



COLORADO

Colorado Water
Conservation Board
Department of Natural Resources

DIRECTOR'S REPORT

November 2019

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
Andrew Rickert

DATE: November 20-21, 2019

SUBJECT: **Agenda Item 5d, November 2019 CWCB Board Meeting Director's Report**

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~STATEWIDE~

CWCB SMALL FEASIBILITY STUDY GRANT FUND UPDATE—

New grant applications approved:

1. Lower Arkansas Valley Water Conservancy District - John Martin Reservoir Storage Account (\$38,500)
2. San Luis Valley Water Conservancy District - Shaw Reservoir Purchases (\$50,000)

Previously approved grants in FY18/19: N/A

Total funds approved for feasibility study grants in FY19/20: \$88,500

~COLORADO RIVER BASIN~

COLORADO RIVER WATER USE—

2019 Colorado River Storage as of November 4th, 2019			
	Elevation (feet above mean sea level)	Storage (MAF)	Percent of Capacity
Lake Mead	1,082.74	10.239	39%
Lake Powell	3,612.85	13.019	54%
Total System Active Storage		31.197	52%
2018 Total Active Storage		27.681	46%
		Flow (MAF)	Percent of Average
Forecasted Unregulated Inflow into Powell (Forecasted Water Year 2019)		12.951	120%

Forecasted CY 2019 Lower Basin Consumptive Use		
State	Use (MAF)	Total (MAF)
Arizona	2.577	
California		
California Agricultural	3.450	
Metro. Water District	0.503	3.966
Other	0.013	
Nevada	0.232	6.776

*Note MAF = million acre-feet

IMPLEMENTATION OF UTE WATER CONSERVANCY DISTRICT LEASE OF RUEDI WATER FOR ISF USE ON 15-MILE REACH — In July of this year, the CWCB renewed its Water Lease Agreement with the Ute Water Conservancy District for up to 6,000 acre-feet of Ruedi Reservoir water for instream flow use in the 15-Mile Reach of the Colorado River, with an option for an additional 6,000 acre-feet if needed and agreed upon by the CWCB and District. From September 28, 2019 through October 15, 2019, the Bureau of Reclamation released 4,686.92 acre-feet of the leased water for instream flow use in the 15-Mile Reach. Mean daily rates of release from this pool ranged from 29 cfs to a maximum of 243 cfs on October 1. Total flows at the Palisade gage in the 15-Mile Reach during the days of release and delivery of the leased water stayed in a narrow range of 1,090 to 1,190 cfs mean daily, helping to close the gap toward meeting the USFWS flow recommendation of 1,240-1,630 cfs during this period.

UPPER COLORADO WILD AND SCENIC STAKEHOLDER GROUP UPDATE — The Upper Colorado River Wild and Scenic Stakeholder Group continues to make progress towards finalizing Outstandingly Remarkable Values (ORVs) indicators and Resource Guides related to recreational fishing and floatboating. The provisional period to finalize the ORVs and Resource Guides ends on June 12, 2020. Thus, with the conclusion of the provisional period quickly approaching, the SG is focusing on key actions including: (1) clarifying the use and role of Resource Guides in the Plan, (2) finalizing the Resource Guides for recreational fishing and floatboating, (3) finalizing the floatboating ORV (the recreational fishing ORVs were finalized and approved in March), and (4) establishing procedures, protocols, and the roles of subcommittees after the provisional period ends.

At its October 23, 2019 quarterly meeting, the SG made progress on the above actions by:

1. Scheduling a special meeting to discuss and clarify the use and role of Resource Guides in the Plan;
2. Committing to developing a long-term channel maintenance flow monitoring plan within one year of formal adoption of the final SG Plan and approving the development of a Request for Proposal to hire a consultant to design a monitoring plan.
3. Discussing final floatboating ORV indicators and Resource Guides, which may be approved at the January SG meeting; and
4. Approving contractor procurement, contracting, and invoicing procedures and continuing to work on ways to improve efficiency and reduce redundancy after the provisional period ends.

