



COLORADO

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

DIRECTOR'S REPORT

March 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
Alana Holdren

DATE: March 10-11, 2021

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

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~STATEWIDE~

CWCB SMALL FEASIBILITY STUDY GRANT FUND UPDATE:

New grant applications approved:

1. None

Previously approved grants in FY20/21:

1. Bear River Reservoir Company - Stillwater Reservoir No. 1 Rehabilitation (\$49,930)
2. Dave Miller Ditch Company - Ditch Piping (\$4,450)
3. Bergen Ditch Company - Polly A Deane Reservoir Rehabilitation (\$17,898)

Total funds approved for feasibility study grants in FY20/21: \$72,278

Urban Agriculture

The Colorado Water Conservation Board, in partnership with the Colorado Department of Local Affairs, WaterNow Alliance, and Western Resource Advocates, is launching a special research initiative to better understand the connections between urban agriculture and water management in the Intermountain West. The initiative, through a comprehensive literature review and stakeholder engagement, will assess whether urban agriculture can help provide green infrastructure benefits and promote water conservation, and if so, what policy actions can be taken at a local and state level to encourage urban agriculture as an approach to land use planning and water management, while also meeting community demands for local food. The research will also inform the development of the 2022 update to the Colorado Water Plan and represent one of the first opportunities in the country to recognize the role of urban agriculture/community gardening in state water planning.

(Alex Funk)

~COLORADO RIVER BASIN~

COLORADO RIVER WATER USE—

2021 Colorado River Storage as of February 16, 2021			
	Elevation (feet above mean sea level)	Storage (MAF)	Percent of Capacity
Lake Mead	1,087.17	10.614	41%
Lake Powell	3,573.78	9.416	39%
Total System Active Storage		27.136	46%
2020 Total Active Storage		31.109	52%

	Flow (MAF)	Percent of Average
Forecasted Unregulated Inflow into Powell (Forecasted Water Year 2021)	5.419	50%

Forecasted CY 2021 Lower Basin Consumptive Use		
State	Use (MAF)	Total (MAF)
Arizona	2.543	
California		
California Agricultural	3.394	
Metro. Water District	1.068	4.481
Other	0.018	
Nevada	0.260	7.283

*Note MAF = million acre-feet

Upper Colorado River Wild and Scenic Stakeholder Group—

On January 21, 2021, the Upper Colorado Wild and Scenic Stakeholder Group (SG) held its quarterly meeting. The SG discussed upcoming timeline and tasks, a new member process, and a permanent organizational structure. The SG is currently learning about different financial structures to support the group, including endowment funds. The SG also discussed several updates including on cooperative measures, developing a channel maintenance flow monitoring plan and other annual monitoring activities. The SG is making progress on its commitment to better understand the effects that peak flows have on channel maintenance functions and processes in the subject reaches of the Colorado River. The SG has retained a consultant to develop a channel maintenance flow monitoring plan to be completed before June 2021.

The Amended and Restated Management Plan was completed in June 2020 and includes final Outstandingly Remarkable Values indicators and Resources Guides related to recreational fishing and floatboating.

IMPLEMENTATION OF RIVER DISTRICT LEASE OF RUEDI WATER FOR ISF USE ON FRYINGPAN RIVER:

The CWCB's Water Lease Agreement with the Colorado River Water Conservation District (River District) was finalized and became effective on November 24, 2020 with a term beginning on January 1, 2021. Coordination among the CWCB, Colorado Parks and Wildlife (CPW), Roaring Fork Conservancy (RFC), River District, and Bureau of Reclamation (Reclamation) on the timing and rate of releases of leased water began on December 28, 2020 in response to observations of anchor ice formation on the lower Fryingpan River. In an effort to extend the time frame for providing leased water, CPW requested Reclamation to start releases on January 1, 2021 at rates to bring Fryingpan River flows up to 60 cfs, even though the ideal target rate is 70 cfs. Reclamation started releasing leased water on January 1 to maintain flows at the Fryingpan near Ruedi gage at 60 cfs. On January 6, CPW staff observed that the additional flows appeared to have reduced ice dams that had built up prior to the releases of leased water, and limited anchor ice formation in the channel. Releases of approximately 60 cfs continued

throughout January and most of February. After consultation with CPW and CWCB staff, Reclamation plans to ramp down releases in two increments on February 27 and 28, using the last of the 3,500 acre-feet of leased water.

~SOUTH PLATTE RIVER BASIN~

UPDATE ON CASE NO. 17CW3212 (Application of the City of Boulder, City of Lafayette, and the CWCB)

On February 11, 2021, the Division 1 Water Court entered a decree in this case and vacated the trial scheduled to begin on March 1, 2021. The decree confirms: (1) a water storage right held by the City of Boulder (“Boulder”) and the City of Lafayette for the Gross Reservoir Environmental Pool for the enlargement of Gross Reservoir; and (2) instream flow use by the CWCB on South Boulder Creek pursuant to a water delivery agreement between the City of Boulder and the CWCB. The City of Lafayette, Boulder, and the CWCB negotiated stipulations with seven opposers to the water court case.

In July 2019, the Board approved the acquisition of a contractual interest in Boulder’s storage releases, and the CWCB and Boulder entered into the water delivery agreement on September 9, 2019. The CWCB has two decreed instream flow rights on South Boulder Creek. This acquisition of an interest in water storage releases enables the CWCB to protect flows on South Boulder Creek above the decreed instream flow rates, and protect a reach of South Boulder Creek on which the Board has not appropriated an instream flow water right due to water availability issues.

The natural environment in South Boulder Creek supports a variety of plant and animal species, including a fishery for both cold-water and warm-water species. The fishery is comprised predominantly of brown trout, but also supports native and non-native fish species, such as rainbow trout, cutthroat rainbow trout hybrid, golden shiner, and bluegill. Native fish populations include longnose sucker, longnose dace, green sunfish, and plains topminnow. Additionally, South Boulder Creek is an important resource for the community because of its recreational and aesthetic values.

BEAR CREEK LAKE REALLOCATION – The Bear Creek Lake Reallocation Feasibility Study has been temporarily postponed. After signing the Cost Share Agreement with the Army Corps of Engineers, CWCB and Corps staff held the first Scoping Team meeting with key project stakeholders in October, 2019. It came to light that the Corps needed to conduct a Risk Assessment before moving forward on a feasibility study. Army Corps staff completed this preliminary Risk Assessment in late September 2020, and determined moving forward with a Reallocation Feasibility Study can occur. CWCB Staff has yet to lift the suspension as DWR’s Dam Safety team and the Corps have worked together on updating hydrology and methodology regarding in-flow design floods. The Corps has submitted a draft scope to their risk assessment team, and is anticipating approval of the new methodology. Once this methodology is approved and agreed upon by DWR and Corps staff, the Feasibility Study may resume in earnest. (*Erik Skeie, Lauren Ris*)

~SAN JUAN/DOLORES RIVER BASIN~

LOWER DOLORES PLAN WORKING GROUP UPDATE: The Lower Dolores Plan Working Group continues to conduct outreach and education on the draft National Conservation Area (NCA) legislation. The Four Corners Water Center at Fort Lewis College (FLC) has begun archiving the work done by the Group, particularly research and data related to native fish on the Dolores River. The Water Center also will coordinate with the Group on opportunities for students and scientists to work with the Native Fish Monitoring and Recommendation Team (M&R Team) on fish monitoring and other data collection and analyses linked to the Native Fish Implementation Plan.

In March 2020, the Native Fish M&R Team and researchers from FLC, Colorado Mesa University (CMU) and Rivers Edge West/Dolores Restoration Partnership participated in a workshop to advance long-term collaboration on monitoring strategies and deployments. As follow-up to the Workshop, participants are formulating the *Dolores River Adaptive Management Support Project* to support the development of a monitoring protocol that will cover both regularly scheduled annual monitoring and responsive monitoring in spill years. Monitoring will be performed by academic researchers, students, and Conservation Legacy's strike teams, and will include reporting of monitoring results, with data housed at Fort Lewis College.

A Water Supply Reserve Fund grant with in-kind and cash match provided by The Nature Conservancy, Dolores Water Conservancy District, RiversEdge West, Conservation Legacy, Dolores River Restoration Partnership, Colorado Parks and Wildlife, US Bureau of Reclamation, and Bureau of Land Management is the source of baseline funding for the monitoring protocol development, implementation of monitoring for four years, and reporting of results. Additional funding has been requested from other sources to support the development of the online data repository. Responsive monitoring in spill years will require more significant monitoring deployment funding to get researchers and students in the field during these periods of opportunity. Future funding will be needed to develop online decision tools to more effectively utilize monitoring data for adaptive management decisions.

The work of the Native Fish M&R Team, assisted by academic researchers, has taken root as an important part of the Wild and Scenic Alternative on the Lower Dolores River. Even though the NCA legislation continues to be a work in progress, the actions and strategies presented above reflect the intent of the draft legislation with regard to collaborative science-based monitoring and adaptive management for the protection of the native fish Wild and Scenic Outstandingly Remarkable Value.

