



COLORADO

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

DIRECTOR'S REPORT

November 2021

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



COLORADO

Colorado Water Conservation Board

Department of Natural Resources

TO: Colorado Water Conservation Board Members

FROM: Rebecca Mitchell
Viola Bralish

DATE: November 17-18, 2021

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

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~STATEWIDE~

CWCB SMALL FEASIBILITY STUDY GRANT FUND UPDATE:

New grant applications approved:

1. Town of Dove Creek - Reservoir No. 2 (\$7,500)
2. St. Vrain and Left Hand Water District - Copeland Reservoir Lining (\$50,000)

Previously approved grants in FY21/22:

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

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

~COLORADO RIVER BASIN~

COLORADO RIVER WATER USE—

2021 Colorado River Storage as of November 1, 2021			
	Elevation (feet above mean sea level)	Storage (MAF)	Percent of Capacity
Lake Mead	1,066.77	8.945	34%
Lake Powell	3,544.25	7.181	30%
Total System Active Storage		22.551	38%
2020 Total Active Storage		28,240	47%
		Flow (MAF)	Percent of Average
Forecasted Unregulated Inflow into Powell (Forecasted Water Year 2021)		3.502	32%

Forecasted CY 2021 Lower Basin Consumptive Use			
State		Use (MAF)	Total (MAF)
Arizona		2.439	
California			
California Agricultural	3.256	4.348	7.119
Metro. Water District	1.076		
Other	17		
Nevada		244	

*Note MAF = million acre-feet

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

On October 18, 2021, the U.S. Fish and Wildlife Service published a final rule to officially downlist (or reclassify) the humpback chub from an endangered to threatened status under the Endangered Species Act (final rule available via <http://www.regulations.gov>). The downlisting was based on substantial improvements in the species' overall status since its original listing as endangered in 1974. This action was based on a thorough review of the best available scientific information available, which indicates that the humpback chub no longer meets the definition of endangered species. The final rule cited the Upper Colorado recovery program's conservation and management actions in maintaining and improving resource conditions for the humpback chub over the last 15 years. The recovery programs continue to provide Endangered Species Act compliance for more than 1,500 water projects in Colorado.

Additionally, in August of 2021, partners of the Recovery Programs requested technical amendments to the Public Law ([Public Law 102-396](#)) authorizing the programs and a House bill ([H.R.5001](#)) was introduced by Representative Neguse. The House Subcommittee on Water, Oceans, and Wildlife held a hearing on November 4, 2021.

H.R.5001 proposes three technical amendments to the Upper Colorado and San Juan River Basins Recovery Act.

1. **Extend authorization of funding provided by Bureau of Reclamation:** Due to the Bureau of Reclamation's three year budgetary planning cycle, partners seek to extend authorization for the programs by one year until 2024 to allow the Bureau of Reclamation to include funding of the recovery programs for FY2024 as it prepares its 2022–2024 budget. Without the amendment, Reclamation cannot cite an authorizing bill for FY2024 in its budget. This amendment does not raise the total cost ceiling for the programs.
2. **Extend the Secretary of the Interior report deadline:** The current authorization requires that the Secretary of the Interior submit a report on the recovery programs to Congress by September 30, 2021 in consultation with the recovery programs. The report must detail, among other things, activities to be carried out after FY2023 and the cost of such activities. Due to uncertainty and delays caused by the Covid-19 pandemic, the recovery programs' partners are seeking a one-year extension of the Secretary's report deadline to allow the recovery programs time to make its recommendations for future activities and funding.
3. **Revise the termination provision:** As currently written, the recovery programs will terminate at the end of FY2023 unless cooperative agreements extending the recovery programs are signed prior to October 2022. Due to uncertainty and delays caused by the Covid-19 pandemic, the recovery programs partners seek to amend this language to allow the recovery programs' partners additional time to execute the cooperative agreements and to ensure that the cooperative agreements are consistent with the report submitted to Congress by the Secretary of the Interior.

Programs' partners are also seeking an additional amendment to the Upper Colorado and San Juan River Basins Recovery Act. We are requesting to reallocate \$5,000,000 of the capital cost ceiling from the San Juan Program to the Upper Colorado Program in order to complete construction of our currently planned capital projects. The Upper Colorado Program has shovel-ready projects that, if implemented in FY2023, would exceed its current cost ceiling, while the San Juan Program's planned expenditures are at least \$5,000,000 below its current cap. With this change, there would be no increase to the currently authorized total cost ceiling. This is not a

request for authorization of a cost increase for the recovery programs. This request is supported by all participants in both the Upper Colorado and San Juan recovery programs.

Additional information and testimony provided by Director Mitchell can be found at the following website:

https://naturalresources.house.gov/hearings/remote-wow-legislative-hearing_november-4-2021-

(Jojo La)



Upper Colorado River Wild and Scenic Stakeholder Group—

On October 21, 2021, the Upper Colorado Wild and Scenic Stakeholder Group (SG) held its quarterly meeting. The SG discussed several updates including finances and long-term funding strategies, the annual timeline and upcoming tasks, and a summary of cooperative measures. A top priority of the SG is to develop a final channel maintenance flow monitoring plan by winter of this year/early next year. The SG has made progress on developing a draft plan that was discussed at the SG meeting. Also, during this meeting, the SG approved the temperature monitoring scope of work and recreational floatboating revised charter (Jojo La).

OWCDP Director's Report Items - November 2021

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:

- **Town of Windsor - Drought Management Plan - 50 & 75% Progress Reports**

(Ben Wade)

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

DROUGHT MANAGEMENT PLANS

Approved Plans

- Town of Bayfield

Drought Management Plans in review

- City of Durango

WATER EFFICIENCY PLANS

Approved Plans

- Town of Erie

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

Conditional Approval

- City of Lamar
- Pueblo Board of Water Works
- Crested Butte South Metropolitan District

Water Efficiency Plans in review
(Kevin Reidy & Ben Wade)

GOVERNOR'S WATER AVAILABILITY TASK FORCE: The next Water Availability Task Force meeting will be held on November 4 from 9:30a-11:30a. Please check the website ([Water Availability & Flood Task Forces | DNR CWCB \(colorado.gov\)](#)) for additional information. (Ben Wade)

CO WATER LOSS INITIATIVE: Phase II of the Colorado Water Loss Initiative officially kicked off on September 1, 2021 with open registration. Kevin and the project team has reassembled the advisory group and has added the Colorado Rural Water Association as well as folks from DOLA. On October 26 and 27, we hosted the first two webinars for registered utilities, one for new learners and one for advanced learners. As of 10-27-21, we have 61 utilities registered for the program. Kevin and the advisory group will be reaching out to prospective registrants to increase registration. The good news is that almost half of the registered utilities are smaller and more rural in nature which is one of the goals of this phase. The first workshops are scheduled for the end of November-early December with subsequent workshops across the state in winter and early spring. www.coloradowaterloss.org (Kevin Reidy)

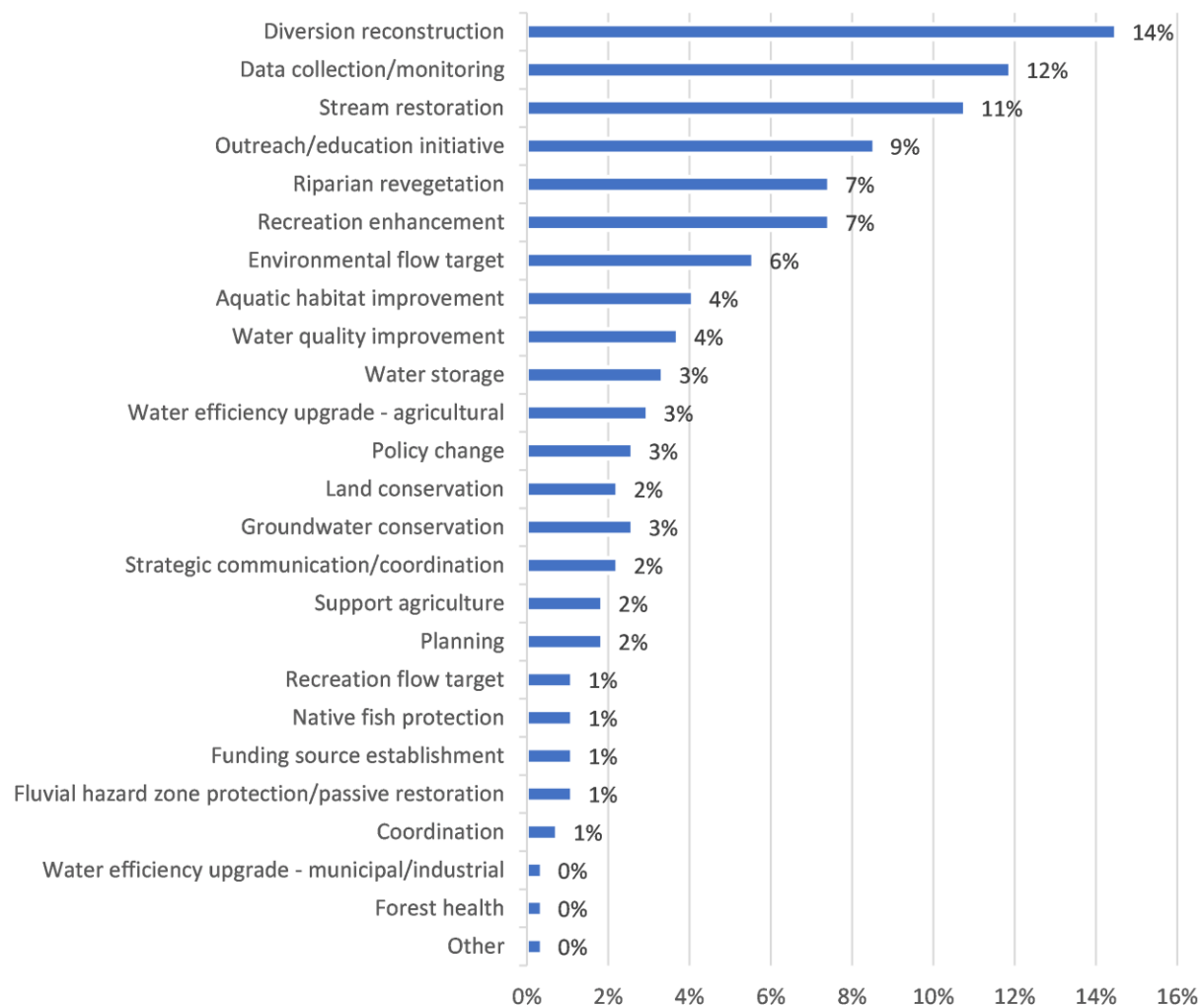
LAND/WATER PLANNING NEXUS:

- 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 mid-January, 2022 (final date TBD) and we are hoping this can be an in-person meeting.
(Kevin Reidy)

Stream Management Progress 2016-2021

In 2021, The River Network and the CWCB Staff compiled the accomplishments of the first five years of the Stream Management Plan (SMP) grant type within the Colorado Watershed Restoration Program. The River Network also developed recommendations for the future. The report, executive summary, and appendices can be found [here](#). CWCB staff also collaborated with River Network staff to develop a [video](#) for the five year update.

SMPs have netted numerous benefits for Colorado communities. Coalitions of river users and advocates are building better knowledge of their river's condition, expanding the number of people involved in decision-making, developing expertise in river science, hydrology and recreation management and implementing priorities to protect and improve rivers. Eight million dollars have been invested in SMPs in the last 5 years, with the CWCB contributing 55% of the funding. Twenty-six SMPs are in progress or have been completed, and 269 projects or strategies have emerged from the effort. A table of the project types is included below.



CWCB staff remain committed to SMP collaborators and supporters. The information from the first five years is helping staff from the CWCB and River Network develop recommendations and actions for Colorado's Water Plan update. Examples include continued support for capacity to implement new SMPs, further refinement of assessment strategies to develop river health data, and support to better define flow needs for environment and recreation while strategizing protection for existing uses.

(Chris Sturm)

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

Risk Rating 2.0

FEMA has initiated an update to the methodology, Risk Rating 2.0, used to evaluate flood risk and price National Flood Insurance Program flood insurance policies. This new methodology leverages industry best practices and current technology to accurately and clearly communicate flood risk and how it is reflected in insurance cost. Risk Rating 2.0 also endeavors to provide more information in order to make informed decisions on purchasing flood insurance and reducing flood risk. Before Risk Rating 2.0, the rating methodology had not changed since the 1970s and did not consider the flood risk to individual structures or take into account the value of the insured structure.

There are approximately 20,000 NFIP flood insurance policies in force in Colorado. FEMA projects 43% of Colorado NFIP flood insurance policies will see an immediate decrease in their premiums, 48% will see a \$0.00-10.00/month increase in their premiums, 5% will see a \$10-20/month increase, and 4% will see a premium increase of greater than \$20/month.

Phase 1 of Risk Rating 2.0 began on October 1, 2021, and subjected all new NFIP flood insurance policies to the new rating system. Additionally, existing policyholders eligible for renewal will be able to take advantage of the new rating methodology. This is beneficial to those whose premiums would be reduced. Phase 2 of the roll out will occur on April 1, 2022, when all remaining policies will be subject to the new methodology.

