case.

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

| <b>Case Number</b> | <b>Stream</b> | <b>Upper Terminus</b> | <b>Lower Terminus</b> | <b>CFS Rate (Dates)</b>              | <b>Approp. Date</b> |
|--------------------|---------------|-----------------------|-----------------------|--------------------------------------|---------------------|
| 80CW0124           | Eagle River   | confl Brush Creek     | confl Colorado River  | 50 (10/1 - 4/30)<br>130 (5/1 - 9/30) | 03/17/1980          |

**(5) Case No. 20CW3031 (Water Division 6) - Application of Yellow Jacket Water Conservancy District**

The Board ratified this Statement of Opposition at its November 2020 meeting. Application for changes of water rights. The Applicant filed to dismiss this case. The Court granted Applicant's Motion to Dismiss with prejudice and ordered that each party pay their own costs and fees associated with this case.

The CWCB holds instream flow water rights, including the following, in Water Divisions 5 and 6 in the Upper White River Watershed, that could have been injured by this application:

| <b>Case Number</b>            | <b>Stream</b>          | <b>Upper Terminus</b>     | <b>Lower Terminus</b>  | <b>CFS Rate (Dates)</b>  | <b>Approp. Date</b> |
|-------------------------------|------------------------|---------------------------|------------------------|--|---------------------|
| W-3652C<br>(1977)<br>(Div. 5) | White River            | confl NF & SF White River | confl Piceance Creek   | 200 (1/1 - 12/31)  | 11/15/1977          |
| W-3652H<br>(1977)<br>(Div. 5) | North Fork White River | confl Marvine Creek       | confl S Fk White River | 120 (1/1 - 12/31)  | 11/15/1977          |
| W-3704<br>(1978)<br>(Div. 5)  | North Fork White River | confl Ripple Creek        | confl Marvine Creek    | 70 (1/1 - 12/31)   | 01/19/1978          |
| 19CW3014<br>(Div. 6)          | North Fork White River | confl Big Fish Creek      | confl Ripple Creek     | 23 (11/16 - 05/10)<br>74 (05/11 - 09/15)<br>60 (09/16 - 11/15) | 01/29/2019          |



# COLORADO

## Colorado Water Conservation Board

Department of Natural Resources

1313 Sherman Street  
Denver, CO 80203

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

Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Rebecca Mitchell, CWCB Director

**TO:** Colorado Water Conservation Board Members

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

**Board Meeting:** May 17-18, 2022 Board Meeting

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

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### Introduction

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

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

- 1.35% - Agricultural
- 1.90% - Low-income Municipal
- 2.15% - Middle-income Municipal
- 2.40% - High-income Municipal
- 6.00% - Commercial
- 2.00% - Hydroelectric

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

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





**COLORADO**

**Colorado Water  
Conservation Board**

Department of Natural Resources

1313 Sherman Street, Room 718  
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Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Rebecca Mitchell, CWCB Director

**TO:** Colorado Water Conservation Board Members

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

**DATE:** May 17-18, 2022 Board Meeting

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

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

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



**Prequalified Project List**

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



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

| BORROWER                                | PROJECT NAME                       | POTENTIAL LOAN AMOUNT  |
|---|------------------------------------|------------------------|
| <b>South Platte</b>                     |                                    |                        |
| NISP Participants                       | NISP                               | \$750,000,000          |
| Woods Lake Mutual Ditch Company         | Culvert Replacement                | \$150,000              |
| Town of Kersey                          | Water Line Project                 | TBD                    |
| Riverside Reservoir and Land Company    | Ditch Rehabilitation               | \$250,000              |
| Town of Bennett                         | Raw Water Tank                     | \$500,000              |
| Evergreen Metro District                | Evergreen Dam Enlargement          | TBD                    |
| Left Hand Water District                | Dry Creek Reservoir                | TBD                    |
| Shawnee Water Consumers Association     | Reservoir Rehabilitation           | \$200,000              |
| Boulder and White Rock Ditch & Res. Co. | Reservoir Dredging                 | TBD                    |
| Western Mutual Ditch Company            | Reservoir Dredging                 | TBD                    |
| Bergen Ditch and Reservoir Company (*)  | Reservoir Rehabilitation           | TBD                    |
| Louviers Water and Sanitation District  | Regional Connection                | TBD                    |
| City of Fort Collins                    | Irrigation Ditch Piping            | \$20,000,000           |
| City of Fort Collins                    | Halligan Reservoir Enlargement     | \$120,000,000          |
| Northern Colorado WCD                   | Windy Gap Firing (increase)        | \$40,000,000           |
| SPROWG Participants                     | SPROWG                             | \$1,800,000,000        |
| City of Milliken (*)                    | Hillsboro Dam Rehabilitation       | \$15,000,000           |
| Colorado Parks and Wildlife (*)         | Tarryall Dam Rehabilitation        | \$5,000,000            |
| Dave Miller Mutual Ditch Company        | Ditch Piping Project               | \$150,000              |
| Standley Lake Operating Committee       | Reservoir Expansion                | TBD                    |
| Switzerland Park HOA                    | Reservoir Rehabilitation           | \$300,000              |
| Danna Ortiz                             | Knouth Reservoir Rehabilitation    | \$3,000,000            |
| Loup Reservoir Company                  | Loup Reservoir Rehabilitation      | TBD                    |
| Smith and Emmons Ditch Company          | Headgate Rehabilitation            | \$176,000              |
| Middle South Platte Reservoir Company   | New Reservoir                      | TBD                    |
| Arthur Irrigation Company               | Ditch Rehabilitation               | TBD                    |
| Handy Ditch Company                     | Welch Reservoir Rehabilitation     | \$1,000,000            |
| Castle Pines Metropolitan District      | Chatfield Water Purchase           | \$500,000              |
| Glacier Lake Property Owners            | Glacier Lake Outlet Rehabilitation | TBD                    |
| Central, City of                        | Raw Water Pipeline                 | TBD                    |
| Denver, City of                         | Floodplain Improvement             | TBD                    |
| Consolidated Mutual Water Company (*)   | Reservoir Rehabilitation           | TBD                    |
| Ogilvy Irrigating and Land Company      | Loloff Reservoir Improvements      | \$5,200,000            |
| Wadley Farms 3 HOA                      | Reservoir Rehabilitation           | TBD                    |
| Loveland Lake and Ditch Company         | Reservoir Rehabilitation           | TBD                    |
| <b>Subtotal</b>                         |                                    | <b>\$2,761,426,000</b> |