~ SOUTHWEST RIVER BASIN ~

LiDAR AND SPECTROMETER SNOW DEPTH AND SNOW WATER EQUIVALENT – CWCB Staff has contracted Airborne Snow Observatories Inc. (ASO) to conduct aerial snow depth and snow water equivalent (SWE) surveys using airplane mounted LiDAR and spectrometer equipment. These surveys will be conducted at peak SWE in late March/early April, and in the spring melt period. The contract covers two areas, the Conejos basin in the Rio Grande, and upper elevations in the Southwest Basin. The data from the flights will be incorporated into NCAR's WRF-Hydro model to provide local stakeholders

with accurate bi-weekly streamflow forecasts. Forecast results will be provided to local water districts, DWR, and any stakeholders that request it.

CWCB Staff, ASO staff, and NCAR have been working with stakeholders in the Southwest Basin to refine geographic survey and modeling areas. There have been two virtual stakeholder meetings in the Southwest Basin, and ASO is working on a final flight plan. (*Erik Skeie, Andrew Rickert*)

~ WATER CONSERVATION AND DROUGHT PLANNING UPDATES ~

CWCB WATER EFFICIENCY GRANT FUND PROGRAM (WEGF) UPDATE:

No grant applications have been received since the January 2021 Director's Report

No grants have been approved since the January 2021 Director's Report

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

- **Western Resource Advocates** – Removing Barriers: Building Capacity to Implement Critical Water Conservation & Efficiency Programs – *75% Progress Report*
- **City of Westminster** – Residential Water Meter Replacement – *Final Report*

(Ben Wade)

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

DROUGHT MANAGEMENT PLANS

Approved Plans

No new plans have been approved since the last board meeting.

Drought Management Plans in review

- City of Durango

WATER EFFICIENCY PLANS

Approved Plans

No new plans have been approved since the January 2021 Board Meeting.

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

Conditional Approval

- **City of Lamar**
- **Sterling**
- **Arvada**
- **Meridian Metropolitan District**

Water Efficiency Plans in review

No plans in initial review at present time

(Kevin Reidy & Ben Wade)

GOVERNOR'S WATER AVAILABILITY TASK FORCE: A Joint Water Availability & Flood Task Force meeting will be held on March 18 from 9:00-12:00noon. Please check the website (<http://cwcb.state.co.us/public-information/flood-water-availability-task-forces/Pages/main.aspx>) for additional information. **(Ben Wade)**

CO WATER LOSS INITIATIVE: A non-reimbursable request was successful through HB 20-1403 for Phase II of the CO Water Loss Initiative. Kevin has submitted the scope of work and budget to procurement to start the RFP process for this second phase to continue Phase I work. **(Kevin Reidy)**

LAND/WATER PLANNING NEXUS:

- The latest round of applications for the Colorado Growing Water Smart Program (Sonoran Institute) closed on February 15, 2021. There are 8 applicants for this round with the workshop taking place in late May.

- 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 core team has been working on defining what the plan will cover and what goals the plan should address. The project sent out a community survey that will close in mid-January and the group is working on metrics and indicators for the project.
- The Water and Land Use Alliance will meet again on 4/14/21. CWCB staff is using this meeting as a workshop for water plan outreach on the water efficiency and land use sections of the water plan.
- Kevin is organizing a panel discussion for the Rocky Mountain Land Use Institute's annual conference. We will highlight different areas of the CWCB that touch land use and present on different areas where the water plan intersects with land use planning. Kevin, Kat Weismiller, Chris Sturm and Alex Funk will participate. **(Kevin Reidy)**

~WATERSHED AND FLOOD UPDATES~

Four Corners Radar Moving Forward as a Tier 1 Priority for Capital Development Committee

Gap-filling weather radar is still coming to the Four Corners! A presentation was made to the Capital Development Committee (CDC) on December 15th by CWCB staff and La Plata County staff, with assistance by CDOT. The presentation was in support of a grant request of \$300,000 from the CDC to augment an additional \$2.1M of funding already secured, along with an additional \$200,000 of contingent funding that will be provided if the CDC grant is awarded.

Staff was notified that the CDC liked the presentation and recommended that the grant request move forward with a Tier 1 funding recommendation. Although nothing is guaranteed, this is a good first step in making it over the finish line for this request. Final funding decisions should be available later in March or April.

The primary source of funding is a \$1.7M grant from the Colorado Department of Local Affairs, with numerous other smaller funders. The grant will last for two more years before it expires. Logistical considerations are still being considered in regards to site selection, power, road grading, etc.

(Kevin Houck)

CWCB to Review Flood Insurance Rate Map (FIRM) Revision Requests in Colorado for FEMA Risk MAP, under the Letter of Map Revision (LOMR) Review Partners Program

CWCB's new Cooperating Technical Partners (CTP) program to review and process Flood Insurance Rate Map (FIRM) revision requests for the State of Colorado (outside the Mile High Flood District) on behalf of the Federal Emergency Management Agency (FEMA), will officially begin on March 22, 2021. The FY20 grant from FEMA awards us \$670,000, and we are working closely with FEMA and our Contractors

on preparations to implement this program next month. More updates on the program's first steps will be available soon.

March 2021 Risk MAP Project Updates by Major Water Basin

North Platte – No work being conducted in this area.

South Platte – Park, Jefferson, Gilpin, Boulder, Larimer, Weld, Morgan, Washington, Sedgwick, and Logan Counties have ongoing studies (though some are managed/led by the Mile High Flood District, or MHFD):

- Weld County: The 90-day Appeal Periods are starting February 23, 24, and 25, depending on the community. We expect appeals to be submitted for several jurisdictions.
- CHAMP Physical Map Revision, Phases 1-2: The CWCB was able to leverage \$929,729 from FEMA to continue CHAMP through the FEMA regulatory process. This study involves analyzing streams across seven counties in central and northeast Colorado and will include 233 FIRM panel updates. The remaining counties being studied include Boulder, Gilpin, Weld, and Larimer.
 - o Boulder County: The second appeal periods for the study began on February 3 and 4, depending on community. We expect new appeals to be submitted for several jurisdictions.
 - o Larimer County, Cache la Poudre additional studies, and Big Thompson River study: Larimer County preliminary mapping was distributed January 26, 2021. Communities are given a 30-day period to review and comment on the mapping.
- The St. Vrain Risk Map phase 3: Project continues from its original funding in FY16. Gilpin County's appeal period began on December 24, 2020 and will last for 90 days. This appeal period will end on March 24, 2021, and no appeals have been received to date.
- Elbert and Park Counties Base Level Engineering (BLE): BLE is a wide scale, automated approach to analyzing flood risk order to provide communities with an initial overview of the hazard at the local level, but it is not a regulatory product.
 - o Elbert County: Hydrology being worked on.
 - o Park County: Hydraulic modeling setup underway.

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

- Mesa County Phase 2: Will submit Colorado River hydraulics with the countywide submittal, which is being funded using FY20 monies. Working on countywide survey processing.

- Flood Risk Information System (Mesa County): Developed solutions to several of the action items such as adding a disclaimer, identifying critical facilities and modifying the information pop-up to be more descriptive. Investigating options for rural agricultural flood damage, incorporation of all the Flood Risk analysis grids, and developing user instructions.
- Grand Junction Levee (Mesa County): Coordinating with the City to obtain local reports, levee operations documents, etc. Levee walk/in person assessments to likely take place in early March.
- Eagle County Physical Map Revision Phases 2-3: Floodplain mapping submittal was approved by FEMA, and study is moving forward with preliminary digital FIRM (DFIRM) preparation.
- Garfield County Phase 2-3: The project had been on hold pending resolution of some hydraulic data tie-in issues with older flood risk information. We met with Garfield County, FEMA and our Contractor to identify additional priority areas for updated flood hazard information. These additional updated flood risk areas will address the previous data source tie-in issues, and provide updated flood hazard information for informed decision making in areas of concern. The updated information is particularly critical for post fire efforts. We are currently coordinating with FEMA staff to amend our existing grants and obtain additional funding to complete this effort.

Gunnison/Uncompahgre – Delta, Gunnison, Hinsdale, San Miguel, and Ouray Counties have ongoing studies:

- Delta County Phase 2-3. Hydraulics and floodplain mapping almost complete. A flood risk review meeting will be scheduled in March to go over draft mapping and risk information.
- Upper Gunnison 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. The Gunnison Physical Map Revision process is being covered by FEMA FY19 funds.
 - o Hinsdale County: Floodplain mapping was submitted to FEMA in late January, and is awaiting approval. Preliminary DFIRM distribution will follow.
 - o Gunnison County: Gunnison River hydraulics analysis on hold due to complicated hydraulic conditions and numerous hydraulic structures along the stream. The Contractor is wanting to perform hydraulic modeling with the new HEC-RAS version 6.0. While a current beta version may be used to assess the modeling benefits, the final version is expected to be released in early Spring 2021.

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

- Rio Grande River hydrology: We are still waiting on FEMA approval of the hydrology Conditional Letter of Map Revision (CLOMR). This CLOMR will allow the hydrology update to be used as the

new official source of hydrology data for future studies within this basin. Project is almost complete.