Over the course of the last few months, this office has participated in Risk Rating 2.0 training offered by FEMA and the Association of State Floodplain Management (ASFPM) in order to gain the knowledge and information necessary to become a resource for the floodplain administrators of individual Colorado communities and the citizens of Colorado as a whole.

(Doug Mahan)

Colorado Floodplain and Stormwater Criteria Manual

CWCB staff are working with the Steering Committee on revising the Statewide Floodplain and Stormwater Criteria Manual (Criteria Manual). Current efforts include determining the necessary, relevant content (deletions, additions, and revisions) for the revised Criteria Manual. The update is focused on creating guidance that better aligns with recent federal and industry standards and

information to help communities manage floodplain and stormwater projects (Phase 1). A subsequent update will also explore revisions to align with Colorado's watershed protection and management program updates (Phase 2). Several opportunities for engagement will be scheduled in Spring 2022, which will be posted to the CWCB website as details become available.

Floodplain Rules and Regulations Rulemaking Update

On November 18, a Rulemaking Hearing on proposed updates to CWCB's Floodplain Rules and Regulations for Regulatory Floodplains in Colorado (Rules) will take place during the Colorado Water Conservation Board Meeting. The Rulemaking Hearing is scheduled from 9:00 a.m. to 11:30 a.m. Proposed revisions include robust stakeholder input received during three public and stakeholder meetings as well as stakeholder subcommittee meetings. At the rulemaking hearing, staff will review the need for the updates and the process followed, the CWCB Board will hear testimony from parties to the rulemaking regarding the proposed Rules updates, and public comments will be provided. Following the hearing, the Board will determine whether or not to adopt the rules as proposed, or with amendments.

The Letter of Map Revision (LOMR) Review Partners Program

The CWCB LOMR Review Partners Program is continuing. Staff has been able to work with applicants, communities and the Federal Emergency Management Agency to answer questions, provide guidance, and work through complex issues for both ongoing and upcoming map revision requests. Through these cases we process revisions to Flood Insurance Rate Maps (FIRMs), and our current 15 active cases are taking place in Douglas, Jefferson, Weld, El Paso, Boulder, Larimer, and Elbert Counties.

September 2021 Risk MAP Project Updates by Major Water Basin

North Platte – No work being conducted in this area.

South Platte – Park, Gilpin, Boulder, Larimer, Weld, and Logan Counties have ongoing studies outside the Mile High Flood District (MHFD). MHFD leads and manages flood hazard delineation studies within their service area (around the Denver Metropolitan Area). Ongoing CWCB studies within the South Platte basin are as follows:

- Phillips County Phases 2-3: Hydraulics have been approved by FEMA and floodplain mapping has been submitted for review. We expect to hear back in mid-November and then we'll move forward with a Resilience meeting first, then the Preliminary Product Distribution.
- Base Level Engineering (BLE): BLE is a wide scale, automated approach to developing draft approximate (Zone A) flood risk datasets and floodplains in order to provide communities with an initial overview of the hazard at the local level, but it does not provide a regulatory product as is.

- Park County: We are preparing to hold a Discovery meeting on 11/9/2021 to present the BLE results to the communities and obtain initial feedback.
- Logan County: We reached out to FEMA Region 8 to determine whether ongoing issues that FEMA is working through with the County will impact our project. We will be following up with communities on how to best approach the next steps of our ongoing BLE study. Models are in internal QC, Discovery report has been drafted, and we are moving into mapping. Discovery meeting likely in early December.
- Morgan, Adams, and Arapahoe Counties: LiDAR won't be available until Feb 2022, so we cannot fully complete modeling until at least summer of next year. Modeling is underway for the other basins for which we do have LiDAR data, and will go to internal QC soon.
- 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 project was transferred to the FEMA Production and Technical Services (PTS) team for handling the post-preliminary processing. CWCB will continue to provide updates based on their corresponding schedule. A revised preliminary is expected to be issued likely in 2022. This will address the outcome of the Scientific Review Panel resolution of some appeals received during the second appeal period for Boulder County.
 - Gilpin County/St. Vrain study: The Letter of Final Determination (LFD) was issued on 10/6/2021 as scheduled. New flood hazard maps will go effective in April 2022. This project was transferred to the FEMA (PTS) team for handling at the post-preliminary processing. CWCB will continue to provide updates based on their corresponding schedule.
 - Weld County: This project was transferred to the FEMA PTS team for handling at the post-preliminary processing. CWCB will continue to provide updates based on their corresponding schedule. The revised preliminary distribution was scheduled to occur on 10/26/2021.
 - Larimer County, Saint Vrain, Cache la Poudre additional studies, and Big Thompson River study: This Larimer study is being submitted for QR3 review by FEMA. Still shooting for 11/19/2021 for releasing the revised preliminary map panels.

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

- Flood Risk Information System (Mesa County): We are expecting to review and provide feedback on the draft website for this pilot project by the end of the end of November. Then,

we'll 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): Levee assessment reporting completed and we met with the City on the preliminary assessment results to coordinate on next steps. The City will have 30 days to review and comment on the reporting and documents generated, then we will likely meet with them again to touch base in early 2022.
- Eagle County Physical Map Revision Phases 2-3: The 30-day review/comment period after the preliminary distribution ended on 10/24/2021. Our team will address the quality comments and input from Eagle County. The Consultation Coordination Officer (CCO) meeting to follow shortly afterwards (likely in late 2021).
- Garfield County Phase 2-3: We are working through amending this project with an extended scope of work (based on requests from communities) and timelines, and are in coordination with FEMA and our contractors. We expect the additional work to get started in late 2021, now that our Fiscal Year 2021 FEMA grant funding has been approved.

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

- Delta County Phase 2-3. Hydraulic modeling was approved and the floodplain mapping task is ongoing.
- Ouray County: We expect to have the preliminary product distribution in early 2022. The Resilience meeting was held in October and we will follow up with communities in a few days to give them the draft datasets, meeting materials, and SID 621 letter.
- Hinsdale and Gunnison Countywide BLE: While an ongoing study is updating flood risk information and floodplain mapping for portions of the counties (described under the Upper Gunnison Watershed project below), a countywide BLE effort is taking place for both Hinsdale and Gunnison Counties. We are still producing hydraulic modeling and expect to have everything ready for a Discovery meeting in late 2021.
- Upper Gunnison Watershed Phases 2-3: This project is being continued under new grants (since the original FY15 grant), part of which are covered by state funds such as the Hinsdale County Partial Countywide Revision.
 - o Hinsdale County: Floodplain mapping approved, Resilience meeting held, and preliminary distribution being planned for late 2021.
 - o Gunnison County: Gunnison River model completed but floodway determinations still underway. Coal Creek model (in Crested Butte) hydrology being reviewed and may be revised based on additional resources.

Rio Grande – Costilla and Mineral Counties have ongoing studies:

- Costilla County: We received the go-ahead from FEMA to move forward after the preliminary distribution as previously expected, but the few effective reaches that did not

get re-studied and have no LiDAR (but are still on paper maps) will be updated with a LOMR once LiDAR becomes available in early 2022.

- Mineral County: a LOMR was submitted to FEMA and is in review for Willow Creek. Physical Map Revision hydraulics were approved and the project is currently in Floodplain Mapping.

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

- Lake and Chaffee BLE: Lake's BLE submittal has been approved by FEMA, and Chaffee's BLE data was submitted for review in late October. Lake will be moving forward with our FY21 FEMA funding to complete additional hydraulic modeling and floodplain mapping work for an additional flooding source requested by Leadville.
- Custer and Fremont BLE: Custer's BLE analysis is still underway. Fremont will have a combined BLE review and Phase 2 kickoff meeting in late November.
- Pueblo County BLE: Working on modeling continues. We expect to have the Discovery meeting to take place in early 2022.
- Huerfano BLE: The Discovery package and BLE submittal is being reviewed by FEMA. The Phase 2 (data development) Task Order is currently being processed by our accounting team.
- Bent and Otero BLE (including the CHAMP 3 Phase 2 scope of work): The hydraulics submittal is currently under review, and when that is approved, we'll proceed with floodplain mapping.
- City of Las Animas (Bent County) Pre-Levee: Held a preliminary levee assessment results meeting at the City and had good turnout. Community will have a 30-day review/comment period for the levee report. Then we'll reconvene in early 2022 to address next steps.
- El Paso BLE/Phase 2 and Templeton Gap (T-Gap) pre-levee work: Hydrology is wrapping up. Ongoing efforts to finalize Phase 2 scope are wrapping up. All other communities have agreed on a Phase 2 scope. County scope may require sending surveyors out for additional information. BLE comments received from the FEMA reviewers are being addressed.
- Teller County BLE/Phase 2: Still working on hydraulics. We will hold the Flood Risk Review meeting likely in late 2021 timeframe, and the formal floodplain mapping task will be submitted to FEMA for review shortly afterwards.
- Las Animas County BLE: A Phase 2 (data development) kickoff meeting was held on 11/4/2021. Based on the outcome, we will finalize the scope of work, streams to be studied in detail, and seek to obtain Memorandums of Agreement (MOAs). This task is almost complete and will be removed for next the board meeting update.

- Prowers County BLE: This phase of the larger Prowers County Risk MAP study is complete and we are moving forward with the Phase 2 (data development) process now. This will be removed from the next board meeting update.
- Towns of Granada/Holly/Lamar (Prowers County) Pre-Levee assessments: Follow up meetings with the communities took place about how to move forward with various levee options for integration into the floodplain mapping work. We are working to get official word from the communities on their preferred paths forward..
- Arkansas River hydrology: FEMA approval for the submitted hydrology Conditional Letter of Map Revision (CLOMR) is expected in the near future.
- **Yampa/White** – Rio Blanco and Moffat Counties have ongoing studies:
- Upper Yampa River hydrology: The CLOMR was finally approved and this project is complete. It will be removed for the next board meeting update.
- Upper White Watershed/Rio Blanco County: The Letter of Final Determination was issued in June. The effective date for mapping should be December 2, 2021.
- Moffat County: We received the FEMA R8 go-ahead to move forward with a separate LOMR for the few effective stream reaches that still need to be restudied and have no LiDAR (but are still on paper maps). For Fortification Creek, FEMA is reviewing a hydrology amendment that adjusted the flows expected for the reach, based on historical evidence and paleo studies.

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

- Animas Watershed Phases 3-4: We had the revised preliminary distribution for La Plata County on 10/29/2021, including parts of the Southern Ute Indian Tribe (SUIT). Archuleta and San Juan received approved exceptions for formal revised preliminary map panels. They received updated preliminary products that were communicated to the affected communities in late October. FEMA Region 8 is currently addressing official communications with the SUIT. They are also providing information to the SUIT on what the expectations and/or options would be for a community not participating in the NFIP.
- Southwest Colorado (Montezuma, Dolores, San Juan, La Plata, Archuleta, Hinsdale, and Mineral Counties) BLE: BLE data development almost complete. Targeting the Discovery meeting for late 2021.

Multi-Watershed Risk Map Projects:

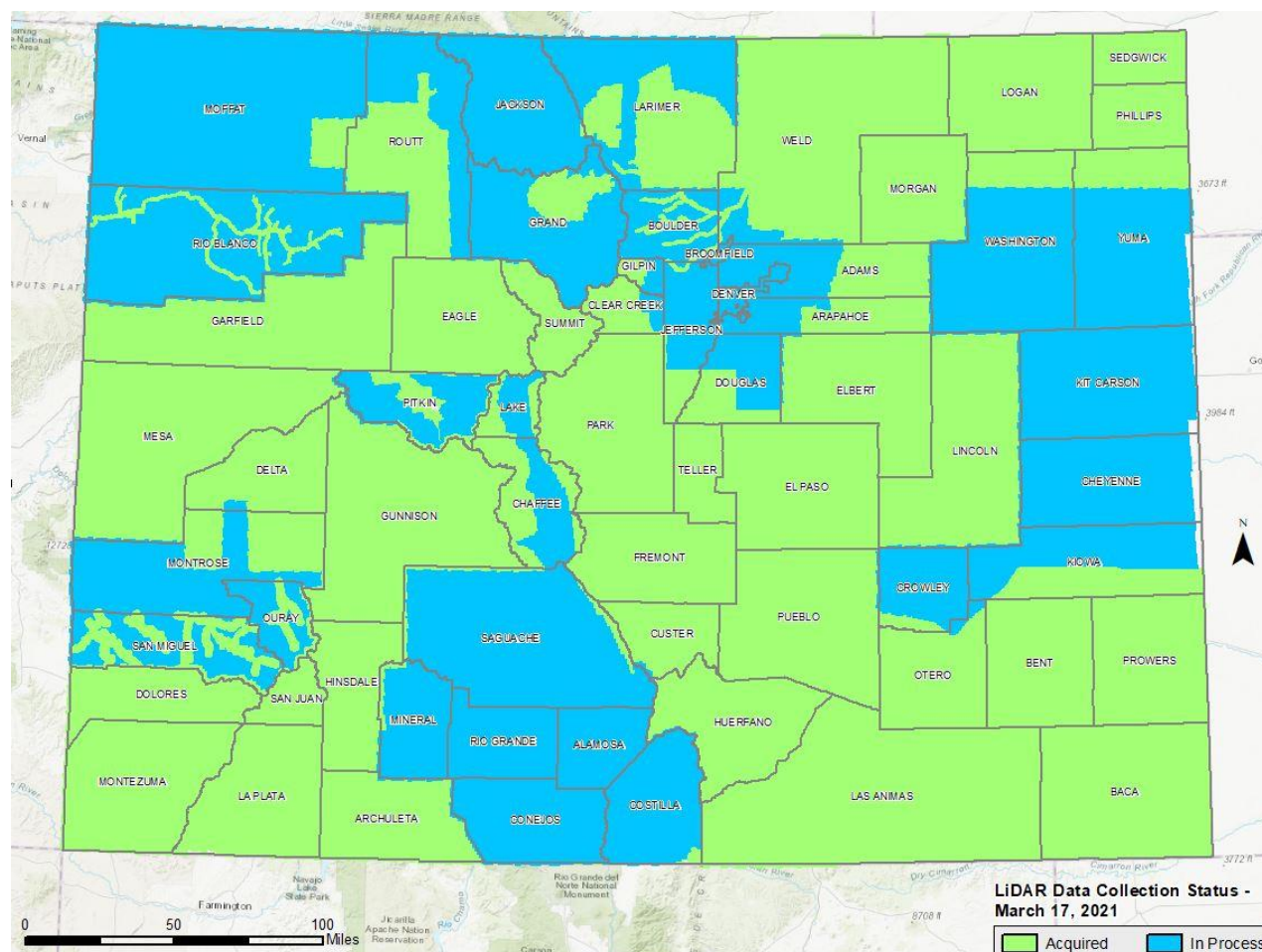
- Elbert County BLE: We are planning to hold the Discovery meeting in late November.