| BORROWER                                   | PROJECT NAME                          | POTENTIAL LOAN AMOUNT |
|--|---------------------------------------|-----------------------|
| <b>Arkansas</b>                            |                                       |                       |
| Town of Manitou Springs                    | Raw Water Pipeline                    | \$3,000,000           |
| City of Woodland Park                      | Storage Project                       | \$1,000,000           |
| Fort Lyon Canal Company                    | Adobe Creek Enlargement               | \$8,000,000           |
| Deweese Ditch and Reservoir Co. (+)        | Reservoir Enlargement                 | TBD                   |
| Holbrook Ditch Company                     | Reservoir Enlargement                 | TBD                   |
| Lake County                                | New Reservoir                         | TBD                   |
| Catlin Canal Company                       | Canal System Improvement              | \$1,500,000           |
| Lower Arkansas WCD                         | New Storage Account                   | TBD                   |
| Donala Water and Sanitation District       | Ditch Construction                    | TBD                   |
| Mesa McKenna Mutual Ditch Company          | Ditch Piping Project                  | TBD                   |
| Town of Avondale (*)                       | New Well                              | TBD                   |
| Round Mountain Water & Sanitation          | New Reservoir                         | TBD                   |
| Ordway, Town of                            | Reservoir Rehabilitation              | TBD                   |
| Cross Creek Metropolitan District          | Hale Reservoir Rehabilitation         | \$3,000,000           |
| Twin Lakes Reservoir and Canal Company     | Dam and Tunnel Rehabilitation         | \$5,500,000           |
| Colorado City (*)                          | Beckwith Dam Rehabilitation           | \$8,000,000           |
| Oxford Ditch Company                       | Flume Rehabilitation                  | \$1,800,000           |
| Fort Lyons Canal Company (+)               | Diversion Structure Repair            | \$500,000             |
| Aguilar, Town of (‡)                       | New Augmentation Reservoir            | TBD                   |
| Huerfano County                            | Water Rights Purchase                 | \$1,200,000           |
| <b>Subtotal</b>                            |                                       | <b>\$33,500,000</b>   |
| <b>San Miguel/Juan</b>                     |                                       |                       |
| Town of Bayfield                           | Ditch Piping Project                  | \$500,000             |
| Redmesa Reservoir and Ditch Co. (*)        | Redmesa Reservoir Enlargement         | \$11,500,000          |
| City of Cortez                             | Distribution System (Loss Prevention) | \$10,000,000          |
| Webber Ditch Company (‡)                   | Ditch Piping Project                  | TBD                   |
| Pagosa Area Water and Sanitation Dist. (*) | Raw Water Pipeline Rehabilitation     | TBD                   |
| Town of Naturita                           | Water Meters                          | TBD                   |
| Farmers Water Development Company          | Reservoir Rehabilitation              | TBD                   |
| Lone Cone Ditch and Reservoir Company      | Reservoir Rehabilitation              | TBD                   |
| Sellers McClane Reservoir and Ditch Co.    | Reservoir Rehabilitation              | TBD                   |
| <b>Subtotal</b>                            |                                       | <b>\$22,000,000</b>   |
| <b>Colorado</b>                            |                                       |                       |
| Orchard Mesa Irrigation District           | Lateral Piping                        | \$300,000             |
| Silt Water Conservancy District            | Harvey Gap Reservoir                  | \$300,000             |
| Middle Ditch                               | Ditch Piping Project                  | TBD                   |
| New Multa Trina Ditch Company (‡)          | Ditch Piping Project                  | TBD                   |
| Gunther Covers                             | Christenson Dam                       | TBD                   |
| Town of Minturn                            | New Well Field                        | \$5,220,000           |
| Flannery Water Company, LLC                | Reservoir Rehabilitation              | TBD                   |
| Morrisania Water Supply Company            | Headgate Repair and Ditch Piping      | \$150,000             |
| Fruita, City of                            | Reservoir Rehabilitation              | TBD                   |
| Dave Phelps                                | King Dam Rehabilitation               | TBD                   |
| Royal Elk Ranch                            | Ditch Rehabilitation                  | \$2,000,000           |
| <b>Subtotal</b>                            |                                       | <b>\$7,970,000</b>    |