- City of Alamosa levee: The 2 foot freeboard guidance has been deemed acceptable and the final reporting is anticipated for March 2021. This will complete the project as scoped, but more follow up work may be requested using FY21 funds.
- Costilla County: The DFIRM database for preliminary mapping distribution are being developed.
- Mineral County: New 2D modeling and floodplain mapping to be performed using the newest LiDAR data products. Our contractor is working with the FEMA review team to determine whether supercritical flow can be used, for the purpose of submitting a LOMR under the current contract/project.

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

- Arkansas River Physical Map Revision: Floodplain mapping will be incorporated into the individual countywide studies for Lake, Chaffee, Fremont, Bent, and Otero. Prowers County floodplain mapping has been approved, and phases 3-4 are being continued with a new Contractor.
- Lake and Chaffee BLE: Lake County's Base Level Engineering (BLE) hydraulic analysis is complete and will be submitted for FEMA approval soon. Chaffee County's BLE progress is at about 80% complete.
- Custer and Fremont BLE: BLE modeling is about 55% complete. The BLE review meetings will take place around Spring/Summer of 2021.
- Huerfano BLE: Finalizing mapping. Engineering complete. Will hold Discovery meeting on February 26, 2021, prior to submitting mapping to FEMA for review.
- Bent and Otero BLE, and CHAMP 3 Phase 2 projects: Bent/Otero Zona A upscaling being performed alongside the 2D BLE effort. Anticipating a Flood Risk Review meeting in Spring of 2021. BLE modeling is about 55% complete, and it's waiting on inflows for the Las Animas County areas.
- Las Animas (Bent County) Pre-Levee: Levee walk will likely take place early March. Currently obtaining as-built data and information from the USACE.
- Granada/Holly (Prowers County) Pre-Levee: Meetings held with communities in January. Signed MOAs received from Lamar, Holly, and Granada. Communities have 30 days to review data, then follow up call is offered to go over questions or concerns.
- Prowers and Las Animas BLE projects: We held meetings with the *Prowers County* BLE communities to provide specific modeling domains and spatial files. Wiley requested and

received map screenshots. 30 day community review also started. Looking at March for submitting modeling data to FEMA for review. For *Las Animas County* BLE, we are working on domain setup and breakline delineation (after hydrology was completed). HEC-RAS 6.0 would be ideal to use for this study. Call with FEMA, CWCB, and contractors held late January regarding HEC-RAS version 6.0. Our Contractor is hoping to use the HEC-RAS 6.0 beta version for now, and plan to update the modeling when final HEC-RAS 6.0 becomes available. They will then submit the hydraulic modeling to FEMA for review. The communities could sign an MOA agreeing that the modeling data is subject to change if the initial analysis is performed with the beta version of the software.

- El Paso BLE/Phase 2 and Templeton Gap (T-Gap) pre-levee work: Original work in El Paso County was funded in 2014, but continues through FY19 and FY20 funds. Narrowed down streams for most communities except City of Colorado Springs and part of El Paso County. Incomplete supporting documentation for previous local studies are causing delays. Currently waiting for communities to provide feedback on the final stream scoping effort. Surveyors already doing collecting required data across the County.
- Teller County BLE/Phase 2: Contractor is moving forward with hydraulic modeling. Discovery submittal comments from the FEMA reviewer are being addressed.

Yampa/White – Rio Blanco, Routt, and Moffat Counties have ongoing studies:

- Upper Yampa River hydrology: We are waiting on FEMA approval for the submitted hydrology Conditional Letter of Map Revision (CLOMR).
- Upper White Watershed/Rio Blanco County Additional Studies: The 90-day appeal period ended January 27, 2021. No appeals received. Moving into final reviews and towards LFD.

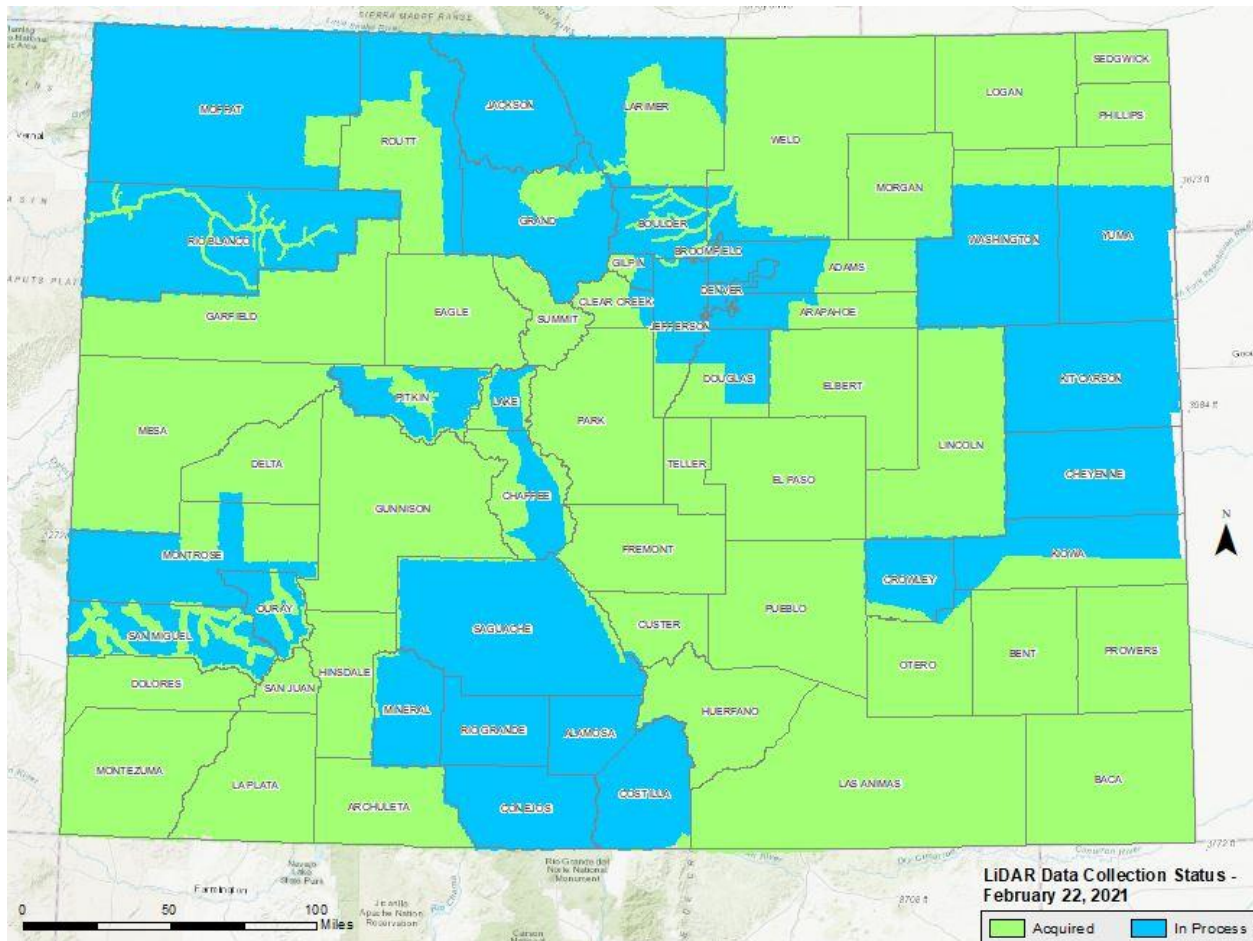
San Miguel/Dolores/Animas/San Juan – La Plata, Montezuma, Archuleta, and San Juan Counties, along with the Southern Ute Tribe, have ongoing studies:

- Animas Watershed Phases 2-3: San Juan and Archuleta went preliminary on January 18, 2021. La Plata's database released on February 10, 2021. The Southern Ute Indian Tribe (SUIT) would like additional guidance on potentially joining the NFIP, and corresponding implications. The Consultation Coordination Officer (CCO) and Public Meetings will be held mid-March for all communities. While most still virtual, some communities are requesting in person meetings with at least a few CWCB and Contractor staff.
- Southwest Colorado (Montezuma, Dolores, San Juan, La Plata, Archuleta, Hinsdale, and Mineral Counties) BLE: Remaining topographic data products are on file for entire region. Some data errors/gaps being addressed with USGS and their Contractor, which is slightly delaying our processing timeframe.