- Mesa County Phase 2: Hydrology analyses are almost complete for the countywide effort. Then we will move forward with hydraulic modeling.
- 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: project still on hold while we coordinate with the Town of Telluride on obtaining its Valley Floor Restoration Project as-built data. We expect to have some potential as-builts in November.
 - o Lincoln County Phases 2-3: Hydraulics and floodplain mapping have been approved by FEMA, so we are expecting to move forward with a Resilience meeting first, then the Preliminary Product Distribution over the next few months.
 - o Saguache County: This project will require developing alluvial fan modeling for the Town of Crestone area due to the complicated terrain and flooding patterns. Once this analysis is completed, the project can continue moving forward with the preliminary product development and distribution. FEMA FY21 grant funding is supporting this project.

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.

- LiDAR collection tasks that were recently completed included the Southwest CO data collection, led by the USGS. The rest of the state LiDAR is currently being acquired and going through final USGS QA-QC through 2022. This will also include the DRCOG LiDAR project (for the Denver Metro Area data collection).
 - DRCOG area LiDAR has been delayed on the USGS review side. Based on the most recent conversations, we expect to have finalized data products by early 2022 (February/March).
 - San Luis Valley/San Miguel/Pitkin County area LiDAR - Final deliverables expected by spring of 2022.
 - Eastern CO Plains: Some preliminary LAS data available via USGS' FTP site. Final deliverables likely to be posted on The National Map by late 2021.
 - Northwest CO Project: USGS likely won't have the final deliverables for this project area until summer of 2022.

Below is the most recent status map for LiDAR data acquired in Colorado (no change since the March 2021 map update):



(Terri Fead and Marta Blanco Castano)

Wildfire Ready Watersheds (SB21-240) – Data Collection Update

In order to conduct a “statewide watershed analysis to investigate the susceptibility of life, safety, infrastructure, and water supplies to wildfire impacts”, the CWCB has started to collect data sets. Partnering with other State agencies and local organizations has provided crucial data sets or “layers” that have shed light on what data is available and what data gaps may exist for this effort. Agencies and organizations that have shared data have included the Division of Water Resources (DWR), the Colorado Department of Public Health and Environment (CDPHE), the Colorado State Forest Service (CSFS), the Colorado Department of Transportation (CDOT), the Colorado Geologic Survey (CGS) and the Colorado Natural Heritage Program (CNHP). Some data sets are publicly available, while others require contracts and protection stipulations for security reasons.

Although we now have access to a wealth of data, we must analyze each data set for its ability to assist the CWCB in the statewide susceptibility study. Certain data sets would be of great benefit to the study, but are not available at a statewide scale. Other data sets are coming to us with multiple analyses already built in to individual layers. This is why CWCB is also doing a parallel gap analysis to further inform our decisions. Working with our Technical Assistance team, CWCB is making sizeable progress, to keep this effort on track for a December 2022 delivery date. (Steve Reeves)

Glenwood Canyon Colorado River Debris Update

During a series of storms in late July, a large volume of debris originating from the Grizzly Creek Burn Scar was deposited onto Interstate 70, the Union Pacific Railroad Track, and ultimately into the Colorado River. In addition to the impacts to Interstate 70 (which was heavily damaged and has still not been fully repaired) and the railroad, six major new debris fans were deposited into the Colorado River, along with other minor debris.

Concern was quickly expressed by numerous federal, state, and local organizations in regards to river functions, public safety, and impacts to infrastructure. CWCB staff supported the Division of Homeland Security and Emergency Management's (DHSEM) investigation into the various paths to pursue federal recovery funding. CWCB participated in the initial river damage assessment and was the primary author of the cost estimate for debris removal. A formal Preliminary Damage Assessment was performed with FEMA in early September indicating the likelihood of eligibility for FEMA recovery funds with several conditions. In addition, coordination with the Federal Highway Authority (FHWA) was made to determine if funding could come from that organization as well.

On October 1st, DHSEM reported to state partners that it recommended the state continue with the support of FHWA for both the road repairs and the debris removal. Colorado anticipates receiving more than \$7.5M in federal assistance for debris removal through FHWA. It is in the best interest of the state not to pursue a Stafford Act declaration through FEMA for the following reasons:

- Because of the current FHWA funding in Glenwood Canyon, FEMA disqualified most (if not all) of the work on the Glenwood Canyon recovery for road repairs. FHWA is providing 90-100% funding for debris removal from the roadway compared to FEMA's 75%.
- After working closely with CDOT and FHWA, both demonstrated that the current FHWA strategy will adequately provide the necessary funding and will resolve the situation in the most expedient manner. A Stafford Act declaration would require FEMA to activate FEMA teams already engaged in disasters in other parts of the country before some work can commence. This will further delay the immediate action needed for the Colorado River and extend a full opening I-70 because debris removal requires periodic lane closures.
- A Stafford Act Major Disaster declaration would require the State to return FHWA funding for debris removal on the roadway and forgo future FHWA assistance for debris removal in the river. Once a Stafford Act Major Disaster declaration is awarded, the state cannot go back to the FHWA, because it would then be considered a duplication of benefits. Again, FHWA provides 90-100% federal funding compared to FEMA's 75% federal funding for the same work.

- In addition, FEMA removes less debris than FHWA as FEMA limits debris removal to that which poses an immediate and imminent threat to public safety.
- As for Larimer County, the State has worked closely with Larimer County to successfully obtain federal funding from the Natural Resources Conservation Service's Emergency Watershed Protection program. In addition, DNR provided direct support to the County and additional funding through SB240.
- The U.S. Small Business Administration is supporting the community with disaster funding through their Economic Injury Disaster Loan program.

CWCB staff remains committed to supporting the recovery effort of the Colorado River associated with the Grizzly Creek debris flows.

(Kevin Houck)

Chatfield Downstream Improvement Project Easement Inventory

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

The CWCB receives and acts on requests for easements on land owned by the CWCB as part of the Chatfield Downstream Improvement Project. In order to properly do this, it is necessary to know where easements currently exist and when they expire. Only three easements are on record with Arapahoe County, but hard-copy files exist showing that there are many more than that. Staff has begun an effort to go through the existing hard-copy files and create a shapefile of all of the existing easements within the Chatfield Downstream Improvement Project, as well as digitize pertinent documents that don't currently exist in electronic version. This will allow for easier communication with the Attorney General's office when inquiries or legal questions need review, and it will allow staff to better manage the South Platte program and monitor existing easements for compliance.

(Andrea Harbin Monahan)



COLORADO

Colorado Water Conservation Board

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

Memorandum

To: Rebecca Mitchell, CWCB Director

From: Ben Wade, Water Supply Planning Section

Date: October 22, 2021

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

STAFF RECOMMENDATION:

Staff recommends approval of the WSRF proposals listed below

Basin	Applicant/ Grantee	Name of Water Activity	Basin(s) Account Request	Staff Recommendation
Metro	Boulder Watershed Collective	James Peak Wilderness Water Quality Monitoring	\$20,771	Staff recommends approval

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

Water Activity Summary Sheets have been attached for your review.





COLORADO

**Colorado Water
Conservation Board**

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

October 29, 2021

Re: Water Supply Reserve Fund Grant Approval

Dear Ben Wade:

I am pleased to inform you that I have approved staff recommendation for the grants listed in the memo: "WSRF Grant Recommendation for Director Level Approvals - October 2021", dated October 29, 2021.

Sincerely,

Rebecca Mitchell, Director
Colorado Water Conservation Board

Attachment: WSRF Grant Recommendation for Director Level Approvals - October 2021



HB1260 FUNDING = Water Supply Reserve Fund - Applications Received on the August 1 Deadline														
Agenda Item	Basin	Applicant/Grantee	Name of Water Activity	Basin(s) Account Request	Statewide Account Requests	Total Request	Match % Basin vs Statewide Request (min. 10%)	Non-WSRF Cash Match	Non-WSRF In-Kind Match	Non-WSRF Total Match	Total Project Costs	Basin Only Request Match % (min 25%)	Staff Recommendations	PM
Director Report	Metro	Boulder Watershed Collective	James Peak Wilderness Water Quality Monitoring	\$20,664	\$0	\$20,664	N/A	\$2,000	\$6,500	\$8,500	\$29,271	29.04%	Staff recommends approval of \$20,664 from the Metro Basin Account	
Consent Item 2a	Rio Grande	CHANGE OF GRANTEE Colorado Rio Grande Restoration Foundation	Rio Grande Basin Roundtable Community Education Initiative 2021-2025										Staff recommends approval of change of grantee from the Rio Grande Watershed Initiative for the project: Rio Grande Basin RT Community Ed Initiative 2025	
				\$20,664	\$0	\$20,664								

Basin	Basin Account Requests	Statewide Account Requests	Total Requests	HB21-1260 Stimulus Funds Current Basin Account Balances	Remaining HB21-1260 Stimulus Basin Account Balances (if all requests approved)	Current HB21-1260 Stimulus Statewide Account Balance	Remaining HB21-1260 Stimulus Statewide Account Balance (if all requests approved)
Arkansas Basin	\$0	\$0	\$0	\$167,500	\$167,500	\$2,834,375.00	\$2,834,375.00
Colorado Basin	\$0	\$0	\$0	\$180,200	\$180,200		
Gunnsion Basin	\$0	\$0	\$0	\$130,500	\$130,500		
Metro	\$20,664	\$0	\$20,664	\$162,500	\$141,836		
North Platte	\$0	\$0	\$0	\$0	\$0		
Rio Grande	\$0	\$0	\$0	\$200,000	\$200,000		
Southwest	\$0	\$0	\$0	\$191,400	\$191,400		
South Platte	\$0	\$0	\$0	\$149,250	\$149,250		
Yampa/White/Green	\$0	\$0	\$0	\$27,250	\$27,250		
Water Supply Reserve Fund Total Requests	\$20,664	\$0	\$20,664	\$1,208,600	\$1,187,936		

NOVEMBER 2021 - H2B/H2O Water Supply Reserve Fund - Balance Summary

Basin	Basin Account	Statewide	Total Requests	Current Basin	Remaining Basin	Current	Remaining
Arkansas Basin	\$0	\$0	\$0	\$427,246	\$427,246	\$5,553,762.00	\$5,553,762.00
Colorado Basin	\$0	\$0	\$0	\$290,866	\$290,866		
Gunnison Basin	\$0.00	\$0	\$0.00	\$362,438	\$362,438		
Metro	\$0	\$0	\$0	\$672,094	\$672,094		
North Platte	\$0.00	\$0	\$0.00	\$568,628	\$568,628		
Rio Grande	\$0	\$0	\$0	\$251,347	\$251,347		
Southwest	\$0.00	\$0	\$0.00	\$412,503	\$412,503		
South Platte	\$0	\$0	\$0	\$505,865	\$505,865		
YWG	\$0.00	\$0	\$0.00	\$693,490	\$693,490		
Water Supply	\$0	\$0	\$0	\$4,184,477	\$4,184,477		

COLORADO WATER CONSERVATION BOARD
STIMULUS FUND (HB1260) - Balance Summary Water Supply Reserve Fund
NOVEMBER 2021

Updated 11/5/21

Fund Appropriation and Receipts				
Fiscal Year	Legislative Appropriation	Funds Received	Statewide Account	Basin Account
FY2021-2022	\$5,000,000	\$5,000,000	\$3,200,000	\$1,800,000
TOTAL	\$5,000,000	\$5,000,000	\$3,200,000	\$1,800,000