~ RIO GRANDE RIVER BASIN ~

RECENTLY DECREED ISF WATER RIGHTS ON MINERS CREEK — On September 15, 2019, the Division 3 Water Court decreed instream flow (ISF) water rights to the CWCB on a reach of Miners Creek in Case No. 18CW3014 for 0.56 cfs (09/01 - 04/30), and 1.0 cfs (05/01 – 08/31), with an appropriation date of January 22, 2018. The upstream terminus is Miners Creek’s headwaters, and the lower terminus is the confluence with Prong Creek. This reach is approximately 4.35 miles long and flows in a northeasterly direction through parts of Saguache County. Colorado Parks and Wildlife recommended this reach to protect the creek’s self-sustaining populations of Rio Grande cutthroat trout (*Oncorhynchus clarkii virginalis*), and brook trout (*Salvelinus fontinalis*).

~ GUNNISON RIVER BASIN ~

REQUEST FOR ADMINISTRATION OF INSTREAM FLOW WATER RIGHT — Staff investigated a low flow alert from the satellite monitoring system and placed a formal request for administration on the Slate River ISF, tributary to the East River. The District 59 Water Commissioner worked to enforce the call by releasing augmentation water from Meridian Lake Reservoir.

Case No.	Upper Terminus	Lower Terminus	Amount (cfs)/ Time Period	Appropriation Date	WDID
80CW0092	confluence Coal Creek	confluence East River	12 (12/1 - 3/31) 23 (4/1 - 11/30)	3/17/1980	5901506

The call letter and detailed information on the Board's right that was administered can be found on the CWCB's web page at: <http://cwcb.state.co.us/public-information/instream-flow-administrative-calls/Pages/main.aspx>

~ SOUTH PLATTE RIVER BASIN ~

PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM — We are pleased to announce some great news from the Platte River Recovery Implementation Program: (1) the U.S. Fish and Wildlife Service is proposing to remove the interior least tern from the endangered species list and (2) a bill to congressionally reauthorize the Program was placed on the Senate Legislative Calendar to be considered.

On October 23, 2019, the U.S. Fish and Wildlife Service [announced](#) its [proposal](#) to delist the endangered interior least tern, skipping the "threatened" status entirely. This is one of the three birds targeted by the Platte River Recovery Implementation Program. When the interior least tern was listed under the Endangered Species Act in 1985, there were fewer than 2,000 birds and only a few dozen nesting sites. Today there are more than 18,000 interior least terns at more than 480 nesting sites in 18 states.

In the U.S. Fish and Wildlife Service's announcement, Senator Barrasso stated: "Since its listing in 1985, states like Wyoming, Colorado, and Nebraska have worked in good faith with landowners, conservation groups, and the federal government to preserve critical habitat and recover this bird. The Platte River Recovery Implementation Plan played a critical role in this case and I look forward to reauthorizing the Program so we can continue to build on the success of the interior least tern's delisting".

Significant progress has been made on the reauthorization of the Program for another 13 years. The Platte River Recovery Implementation Program Extension Act was introduced by Representative Neguse (D-CO-2) ([H.R.3237](#)) and Senator Barrasso (R-WY) ([S.990](#)) earlier this year. The bills have received congressional bi-partisan support to reauthorize and federally fund the Program—all 17 members of the Colorado, Wyoming, and Nebraska delegation are sponsoring the bills. Both the Senate and House bills have been reported out of subcommittees and [S.990](#) passed favorably out of the [Senate Committee on Energy and Natural Resources, without amendment](#). It is anticipated that a bill will pass before the end of the year or early next year. (*Jojo La*)

~ SAN MIGUEL/SAN JUAN/DOLORES RIVER BASIN ~

LOWER DOLORES 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 Resources Center at Fort Lewis College has begun archiving the work done by the Group, particularly research and data related to native fish on the Dolores River. The 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. (*Linda Bassi*)

~ WATER CONSERVATION AND DROUGHT PLANNING UPDATES ~

CWCB WATER EFFICIENCY GRANT FUND PROGRAM (WEGP) UPDATE—

Two grant applications have been received since the September 2019 Director's Report

- **City of Northglenn** – Water Efficiency Plan Update
- **Western Resource Advocates** – Removing Barriers: Building Capacity to Implement Critical Water Conservation and Efficiency Programs

Three grants were approved since the September 2019 Director's Report:

- **City of Northglenn** – Water Efficiency Plan Update (\$29,975)
- **Town of Erie** – Water Efficiency Plan Update (\$30,000)
- **Town of Erie** – Drought Management Plan Update (\$30,000)

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

- **City of Steamboat Springs** – Water Efficiency Plan – *50% Progress Report*
- **Town of Firestone** – Drought Management Plan – *25% & 50% Progress Reports*
- **Town of Eagle** - Water Efficiency Plan - *75% Progress 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 Plans have been approved since the last Director's Report.