| BORROWER                                 | PROJECT NAME                     | POTENTIAL LOAN AMOUNT |
|--|----------------------------------|-----------------------|
| <b>Gunnison</b>                          |                                  |                       |
| Gunnison County Electric                 | Taylor Park Hydro                | \$1,000,000           |
| Duke Ditch Company                       | Ditch Piping Project             | \$400,000             |
| Bostwick Park Water Conservancy District | Dam Construction                 | TBD                   |
| Kendall Reservoir Company                | Reservoir Rehabilitation         | \$140,000             |
| Orchard City Irrigation District (‡)     | Fruit Growers Reservoir Rehab    | \$240,000             |
| Ouray, City of                           | Water Supply Pipeline            | \$750,000             |
| Grand Mesa Water Users Association       | Reservoir Rehabilitation         | \$600,000             |
| Crested Butte, Town of                   | Dam Outlet Rehabilitation        | TBD                   |
| Olathe, Town of                          | Water Meter Replacement          | TBD                   |
| Lone Cabin Ditch Company                 | Ditch Rehabilitation             | TBD                   |
| <b>Subtotal</b>                          |                                  | <b>\$3,130,000</b>    |
| <b>North Platte</b>                      |                                  |                       |
| Colorado Parks and Wildlife (*)          | North Michigan Creek Reservoir   | \$6,000,000           |
| Spicer Ranches, LTD                      | Reservoir Rehabilitation         | TBD                   |
| Walden, Town                             | New Well                         | TBD                   |
| <b>Subtotal</b>                          |                                  | <b>\$6,000,000</b>    |
| <b>Rio Grande</b>                        |                                  |                       |
| Manassa Land & Irrigation Co.            | Ditch Rehabilitation             | \$6,000,000           |
| Baca Grande WSD                          | Water Rights Purchase            | \$1,000,000           |
| Sanchez Ditch and Reservoir Co.          | Dam Rehabilitation               | \$4,000,000           |
| Rio Grande WCD - Subdistrict #1          | Water Rights Purchase            | \$5,000,000           |
| Center, Town of                          | Water Meter Project              | \$200,000             |
| San Luis Valley WCD (+)                  | Shaw Reservoir Purchase          | TBD                   |
| Colorado Parks and Wildlife              | Alberta Park Dam Rehabilitation  | \$4,000,000           |
| La Jara, Town of                         | System Rehabilitation            | TBD                   |
| Crestone, Town of                        | Water Rights Purchase            | \$200,000             |
| <b>Subtotal</b>                          |                                  | <b>\$20,400,000</b>   |
| <b>Yampa</b>                             |                                  |                       |
| Town of Oak Creek (*)                    | Reservoir Rehabilitation         | \$5,600,000           |
| Rio Blanco WCD                           | Wolf Creek Reservoir             | \$100,000,000         |
| Bear River Reservoir Company             | Stillwater #1 Dam Rehabilitation | TBD                   |
| Marc Etchart                             | Procter Reservoir Rehabilitation | TBD                   |
| <b>Subtotal</b>                          |                                  | <b>\$105,600,000</b>  |





# COLORADO

## Colorado Water Conservation Board

Department of Natural Resources

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Denver, CO 80203

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Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Rebecca Mitchell, Director

**To:** Colorado Water Conservation Board Members

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

**Board Meeting:** May 17-18, 2022 Board Meeting

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

The CWCB Loan Program has Substantially Completed (15) projects in Fiscal Year 2021/2022 as shown in the Table. There are currently (45) projects authorized to receive loan funding totaling \$329M. There are (41) projects currently under contract and in the Design/Construction phase totaling \$225M. The attached spreadsheet summarizes the status of all loan. A detailed description about each project is provided on the CWCB website under Water Project Loan Program. [cwc.colorado.gov/loans-grants/water-project-loan-program](http://cwc.colorado.gov/loans-grants/water-project-loan-program)

|    | Borrower                            | Project  | County                             | Loan Amount  | Complete    |
|----|-------------------------------------|--|------------------------------------|--------------|-------------|
| 1  | North Sterling Irrigation District  | Outlet Canal Automation Phase II Project               | Logan                              | \$395,920    | 7/1/21      |
| 2  | Redlands Water and Power Co.        | Roller Gate Replacement                                | Mesa                               | \$404,000    | 8/1/21      |
| 3  | Pueblo Conservancy District         | Arkansas River & Wildhorse Creek Levees Project        | Pueblo                             | \$23,230,000 | 9/1/21      |
| 4  | Julesburg Irrigation District       | Diversion Structure Rehabilitation                     | Sedgwick                           | \$1,298,207  | 9/1/21      |
| 5  | San Luis Valley Irrigation District | Rio Grande Res Rehab - Phase 2                         | Hinsdale /Rio Grande               | \$15,000,000 | 10/1/21(a)  |
| 6  | Central Colorado WCD                | Chatfield Reallocation Project Phase II Mitigation     | Douglas Arapahoe / Douglas /Park / | \$6,670,684  | 10/1/21 (b) |
| 7  | Castle Pines North MD               | Chatfield Reallocation Project Phase II Mitigation     | Arapahoe / Douglas /Park /         | \$1,430,032  | 10/1/21(c)  |
| 8  | Centennial WSD                      | Chatfield Reallocation Project Phase II Mitigation     | Arapahoe / Douglas /Park /         | \$10,400,368 | 11/1/21 (d) |
| 9  | Centennial WSD                      | Chatfield Reallocation Project - First Cost of Storage | Arapahoe / Douglas /Park /         | \$4,978,290  | 11/1/21     |
| 10 | Rural Ditch Company                 | Diversion Structure Improvement                        | Weld                               | \$662,483    | 12/1/21     |
| 11 | Central Colorado WSD                | Walker Recharge  | Weld                               | \$2,272,500  | 1/1/22      |
| 12 | GMS of CCWCD                        | Walker Recharge  | Weld                               | \$9,847,500  | 1/1/22      |
| 13 | WAS of CCWCD                        | Walker Recharge  | Weld                               | \$3,030,000  | 1/1/22      |
| 14 | Huerfano County WCD                 | Regional Augmentation Project                          | Huerfano                           | \$2,666,400  | 2/1/22 (e)  |
| 15 | Upper Platte & Beaver Canal Co.     | Diversion Structure                                    | Morgan                             | \$4,078,215  | 2/1/22      |
|    |                                     |  | Total                              | \$86,464,599 |             |