Fund Distribution					
Basin	Approved Basin Grants	Total Basin Funds	Basin Account Balance	Approved State Grants	Statewide Account Balance
Arkansas	\$32,500	\$200,000	\$167,500	\$43,000	
Colorado	\$19,800	\$200,000	\$180,200	\$40,000	
Southwest	\$8,600	\$200,000	\$191,400	\$0	
Gunnison	\$69,500	\$200,000	\$130,500	\$49,833	
Metro	\$37,500	\$200,000	\$162,500	\$91,500	
North Platte	\$200,000	\$200,000	\$0	\$4,833	
Rio Grande	\$0	\$200,000	\$200,000	\$0	
South Platte	\$50,750	\$200,000	\$149,250	\$70,458	
Yampa/White	\$172,750	\$200,000	\$27,250	\$66,000	
TOTAL	\$591,400	\$1,800,000	\$1,208,600	\$365,624	\$2,834,376
TOTAL APPROVED GRANTS					\$957,024

Note: Only includes grants approved by CWCB

COLORADO WATER CONSERVATION BOARD
H2B/H2O Water Supply Reserve Fund - Balance Summary
NOVEMBER 2021

Updated 11/5/21

Fund Appropriation and Receipts				
Fiscal Year	Legislative Appropriation	Funds Received	Statewide Account	Basin Account
2006/2007	\$10,000,000	\$10,000,000	\$5,500,000	\$4,500,000
2007/2008	\$6,000,000	\$6,000,000	\$4,200,000	\$1,800,000
2008/2009	\$10,000,000	\$7,000,000	\$4,300,000	\$2,700,000
2009/2010	\$5,775,000	\$5,775,000	\$4,215,750	\$1,559,250
2010/2011	\$6,000,000	\$6,000,000	\$4,380,000	\$1,620,000
2011/2012	\$7,000,000	\$7,000,000	\$4,732,000	\$2,268,000
2012/2013	\$10,000,000	\$7,157,724	\$4,580,943	\$2,576,781
2013/2014	\$10,000,000	\$10,091,639	\$6,458,649	\$3,632,990
2014/2015	\$10,000,000	\$10,000,000	\$6,400,000	\$3,600,000
2015/2016	\$10,000,000	\$9,103,590	\$5,826,298	\$3,277,292
2016/2017 (FY2017)	\$0	\$0	\$0	\$0
2017/2018 (FY2018)	\$10,000,000	\$1,455,776	\$931,697	\$524,079
2017/2018 CF (FY2018)	\$0	\$7,000,000	\$4,480,000	\$2,520,000
2018/2019 CF (FY2019)	\$0	\$3,544,884	\$2,268,726	\$1,276,158
2019/2020 (FY2020)	\$10,000,000	\$10,000,000	\$6,400,000	\$3,600,000
2020/2021 (FY2021)	\$2,500,000	\$2,500,000	\$1,600,000	\$900,000
Interest	N/A	\$2,857,935	\$3,541,544	
<small>(Prior Years Interest Adjustment 2007-2014 and FY2015, FY2016, FY2017)</small>				
FY 2018 Interest	N/A	\$ 376,467	\$376,467	\$0
FY 2019 Interest	N/A	\$ 431,589	\$431,589	\$0
FY 2020 Interest	N/A	\$ 558,732	\$558,732	\$0
FY 2021 Interest	N/A	\$ 329,821	\$329,821	\$0
TOTAL	\$107,275,000	\$107,183,157	\$71,512,216	\$36,354,551

Note: The WSRF is a Severance Tax "Tier II" program & CF Funding with 40% of funds distributed on July 1, 30% on January 1, and the final 30% on April 1.

In FY 2008/2009 the final 30% installment of \$3,000,000 was not received due to the State's budgetary shortfall.

In January 2012 interest for the program from its inception to date was credited directly to the Statewide Account.

Interest from January 2012 on is regularly calculated by the Treasury and credited to the Statewide Account.

Fund Distribution					
Basin	Approved Basin Grants	Total Basin Funds	Basin Account Balance	Approved State Grants	Statewide Account Balance
Arkansas	\$3,612,149	\$4,039,395	\$427,246	\$ 12,737,703	
Colorado*	\$3,748,529	\$4,039,395	\$290,866	\$ 6,611,075	
Southwest *	\$3,626,892	\$4,039,395	\$412,503	\$ 8,929,463	
Gunnison *	\$3,676,957	\$4,039,395	\$362,438	\$ 6,870,607	
Metro *	\$3,367,301	\$4,039,395	\$672,094	\$ 7,723,032	
North Platte	\$3,470,767	\$4,039,395	\$568,627	\$ 842,844	
Rio Grande*	\$3,788,048	\$4,039,395	\$251,347	\$ 13,104,635	
South Platte *	\$3,533,530	\$4,039,395	\$505,865	\$ 8,075,127	
Yampa/White	\$3,345,904	\$4,039,395	\$693,490	\$ 1,063,969	
TOTAL	\$32,170,078	\$36,354,551	\$4,184,477	\$65,958,454	\$5,553,762
TOTAL APPROVED GRANTS					\$98,128,531

Note: Only includes grants approved by CWCB

* Comments reflect adjustments to balances

Water Supply Reserve Fund Grants Director's Report - November 2021

WATER SUPPLY RESERVE FUND GRANTS:

The following table summarizes the Water Supply Reserve Fund Grants \$50,000 and under that were sent to the CWCB Director, Rebecca Mitchell, for approval on October 29, 2021.

Basin	Applicant	Name of Water Activity	Basin(s) Account Request	Staff Recommendation
Metro	Boulder Watershed Collective	James Peak Wilderness Water Quality Monitoring	\$20,664	Staff recommends approval

RECENTLY DECREED ISF WATER RIGHTS: On September 22, 2021, the Division 2 Water Court decreed instream flow (ISF) water rights to the CWCB on a reach of Iowa Gulch in Case No. 20CW3063 for 1.7 cfs (05/01-09/15), and 1.0 cfs (09/16-04/30), with an appropriation date of January 27, 2020. Terms and conditions were included in this decree for the Parkville Water District and the Resurrection Mining Company. The upstream terminus is Iowa Gulch's headwaters, and the lower terminus is a point on the upstream side of the Iowa Gulch Intake impoundment. This reach is approximately 3.34 miles long and flows in a southwesterly direction through parts of Lake County.

**Director's Report Attachment - November 17-18, 2021 CWCB Meeting
Stream and Lake Protection Section De Minimis Cases**

The following table summarizes applications that have the potential to injure the Board's instream flow water rights, but the impact is considered de minimis. In these cases, the cumulative impact to the Board's right is less than 1%. Pursuant to ISF Rule 8(e) (the de minimis rule), staff has not filed a Statement of Opposition in these cases and has provided the required notification to the Division Engineers and applicants.

Applicant Case No.	Water Div.	Applicant	Stream Name/ CWCB Case No.	ISF Amount (CFS)	Individual Injury (%)	Cumulative Injury (%)	Count
21CW3114	1	Nicholas and Letitia Riggio, Mountain Mutual Reservoir Company, and North Fork Associates, LLC	Bear Creek 94CW0260	14.9 (4/1 - 10/15) 7 (10/16 - 3/31)	0.00070 0.00140	0.31348 0.52711	51
21CW3153	1	Crockett, Matthew et al	Cub Creek 94CW0251	2 (4/15 - 6/30) 0.75 (7/1 - 4/14)	0.00260 0.00680	0.61346 1.08279	10
21CW3153	1	Crockett, Matthew et al	Bear Creek 94CW0259	5 (10/16 - 4/14) 9.9 (4/15 - 10/15)	0.00050 0.00100	0.37543 0.57403	33
21CW3153	1	Crockett, Matthew et al	Bear Creek 94CW0260	14.9 (4/1 - 10/15) 7 (10/16 - 3/31)	0.00030 0.00070	0.31348 0.52711	51

**November 17-18, 2021 Board Meeting
Instream Flow and Natural Lake Level Program
Summary of Resolved Legal Protection Cases**

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

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

Staff has resolved issues of potential injury in the following water court cases, using two different mechanisms. Staff: (A) stipulated in three cases in which CWCB had filed a Statement of Opposition; and (B) obtained an agreement via a letter-in-lieu of filing a Statement of Opposition in one case.

A. STATEMENTS OF OPPOSITION

(1) Case No. 18CW3048 (Water Division 2) - Application of Young Life and the Upper Arkansas Water Conservancy District

The Board ratified this Statement of Opposition at its November 2018 meeting. Applicant filed a corrected application for change of water rights and appropriative rights of exchange. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured. The Court entered a decree on September 16, 2021 in this case.

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

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
79CW0115	Cottonwood Creek	confl M&S Cottonwood Creeks	confl Arkansas River	20 (1/1 - 12/31)	03/14/1979
W-4667(1977)	Middle Cottonwood Creek	confl NF M Cottonwood Creek	confl S Cottonwood Creek	10 (1/1 - 12/31)	11/15/1977
W-4663(1977)	North Cottonwood Creek	headwaters in vicinity	Forest Service boundary	7 (1/1 - 12/31)	11/15/1977
W-4665(1977)	South Cottonwood Creek	confl Mineral Creek	confl M Cottonwood Creek	10 (1/1 - 12/31)	11/15/1977

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

- “The historical return flow obligation will be accounted for on a daily basis. All historical return flow obligations must be met by the Applicants before the Changed Rights can be used for the Changed Uses described in paragraph 7(B) or as a source of substitute supply in the UAWCD SCR Exchange. In addition to the augmentation station and Recharge Pit deliveries of the Changed Rights as described above, the Applicants’ return flow obligations associated with the operation of the Changed Rights may be satisfied by using any source of fully consumable “augmentation water” available to UAWCD for the “Cottonwood Area,” other than “Project Water,” as those terms are used and defined in paragraph 12 of the 06CW32 Decree, provided that: (1) such water is made available to the stream above the Controlling Water Right; (2) an appropriate transit loss (if any) is assessed against delivery of such water at a rate determined by the Division Engineer’s Office; (3) notice of such operation is given to the Division Engineer’s Office and the CWCB via the Division Engineer’s online exchange request method as part of the Arkansas River Decision Support System (“ARKDSS”), or other alternative notice mutually acceptable to UAWCD and opposers, and approval of the Division Engineer’s Office is received. Providing replacement sources below the historical location of return flows (i.e., the confluence of North Cottonwood Creek and Cottonwood Creek) depletes the reach of stream between the location of where the downstream replacement source is delivered to the stream and the historical location of return flows. Applicants may not use replacement sources downstream of the historical location of return flows whenever there is Controlling Water Right within that depleted reach.”
- “The CWCB owns instream flow water rights on stream reaches located below a number of the storage structures listed in paragraph 7.H and the Upper Termini listed in paragraph 8.A.iv(b), above. All deliveries of the Changed Rights to upstream locations undertaken by UAWCD pursuant to the UAWCD SCR Exchange, any other decreed or administrative exchange, reservoir trade, or substitution is subject to approval by the Division Engineer’s office regardless of the mechanism or the terminology used to describe it (e.g. decreed, administrative, contract, reservoir trade, substitution, etc.). UAWCD will provide notice of such exchanges, trades, or substitutions to opposers via the Division Engineer’s online exchange request method as part of the Arkansas River Decision Support System (“ARKDSS”) as long as such method has the capabilities to provide the opposers with direct advance notice of any proposed exchange operations by the applicants, or other alternative notice mutually acceptable to UAWCD and opposers which alternative notice method will provide advance notice of the applicants’ proposed exchange operations directly to the opposer. UAWCD will not exchange, pursuant to decreed or administrative exchange, the Changed Rights to an upstream location within or upstream of an instream flow reach if the following conditions are met: (1) The instream flow water right is remaining in effect; (2) the instream flow water right is not fully satisfied and is placing a valid call; (3) operation of the exchange would result in a reduction in stream flows below the decreed instream flow amount; and (4) the storage or use accomplished by the exchange is not a pre-existing use under C.R.S. § 37-92-102(3)(b) recognized by the CWCB or confirmed by water court decree or State Engineer, or is not authorized pursuant to an agreement with the CWCB that has been approved by the Water Court such as an agreement under Rule 8i.(3) of the Rules Concerning the Colorado Instream Flow and Natural Lake Level Program, 2 CCR 408-2.”

(2) Case No. 19CW3061 (Water Division 2) - Application of Thomas H. Smith

The Board ratified this Statement of Opposition at its January 2020 meeting. Applicant requested a change of water right. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured.

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

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
W-4659(1977)	North Fork South Arkansas River	confl McCoy Creek	hdgt North Fork Ditch	10 (1/1 - 12/31)	11/15/1977

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

- The amount diverted by Applicant's changed water rights shall be limited as provided in the decree, including:
 - "When in any month or year, the accumulated water deliveries into the Smith Upper Pond equal the corresponding monthly or annual volumetric limitation, the Water Commissioner shall reduce the diversions or Applicant shall cause the diversions to be reduced by direction from the Division Engineer or Water Commissioner into the Hoosier Ditch at the river headgate by Applicant's changed pro-rata portion of the Hoosier Ditch. The rate of the reduced diversions shall be 3.33 percent of the total water that would otherwise be available in priority for diversion into the Hoosier Ditch. 3.33 percent of the total water available in priority to the Hoosier Ditch equals Applicant's changed pro-rata portion of the Hoosier Ditch, calculated at 4.17 percent of the total water, minus 20 percent ditch loss."

(3) Case No. 14CW3013 (Water Division 7) - Application of Edgemont Ranch Metropolitan District

The Board ratified this Statement of Opposition at its September 2014 meeting. The Applicant sought to change its irrigation and agricultural water rights to municipal uses within the ERMD, and move its point of diversion. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured.