Multi-Watershed Risk Map Projects:

- CHAMP 3 Phase 2 (also see: Arkansas projects, and the Rio Grande River hydrology work for related information): Bent and Otero Counties addressed under the Arkansas Basin projects. Costilla County addressed under the Rio Grande Basin. *Ouray County* Flood Risk Review (FRR) meeting took place January 28, 2021, and floodplain mapping will be submitted shortly after the 30-day review/comment period (i.e. by mid-March). *San Miguel County* FRR meeting was on January 13, 2021 and comments came in from Telluride on the draft floodplain mapping. Looking towards March for data submittal to FEMA.
- CHAMP 3 Phase 3 (also see: Rio Grande River projects): Mineral County addressed under the Rio Grande Basin. *Moffat County*/City of Craig hydraulics are underway and we expect a July 2021 data submittal to FEMA. *Lincoln County* Held FRR December 17, 2020. Minimal comments received. Finalizing engineering, and going with 2D floodways. *Phillips County* hydraulics finalized and submitted to FEMA for review.
- 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.
 - o The 2016 grant money was used to leverage an additional \$1 million from the USGS to supplement a late spring 2018 LiDAR acquisition in Eastern Colorado. This data has been collected and final deliverables are now available by request on the Colorado Hazard Mapping website (www.coloradohazardmapping.com). The FY18 grant funded LiDAR in northeastern and southeastern corners of Colorado. Other LiDAR collection tasks that were recently completed included the Southwest CO data collection, led by the USGS, although some data accuracy issues and gaps were identified recently and are being worked out with the USGS and their LiDAR flight contractor. The rest of the state LiDAR is currently being acquired and going through final QA-QC through 2021. This will also include the DRCOG LiDAR project (for the Denver Metro Area data collection).
 - o DRCOG area LiDAR going through QA-QC. Some preliminary data available already but finalized products will be ready mid-2021.
 - o Rest of Colorado funded for LiDAR data (including Northwest CO, San Luis Valley/San Miguel/Pitkin County area, and Eastern CO plains). More information to come soon.
 - o Preliminary Digital Elevation Models (DEMs) were provided by the USGS for post fire recovery and mitigation efforts in the East Troublesome fire area (Grand County), and the Cameron Peak Fire boundary (Larimer County). Final products still not available.

Below is a map of the most recent status for LiDAR data acquired in Colorado (as of 2/2021):



(Terri Fead and Marta Blanco Castano)

Post-fire Soil Erosion FAQ

The CWCB and its consultant team led by Enginuity Engineering Solutions and Round River Design have completed a literature review of post fire soil erosion. The document is entitled, “What to Expect After a Wildfire, Frequently Asked Questions About Soil Erosion and Impacts to Water Resources and Infrastructure”. The document is available in the [CWCB Watershed Protection and Restoration Page](#) under Disaster Recovery Resources. It is also directly linked [here](#).

The document provides a high-level summary of recent literature from post-wildfire studies in Colorado and provides answers to some common stakeholder questions. It discusses topics such as:

- Post-wildfire impacts on streams and reservoirs
- Longevity of post-wildfire impacts
- Hillslope Erosion
- Sediment transport
- Post-wildfire flooding
- Physical changes to stream channels
- Actions to mitigate erosion and flooding

The document concludes with a description of post-wildfire assistance provided by the CWCB. The CWCB has readily deployed resources for post-wildfire and flood analysis, planning, and project prioritization. Technical assistance resources that can be provided include:

- Review of emergency designs and projects by a team of multi-disciplined professionals including experts in engineering, geomorphology, vegetation, ecology, and biology.
- Data Collection and Baseline Conditions Assessment.
- Identifying where additional data and/or evaluations are needed to support decision making.
- Pre and post-burn hydrology and evaluation of changes by scale (HEC-HMS, GSSHA, etc.).
- Post-burn hydraulics (basin-wide) to determine flood risk (HEC-RAS 1D and 2D or RiverFlow2D). This analysis can include the addition of bulking factors to account for sediment and debris loading.
- Fluvial hazard zone delineation and assessing geomorphic risk.
- Sediment and debris flow modeling (FLO-2D and USFS and USGS methodologies).
- Assistance with identification of values at risk and project/area prioritization.
- Detailed Damage Survey Report (DSR) support with NRCS.
- Flood warning support including correlation to hydrology, hydraulics, and Fluvial Hazard Zone mapping.
- Watershed recovery plan development; technical analysis, prioritization, concept design, and implementation recommendations.

(Chris Sturm)

Colorado Water Plan Grant Story Map and Other Mapping Efforts

With the latest round of Colorado Water Plan grants approved, staff have been working to refine our Colorado Water Plan grant shapefile. Information that has been added to the attribute table include whether each project has received other CWCB funding, specifically from the Colorado Watershed Restoration Program or the Water Supply Reserve Fund, and how much from each source. Staff have also added the classification(s) of each project, i.e. whether it's a study, design, construction, etc. Also, included in the attribute table are links to final reports for those projects that have been completed.

Comments have been received from other Water Plan grant managers on the first draft of the StoryMap and those comments are being incorporated into a final version that will be available to the public. Comments include incorporating language from the Colorado Water Plan Technical Update to ensure consistency.

The Colorado Water Plan grant shapefile will eventually be overlayed with a shapefile of Stream Management Plans/Integrated Watershed Management Plans and with a shapefile of Focus Areas that will help inform areas of prioritization for the upcoming Colorado Water Plan update. These will also be integrated into a StoryMap to be presented to Basin Roundtables in early April for discussion.

(Andrea Harbin Monahan)

Federal Disaster Declaration, Colorado Wildfires DR-4581-CO: NFIP Post-Fire Flood Team

On January 15, 2021, President Trump approved a major disaster declaration for Colorado in response to the 2020 wildfires that impacted Larimer and Grand counties. Declaration DR-4581 will provide federal disaster assistance to supplement state and local recovery efforts. Federal funding is available to state and eligible local governments and certain nonprofit organizations for emergency work and the repair or replacement of wildfire damaged facilities in Larimer and Grand counties as well as hazard mitigation measures statewide.

The CO Division of Homeland Security and Emergency Management has stood up an operations team to coordinate the state's activities in regards to DR-4581. CWCB will be represented on this team by the CAP NFIP Coordinator (Doug Mahan) as a member of the Community Education & Outreach sub-team. Additionally, the Community Education & Outreach Team will be made up of personnel from the Colorado Department of Public Safety and FEMA Region VIII and will fall under the purview of CO State Hazard Mitigation Officer Steve Board and Matt Buddie from FEMA Region VIII. The goal of the team will be to inform residents throughout the state about wildfire/post-wildfire risk and available assistance programs. Weekly all-hands coordination meetings are being held with meetings of task-specific team members taking place in the interim.

Flood After Fire (FAF) information and education is expected to be a key component of the state's outreach efforts. These efforts are planned to include webinars aimed at various population groups (general public, contractors, local governments, etc.), press releases, social media activities, partnerships with agency groups such as fire agencies, alert & advisory warning system messaging, and distribution of print media to public (and possibly private) sector locations. It is expected this will be a months-long commitment of this office.

(Doug Mahan)

~WATER PLAN & BASIN IMPLEMENTATION PLAN UPDATE~

The Colorado Water Plan Update is moving forward as presented at the January 2021 board meeting. Staff had considered returning to present to the board in March but, to save the board's time and because the status has not significantly changed, this write-up is being provided instead.

[The January 27, 2020 Riverside Chat](#) which shared Director Mitchell and CWCB staff thoughts on the Water Plan update process was a success. It was attended by approximately 400 stakeholders and viewed on our CWCB YouTube channel over 100 times in the last month. Feedback from the meeting was positive with appreciation going to the openness and transparency. Stakeholders have been providing feedback to the Colorado Water Conservation Board (CWCB) staff through emails, meetings as well as through the engagecwcb.org website.

The engagecwcb.org website has received almost 600 visits since the Riverside Chat event. On the website, stakeholders are invited to take a survey and can provide feedback on a series of 5 one-page information sheets describing ideas around various aspects of the update. Of those who took the survey, the majority have said they find the information sheets are reflective of what they think need to be covered in the update. Some of had additional comments and staff will continue to gather feedback

from a variety of sources over the next few months.

On June 8, 2020, CWCB staff plan to hold a follow-up to the Riverside Chat that will speak to input that's been received and talk about how input will be used and documented. Staff will also discuss results from some of the [upcoming workshops and meetings](#) that are being held in March, April and May. Details on meeting dates and times can be found on the "Update Status" page on engagecwcw.org or on the CWCB website calendar.

Before CWCB staff start drafting the Water Plan update, they will report-out to the CWCB Board at the upcoming July Board meeting with a progress report on feedback received and the path forward. At that board meeting, staff can also provide an update of the Basin Implementation Plan (BIP) Update effort as the basins will have submitted their final updates in June. After the July Board meeting, the BIPs will also be going through a series of reviews including a public comment period in late 2021.

The draft Water Plan update will be something staff actively work on through the end of 2021 and into early 2022. It is expected that in the first quarter of 2022, the CWCB Board will have time to review initial draft materials in more depth. The first draft of the Colorado Water Plan update is expected to be out for public comment in the second quarter of 2022. Comments will be addressed and the final update will be completed by the end of that year.

This Water Plan update will set the tone and scope for all future updates of the plan. As such, staff are working hard to strike the right precedent for how the update process can be increasingly streamlined and actionable. The update will focus on the work that can be undertaken over the next 5-7 years with the idea that the next Water Plan update will land on the 8th year in 2030. The timing of the update cycle has the benefit of being close to the average of other state Water Plan updates and is also responsive to stakeholder and board feedback about the need to build time for implementation between planning updates.