Fiscal Year 2021 - 2022 has added and preserved 63,340 acre-feet of reservoir storage; (a) 51,113; (b) 4,274; (c) 1,006; (d) 6,922; (e) 25



|   | Borrower/Projects  | County             | Loan Amount | Design Status | Const. Start/End                | Const Status | PM          | Status Description/Update   |
|---|--|--------------------|-------------|---------------|---------------------------------|--------------|-------------|---|
| <b>Projects in Design or Construction</b> |  |                    |             |               |                                 |              |             |   |
| 1   | Amity Mutual Irrigation Company<br>>Queen Reservoir Dam Rehabilitation<br>CT2021-2224                                    | Kiowa              | \$1,333,000 | 50%           | Fall 2020<br>-<br>Spring 2023   | 5%           | RP<br>/KR.T | Dam breached. Final design underway then Dam Safety review/approval. Bid pkg. Aug2021.  |
| 2   | Arapahoe County Water and Wastewater Authority<br>>Chambers Reservoir Liner Rehabilitation<br>CT2021-0513                | Arapahoe           | \$4,000,000 | 100%          | May 2020<br>-<br>May 2022       | 80%          | RP<br>/CB   | Under construction Aug 2020. Dam Safety fill approval-May2021. Loan increase request May2021 for pump system component. Crane cert. 12/2021, pump delivery-delay until 1/2022, pouring pump pads 12/2021  |
| 3   | Billings Ditch Company<br>>Billings Ditch Implementation Project<br>CT2022-2886  | Rio Grande/Alamosa | \$171,000   | 100%          | Fall 2021<br>-<br>Fall 2022     | 20%          | CB          | This project is being managed by the Rio Grande Headwaters Restoration Foundation to replace the Billings Ditch diversion structure. A water plan grant for the same project was contracted in October. Construction is currently under way.  |
| 4   | Cedar Mesa Ditch Company<br>>Lower Cedar Mesa Ditch Piping<br>CT2020-2680  | Delta              | \$1,346,000 | 100%          | Oct 2020<br>-<br>Spring 2022    | 99%          | MS          | Construction began in October 2020 and completed in January of 2022. Minor ongoing cleanup is still occurring, but substantial completion is anticipated in spring/summer of 2022   |
| 5   | Deuel and Snyder Improvement Company<br>>Diversion Structure Replacement<br>CT2020-3562                                  | Morgan             | \$643,000   | 100%          | Aug 2020<br>-<br>May 2022       | 85%          | CB          | This project will support the replacement of UPBCC/DSIC's 1,400 foot long diversion structure on the South Platte. Contractor mobilization and first purchase of materials took place in June 2020. A Scope increase will extend the project into Spring 2022.                        |
| 6   | Dove Creek, Town of<br>>Reservoir No. 2<br>>CT2022-3321 (WPG) CTGG1 2022-3278  | Dolores            | \$800,000   | 50%           | Nov 2022<br>-<br>Dec 2023       | 0%           | RP<br>/CB   | Waiting on WPG contract.  |
| 7   | Duke Ditch Company<br>>Piping the Duke Ditch<br>>CT2017-0915 CTGG1 2017-0212 (WSRF)                                      | Delta              | \$90,000    | 100%          | On Hold                         | 0%           | MS          | NRCS finalized the design in August 2018. Federal grant expired. Company is evaluating options of applying for a loan increase and completing project without federal grant dollars.  |
| 8   | Florida Consolidated Ditch Company<br>>Hess Lateral Improvement<br>>CT2019-2034 CTGG1 2016-1319 (WSRF)                   | La Plata           | \$1,075,000 | 100%          | On Hold                         | 0%           | KR          | Company received bids. The low bid exceeded the available funding. Company is in the process of value engineering and project adjustments.  |
| 9   | Florida Consolidated Ditch Company<br>>Florida Canal Diversion Replacement<br>>CT2021-2890 WSRF & WPG CTGG1 2021-2418    | La Plata           | \$750,000   | 10%           | Summer 2021<br>-<br>Fall 2023   | 0%           | MS          | This project is the replacement of a low head dam diversion structure with multibeneficial outcomes. Design work began in the summer of 2021 and is ongoing.  |
| 10  | Fort Morgan Farms, LLC<br>>Delta Water Storage Phase 1<br>CT2021-2222  | Weld               | \$8,982,000 | 100%          | Fall 2021<br>-<br>Spring 2022   | 60%          | CB          | The Delta Storage Project will construct a below grade storage reservoir. The loan covers the cost of constructing a slurry wall around the reservoir to isolate future stored water from existing groundwater. Currently the slurry wall is under construction.                      |
| 11  | Fruitland Irrigation Company<br>>Tunnel and Canal Renovation<br>>CT2019-2848 WSRF CTGG1 2019-2449<br>WPG CTGG1 2019-2475 | Delta & Montrose   | \$1,729,000 | 100%          | Jan 2020<br>-<br>Dec 2023       | 35%          | RP<br>/KR   | Sept 2018 letter from Bureau of Reclamation recvd. Section 1 tunnel work bid pkg Dec2020. Section 2 Tribble - Pipe placement, compaction testing. Section 3&4 Rundle - begin breaking and removal of bedrock. Tribble and Wright placing concrete lining.                             |
| 12  | Genesee Water and Sanitation District<br>>Reservoir No. 1 Enlargement<br>>CT2021-2851 WPG CTGG1 2021-3347                | Jefferson          | \$4,200,000 | 90%           | Fall 2021<br>-<br>Winter 2023   | 5%           | RP<br>/CB   | Loan approved Sep 2020. Water Plan Grant approved in March2021. Bid anticipated early June2022.   |
| 13  | Glenwood Springs, City of<br>>System Redundancy and Pre-Treatment Improvemnts<br>>CT2021-3104                            | Garfield           | \$8,000,000 | 100%          | Spring 2021<br>-<br>Fall 2021   | 20%          | CB          | This Wildfire Emergency Loan will improve the infrastructure for Glenwood Springs' water collection system to cope with increased sediment in their source waters as a result of the Grizzley Creek Fire in 2020.   |
| 14  | Grand Mesa Water Conservancy District<br>>Peak Res. & Blanche Park Res. Rehabilitation<br>C150354 (CT2015-061)           | Delta              | \$466,620   | 100%          | Mar 2013<br>-<br>Dec 2021       | 99%          | MS          | Construction on Peak Reservoir began in the 2013 season and was completed in Oct 2014. Construction on Blanche Park Reservoir began in July 2020 and completed in December 2021. Substantial completion is anticipated in early summer 2022.  |
| 15  | Grand Junction, City of<br>>Carson Reservoir Dam Rehabilitation<br>CT2021-3110   | Mesa               | \$3,000,000 | 100%          | Spring 2021<br>-<br>Fall 2021   | 30%          | CB          | This project will update Grand Junction's Carson Reservoir in compliance with Dam Safety's recommendations including installing state-of-the-art flood advance warning equipment. The Contractor has shut down for the winter and will re-mobilize in spring 2022.                    |
| 16  | Grand Junction, City of<br>>Purdy Mesa Flowline Replacement<br>CT2021-2857   | Mesa               | \$7,000,000 | 100%          | Winter 2021<br>-<br>Summer 2023 | 0%           | CB          | The Purdy Mesa Flowline is a large diameter pipeline that supplies raw water to the Grand Junction WTP. Most of the line was replaced as part of previous projects and this project will replace the last remaining out-of-date pipe material. Project is on hold until 2022.         |
| 17  | Groundwater Management Subdistrict of CCWCD<br>>Hokestra Reservoir Purchase<br>CT2020-3348                               | Weld               | \$5,390,500 | 100%          | May 2020<br>-<br>Dec 2022       | 60%          | CB          | This Project will purchase an existing reservoir for use as augmentation storage. Funds have been disbursed for the reservoir purchase, but construction is in the earliest phases.   |
| 18  | Groundwater Management Subdistrict of CCWCD<br>>Pioneer Reservoir<br>CT2019-3687   | Weld               | \$8,611,000 | 75%           | Sep 2019<br>-<br>May 2022       | 60%          | CB          | This is a gravel pit retrofit for augmentation water supply. Funds for the initial reservoir purchase and some engineering were disbursed in May 2019. Construction efforts are expected to begin in 2021.  |
| 19  | Hidden Valley Water District<br>>Master Water Meter Connection<br>CT2020-2244  | Jefferson          | \$1,720,000 | 100%          | Feb 2020<br>-<br>Dec 2021       | 95%          | RP<br>/KR   | Assets and operations are all to the District. District signed and approved EMD IGA. Precon Dec2019. Construction begin Feb 2020. EMD connect 7/2020. Construction complete, final walkthru Aug2020. Working on IGA with EMD. Continued water court proceedings by EMD as of 12/2021. |
| 20  | Left Hand Ditch Company<br>>Allen's Lake Filler Canal Improvements<br>CT2019-3463  | Boulder            | \$1,065,000 | 100%          | Dec 2020<br>-<br>Nov 2021       | 95%          | CB          | This project replaced 2,750 feet of open ditch with a buried pipe. The Borrower is returning for a loan increase to cover the costs of some scope changes and increased material costs. Minor landscaping work will be completed this summer to wrap up the project.                  |
| 21  | Logan Irrigation District<br>>Prewitt Reservoir Rehabilitation<br>CT2021-3898  | Logan              | \$1,563,000 | 100%          | Spring 2021<br>-<br>Fall 2021   | 90%          | CB          | This project will support dredging efforts to eliminate a dead pool at Prewitt Reservoir. The project is currently under way and the contractors are on site.   |