Drought Management Plans In Review:

- No Drought Management Plans are currently under review.

WATER EFFICIENCY PLANS:

Approved Plans:

- **North Weld County Water District**
- **City of Cortez**
- **Town of Superior**

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.

- **Rifle**
- **Town of Olathe**

Water Efficiency Plans in Review:

- **Widefield Water & Sanitation District**
- **Town of Eaton**
- **City & County of Broomfield**
- **City of Lamar**

(Kevin Reidy & Ben Wade)

GOVERNOR'S WATER AVAILABILITY TASK FORCE — The next Water Availability Task Force meeting will be on November 26 from 9:30am-11:30am at the Colorado Parks & Wildlife Headquarters 6060 Broadway, Denver, CO. Please check the website (<http://cwc.state.co.us/public-information/flood-water-availability-task-forces/Pages/main.aspx>) for additional information. (Ben Wade)

DROUGHT UPDATE — According to the U.S. Drought Monitor released on October 31, 27% of the state is experiencing D2 or severe drought. These areas include the southwest and extends north into Rio Blanca county and east into Park, Fremont & Custer counties. D1, moderate drought, extends through parts of the Yampa/White/Green through the Colorado, Rio Grande and Arkansas Basins. Abnormally dry conditions, D0, also touches parts of the Yampa/White/Green, Colorado, South Platte and Arkansas basins. Only 18% of the state is drought free, but this is an improvement from last week, October 24, when the Drought Monitor map showed only 11% of Colorado was drought free.

The long term ENSO forecasts are trending toward neutral conditions remaining through the winter. The Climate Prediction Center Forecast Map from December through February predicts warmer than average temperatures for Colorado with equal chances for precipitation.

As of November 4, statewide monthly precipitation is 79% of average according to mountain SNOTEL sites. The northern half of the state is at or above 100% of average precipitation. The southern half of the state has experienced a very slow start to the snow season following a very disappointing monsoon season. The lowest averages in the state are the Southwest basins and the Rio Grande at 22% and 31%, respectively. As of November 5, snowpack for all basins except for the Rio Grande & Southwest basins are at 100% of average or above. The Rio Grande is near average at 90% of average but the Southwest basins are far below normal at 44% of average

Reservoir storage is at the end of September is 121% of average and 68% of capacity. All basins are at or above 100% of average at this point of the year. Last year at this same time, the statewide average was at 79%. (Ben Wade)

MUNICIPAL DROUGHT MANAGEMENT PLAN GUIDANCE DOCUMENT UPDATE — The CWCB has contracted with Wood Inc. & Intera Inc to update the 2010 Drought Management Plan Guidance Document for water providers or local governmental entities who are developing or updating their Drought Management Plans. The update includes; case studies from more recent drought events, interweaving climate change considerations to include as a beneficial option in Plans, updating existing drought response strategies and measures, integration of drought planning efforts with the Analysis & Technical update for the Water Plan/Basin Implementation Plans and stream management planning. The final update is scheduled to be ready by the end of June 2020. A kickoff meeting with the consultants is scheduled for November 11. (Ben Wade)

CO WATER LOSS INITIATIVE— Kevin Reidy has started the CO Water Loss Initiative which will culminate in a 2-year training and technical assistance water loss control program for water providers across Colorado. Kevin convened a small advisory group to weigh in on the scope of work and to assist with the development of the programming. Approximately 120 water providers have signed up so far for the training. The first round of 8 workshops was completed in mid-May and were a resounding success. We have heard some great feedback from the participants as to the value and thoroughness of the program. At present, the consultant team is working through the one-on-one technical assistance sessions with each participant utility to ensure the water loss audit data from the

participating utilities is correct and valid. This represents phase Two of the Four phase project. The advisory team met by phone on July 31 and has another on October 9. Phase Three will consist of another round of in-person workshops in the fall of 2019 and another round of technical one-on-one meetings (Phase Four) happening in spring 2020. The initiative is still accepting participants so please spread the word! (Kevin Reidy)