(Russ Sands)

~INSTREAM FLOW ATTACHMENTS~

- 01 Instream Flow and Natural Lake Level Program Summary of Resolved Opposition Cases
- 02 Stream and Lake Protection Section De Minimis Cases

~LOAN PROGRAM ATTACHMENTS~

- 01 Water Project Loan Program Interest Rates
- 02 Prequalified Project List and Loan Prospect Summary
- 03 Design and Construction Status Report
- 04 Loan Repayment Delinquency Report
- 05 Construction Fund, Special Funds and Severance Tax Funds Non-Reimbursable Investments Status Report Fiscal Year 2020-2021

**March 10-11, 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) obtained an agreement via a letter-in-lieu of filing a statement of opposition in five cases; and (B) for five other cases, sent courtesy notice letters to the Applicants and/or the Division Engineer's Office to point out potential exemptions pursuant to §§37-92-102(3)(b) and 37-92-502(2)(c) C.R.S. (2021).

A. LETTERS-IN-LIEU

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

(1) Case No. 20CW3199 (Water Division 1) - Application of The City of Brighton

During the December 2020 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. 78-W-9264 on Duck Creek and 84CW0648 on Buffalo Creek. This case was resolved with CWCB by a letter agreement, dated February 24, 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.

- Applicant has agreed to Include monthly volumetric limits similar to those provided in section 15 of its previous decree in which CWCB was a party in Case No. 09CW144.
- Applicant has also agreed to include the stipulated language in paragraph 15.6 of the 09CW144 decree, as follows:
 - "Duck Lake and Wellington Reservoir Storage. Nothing herein shall be construed to change the place of storage of the water rights decreed for storage in Duck Lake or Wellington Reservoir, or to change those storage rights to direct flow; provided, however, that Applicant shall be entitled to releases of its pro-rata entitlement of water stored in Duck Lake and/or Wellington Reservoir for subsequent diversion into the Burlington Ditch. Releases of Applicant's pro-rata entitlement out of Duck Lake shall be made when releases of other Burlington shareholders' entitlements are being made. Releases of Applicant's pro-rata entitlement out of Wellington Reservoir may be made for diversion into the Burlington Ditch."

(2) Case No. 20CW3086 (Water Division 2) - Application of David Smith and Mai-Lan Huynh

During the December 2020 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case No. W-4271(1975) on Lake Creek. This case was resolved with CWCB by a letter agreement, dated February 9, 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.

- "Augmentation replacements, including to the CWCB instream flow water right on Lake Creek decreed in Case No. W-4271, will be made from a location upstream of the calling water right. To the extent that Applicants lack sufficient augmentation supplies at the appropriate location to replace out of priority depletions, Applicants will curtail all out-of-priority storage in the pond and allow its level to drop commensurate with evaporation of water stored out of priority."

(3) Case No. 20CW3150 (Water Division 5) - Application of Roaring Fork Fire Rescue Authority

During the November 2020 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. W-2939 (1976) on West Sopris Creek, W-2951(1976) on Sopris Creek, and 85CW639 on the Roaring Fork River. This case was resolved with CWCB by a letter agreement, dated January 26, 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.

- Applicant agrees to label the direct flow use as "augmentation via storage in the RFFPA Tank".
- Applicant will add CWCB's ISF in the local call paragraph, as follows:

"15. D. Local call: In the event of a local call, including a CWCB call for its instream flow right, on Sopris Creek, Applicant will replace depletions from the RFFRA Well with releases from the RFFRA Tank, as described above, back to the unnamed tributary of West Sopris Creek, through a pipeline to prevent any transit losses, in sufficient amounts to offset indoor depletions. All outdoor irrigation from the RFFRA Pump & Pipeline will be curtailed during a valid local call."

(4) Case No. 20CW3168 (Water Division 5) - Application of James J. Eck Dynasty Trust and Louann R. Benbow

During the December 2020 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. . This case was resolved with CWCB by a letter agreement, dated February 24, 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.

- “When the CWCB’s instream flow water rights on the Eagle River, decreed in Case Nos. 80CW124 and 80CW126, are unmet and being administered, water stored in Eagle Park Reservoir will be released to replace out-of-priority depletions resulting from the exercise of the Subject Water Rights. Additionally, aggregated releases should not be utilized as a replacement method at times when replacements are being made to the CWCB’s instream flow water rights.”

(5) Case No. 20CW3179 (Water Division 5) - Application of LVJ Properties, LLC

During the December 2020 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case No. 79CW0363 on Egeria Creek. This case was resolved with CWCB by a letter agreement, dated February 12, 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 Application does not seek approval of a point of diversion different from the point at which the Royal Flush Ditch has historically diverted; rather, it seeks only to change the *description* of that point. Therefore, the Application does not seek “a change of point of diversion from below or within a stream reach for which there is ... a decreed in-stream flow right to an upstream location within or above that reach.” C.R.S §37-92-305(3.5)(a)(II).”

B. LETTER to APPLICANT and Division Engineer’s Office - NO OTHER ACTION TAKEN

CWCB staff sent letters to the Applicants and/or the Division Engineer’s Office (“DEO”) in the following cases, for the purpose of notifying the Applicant and the DEO that some of the claimed water rights might qualify for C.R.S §37-92-102(3)(b) exemptions to priority water rights administration against some of CWCB’s instream flow water rights.

(1) Case No. 20CW3197 (Water Division 1) - Application of City of Idaho Springs

During the December 2020 Water Court Resume Review, CWCB Staff sent a courtesy notice letter to Applicant with a copy to the DEO.

The letter states the following:

“The Colorado Water Conservation Board (CWCB) reviewed this case in the water court resume, and is providing a courtesy notice that use of the water right claimed in this case appears to have been occurring at the time of the appropriation of the downstream instream flow water rights. While the water right and augmentation by exchange will be administered in priority related to other water rights, the water use related to the instream flow water rights appears to qualify for an exemption under 37-92-102(3)(b) and 37-92-502(2)(c) C.R.S. (2021), in the amount confirmed by the Division of Water Resources’ State and Division Engineers (DWR).

In this case, CWCB staff has confirmed with the DWR water commissioner that the augmented uses claimed in this application were occurring at the time of the CWCB instream flow water right appropriations in Case Nos. 87CW274 and 87CW275. Therefore, pursuant to 37-92-102(3)(b) and 37-92-502(2)(c) C.R.S. (2021), these CWCB water rights are “subject to the present uses or exchanges of water being made by other water users.”

To confirm this existing use and to aid with administration for this case, CWCB staff offers the following language that may be included in any final decree entered in this case:

“Diversions by the Blue Ditch and Pipeline up to the rate of 0.7 cfs for the claimed uses were occurring at the time of appropriation of the CWCB’s instream flow water rights on Soda Creek decreed in Case Nos. 87CW274 and 87CW275. Pursuant to 37-92-102(3)(b) C.R.S., Blue Ditch and Pipeline operations may continue in their historical manner when the instream flow water rights decreed in Case Nos. 87CW274 or 87CW275 are being administered.”

(2) Case No. 20CW0010 (Water Division 2) - Application of Alfred G. Webster and Leanna Mahuka

During the November 2020 Water Court Resume Review, CWCB staff sent a courtesy notice to the DEO with a question regarding an apparent futile call claim against CWCB’s instream flow water rights decreed in Case Nos. 04CW0080, 04CW0081, and 95CW0231 on Currant Creek, and 04CW0087 on Thirtyone Mile Creek.

The notice states the following:

“In 20CW10, a pro se case, we see a claim that this very very small spring (1gpm) appears to expect to be administered “futile to a downstream call.” CWCB holds a water right on Thirtyone Mile creek. We are wondering about the status of a “futile call” situation here, and whether it is appropriate to have such language in a decree.”

(3) Case No. 20CW0011 (Water Division 2) - Application of Gwendolyn B. Champion

During the November 2020 Water Court Resume Review, CWCB staff sent a courtesy notice to the DEO identifying a potential exemption for priority administration against CWCB’s instream

flow water right decreed in Case No. W-4662(1977) on Chalk Creek, pursuant to C.R.S §37-92-102(3)(b).

The notice states the following:

“Case No. 2-20CW11 is a pro se diligence case, but might have a 102-3-b component to it with respect to an ISF call on Chalk Creek. CWCB would be happy to coordinate with your office to include any 102-3-b language in the decree to aid in administration decisions, as appropriate.”

(4) Case No. 20CW3087 (Water Division 4) - Application of LK Colorado Ranch LLC

During the November 2020 Water Court Resume Review, CWCB staff sent a courtesy notice to the DEO identifying a potential exemption for priority administration against CWCB's instream flow water right decreed in Case No. 98CW0216 on South Beaver Creek, pursuant to C.R.S §37-92-102(3)(b).

The notice states the following:

“This recently filed case contains a very very small claim for a spring (1gpm). The claim includes a beneficial use of prior to 1995, this would be a 102-3-b exception to an ISF call on S. Beaver Creek. We are wondering how Division 4 plans to handle this case with regard to 102-3-b, and if CWCB can do anything to help.”

(5) Case No. 20CW3056 (Water Division 6) - Application of United States of America

During the December 2020 Water Court Resume Review, CWCB staff sent a courtesy notice to the DEO identifying a potential exemption for priority administration against CWCB's instream flow water right, pursuant to C.R.S §37-92-102(3)(b).