The CWCB holds instream flow water rights, including the following, in Water Division 7 in the Animas River watershed that could be injured by this application:

Case Number	Stream	Upper Terminus	Lower Terminus	CFS Rate (Dates)	Approp. Date
W-1763(1977)	Florida River	outlet Lemon Res	confl Salt Creek	14 (10/15 - 6/30) 7 (7/1 - 10/14)	01/19/1977
W-1764(1977)	Florida River	confl Salt Creek	confl Animas River	20 (10/15 - 6/30) 12 (7/1 - 10/14)	01/19/1977

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

- “At times when the Florida River flows, as measured at the closest Florida River gauge below ERMD’s diversion point described in paragraph 6.b, above, are less than the level of CWCB’s instream flow rights decreed in Case No. W-1763-77, ERMD shall limit its diversion amount under the ACD water rights changed herein to the historical consumptive use amount shown in paragraph 7.d, above. This provision is designed to protect the one-mile reach of the Florida River between Applicant’s point of diversion and the point of return flows from indoor use. In the event Applicant in the future returns its return flows from indoor use to the Florida River at or above its point of diversion, this provision shall not apply.”
- “ERMD, FWCD, and CWCB agree (a), that there were historically some delayed irrigation return flows from the decreed use of the ACD water rights that returned to the stream at a location below the ACD headgate and upstream of the location where lagged lawn return flows resulting from outdoor irrigation using the changed ACD water return to the stream; and (b) historically there has been no call within this reach. However, said parties disagreed as to the timing and amount of said historical irrigation return flows, and whether there is any obligation to provide replacement upstream of the lawn return flows under the circumstances. This issue was resolved by compromise in separate stipulations among the aforementioned parties that were approved by this Court.”

B. LETTER-IN-LIEU

The following case was resolved by Staff through a negotiated letter in lieu of filing a water court Statement of Opposition. This method of settlement is preferred when facts and time allow such negotiation before the Statement of Opposition period ends. For this case, CWCB staff will continue to monitor the proposed rulings and decrees. The following case was negotiated to resolution:

(1) Case No. 21CW3025 (Water Division 4) - Application of Eldred Colorado Family, LP

During the June 2021 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB’s instream flow water right decreed in Case No. 05CW0215 on Horsefly Creek. This case was resolved with CWCB by a letter agreement, dated September 20, 2021, by which CWCB agreed not to file a Statement of Opposition, provided Applicant incorporates the following terms and conditions into any draft and final decrees and Applicant agrees to not oppose a Motion to Intervene by CWCB if such terms and conditions are not

included. The Court entered a decree on October 22, 2021 in this case.

“Applicant shall limit its diversion and storage of the Finch Reservoir changed right at the South Fork Pond to the amount physically and legally available at the original point of diversion and storage. The amount available to the portion changed herein is limited to a pro-rata portion of the cumulative amount used at all points of diversion and storage for the original Finch Reservoir right.”



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: November 17-18, 2021 Board Meeting

Directors Report: Water Project Loans
Interest Rates

Introduction

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

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

- 1.10% - Agricultural
- 1.55% - Low-income Municipal
- 1.80% - Middle-income Municipal
- 2.00% - High-income Municipal
- 6.00% - Commercial
- 2.00% - Hydroelectric

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

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





COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

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: Matthew Stearns, P.E., Project Development

DATE: November 17-18, 2021 Board Meeting

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

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

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



Prequalified Project List

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



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

BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
South Platte		
NISP Participants	NISP	\$750,000,000
Woods Lake Mutual Ditch Company	Culvert Replacement	\$150,000
Town of Kersey	Water Line Project	TBD
Riverside Reservoir and Land Company	Ditch Rehabilitation	\$250,000
Town of Bennett	Raw Water Tank	\$500,000
Evergreen Metro District	Evergreen Dam Enlargement	TBD
Left Hand Water District	Dry Creek Reservoir	TBD
Shawnee Water Consumers Association	Reservoir Rehabilitation	\$200,000
Boulder and White Rock Ditch & Res. Co.	Reservoir Dredging	TBD
Western Mutual Ditch Company	Reservoir Dredging	TBD
Bergen Ditch and Reservoir Company (*)	Reservoir Rehabilitation	TBD
Louviers Water and Sanitation District	Regional Connection	TBD
City of Fort Collins	Irrigation Ditch Piping	\$20,000,000
City of Fort Collins	Halligan Reservoir Enlargement	\$120,000,000
Northern Colorado WCD	Windy Gap Firming (increase)	\$40,000,000
Cherry Creek Water Project Authority	Walker Pit	\$14,500,000
City of Loveland	Reservoir Enlargement	TBD
SPROWG Participants	SPROWG	\$1,800,000,000
City of Milliken (*)	Hillsboro Dam Rehabilitation	\$15,000,000
Colorado Parks and Wildlife (*)	Tarryall Dam Rehabilitation	\$5,000,000
Dave Miller Mutual Ditch Company	Ditch Piping Project	\$150,000
Standley Lake Operating Committee	Reservoir Expansion	TBD
Switzerland Park HOA	Reservoir Rehabilitation	\$300,000
Danna Ortiz	Knouth Reservoir Rehabilitation	\$3,000,000
Loup Reservoir Company	Loup Reservoir Rehabilitation	TBD
Smith and Emmons Ditch Company	Headgate Rehabilitation	\$176,000
Middle South Platte Reservoir Company	New Reservoir	TBD
Arthur Irrigation Company	Ditch Rehabilitation	TBD
Handy Ditch Company	Welch Reservoir Rehabilitation	\$1,000,000
Inverness Water and Sanitation District	Walker Reservoir Improvements	\$3,250,000
Castle Pines Metropolitan District	Chatfield Water Purchase	\$500,000
Glacier Lake Property Owners	Glacier Lake Outlet Rehabilitation	TBD
City of Central	Raw Water Pipeline	TBD
Subtotal		\$2,773,976,000



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
Arkansas		
Oxford Ditch	Siphon Repair	\$1,800,000
Town of Manitou Springs	Raw Water Pipeline	\$3,000,000
City of Woodland Park	Storage Project	\$1,000,000
Fort Lyon Canal Company	Adobe Creek Enlargement	\$8,000,000
Deweese Ditch and Reservoir Co. (+)	Reservoir Enlargement	TBD
Holbrook Ditch Company	Reservoir Enlargement	TBD
Lake County	New Reservoir	TBD
Catlin Canal Company	Canal System Improvement	\$1,500,000
Lower Arkansas WCD	New Storage Account	TBD
Donala Water and Sanitation District	Ditch Construction	TBD
Mesa McKenna Mutual Ditch Company	Ditch Piping Project	TBD
Town of Avondale (*)	New Well	TBD
Round Mountain Water & Sanitation	New Reservoir	TBD
Ordway, Town of	Reservoir Rehabilitation	TBD
Cross Creek Metropolitan District	Hale Reservoir Rehabilitation	\$3,000,000
Triview Metropolitan District	New Reservoir	\$4,000,000
Twin Lakes Reservoir and Canal Company	Dam and Tunnel Rehabilitation	\$5,500,000
Colorado City	Beckwith Dam Rehabilitation	TBD
Oxford Ditch Company	Flume Rehabilitation	\$1,800,000
Subtotal		\$29,600,000
San Miguel/Juan		
Town of Bayfield	Ditch Piping Project	\$500,000
Redmesa Reservoir and Ditch Co. (*)	Redmesa Reservoir Enlargement	\$8,500,000
City of Cortez	Distribution System (Loss Prevention)	\$10,000,000
Webber Ditch Company (‡)	Ditch Piping Project	TBD
Pagosa Area Water and Sanitation Dist. (*)	Raw Water Pipeline Rehabilitation	TBD
Lone Cone Ditch and Reservoir Company	Reservoir Rehabilitation	TBD
Town of Naturita	Water Meters	TBD
Farmers Water Development Company	Reservoir Rehabilitation	TBD
Lone Cone Ditch and Reservoir Company	Reservoir Rehabilitation	TBD
Sellers McClane Reservoir and Ditch Co.	Reservoir Rehabilitation	TBD
Subtotal		\$19,000,000
Colorado		
Orchard Mesa Irrigation District	Lateral Piping	\$300,000
Silt Water Conservancy District	Harvey Gap Reservoir	\$300,000
Middle Ditch	Ditch Piping Project	TBD
New Multa Trina Ditch Company (‡)	Ditch Piping Project	TBD
Horse Pasture HOA	Ditch Piping Project	\$100,000
Gunther Covers	Christenson Dam	TBD
Town of Minturn	New Well Field	\$5,220,000
Flannery Water Company, LLC	Reservoir Rehabilitation	TBD
Subtotal		\$5,920,000



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
Gunnison		
Gunnison County Electric	Taylor Park Hydro	\$1,000,000
Duke Ditch Company	Ditch Piping Project	\$400,000
Bostwick Park Water Conservancy District	Dam Construction	TBD
Kendall Reservoir Company	Reservoir Rehabilitation	\$140,000
Orchard City Irrigation District (‡)	Fruit Growers Reservoir Rehab	\$560,000
Ouray, City of	Water Supply Pipeline	TBD
Grand Mesa Water Users Association	Reservoir Rehabilitation	\$600,000
Crested Butte, Town of	Dam Outlet Rehabilitation	TBD
Olathe, Town of	Water Meter Replacement	TBD
Subtotal		\$2,700,000
North Platte		
Colorado Parks and Wildlife (*)	North Michigan Creek Reservoir	\$6,000,000
Spicer Ranches, LTD	Reservoir Rehabilitation	TBD
Walden, Town	New Well	TBD
Subtotal		\$6,000,000
Rio Grande		
Manassa Land & Irrigation Co.	Ditch Rehabilitation	\$6,000,000
Baca Grande WSD	Water Rights Purchase	\$1,000,000
Sanchez Ditch and Reservoir Co.	Dam Rehabilitation	\$4,000,000
Rio Grande WCD - Subdistrict #1	Water Rights Purchase	\$5,000,000
Trinchera Water Conservancy District	Water Rights Purchase or Lease	\$2,000,000
Center, Town of	Water Meter Project	\$200,000
San Luis Valley WCD (†)	Shaw Reservoir Purchase	TBD
Colorado Parks and Wildlife	Alberta Park Dam Rehabilitation	\$4,000,000
La Jara, Town of	System Rehabilitation	TBD
Subtotal		\$22,200,000
Yampa		
Town of Oak Creek (*)	Reservoir Rehabilitation	\$5,600,000
Rio Blanco WCD	Wolf Creek Reservoir	\$100,000,000
Bear River Reservoir Company	Stillwater #1 Dam Rehabilitation	TBD
Marc Etchart	Procter Reservoir Rehabilitation	TBD
Subtotal		\$105,600,000





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, Director

To: Colorado Water Conservation Board Members

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

Board Meeting: November 17-18, 2021 Board Meeting

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

The CWCB Loan Program has Substantially Completed (15) projects in Calendar Year 2021 as shown in Table 1. There are currently (44) projects authorized to receive loan funding totaling \$334M. There are (41) projects currently under contract and in the Design/Construction phase totaling \$244M. The attached spreadsheet summarizes the status of all loan. A detailed description about each project is provided on the CWCB website under Water Project Loan Program. cwcbs.colorado.gov/loans-grants/water-project-loan-program

TABLE 1

	Borrower	Project	County	Loan Amount	Complete
1	Central Colorado Water Conservancy District	Chatfield Reallocation Project - First Cost of Storage	Arapahoe / Douglas / Park /	\$3,187,560	2/1/21
2	Left Hand Water District	Participation in Southern Water Supply Project II	Broomfield / Weld	\$10,000,000	2/1/21
3	South Fork, The	Augmentation Water Purchase	Rio Grande	\$440,400	3/1/21
4	St. Vrain & Left Hand WCD	Emergency Rock'n WP Ranch Lake No. 4 Repair	Boulder	\$3,238,613	3/1/21 (a)
5	St. Vrain & Left Hand WCD	Lake No. 4 Outlet Pipeline Repair	Boulder	236,154	3/1/21
6	Redlands Water and Power Co.	Pumpline Replacement Project	Mesa	568,944	5/1/21
7	Lateral Ditch ML47, Inc.	Lateral Ditch Pipeline Project	Mesa	692,548	6/1/21
8	North Sterling Irrigation District	Outlet Canal Automation Phase II Project	Logan	\$395,920	7/1/21
9	Redlands Water and Power Co.	Roller Gate Replacement	Mesa	\$404,000	8/1/21
10	Pueblo Conservancy District	Arkansas River & Wildhorse Creek Levees Project	Pueblo	\$23,230,000	9/1/21
*11	San Luis Valley Irrigation District	Rio Grande Res Rehab - Phase 2	Hinsdale / Rio Grande	\$15,000,000	10/1/2021(b)
*12	Central Colorado WCD	Chatfield Reallocation Project Phase II Mitigation	Douglas Arapahoe / Douglas / Park /	\$6,670,684	10/1/21 (c)
*13	Castle Pines North MD	Chatfield Reallocation Project Phase II Mitigation	Arapahoe / Douglas / Park /	\$1,430,032	10/1/21(d)
*14	Centennial WSD	Chatfield Reallocation Project Phase II Mitigation	Arapahoe / Douglas / Park /	10,400,368	11/1/21 (e)
*15	Centennial WSD	Chatfield Reallocation Project - First Cost of Storage	Arapahoe / Douglas / Park /	4,978,290	11/1/21
	* included in Director's Report		Total	\$80,973,113	

Calendar Year 2021 has added and preserved 63,915 acre-feet of reservoir storage; (a) 600; (b) 51,113; (c) 4,274; (d) 1,006; (e) 6,922





Tunnel Rehabilitation



New Gate House



Piping to New Gate House



Project Description

The dam was originally constructed in 1914 and almost immediately sustained damage due to vibration and erosion from the outlet works. The dam has been modified on several occasions and is currently a height of 111 feet (51,113 AF). The outlet gate structure was repaired on multiple occasions to correct problems with vibrations caused by pressures and release rates. The Reservoir's outlet has long been a limiting factor in the administration of the Rio Grande. This Project will provide operational efficiencies by better managing the timing of water stored and released from the Reservoir. This will result in improved stream health and utilization of Rio Grande water by the District, the State of Colorado, and the many other water users in the basin.