|  | Borrower/Projects   | County               | Loan Amount  | Design Status               | Const. Start/End                | Const Status | PM          | Status Description/Update   |
|--|---|----------------------|--------------|-----------------------------|---------------------------------|--------------|-------------|---|
| 22   | Lookout Mountain Water District<br>>Upper and Lower Beaver Brook Dam Rehabilitation<br>CT2021-3115    | Jefferson            | \$3,500,000  | 100%                        | Spring 2021<br>-<br>May 2022    | 85%          | RP<br>/CB   | Contractor mobilized and site staging. Construction and dam demolition. RCC dam 100% complete as of 12/21. Spillway and outlet work construction continues.   |
| 23   | North Sterling Irrigation District<br>>North Sterling River Diversion Replacement<br>CT2021-3875      | Morgan               | \$3,498,000  | 100%                        | Fall 2021<br>-<br>Spring 2022   | 90%          | CB          | Demolition of the existing structure began in July 2021. Long-lead-time items have been ordered. Work is progressing on schedule and on budget. Completion is expected before the 2022 irrigation season begins.  |
| 24   | Ogilvy Irrigating and Land Company<br>>Seely Reservoir Dredging<br>>CT2019-2099 CTGG1 2019-2018 (WPG) | Weld                 | \$2,252,000  | 85%                         | Fall 2021<br>-<br>Spring 2023   | 0%           | RP<br>/KR   | USACE 12/2019 non jurisdictional determination. Floating dredge proposed in lieu of draining/excavating reservoir convent. excavation/haul. OILC concerned floating dredge ability dewater sufficiently for adjacent property. Reviewing options.   |
| 25   | Orphan Wells of Wiggins<br>>Kiowa Creek Dam Rehabilitation<br>CT2021-3116                             | Morgan               | \$373,000    | 100%                        | Spring 2021<br>-<br>Fall 2021   | 80%          | CB          | This project will repair five non-jurisdictional dams operated by Orphan Wells of Wiggins for augmentation purposes. Mobilization took place in January 2021. Dam work complete Spring 2021. Loan increase request (May 2021) for well power supply conversion  |
| 26   | Redmesa Reservoir and Ditch Company<br>>Redmesa Reservoir Rehabilitation Engineering<br>CT2022-0498   | La Plata             | \$183,000    | 60%                         | TBD                             | 0%           | MS          | This project is to engineer a financially feasible dam rehabilitation, including a potential enlargement. Work began on March 8, 2021 and is now exploring funding options due to significant cost increases. The Company is working to secure a sponsor for NRCS's PL-566 program.   |
| 27   | Rio Grande Water Conservation District Subdistrict No. 5<br>>Saguache Pipeline<br>CT2021-3846         | Saguache             | \$4,844,000  | 80%                         | Spring 2021<br>-<br>Fall 2022   | 0%           | RP<br>/KR.T | Working on well owner agreement and Project easement agreements. Mar2022-considering revised pipeline alignment.  |
| 28   | Southeastern CO Water Conservancy District<br>>Pueblo Dam Hydroelectric Project<br>CT2018-0833        | Pueblo               | \$17,220,000 | 100%                        | June 2017<br>-<br>Nov 2021      | 98%          | RP<br>/KR   | Construction beginning fall 2017. District anticipates power production by fall of 2018. Tie-in to SDS complete April 2018. Waiting on transformer approval from Black Hills. Turbine and generator placement and fiber optic line approval. Functional and producing power. Finalizing adjustments and design details. 2-yr performance time extension approved.   |
| 29   | South Platte Ditch Company<br>>Diversion Structure Rehabilitation<br>CT2022-0424                      | Washington           | \$1,440,000  | 100%                        | Aug 2021<br>-<br>Apr 2022       | 100%         | CB          | The project will replace the South Platte Ditch Company's Diversion Structure. Long-lead-time items have been purchased and delivered to site. Construction is ongoing.   |
| 30   | Spring Dale Ditch Company<br>>Diversion Structure Replacement Project<br>>CT2020-3110                 | Logan                | \$1,210,000  | 100%                        | Feb 2020<br>-<br>Apr 2022       | 98%          | CB          | This project will replace Springdale's aging diversion structure on the South Platte. All work except the final punch list items are complete.  |
| 31   | Trinchera - GMS<br>>Augmentation Pipeline<br>>CT2022-3040   | Rio Grande           | \$977,000    | 50%                         | Jan 2022<br>-<br>Dec 2022       | 0%           | RP<br>/KR   |   |
| 32   | Triview Metropolitan District<br>>Stonewall Springs Reservoir Complex<br>>CT2022-3328                 | Pueblo               | \$4,731,000  | 100%                        | Jan 2021<br>-<br>Sep 2022       | 75%          | RP<br>/KR.T | MAR2022-Reservoir under construction and working on pumphouse. Large pay request anticipated 6/2022. Delay on electrical panel likely install Aug2022.  |
| 33   | Tunnel Water Company<br>>West Half Laramie-Poudre Tunnel Rehabilitation<br>CT2019-3706                | Larimer              | \$17,080,000 | 100%                        | Sep 2019<br>-<br>Apr 2023       | 85%          | RP<br>/KR   | Construction scheduled to begin the Fall 2019, when low water and non-irrigation season. Requesting loan increase 11/2019, 3/2020 from Projects Bill 2020. Construction delays due to Cameron Peak wildfire. Unplanned construction season 3. Runaround complete, station 52+00 of 65+00.   |
| 34   | Tunnel Water Company<br>>Headgate Improvements Project (Wildfire Impact)<br>CT2021-3928               | Larimer              | \$1,206,000  | 100%                        | pr 2021<br>-<br>Sep 2021        | 99%          | RP<br>/KR   | Power supply installation complete. Duperon gate delivery at site. Headgate installation underway. Construction complete. Project final.  |
| 35   | Tunnel Water Company<br>>Rawah Ditch Tunnel Rehabilitation<br>CT2021-3927                             | Larimer              | \$2,150,000  | 100%                        | pr 2021<br>-<br>May 2022        | 95%          | RP<br>/KR   | Downstream end of 54in pipe backfill grouting completed. Grout return out of the rock approximately 15ft above the pipe from the rock face. Visible grey strips running vertically in center of the picture. Restriction doing injection grouting in the riprap at ends of pipe. Anticipate SC 5/2022.  |
| 36   | Victor, City of<br>>Victor Reservoir No. 2 Dam Rehabilitation<br>CT2021-3873                          | Teller               | \$510,000    | 100%                        | pr 2021<br>-<br>Dec 2022        | 0%           | RP<br>/KR   | Bid package compete and advertised. Prebid scheduled 19May2021. Planned begin construction Jun2021 changed to March 2022. Loan increase request January 2022.   |
| 37   | VINELANDS POWER PLANT PROJECT   |                      |              |                             |                                 |              |             |   |
|  | a. Grand Valley Water Users Association<br>>Vinelands Power Plant<br>>CT2022-2084 WPG CTGG1 2022-2072 | Mesa                 | \$778,011    | 100%                        | Nov 2021<br>-<br>Winter 2022    | 60%          | MS          | This project will replace the existing hydroelectric powerplant. PPA is signed, LOPP is signed. Contractor mobilized November of 2021 and construction is progressing as expected. Contractor is experiencing shipping delays for custom power plant equipment, but is able to work around the issue for the time being.  |
| b. Orchard Mesa Irrigation District<br>>Vinelands Power Plant<br>CT2022-2057 | Mesa  | \$853,912            | 100%         | Fall 2021<br>-<br>Fall 2022 | 60%                             | MS           |             |   |
| 38   | Wiggins, Town of<br>>Wiggins Recharge Facility at Glassey Farms<br>CT2018-0892                        | Morgan               | \$2,385,000  | 100%                        | Jul 2017<br>-<br>Jul 2022       | 0%           | CB          | The purpose of this project is to develop an augmentation water source for the Town. In August 2017 the Town purchased Glassey Farms and its associated water rights and 52% of funds were disbursed at that time. The project is back underway and an extension was granted.   |
| 39   | Windy Gap Firming Project Water Activity Enterprise<br>>Windy Gap Project<br>CT2021-2039              | Larimer              | \$89,108,911 | 100%                        | Spring 2021<br>-<br>Summer 2024 | 10%          | CB          | Construction contract was awarded in December and allotment contracts among project participants are being drafted. Contractor was selected in October. Project loan conditions were amended at the March Board Meeting. Due to ongoing litigation the project start is delayed until 2022.   |
| 40   | WISE Project - Phase 2 Infrastructure \$7,326,940   |                      |              |                             |                                 |              |             |   |
|  | a. Cottonwood W&S Dist - C150408C (CT2015-0105)   | Douglas/<br>Arapahoe | \$1,116,000  | 100%                        | Jan 2020<br>-<br>Dec 2022       | 90%          | RP<br>/KR   | Binney Connection Pipeline of Water Infrastructure and Supply Efficiency project will increase WISE flow capacity to 30MGD and provide infrastructure from Aurora Binney Facility to SMWSA. Pumps/Treatment-Glacier, Pipeline/Infrastructure-T.Lowell, Jacobs is Engineer. Vault excavation began 9/2020. Construction trailer onsite through project duration. Glacier complete foundation work, pump cans have been |
| b. Inverness W&S Dist - C150409C (CT2015-0119)                               | Douglas/<br>Arapahoe  | \$1,413,000          | 100%         | Jan 2020<br>-<br>Dec 2022   | 90%                             | RP<br>/KR    |             |   |