The notice states the following:

“CWCB staff noticed a few cases in the December resume that have potential 102(3)(b) allowances against an ISF call. We would like your help to include 102(3)(b) language for one of the decrees. This is for USFS' filing in Case No. 6-20CW3056 for 39 surface water and storage rights, some of which would qualify for 102(3)(b) allowances.”

**Director's Report Attachment - March 10-11, 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
20CW3202	1	RandK, LLC. Mountain Mutual Reservoir Company and North Fork Associates, LLC	Elk Creek/ 84CW646	5 (1/1 - 12/31)	0.00030 0.00030	0.46926 0.39940	11
20CW3078	2	Petra Construction Co.	Halfmoon Creek/ 77W4645	7 (1/1 - 12/31)	0.02030 0.00870	0.08700 0.06340	4
20CW3078	2	Petra Construction Co.	Lake Fork Creek/ 77W4655	20 (1/1 - 12/31)	0.00710 0.00300	0.01860 0.00755	3



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**Colorado Water
Conservation Board**

Department of Natural Resources

1313 Sherman Street
Denver, CO 80203

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

Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Rebecca Mitchell, CWCB Director

TO: Colorado Water Conservation Board Members

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

Board Meeting: March 10-11, 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
- 1.50% - Low-income Municipal
- 1.75% - 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.





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Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Rebecca Mitchell, CWCB Director

TO: Colorado Water Conservation Board Members

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

DATE: March 10-11, 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
Roxborough Water & Sanitation District	Reservoir Rehabilitation	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
Subtotal		\$2,769,050,000



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
Empire Lodge HOA	Water Rights Purchase	\$700,000
Lower Arkansas WCD	New Storage Account	TBD
Donala Water and Sanitation District	Ditch Construction	TBD
City of Colorado Springs	Irrigation System Improvements	\$3,500,000
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
Subtotal		\$22,500,000
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
Ratliff and Root Ditch Company (‡)	Ditch Piping Project	\$1,000,000
Subtotal		\$20,000,000
Colorado		
Town of Breckenridge (*, ‡)	Goose Pasture Tarn Dam	\$10,000,000
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
Perry Ranch	Taponas Project Phase 1	\$75,000
Gunther Covers	Christenson Dam	TBD
Town of Minturn	New Well Field	\$5,220,000
Subtotal		\$15,995,000



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
Subtotal		\$2,100,000
North Platte		
Colorado Parks and Wildlife (*)	North Michigan Creek Reservoir	\$6,000,000
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
Town of Center	Water Meter Project	\$200,000
San Luis Valley WCD (†)	Shaw Reservoir Purchase	TBD
Colorado Parks and Wildlife	Alberta Park Dam Rehabilitation	\$4,000,000
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
Subtotal		\$105,600,000





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To: Colorado Water Conservation Board Members

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

Board Meeting: March 10-11, 2021 Board Meeting

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

The CWCB Loan Program has Substantially Completed (10) projects in Fiscal Year 2020 - 2021 as shown in Table 1. There are currently (46) projects authorized to receive loan funding totaling \$386 million. There are (38) projects currently under contract and in the Design/Construction phase totaling \$278 million. The attached spreadsheet summarizes the status of all loan projects. A detailed description about each project is provided under Water Project Loan Program on the CWCB website

cwcbl.colorado.gov/loans-grants/water-project-loan-program

TABLE 1

	Borrower	Project	County	Loan Amount	Complete
1	Lower Arkansas Water Management Association	West Farm Gravel Pit Storage Purchase	Prowers	\$3,556,598	7/1/2020 (a)
2	Firestone, Town of	Storage Development & Water Rights Purchase	Weld	\$5,964,859	7/1/2020 (b)
3	CCWCD, Well Augmentation Subdistrict	Shores Lake Pond C Infrastructure Improvement	Weld	\$2,367,440	8/1/2020 (c)
4	Centennial Irrigating Ditch Co	Centennial Diversion Replacement	Rio Grande	229,060	8/1/2020
5	Missouri Heights Mountain Meadow Irrigation Company	Ditch Piping Phase B	Garfield	\$178,971	8/1/2020
6	Orchard Ranch Ditch Company	Orchard Ranch Ditch Pipe Project	Delta	\$136,677	9/1/2020
7	Schneider Ditch Company	Diversion Structure Replacement	Logan	\$1,161,902	10/1/2020
8	Den SE WSD dba Pinery W&WD	WISE Project DIA Connection	Douglas/Arapahoe	\$280,235	11/1/20
9	Central Colorado Water Conservancy District	Chatfield Reallocation Project - First Cost of Storage Contract	Arapahoe / Douglas / Park / Weld	\$3,187,560	2/1/21
10	Left Hand Water District	Participation in Southern Water Supply Project II	Broomfield / Weld	\$10,000,000	2/1/21
			Total	\$27,063,303	

Fiscal Year 2020 - 2021 has added and preserved 7,275 acre-feet of reservoir storage; (a) 1,683; (b) 1,092; (c) 4,500





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Colorado Water
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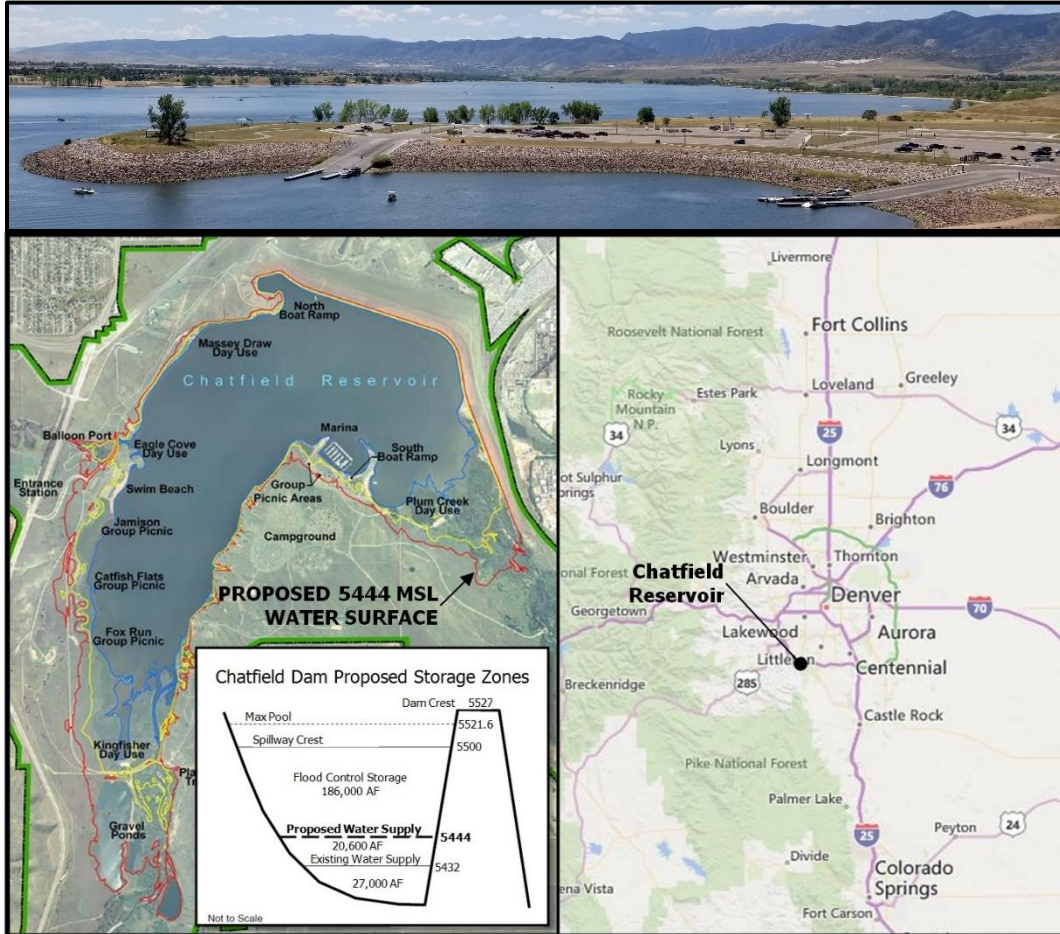
Department of Natural Resources

Chatfield Reallocation Project

First Cost of Storage Contract

Central Colorado Water Conservancy District

Substantially Complete February 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 has been approved for a total of \$29,999,929 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 particular contract is for the District's proportional obligation of 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		
<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) \$3,187,560.00 (Final) \$3,187,560.00		
<i>Design Engineer:</i> Various		
<i>Contractor:</i> Various		



COLORADO

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Participation in Southern Water Supply Pipeline II