This project included a new intake structure and guard gates; the lining of the intake tunnel, new outlet gates in a new gate house downstream of the dam; a 70ft reinforced lined bypass tunnel around the abandoned in-place old slide gates. The existing outlet tunnel was lined with a ten-foot diameter steel pipe extending the outlet 150ft to the twin 84-inch fixed cone valves and a 36-inch low flow valve.

The total Project cost for Phase 1 & 2 was \$30,000,000. The District received a total of \$15,000,000 in state grant funding which included seepage control improvements, a Forest Service land exchange, Phase 2 final design and 40% of the Phase 2 construction costs.

PROJECT DATA

<i>Sponsor:</i> San Luis Valley Irrigation District	<i>County:</i> Hinsdale	<i>Water Source:</i> Rio Grande
<i>Type of Project:</i> Reservoir Rehabilitation	<i>Board Approval Date:</i> November 2011	
<i>Terms of Loan:</i> 2.45% for 30 years	<i>(Original)</i> \$23,230,000	<i>(Final)</i> \$23,230,000
<i>Design Engineer:</i> Deere & Ault Consultants, DiNatale Water Consultants		
<i>Contractor:</i> Moltz Civil, LLC		



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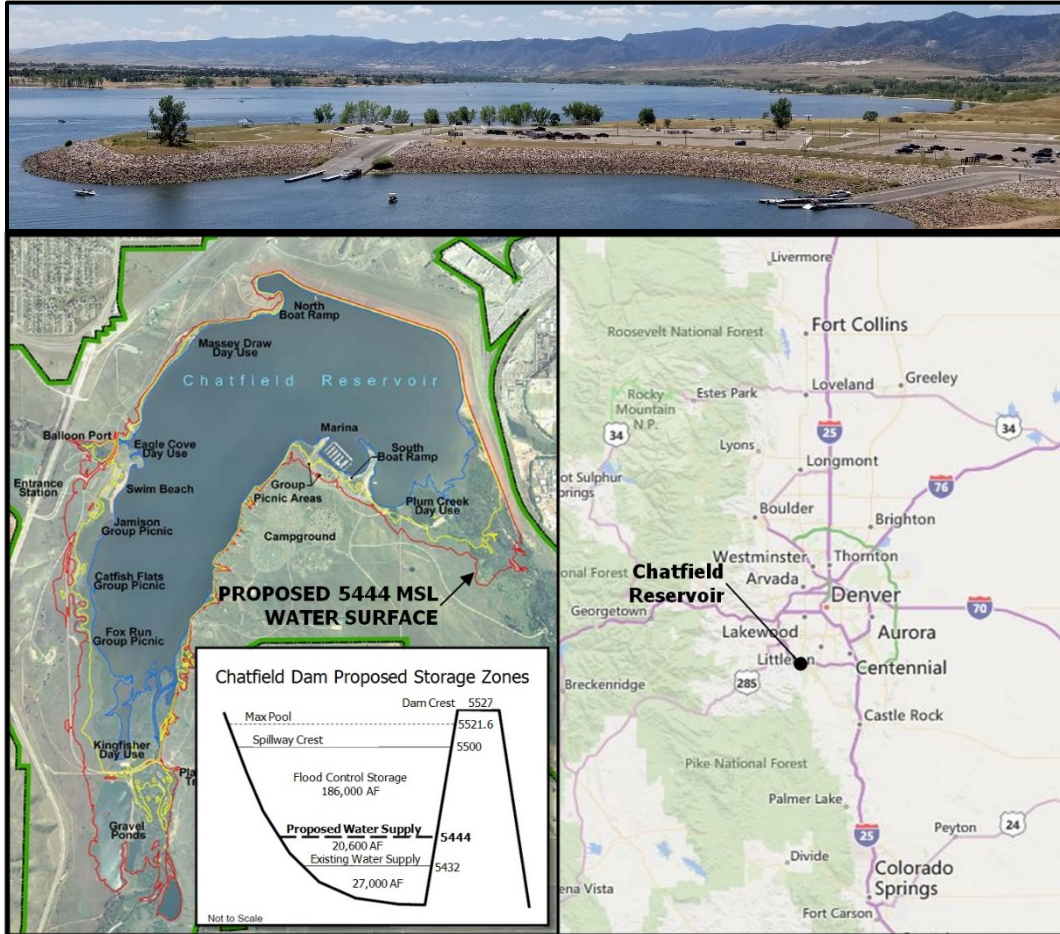
Department of Natural Resources

Chatfield Reallocation Project

Phase 2 Mitigation

Central Colorado Water Conservancy District

Substantially Complete October 1, 2021



Project Description

The District is located in the South Platte River basin between Denver and Fort Morgan including Beebe Draw, and the lower portions of Box Elder Creek and Lost Creek drainages. Approximately 210,000 acres of irrigated agricultural lands are served by the District. The Chatfield Reallocation Project will reallocate a total of 20,600 AF of storage space from the flood control pool into a multipurpose pool. The District is participating in the Reallocation Project by purchasing 4,274 AF of the reallocated storage and is proportionally responsible for all Reallocation Project cost.

The current cost estimate for the Reallocation Project is \$171 million. The District was approved for a total of \$29,999,929 in CWCB loans for the Reallocation Project which were split into three loan contracts for Phase 1, Phase 2, and First Cost of Storage. Construction of the Reallocation Project is substantially complete. The Phase 2 loan contract funded the District's portion of the Mitigation costs of the Project.

P R O J E C T D A T A		
<i>Sponsor:</i> Central Colorado Water Conservancy District	<i>County:</i> Douglas	<i>Water Source:</i> South Platte River & Plum Creek
<i>Type of Loan:</i> Reservoir Storage		<i>Board Approval Date:</i> May 2014
<i>Loan Terms:</i> 1.75% for 30 years (Original) \$7,000,310 (Final) \$6,670,684.29		
<i>Design Engineer:</i> Various		
<i>Contractor:</i> Various		



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Colorado Water
Conservation Board

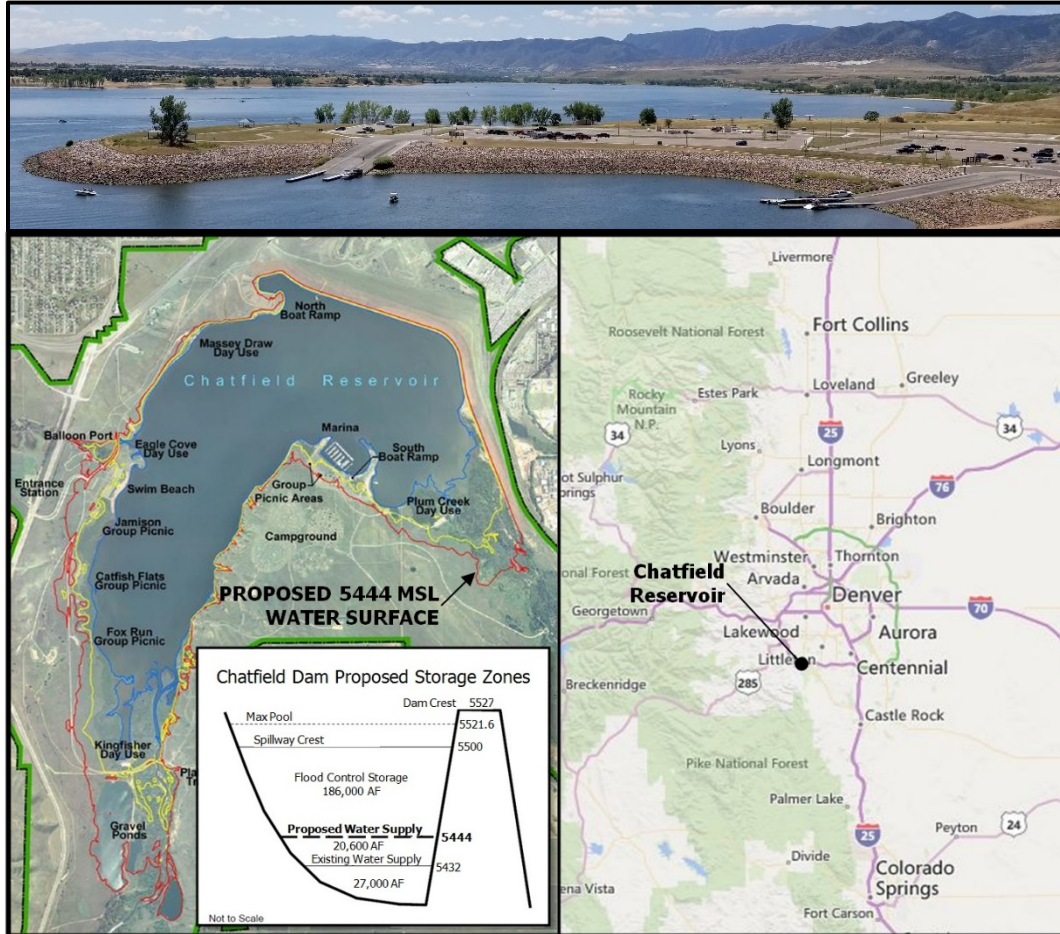
Department of Natural Resources

Chatfield Reallocation Project

Phase 2 Mitigation

Castle Pines North Metropolitan District

Substantially Complete October 1, 2021



Project Description

The District provides water and wastewater services to the residents and businesses in the City of Castle Pines in Douglas County. The District is participating in the Chatfield Reallocation Project in order to increase the permanence and reliability of its water supply. The Chatfield Reallocation Project will reallocate a total of 20,600 AF of storage space from the flood control pool into a multipurpose pool. The District is participating in the Reallocation Project by purchasing 1,006 AF of the reallocated storage and is proportionally responsible for all Reallocation Project cost.

The current cost estimate for the Reallocation Project is \$171 million. The District was approved for a total of \$7,773,364 in CWCB loans for the Reallocation Project which were split into three loan contracts for Phase 1, Phase 2, and First Cost of Storage. Construction of the Reallocation Project is substantially complete. The Phase 2 loan contract funded the District's portion of the Mitigation costs of the Project.

P R O J E C T D A T A		
<i>Sponsor:</i> Castle Pines North Metropolitan District	<i>County:</i> Douglas	<i>Water Source:</i> South Platte River & Plum Creek
<i>Type of Loan:</i> Reservoir Storage		<i>Board Approval Date:</i> May 2014
<i>Loan Terms:</i> 3.00% for 30 years (Original) \$1,587,720.00 (Final) \$1,430,032.19		
<i>Design Engineer:</i> Various		
<i>Contractor:</i> Various		



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Colorado Water
Conservation Board