| Borrower/Projects                                  | County               | Loan Amount | Design Status | Const. Start/End          | Const Status | PM        | Status Description/Update  |
|--|----------------------|-------------|---------------|---------------------------|--------------|-----------|--|
| c. Parker W&S Dist - C150410C (CT2015-0109)        | Douglas/<br>Arapahoe | \$3,384,810 | 100%          | Jan 2020<br>-<br>Dec 2022 | 90%          | RP<br>/KR | 2020-2021 Glacier complete rehabilitation work, pumps have been delivered and installed, pump motors have arrived at the pump manufacture, preliminary SCADA meetings begun, Glacier starting to form rebar for the flow control building, start laying pipe. Precast concrete walls for pump station planned Jun2021.   |
| d. Pinery (Den SE WSD)C150411B (CT2015-0086)       | Douglas/<br>Arapahoe | \$1,413,130 | 100%          | Jan 2020<br>-<br>Dec 2022 | 90%          | RP<br>/KR |  |
| WISE Project - DIA Connection \$1,902,600          |                      |             |               |                           |              |           | Annual disbursement to be made on this loan through 2021.Design Status indicates percent of funds disbursed to date. WISE WDA negotiations between parties continue with the goal of having an amended Water Delivery Agreement ready to be brought to the respective Boards and Council for review and approval by April 1, 2021. Group discussion continues focused on the DIA Connection. |
| 41 a. Cottonwood W&S Dist - C150408D (CT2015-0104) | Douglas/<br>Arapahoe | \$363,600   | 80%           | N/A                       | 60%          | RP<br>/KR |  |
| b. Inverness W&S Dist - C150409D (CT2015-0120)     | Douglas/<br>Arapahoe | \$450,000   | 80%           | N/A                       | 60%          | RP<br>/KR |  |
| c. Parker W&S Dist - C150410D (CT2015-0110)        | Douglas/<br>Arapahoe | \$1,089,000 | 80%           | N/A                       | 60%          | RP<br>/KR |  |