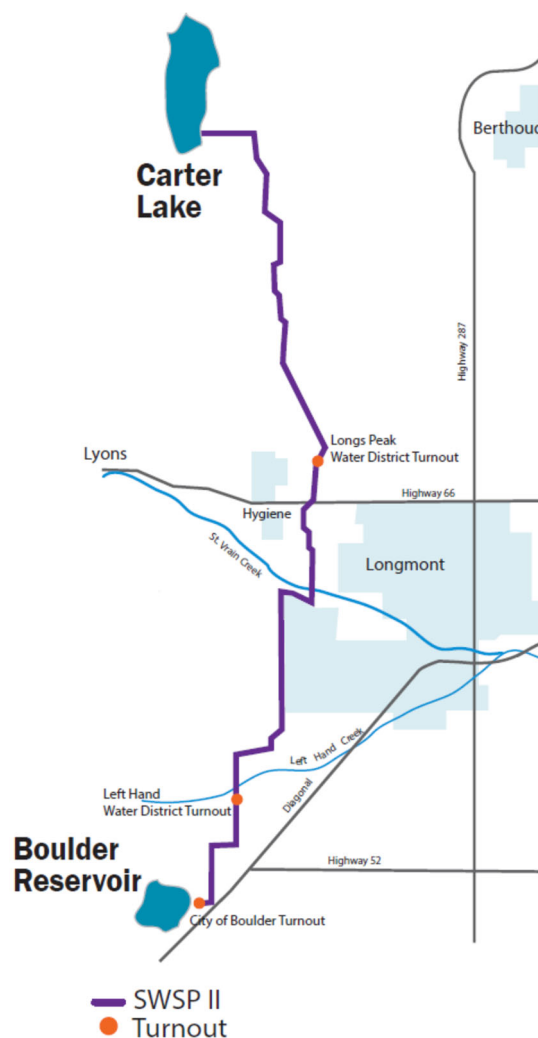
Left Hand Water District
Substantially Complete February 1, 2021



Pipe Installation



Reclamation



Project Description

The Southern Water Supply Pipeline II (SWSP II) is a 20-mile pipeline connecting Carter Lake to Boulder Reservoir. The pipeline delivers raw water for municipal use to Left Hand Water District, Longs Peak Water District, and the City of Boulder. The Left Hand Water District (Borrower) uses the new supply to provide potable water to serve approximately 20,000 people within a 108 square mile service area within unincorporated area of Boulder and Larimer Counties. The water supply is delivered to the District's Spurgeon and Dodd Water Treatment Plants year-round and bolsters their existing supplies. The District's participation in the project cost about \$10.7 million, the majority of which was covered by their loan.

P R O J E C T D A T A		
<i>Sponsor:</i> Left Hand Water District	<i>County:</i> Broomfield, Weld	<i>Water Source:</i> Carter Lake
<i>Type of Loan:</i> Municipal Water Supply System New		<i>Board Approval Date:</i> September 2017
<i>Loan Terms:</i> 2.75% for 20 years (Original) \$10,000,000		(Final) \$10,000,000
<i>Design Engineer:</i> Dewberry Engineering		
<i>Contractor:</i> Garney Construction		

	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 2022	5%	RP	CONTRACTED. Dam breached. Final design underway then Dam Safety review/approval. Bid pkg Mar2021.
2	Arapahoe County Water and Wastewater Authority >Chambers Reservoir Liner Rehabilitation CT2021-513	Arapahoe	\$2,500,000	100%	May 2020 - Dec 2020	90%	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 temp. fill approval-Dec2020.
3	Cedar Mesa Ditch Company >Lower Cedar Mesa Ditch Piping CT2020-2680	Delta	\$1,346,000	100%	Sept 2020 - Spring 2023	30%	MS	Construction began in October. The intake structure is complete and pipe installation is proceeding along the ditch. Contractor is experiencing some delays due to backordered pipe material, but it is not expected to significantly affect the project.
4	CHATFIELD REALLOCATION Phase 2 - Mitigation \$19,329,000							This contract provides reimbursement for the Chatfield Reallocation Project, for engineering, recreation facilities construction, on-site mitigation, off-site mitigation, and mitigation monitoring. Phase 2 covers the construction work remaining after Phase 1 loan funds are fully depleted. Phase 2 began disbursement of funds with the July 2019 pay request. It was originally estimated Phase 2 work could last until 2028. However, the on-site mitigation in Phase 1 is proving more effective than planned, lessening the amount of off-site mitigation in Phase 2. This reservoir begin filling in May of 2020. Final mitigation work and monitoring will continue over the next couple years.
	a. Castle Pines North Metropolitan District >(C150404C) CT2018-1990	Arapahoe Douglas Park Weld	\$1,572,000	100%	Fall 2019 - Summer 2020	95%	KR	
	b. Centennial Water & Sanitation District >(C150405C) CT2016-2056	Arapahoe Douglas Park Weld	\$10,826,000	100%	Fall 2019 - Summer 2020	95%	KR	
	c. Central Colorado Water Conservancy District >(C150407C) CT2016-2060	Arapahoe Douglas Weld	\$6,931,000	100%	Fall 2019 - Summer 2020	95%	KR	
5	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.
	a. Deuel and Snyder Improvment Company >Diversion Structure Replacement CT2020-3562	Morgan	\$643,000	100%	Aug 2020 - May 2021	50%	CB	
	b. Upper Platte and Beaver Canal Company >Diversion Structure Replacement CT2020-0333	Morgan	\$4,392,000	100%	Aug 2020 - May 2021	50%	CB	
6	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.
7	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.
8	Fort Morgan Farms, LLC >Delta Water Storage Phase 1 CT2021-2222	Weld	\$8,982,000	100%	Fall 2021 - Spring 2022	10%	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 CTGG1 2019-2449 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	Grand Mesa Water Conservancy District >Peak Res. & Blanche Park Res. Rehabilitation C150354 (CT2015-061)	Delta	\$466,620	100%	Mar 2013 - Dec 2021	75%	MS	Construction on Peak Reservoir began in the 2013 season and was completed in Oct 2014. Construction on Blanche Park Reservoir began in July but has ceased for winter. Embankment fill stockpile is not sufficient and attempts to locate suitable material have not been successful so far.
11	Grand Junction, City of >Carson Reservoir Dam Rehabilitation CT2021-3110	Mesa	\$3,350,000	20%	Spring 2021 - Fall 2021	0%	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.
12	Grand Junction, City of >Purdy Mesa Flowline Replacement Replacement CT2021-2857	Mesa	\$7,000,000	100%	Winter 2020 - Summer 2021	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.
13	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.
14	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.
15	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. Finishing warranty items and IGA with EMD items.
16	Huerfano County Water Conservancy District >Regional Augmentation Project C150364 (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
17	Julesburg Irrigation District >Diversion Structure Rehabilitation CT2020-0396 WPG CTGG1-2020-2445	Sedgwick	\$2,858,000	100%	May 2020 - Dec 2021	25%	CB	This project is a diversion structure replacement on the South Platte. The Contractor has been selected and a first disbursal has been made for long lead-time materials. Construction had been slowed due to the State's shelter-in-place orders, but is still moving ahead.
18	Lateral Ditch ML47, Inc. >Lateral Ditch Pipeline Project CT2021-515	Mesa	\$700,000	100%	Fall 2020 - Spring 2021	75%	CB	This project will pipe and existing open ditch for more efficient delivery of water. A \$538 million Federal grant is also being applied to this project. Construction is under way and expected to be completed before May 2021.