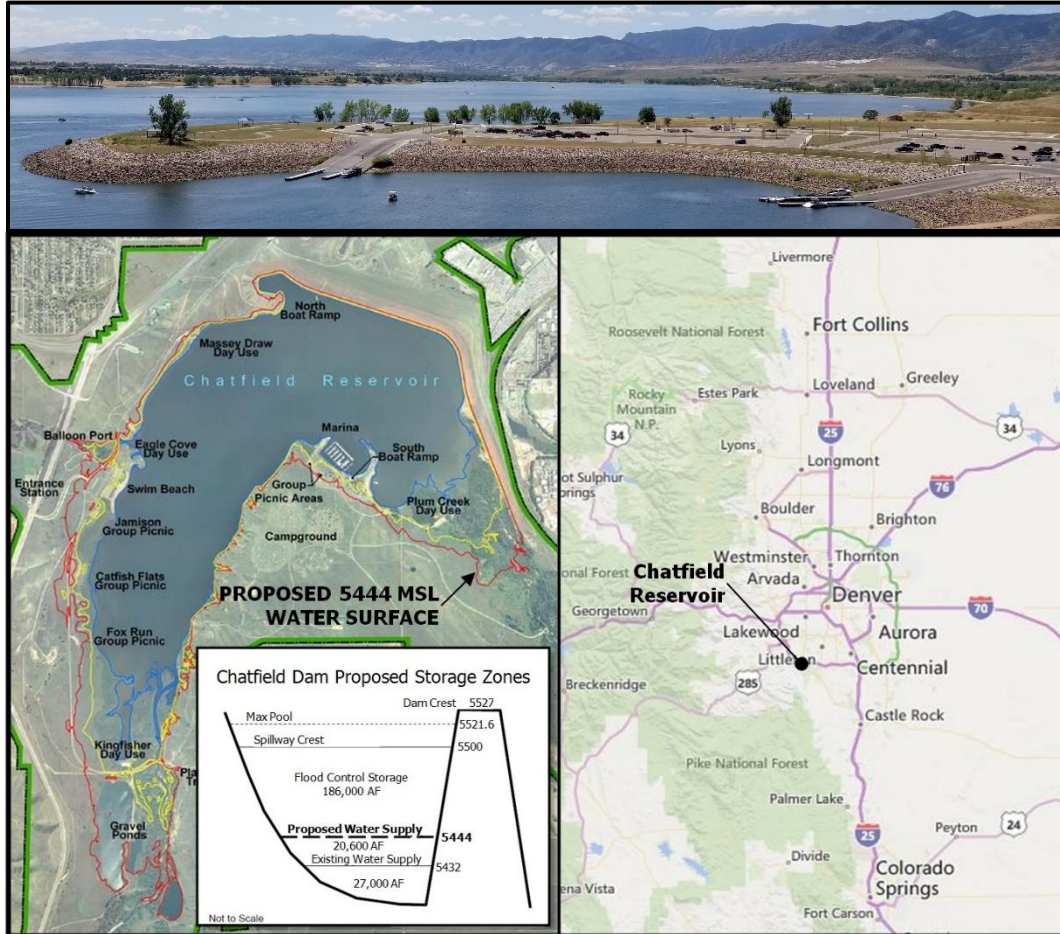
Department of Natural Resources

Chatfield Reallocation Project

Phase 2 Mitigation

Centennial Water & Sanitation District

Substantially Complete November 1, 2021



Project Description

The District provides water and wastewater services to the residents and businesses of Highlands Ranch in Douglas County. The District is participating in the Chatfield Reallocation Project in order to increase the permanence and reliability of its water supply. The Chatfield Reallocation Project will reallocate a total of 20,600 AF of storage space from the flood control pool into a multipurpose pool. The District is participating in the Reallocation Project by purchasing 6,922 AF of the reallocated storage and is proportionally responsible for all Reallocation Project cost.

The current cost estimate for the Reallocation Project is \$171 million. The District has been approved for a total of \$53,486,267 in CWCB loans for the Reallocation Project which are split into three loan contracts for Phase 1, Phase 2, and First Cost of Storage. Construction of the Reallocation Project is substantially complete. The Phase 2 loan contract funded the District's portion of the Mitigation costs of the Project.

P R O J E C T D A T A		
<i>Sponsor:</i> Centennial Water & Sanitation District	<i>County:</i> Douglas	<i>Water Source:</i> South Platte River & Plum Creek
<i>Type of Loan:</i> Reservoir Storage		<i>Board Approval Date:</i> May 2014
<i>Loan Terms:</i> 3.00% for 30 years (Original) \$10,934,260 (Final) \$10,400,368.08		
<i>Design Engineer:</i> Various		
<i>Contractor:</i> Various		



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Colorado Water
Conservation Board

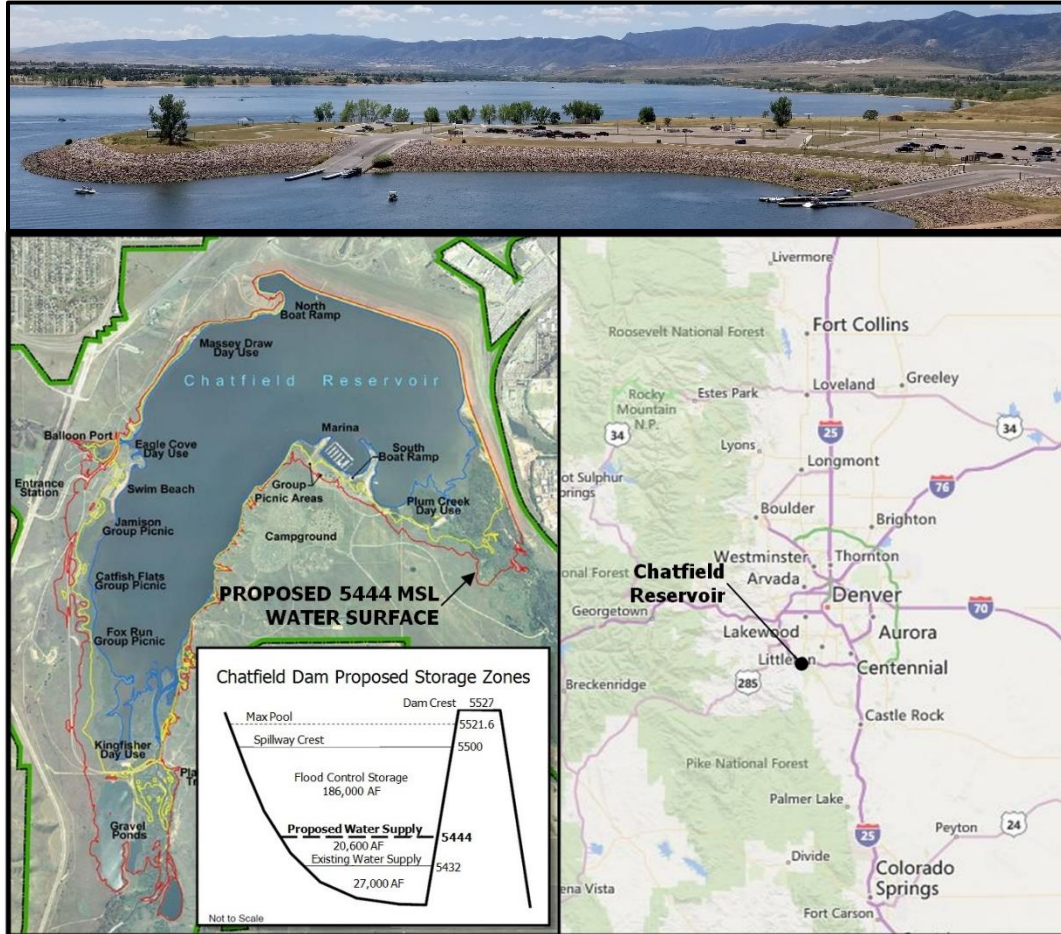
Department of Natural Resources

Chatfield Reallocation Project

First Cost of Storage

Centennial Water & Sanitation District

Substantially Complete November 1, 2021



Project Description

The District provides water and wastewater services to the residents and businesses of Highlands Ranch in Douglas County. The District is participating in the Chatfield Reallocation Project in order to increase the permanence and reliability of its water supply. The Chatfield Reallocation Project will reallocate a total of 20,600 AF of storage space from the flood control pool into a multipurpose pool. The District is participating in the Reallocation Project by purchasing 6,922 AF of the reallocated storage and is proportionally responsible for all Reallocation Project cost.

The current cost estimate for the Reallocation Project is \$171 million. The District has been approved for a total of \$53,486,267 in CWCB loans for the Reallocation Project which are split into three loan contracts for Phase 1, Phase 2, and First Cost of Storage. This Storage loan contract funded the District's proportional obligation of the cost associated with the "First Cost of Storage" as defined in the agreement between the Dept. of Army and the Colorado Dept. of Natural Resources for the Reallocation Project dated October 9, 2014.

P R O J E C T D A T A		
Sponsor: Centennial Water & Sanitation District	County: Douglas	Water Source: South Platte River & Plum Creek
Type of Loan: Reservoir Storage		Board Approval Date: May 2014
Loan Terms: 3.00% for 30 years (Original) \$4,978,290 (Final) \$4,978,290		
Design Engineer: Various		
Contractor: Various		

	Borrower/Projects	County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
Projects in Design or Construction								
1	Amity Mutual Irrigation Company >Queen Reservoir Dam Rehabilitation CT2021-2224	Kiowa	\$1,333,000	50%	Fall 2020 - Spring 2023	5%	RP	Dam breached. Final design underway then Dam Safety review/approval. Bid pkg. Aug2021.
2	Arapahoe County Water and Wastewater Authority >Chambers Reservoir Liner Rehabilitation CT2021-513	Arapahoe	\$4,000,000	100%	May 2020 - May 2022	98%	RP	Under construction Aug 2020, liner prep/installation through Oct 2020. Material onsite, liner install 9/10/20, reservoir bottom and sides final acceptance 10/2020, all liner is placed, vents, access ladders, access ramp. Dam Safety fill approval-May2021. Loan increase request May2021 for pump system component.
3	Cedar Mesa Ditch Company >Lower Cedar Mesa Ditch Piping CT2020-2680	Delta	\$1,346,000	100%	Sept 2020 - Spring 2023	80%	MS	Construction began in October. The intake structure is complete and pipe installation is nearly finished. Construction is ongoing, and is expected to be complete in December 2021.
4	DIVERSION STRUCTURE REPLACEMENT \$5,035,000							This project will support the replacement of UPBCC/DSIC's 1,400 foot long diversion structure on the South Platte. Contractor mobilization and first purchase of materials took place in June 2020. All work except for final punch list items are complete. Loan closeout is expected this winter.
	a. Deuel and Snyder Improvement Company >Diversion Structure Replacement CT2020-3562	Morgan	\$643,000	100%	Aug 2020 - Nov 2021	98%	CB	
	b. Upper Platte and Beaver Canal Company >Diversion Structure Replacement CT2020-0333	Morgan	\$4,392,000	100%	Aug 2020 - Nov 2021	98%	CB	
5	Duke Ditch Company >Piping the Duke Ditch CT2017-0915 CTGG1 2017-0212 (WSRF)	Delta	\$90,000	100%	On Hold	0%	MS	NRCS finalized the design in August 2018. Federal grant expired. Company is evaluating options of applying for a loan increase and completing project without federal grant dollars.
6	Florida Consolidated Ditch Company >Hess Lateral Improvement CT2019-2034 CTGG1 2016-1319 (WSRF)	La Plata	\$1,075,000	100%	Winter 2020 - Fall 2021	0%	KR	Company received bids. The low bid exceeded the available funding. Company is in the process of value engineering and project adjustments.
7	Florida Consolidated Ditch Company >Florida Canal Diversion Replacement CT2021-2890 WSRF & WPG CTGG1 2021-2418	La Plata	\$750,000	10%	Spring 2021 - Fall 2023	0%	MS	This project is the replacement of a low head dam diversion structure with multibeneficial outcomes. Design work began in the summer of 2021.
8	Fort Morgan Farms, LLC >Delta Water Storage Phase 1 CT2021-2222	Weld	\$8,982,000	100%	Fall 2021 - Spring 2022	25%	CB	The Delta Storage Project will construct a below grade storage reservoir. The loan covers the cost of constructing a slurry wall around the reservoir to isolate future stored water from existing groundwater. Currently the slurry wall is under construction.
9	Fruitland Irrigation Company >Tunnel and Canal Renovation CT2019-2848 WSRF CTGG1 2019-2449 WPG CTGG1 2019-2475	Delta & Montrose	\$1,729,000	100%	Jan 2020 - Dec 2023	24%	RP	Sept 2018 letter from Bureau of Reclamation recvd. Construction material delivery began 11/2019. Section 1 tunnel work bed pkg Dec2020. Section 2 Tribble - Pipe placement, compaction testing. Section 3&4 Rundle - begin breaking and removal of bedrock
10	Genesee Water and Sanitation District >Reservoir No. 1 Enlargement CT2021-2851	Jefferson	\$4,200,000	50%	Fall 2021 - Winter 2022	0%	RP	Loan approved Sep 2020. Water Plan Grant approved in March2021. Contracting loan and grant at the same time.
11	Glenwood Springs, City of >System Redundancy and Pre-Treatment Improvements >CT2021-3104	Garfield	\$8,000,000	100%	Spring 2021 - 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 Grizzly Creek Fire in 2020.
12	Grand Mesa Water Conservancy District >Peak Res. & Blanche Park Res. Rehabilitation CT150354 (CT2015-061)	Delta	\$466,620	100%	Mar 2013 - Dec 2021	95%	MS	Construction on Peak Reservoir began in the 2013 season and was completed in Oct 2014. Construction on Blanche Park Reservoir began in July 2020. Sufficient embankment fill material has been located and construction is progressing with completion expected by the spring.
13	Grand Junction, City of >Carson Reservoir Dam Rehabilitation CT2021-3110	Mesa	\$3,000,000	100%	Spring 2021 - 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.
14	Grand Junction, City of >Purdy Mesa Flowline Replacement CT2021-2857	Mesa	\$7,000,000	100%	Winter 2021 - Summer 2023	0%	CB	The Purdy Mesa Flowline is a large diameter pipeline that supplies raw water to the Grand Junction WTP. Most of the line was replaced as part of previous projects and this project will replace the last remaining out-of-date pipe material. Project is on hold until 2022.
15	Groundwater Management Subdistrict of CCWCD >Hokestra Reservoir Purchase CT2020-3348	Weld	\$5,390,500	100%	May 2020 - Dec 2021	5%	CB	This Project will purchase an existing reservoir for use as augmentation storage. Funds have been disbursed for the reservoir purchase, but construction is in the earliest phases.
16	Groundwater Management Subdistrict of CCWCD >Pioneer Reservoir CT2019-3687	Weld	\$8,611,000	75%	Sep 2019 - May 2022	0%	CB	This is a gravel pit retrofit for augmentation water supply. Funds for the initial reservoir purchase and some engineering were disbursed in May 2019. Construction efforts are expected to begin in 2021.
17	Hidden Valley Water District >Master Water Meter Connection CT2020-2244	Jefferson	\$1,720,000	100%	Feb 2020 - Dec 2021	95%	RP	Assets and operations are all to the District. District signed and approved EMD IGA. Precon Dec2019. Construction begin Feb 2020. EMD connect 7/2020. Construction complete, final walkthru Aug2020. Working on IGA with EMD.
18	Huerfano County Water Conservancy District >Regional Augmentation Project CT150364 (CT2015-0047)	Huerfano	\$2,640,000	100%	Jan 2014 - Dec 2021	95%	RP	Land and water rights purchase occurred in January 2014. Phase I completed Oct 2017. Ph 3 - Reservoir liner complete 8/2019. Approved loan increase and time extension 11/2019 mtg. Award to Frontier Environ. Services. Ph4 Rebar pump station footer placed, diversion structure wall poured 12/2020. Construction complete. Asbuilt dwgs underway
19	Julesburg Irrigation District >Diversion Structure Rehabilitation CT2020-0396 WPG CTGG1-2020-2445	Sedgwick	\$2,858,000	100%	May 2020 - Dec 2021	99%	CB	This project is a diversion structure replacement on the South Platte. The Project is complete and is currently in the process of closing out the loan.
20	Left Hand Ditch Company >Allen's Lake Filler Canal Improvements CT2019-3463	Boulder	\$765,000	100%	Dec 2020 - Nov 2021	90%	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. The Project is complete and the increase will pay for work completed.