Projects Under Contract :\$225,464,494

| Approved Projects - Not Under Contract |   |  |              |      |                               |     |           |   |
|--|---|--|--------------|------|-------------------------------|-----|-----------|---|
| a                                      | Taylor & Gill Ditch Company<br>>Ditch Piping<br>CT2022-XXXX CTGG1 2022-XXXX                 | Larimer  | \$125,000    | 0%   | Fall 2020<br>-<br>Spring 2021 | 0%  | CB        | This project will replace 1,000 feet of open ditch with a buried pipe. Contracting documents are dated and need redone. |
| b                                      | Southeastern Colorado Water Conservancy District<br>>Arkansas Valley Conduit<br>CT2022-XXXX | Pueblo,<br>Crowley,<br>Otero, Bent,<br>Prowers | \$90,000,000 | 0%   | Fall 2020<br>-<br>Fall 2035   | 0%  | KR        | September 2022 Feasibility Study to CWCB per SECWCD. Likely Jan2023 CWCB presentation.                                  |
| c                                      | Root and Ratliff Ditch Company<br>>Ditch Piping and Rehabilitation<br>>CT2022-XXXX          | Montezuma                                      | \$300,000    | 100% | Fall 2019<br>-<br>Fall 2022   | 90% | RP<br>/KR |   |
| d                                      | Breckenridge, Town of<br>>Goose Pasture Tarn Dam Rehabilitation<br>CT2022-XXXX              | Summit   | \$13,000,000 | 100% | Fall 2020<br>-<br>Spring 2023 | 50% | CB        | Projects Bill   |

Not Under Contract SubTotal = \$103,425,000

Grand Total = \$328,889,494

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

## LOAN REPAYMENT DELINQUENCY

Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2021 through April 2022. The effective due date of the payment is inclusive of the Board's current 60 day late policy. Hence, the date the payment was received was compared to the last day allowable prior to the payment being considered late.