	Borrower/Projects	County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
19	Left Hand Ditch Company >Allen's Lake Filler Canal Improvements CT2019-3463	Boulder	\$765,000	100%	Dec 2020 - Feb 2021	0%	CB	This project will replace 2,750 feet of open ditch with a buried pipe. No funds have been disbursed. Construction is expected to begin after Grading Permit is received. Loan Increase was approved in January 2020.
20	Lookout Mountain Water District >Upper and Lower Beaver Brook Dam Rehabilitation CT2021-3115	Jefferson	\$3,500,000	0%	Spring 2021 - Fall 2021	0%	RP	CONTRACTED. May need a push due to const in winter
21	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.
22	Orphan Wells of Wiggins >Kiowa Creek Dam Rehabilitation CT2021-3116	Morgan	\$147,000	0%	Spring 2021 - Fall 2021	10%	CB	This project will repair five non-jurisdictional dams operated by Orphan Wells of Wiggins for augmentation purposes. Mobilization took place in January 2021.
23	Pueblo Conservancy District >Arkansas River and Wildhorse Creek Levees CT2019-0366	Pueblo	\$23,000,000	100%	Dec 2014 - Jun 2021	95%	RP	Funds approved June 2018. Phase 5 under construction - removing, replacing concrete where Ph4 ended. Phase 5A under construction - grouting, filling voids in toe of levee for future Ph6. Loan increase Projects Bill 2020. Wrapping up construction Phase 6.
24	Redlands Water and Power Company >Pumpline Replacement Project CT2021-0511, WSRF POGG1 2020-2970	Mesa	\$635,000	100%	Nov 2020 - Feb 2021	98%	CB	This project will replace an existing, out-of-date pipeline. Construction is currently is complete and loan closeout is only awaiting the final loan request for substantial completion costs.
25	Redlands Water & Power Company >Roller Gate Replacement CT2021-2837	Mesa	\$400,000	100%	Fall 2021 - Spring 2022	0%	CB	This project will replace existing, out-of-date gates on Redlands' diversion structure. A contractor has been selected and work may begin this spring if river conditions are favorable. Otherwise, work will begin next fall.
26	Rural Ditch Company >Diversion Structure Improvement CT2021-2043	Weld	\$805,000	100%	Spring 2021 - Spring 2022	10%	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.
27	San Luis Valley Irrigation District >Rio Grande Reservoir Rehabilitation CT-2018-3303, CTGG1-2018-1805	Hinsdale, Rio Grande	\$15,000,000	100%	Aug 2018 - June 2020	98%	KR	Project is near complete. Moltz has begun demobilization. Outlet is operable and the reservoir is releasing water. Final touches on the Gate House and site clean up will continue through the summer. Ribbon cutting ceremony was postponed due to the COVID-19 public gathering limitations.
28	Southeastern CO Water Conservancy District >Pueblo Dam Hydroelectric Project CT2018-0833	Pueblo	\$17,220,000	100%	June 2017 - Dec 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.
29	South Fork, Town of >Augmentation Water Purchase CT2020-3398	Rio Grande	\$440,000	100%	Jan 2021 - Dec 2021	100%	RP	Augmentation water purchase anticipate completion early 2021.
30	Spring Dale Ditch Company >Diversion Structure Replacement Project CT2020-3110	Logan	\$1,210,000	100%	Feb 2020 - Feb 2021	60%	CB	This project will replace Springdale's aging diversion structure on the South Platte. Construction is well under way.
31	St. Vrain & Left Hand Water Conservancy District >Lake No. 4 Outlet Pipeline Repair CT2017-3213	Boulder	\$856,000	100%	Mar 2017 - Feb 2021	98%	CB	This project and the Emergency Rock'n WP are independent components of a larger rehabilitation of reservoirs destroyed in 2013. Early in the construction phase, disagreement arose between the owner and contractor and Work shut down, but is now back underway.
32	St. Vrain & Left Hand Water Conservancy District > Emergency Rock'n WP Ranch Lake No. 4 Repair CT2016-2452	Boulder	\$4,500,000	100%	Jan 2016 - Feb 2021	98%	CB	This project and the Lake No. 4 Outlet Pipe are independent components of a larger rehabilitation of reservoirs destroyed in 2013. Early in the construction phase, disagreement arose between the owner and contractor and Work shut down, but is now back underway.
33	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.
34	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.
	a. Central Colorado WCD >Walker Recharge CT2020-0310 CTGG1 2019-3648 WPG	Weld	\$2,250,000	100%	Sep 2019 - Sep 2022	50%	CB	
	b. Groundwater Management Subdistrict of CCWCD >Walker Recharge CT2020-0324	Weld	\$9,750,000	100%	Sep 2019 - Sep 2022	50%	CB	
	c. Well Augmentation Subdistrict of CCWCD >Walker Recharge CT2020-0326	Weld	\$3,000,000	100%	Sep 2019 - Sep 2022	50%	CB	
35	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.
36	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.
	WISE Project - Phase 2 Infrastructure \$7,326,940							Binney Connection Pipeline of Water Infrastructure and Supply Efficiency
	a. Cottonwood W&S Dist - C150408C (CT2015-0105)	Douglas/ Arapahoe	\$1,116,000	100%	Jan 2020 - Dec 2022	5%	RP	

	Borrower/Projects	County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
37	b. Inverness W&S Dist - C150409C (CT2015-0119)	Douglas/ Arapahoe	\$1,413,000	100%	Jan 2020 - Dec 2022	5%	RP	Binney Connection Pipeline or water infrastructure and supply emergency 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.
	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	
38	WISE Project - DIA Connection \$1,902,600							Annual disbursement to be made on this loan through 2021.Design Status indicates percent of funds disbursed to date. WISE WDA negotiations between parties continue with the goal of having an amended Water Delivery Agreement ready to be brought to the respective Boards and Council for review and approval by April 1, 2021. Group discussion continues focused on the DIA Connection.
	a. Cottonwood W&S Dist - C150408D (CT2015-0104)	Douglas/ Arapahoe	\$363,600	80%	N/A	60%	RP	
	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 : \$277,688,571

Approved Projects - Not Under Contract								
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a	Logan Irrigation District >Prewitt Reservoir Rehabilitation CT2021-XXXX Grant CTGG1 2020XXXX	Washington Logan	\$1,831,000	0%	Spring 201x - Fall 202x	0%	CB	This project will support dredging efforts to eliminate a dead pool at Prewitt Reservoir. The project is currently on hold.
b	Taylor & Gill Ditch Company >Ditch Piping CTGG1 2021-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.
c	Southeastern Colorado Water Conservancy District >Arkansas Valley Conduit CT2021-XXXX	Pueblo, Crowley, Otero, Bent, Prowers	\$90,000,000	0%	Fall 2020 - Fall 2035	0%	RP	
d	Genesee Water and Sanitation District >Reservoir No. 1 Enlargement CT2021-XXXX	Jefferson	\$4,200,000	50%	Spring 2021 - Spring 2022	0%	RP	Wait for a March WPGGrant consideration
e	Florida Consolidated Ditch Company >Florida Canal Diversion Replacement CT2021-XXXX WSRF CTGG1 2021-XXXX	La Plata	\$750,000	10%	Spring 2021 - Fall 2023	0%	MS	This project is the replacement of a low head dam diversion structure with multi beneficial outcomes. The project is currently in contracting.
f	Glenwood Springs, City of >System Redundancy and Pre-Treatment Improvements >CT2021-XXXX	Garfield	\$8,000,000	80%	Spring 2021 - Fall 2021	0%	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.
g	North Sterling Irrigation District >Outlet Canal Automation Phase II Project CT2021-XXXX	Logan	\$392,000	100%	Fall 2021 - Spring 2022	0%	CB	This project will install automation equipment on the lateral ditch headgates of users of the North Sterling Irrigation District Outlet Canal. Installation is expected to begin in Fall 2021.

Not Under Contract SubTotal = \$105,298,000

Grand Total = \$382,986,571

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

LOAN REPAYMENT DELINQUENCY

Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2020 through February 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 2021 totaled 187. Two Rivers Water and Farming Company had an annual payment due March 1, 2020 in the amount of \$76,006.78 (and March 1, 2021) which has not been remitted to CWCB as of this Board Meeting (March 10, 2021)). This is the 5th year that the Company has not made their loan payment on time. A late fee of 5% or \$3800.34 has been assessed per CWCB policy because the payment has not been received within 60 days of the due date. Kirk Russell, Finance Section Chief, will address this during his presentation.

LOAN FINANCIAL ACTIVITY

Loan Financial Activity relative to the Water Project Construction Loan Program for Fiscal Year 2021 is summarized as follows: Funds received relative to loans in repayment totaled \$38M for this year. Funds disbursed relative to new project loans totaled \$23.8M for this year. Net activity resulted in \$14.2M 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 \$24M in receivables and \$12.7M in disbursements for a total net activity of \$11.3M received over disbursed. The STPBF consists of \$14M in receivables and \$11M in disbursements for a total net activity of \$3M received over disbursed.

CONSTRUCTION FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July	\$ 9,602,286	\$ 329,415	\$ 9,931,700	\$ 924,682	\$ 9,007,018
August	\$ 1,412,152	\$ 250,382	\$ 1,662,534	\$ 233,385	\$ 1,429,149
September	\$ 1,853,472	\$ 1,059,132	\$ 2,912,605	\$ 1,656,149	\$ 1,256,455
October	\$ 205,556	\$ 80,356	\$ 285,912	\$ 489,052	\$ (203,139)
November	\$ 779,750	\$ 847,360	\$ 1,627,110	\$ 5,574,173	\$ (3,947,063)
December	\$ 531,255	\$ 484,365	\$ 1,015,620	\$ 1,346,275	\$ (330,655)
January	\$ 5,019,609	\$ 742,460	\$ 5,762,069	\$ 1,559,187	\$ 4,202,882
February	\$ 485,000	\$ 303,000	\$ 788,000	\$ 938,985	\$ (150,985)
FY 2021 Totals	\$ 19,889,081	\$ 4,096,470	\$ 23,985,551	\$ 12,721,888	\$ 11,263,663

SEVERANCE TAX TRUST FUND PERPETUAL BASE ACCOUNT

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July	\$ 30,637	\$ 13,228	\$ 43,865	\$ 330,453	\$ (286,588)
August	\$ 3,162,873	\$ 934,758	\$ 4,097,632	\$ 647,738	\$ 3,449,894
September	\$ 332,706	\$ 805,224	\$ 1,137,930	\$ 2,878,670	\$ (1,740,740)
October	\$ 387,402	\$ 132,841	\$ 520,243	\$ 277,749	\$ 242,494
November	\$ 608,329	\$ 1,215,367	\$ 1,823,696	\$ 1,418,890	\$ 404,806
December	\$ 331,861	\$ 1,392,634	\$ 1,724,495	\$ 756,727	\$ 967,768
January	\$ 837,007	\$ 317,965	\$ 1,154,971	\$ 4,239,597	\$ (3,084,626)
February	\$ 3,300,000	\$ 213,000	\$ 3,513,000	\$ 574,159	\$ 2,938,841
FY 2021 Totals	\$ 8,990,815	\$ 5,025,017	\$ 14,015,832	\$ 11,123,983	\$ 2,891,849

GRAND TOTALS	\$ 28,879,896	\$ 9,121,487	\$ 38,001,383	\$ 23,845,871	\$ 14,155,512
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