	Borrower/Projects	County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
21	Logan Irrigation District >Prewitt Reservoir Rehabilitation CT2021-3898	Logan	\$1,563,000	100%	Spring 2021 - Fall 2021	0%	CB	This project will support dredging efforts to eliminate a dead pool at Prewitt Reservoir. The project is currently on hold.
22	Lookout Mountain Water District >Upper and Lower Beaver Brook Dam Rehabilitation CT2021-3115	Jefferson	\$3,500,000	100%	Spring 2021 - Fall 2021	5%	RP	Contractor mobilized and site staging. Construction and dam demolition
23	North Sterling Irrigation District >North Sterling River Diversion Replacement CT2021-3875	Morgan	\$3,498,000	100%	Fall 2021 - Spring 2022	40%	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 >Seely Reservoir Dredging CT2019-2099 CTGG1 2019-2018 (WPG)	Weld	\$2,252,000	85%	Fall 2021 - Spring 2023	0%	RP	USACE 12/2019 non jurisdictional determination. Floating dredge proposed in lieu of draining/excavating reservoir convent. excavation/haul. OILC concerned floating dredge ability dewater sufficiently for adjacent property. Reviewing options.
25	Orphan Wells of Wiggins >Kiowa Creek Dam Rehabilitation CT2021-3116	Morgan	\$373,000	100%	Spring 2021 - Fall 2021	90%	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 >Redmesa Reservoir Rehabilitation Engineering CT2022-0498	La Plata	\$183,000	60%		0%	MS	This project is to engineer a financially feasible dam rehabilitation, including a potential enlargement. Company has awarded contract to design consultant for Final Design and Engineering. Work began on March 8.
27	Rio Grande Water Conservation District Subdistrict No. 5 >Saguache Pipeline CT2021-3846	Saguache	\$4,844,000	80%	Spring 2021 - Fall 2022	0%	RP	Working on well owner agreement and Project easement agreements.
28	Rural Ditch Company >Diversion Structure Improvement CT2021-2043	Weld	\$805,000	100%	Spring 2021 - Spring 2022	98%	CB	The Rural Ditch Diversion Structure project will repair a diversion structure which was damaged in the 2013 flooding. It has operated at a reduced capacity since it was damaged, but as a result of this project will be restored to full operation.
29	Southeastern CO Water Conservancy District >Pueblo Dam Hydroelectric Project CT2018-0833	Pueblo	\$17,220,000	100%	June 2017 - Nov 2021	99%	RP	Construction beginning fall 2017. District anticipates power production by fall of 2018. Tie-in to SDS complete April 2018. Waiting on transformer approval from Black Hills. Turbine and generator placement and fiber optic line approval. Functional and producing power. Finalizing adjustments and design details. 2-yr performance time extension approved.
30	South Platte Ditch Company >Diversion Structure Rehabilitation CT2022-0424	Washington	\$1,065,000	100%	Aug 2021 - Apr 2022	10%	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.
31	Spring Dale Ditch Company >Diversion Structure Replacement Project CT2020-3110	Logan	\$1,210,000	100%	Feb 2020 - Jun 2021	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.
32	Tunnel Water Company >West Half Laramie-Poudre Tunnel Rehabilitation CT2019-3706	Larimer	\$17,080,000	100%	Sep 2019 - Apr 2023	40%	RP	Construction scheduled to begin the Fall 2019, when low water and non-irrigation season. Requesting loan increase 11/2019, 3/2020 from Projects Bill 2020. Construction delays due to Cameron Peak wildfire. Unplanned construction season 3. Runaround complete, station 52+00 of 65+00.
33	Tunnel Water Company >Headgate Improvements Project (Wildfire Impact) CT2021-3928	Larimer	\$1,206,000	100%	Apr 2021 - May 2021	90%	RP	Power supply installation complete. Duperon gate delivery at site. Headgate installation underway.
34	Tunnel Water Company >Rawah Ditch Tunnel Rehabilitation CT2021-3927	Larimer	\$2,150,000	100%	Apr 2021 - May 2021	90%	RP	Downstream end of 54in pipe backfill grouting completed. Grout return out of the rock approximately 15ft above the pipe from the rock face. Visible grey strips running vertically in center of the picture. Restruction doing injection grouting in the riprap at the ends of pipe.
35	Victor, City of >Victor Reservoir No. 2 Dam Rehabilitation CT2021-3873	Teller	\$375,000	100%	Apr 2021 - Sep 2021	0%	RP	Bid package compete and advertised. Prebid scheduled 19May2021. Planned begin construction Jun2021.
36	VINELANDS POWER PLANT PROJECT							This project will replace the existing hydroelectric powerplant. PPA is signed, LOPP is signed. Contractor mobilized November of 2021.
	a. Grand Valley Water Users Association >Vinlands Power Plant CT2022-2084 WPG CTGG1 2022-2072	Mesa	\$1,066,000	100%	Fall 2021 - Fall 2022	0%	MS	
	b. Orchard Mesa Irrigation District >Vinlands Power Plant CT2022-2057	Mesa	\$1,066,000	100%	Fall 2021 - Fall 2022	0%	MS	
37	WALKER RECHARGE PROJECT \$15,000,000							The Walker Recharge project consists of diversions off the South Platte, a pipeline, and infiltration facilities to re-time augmentation flows. Two other loans and a grant are tied to the project. Construction related to the grant will began in November and the first dipursals were made in December. The pipeline has been entirely installed and final appurtenances are being installed at this time.
	a. Central Colorado WCD >Walker Recharge CT2020-0310 (CTGG1 2019-3648 WPG Closed-out)	Weld	\$2,250,000	100%	Sep 2019 - Sep 2022	70%	CB	
	b. Groundwater Management Subdistrict of CCWCD >Walker Recharge CT2020-0324	Weld	\$9,750,000	100%	Sep 2019 - Sep 2022	90%	CB	
	c. Well Augmentation Subdistrict of CCWCD >Walker Recharge CT2020-0326	Weld	\$3,000,000	100%	Sep 2019 - Sep 2022	70%	CB	
38	Wiggins, Town of >Wiggins Recharge Facility at Glassey Farms CT2018-0892	Morgan	\$2,385,000	100%	Jul 2017 - Jul 2021	0%	CB	The purpose of this project is to develop an augmentation water source for the Town. In August 2017 the Town purchased Glassey Farms and its associated water rights and 52% of funds were disbursed at that time. The project is back underway and an extension was granted.
39	Windy Gap Firming Project Water Activity Enterprise >Windy Gap Project CT2021-2039	Larimer	\$89,108,911	100%	Spring 2021 - Summer 2024	0%	CB	Construction contract was awarded in December and allotment contracts among project participants are being drafted. Contractor was selected in October. Project loan conditions were amended at the March Board Meeting. Due to ongoing litigation the project start is delayed until 2022.

	Borrower/Projects	County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
40	WISE Project - Phase 2 Infrastructure \$7,326,940							
	a. Cottonwood W&S Dist - C150408C (CT2015-0105)	Douglas/ Arapahoe	\$1,116,000	100%	Jan 2020 - Dec 2022	5%	RP	Binney Connection Pipeline of Water Infrastructure and Supply Efficiency project will increase WISE flow capacity to 30MGD and provide infrastructure from Aurora Binney Facility to SMWSA. Pumps/Treatment-Glacier, Pipeline/Infrastructure-T.Lowell, Jacobs is Engineer. Vault excavation began 9/2020. Construction trailer onsite through project duration. Glacier complete foundation work, pump cans have been delivered and installed, pump motors have arrived at the pump manufacture, preliminary SCADA meetings begun, Glacier starting to form rebar for the flow control building, start laying pipe. Precast concrete walls for pump station planned Jun2021.
	b. Inverness W&S Dist - C150409C (CT2015-0119)	Douglas/ Arapahoe	\$1,413,000	100%	Jan 2020 - Dec 2022	5%	RP	
	c. Parker W&S Dist - C150410C (CT2015-0109)	Douglas/ Arapahoe	\$3,384,810	100%	Jan 2020 - Dec 2022	5%	RP	
	d. Pinery (Den SE WSD)C150411B (CT2015-0086)	Douglas/ Arapahoe	\$1,413,130	100%	Jan 2020 - Dec 2022	5%	RP	
41	WISE Project - DIA Connection \$1,902,600							
	a. Cottonwood W&S Dist - C150408D (CT2015-0104)	Douglas/ Arapahoe	\$363,600	80%	N/A	60%	RP	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.
	b. Inverness W&S Dist - C150409D (CT2015-0120)	Douglas/ Arapahoe	\$450,000	80%	N/A	60%	RP	
	c. Parker W&S Dist - C150410D (CT2015-0110)	Douglas/ Arapahoe	\$1,089,000	80%	N/A	60%	RP	

Projects Under Contract : \$244,170,571

Approved Projects - Not Under Contract								
a	Taylor & Gill Ditch Company >Ditch Piping CT2022-XXXX CTGG1 2022-XXXX	Larimer	\$125,000	0%	Fall 2020 - Spring 2021	0%	CB	This project will replace 1,000 feet of open ditch with a buried pipe. Contracting documents are dated and need redone.
b	Southeastern Colorado Water Conservancy District >Arkansas Valley Conduit CT2022-XXXX	Pueblo, Crowley, Otero, Bent, Prowers	\$90,000,000	0%	Fall 2020 - Fall 2035	0%	RP	
c	Billings Ditch Company >Billings Ditch Implementation Project CT2022-XXXX	Rio Grande/Alamos a	\$171,000	0%	Fall 2021 - Fall 2022	0%	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. Bidding for contractor selection is taking place in November.

Not Under Contract SubTotal = \$90,296,000

Grand Total = \$334,466,571

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

LOAN REPAYMENT DELINQUENCY

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

Repayments due for Fiscal Year 2022 totaled 106. 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 \$23.5M for this year. Funds disbursed relative to new project loans totaled \$9.2M for this year. Net activity resulted in \$14.3M 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 \$4.7M in receivables and \$3.7M in disbursements for a total net activity of \$1M received over disbursed. The STPBF consists of \$18.8M in receivables and \$5.5M in disbursements for a total net activity of \$13.3M received over disbursed.

CONSTRUCTION FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July	\$ 607,340	\$ 273,708	\$ 881,048	\$ 572,695	\$ 308,354
August	\$ 400,916	\$ 224,277	\$ 625,193	\$ 20,973	\$ 604,220
September	\$ 1,568,570	\$ 578,559	\$ 2,147,130	\$ 2,513,291	\$ (366,161)
October	\$ 869,305	\$ 188,545	\$ 1,057,849	\$ 569,027	\$ 488,822
FY 2022 Totals	\$ 3,446,131	\$ 1,265,089	\$ 4,711,220	\$ 3,675,986	\$ 1,035,234

SEVERANCE TAX TRUST FUND PERPETUAL BASE ACCOUNT

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July	\$ 757,337	\$ 51,664	\$ 809,000	\$ 955,767	\$ (146,767)
August	\$ 880,919	\$ 1,083,636	\$ 1,964,554	\$ 1,407,159	\$ 557,396
September	\$ 5,642,601	\$ 1,109,255	\$ 6,751,855	\$ 1,166,005	\$ 5,585,850
October	\$ 7,924,603	\$ 1,346,847	\$ 9,271,450	\$ 1,962,915	\$ 7,308,535
FY 2022 Totals	\$ 15,205,459	\$ 3,591,402	\$ 18,796,861	\$ 5,491,846	\$ 13,305,014

GRAND TOTALS	\$ 18,651,590	\$ 4,856,491	\$ 23,508,081	\$ 9,167,832	\$ 14,340,248
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