Repayments due for Fiscal Year 2022 totaled 245. All borrowers' payments are current.

## LOAN FINANCIAL ACTIVITY

Loan Financial Activity relative to the Water Project Construction Loan Program for Fiscal Year 2022 is summarized as follows: Funds received relative to loans in repayment totaled \$35.8M for this year. Funds disbursed relative to new project loans totaled \$34M for this year. Net activity resulted in \$1.8M received by the CWCB Construction Fund and the Severance Tax Perpetual Base Fund (STPBF) over the total disbursed.

Further breakdown is summarized as follows: The Construction Fund portion consists of \$13.2M in receivables and \$15.8M in disbursements for a total net activity of \$2.6M disbursed over received. The STPBF consists of \$22.6M in receivables and \$18.2M in disbursements for a total net activity of \$4.4M received over disbursed.

### CONSTRUCTION FUND

| Period                | Principal           | Interest            | Total Received       | Disbursements        | Net Activity          |
|-----------------------|---------------------|---------------------|----------------------|----------------------|-----------------------|
| July 2021             | \$ 607,340          | \$ 273,708          | \$ 881,048           | \$ 572,695           | \$ 308,354            |
| August 2021           | \$ 400,916          | \$ 224,276          | \$ 625,192           | \$ 20,973            | \$ 604,219            |
| September 2021        | \$ 1,568,570        | \$ 869,305          | \$ 2,437,875         | \$ 2,513,291         | \$ (75,416)           |
| October 2021          | \$ 578,559          | \$ 188,950          | \$ 767,509           | \$ 569,027           | \$ 198,482            |
| November 2021         | \$ 600,620          | \$ 567,255          | \$ 1,167,875         | \$ 3,505,746         | \$ (2,337,871)        |
| December 2021         | \$ 353,063          | \$ 4,530            | \$ 357,593           | \$ 4,408,669         | \$ (4,051,076)        |
| January 2022          | \$ 1,085,892        | \$ 1,384,646        | \$ 2,470,538         | \$ 592,692           | \$ 1,877,846          |
| February 2022         | \$ -                | \$ 903,671          | \$ 903,671           | \$ 1,782,383         | \$ (878,713)          |
| March 2022            | \$ 2,041,297        | \$ 771,534          | \$ 2,812,831         | \$ 982,687           | \$ 1,830,144          |
| April 2022            | \$ 607,878          | \$ 188,262          | \$ 796,139           | \$ 891,888           | \$ (95,749)           |
| <b>FY 2022 Totals</b> | <b>\$ 7,844,136</b> | <b>\$ 5,376,136</b> | <b>\$ 13,220,272</b> | <b>\$ 15,840,052</b> | <b>\$ (2,619,780)</b> |

**SEVERANCE TAX TRUST FUND PERPETUAL BASE ACCOUNT**

| <b>Period</b>         | <b>Principal</b>     | <b>Interest</b>     | <b>Total Received</b> | <b>Disbursements</b> | <b>Net Activity</b> |
|-----------------------|----------------------|---------------------|-----------------------|----------------------|---------------------|
| July 2021             | \$ 757,337           | \$ 51,664           | \$ 809,000            | \$ 955,767           | \$ (146,767)        |
| August 2021           | \$ 880,919           | \$ 1,083,636        | \$ 1,964,554          | \$ 1,475,726         | \$ 488,828          |
| September 2021        | \$ 5,642,601         | \$ 1,109,255        | \$ 6,751,855          | \$ 1,250,623         | \$ 5,501,232        |
| October 2021          | \$ 7,507,196         | \$ 1,640,496        | \$ 9,147,692          | \$ 2,756,961         | \$ 6,390,731        |
| November 2021         | \$ 523,683           | \$ 228,247          | \$ 751,929            | \$ 3,358,888         | \$ (2,606,959)      |
| December 2021         | \$ 72,473            | \$ 14,358           | \$ 86,831             | \$ 5,102,326         | \$ (5,015,495)      |
| January 2022          | \$ 626,718           | \$ 489,354          | \$ 1,116,072          | \$ 680,678           | \$ 435,394          |
| February 2022         | \$ -                 | \$ 514,331          | \$ 514,331            | \$ 1,341,797         | \$ (827,466)        |
| March 2022            | \$ 886,658           | \$ 68,667           | \$ 955,326            | \$ 1,288,883         | \$ (333,557)        |
| April 2022            | \$ 341,144           | \$ 226,384          | \$ 567,529            | \$ 22,637            | \$ 544,892          |
| <b>FY 2022 Totals</b> | <b>\$ 17,238,728</b> | <b>\$ 5,426,392</b> | <b>\$ 22,665,120</b>  | <b>\$ 18,234,285</b> | <b>\$ 4,430,835</b> |

|                         |                      |                     |                      |                      |                     |
|-------------------------|----------------------|---------------------|----------------------|----------------------|---------------------|
| <b>GRAND<br/>TOTALS</b> | <b>\$ 25,082,864</b> | <b>\$10,802,528</b> | <b>\$ 35,885,392</b> | <b>\$ 34,074,337</b> | <b>\$ 1,811,055</b> |
|-------------------------|----------------------|---------------------|----------------------|----------------------|---------------------|