LAND/WATER PLANNING NEXUS— Kevin Reidy is working with counterparts from DOLA to create trainings and other related projects specified in SB 15-008 (AKA the land use bill). This bill stated that the CWCB and DOLA would create trainings for land use and water planning professionals in order to incorporate water conservation and demand management best practices into land use planning. Additional work is as follows:

- Sonoran Institute, through a CWCB water plan grant, has extended their Colorado Growing Smart program to carry out 3 more additional workshops over the next 18-24 months. Kevin is on the advisory group for these trainings. The next training will take place in Estes Park September 11-13, 2019 and will host Boulder County, Colorado Springs, Commerce City, Greeley, Pueblo County, and Little Thompson Water District. As part of the same water plan grant, the Sonoran Institute is also designing a stakeholder process that will evaluate and ultimately select a set of metrics that community and state officials can use to track their progress in meeting the state water plan goal. The advisory team has developed a draft set of metrics and will be working through them with stakeholders at a workshop on Sept. 10.
- Also, the Colorado Growing Water Smart program has won the *2019 APA Colorado Honor Award* in the category of Sustainability and Environmental Planning from the Colorado chapter of the American Planning Association. Kevin Reidy will be accepting the award along with Sonoran Institute staff at the Colorado American Planning Association annual conference on September 19.
- Water Education Colorado and the Babbitt Center are teaming up with CWCB to implement several workshops and webinars through the end of the year to train local governments on integrating a land use element into their local water efficiency plans. These trainings will be based on the *Best Practices for Implementing Water Conservation and Demand Management Through Land Use Planning Efforts- Addendum to 2012 Guidance Document* presented to the board in January 2019. So far, we have done a webinar sponsored by the Special Districts Association and held a small workshop at Water Congress. Future workshops will be held in Longmont (Sept. 16th), Durango (Oct. 30th), Pueblo (Nov. 5th) and Grand Junction (Nov. 12th). They are free so spread the word!
<https://www.watereducationcolorado.org/lu-wep/> (Kevin Reidy)

DIRECT POTABLE REUSE— Through a water plan grant, Reuse Colorado has convened stakeholders along with CDPHE and CWCB to create a regulatory framework for direct potable reuse in Colorado. This project has also enlisted a panel of experts from across the nation to weigh in on the discussions and make recommendations on how to create the regulations and what should be in them. The final panel/ stakeholder meeting will take place on November 12 with the final report from this effort completed by the end of this year. (Kevin Reidy)

~WATERSHED AND FLOOD UPDATES~

MAPPING UPDATE—

FY19 Activities: The CWCB has been awarded \$5.6 million for FY19 FEMA grant funding for Risk Map projects. FEMA award letters have been received and CWCB is currently finalizing the grant documents and master contracts.

FY18 Activities: The CWCB was awarded \$5.5 million from FEMA in their FY18 cycle for Risk Map projects. The following is a list of the FY18 Risk Map projects:

The CWCB received a \$231,823 from FEMA for Project management tasks. This also includes \$80,000 allocated to the Division of Water Resources Dam Safety office for a pilot project.

\$350,000 was awarded to fund Delta County Risk Map Phase 2, which will include data development tasks such as hydrology, hydraulics, and floodplain mapping throughout Delta County. Delta County Risk Map Phase 2 includes 41.5 river miles of enhanced flood study, post-fire flooding analysis, and an evaluation of sediment-bulked flooding.

The Upper White Watershed Risk Map project received an additional \$70,000 from FEMA to conduct analysis on two levees that were discovered within Rio Blanco County during the routine hydraulic analysis. The updated mapping results in a significant amount of shallow flooding in Rangely. Final floodplain mapping tasks are underway and we anticipate the distribution of Preliminary Maps in early 2020. The Consultation Coordination Officer (CCO) meeting with community officials will be held sometime this Spring.

The Cache La Poudre Risk Map project is also receiving additional funds to address local community comments. A total of \$195,000 of FEMA funding is awarded to resolve the comments and complete the Risk Map project for Cache La Poudre. The CWCB mapping contractor has addressed comments and submitted to FEMA for their review. Additional community comments have been incorporated and the final products will be reviewed by FEMA's contractor.

Analyzing levees continue to be a challenge for the Risk Map program. Fortunately, FEMA provides funding and resources to help Cooperating Technical Partners (CTPs), such as the CWCB to assess levee pre-certification options. The CWCB received \$275,000 from FEMA to evaluate the Templeton Gap levee in Colorado Springs. A portion of this funding will also be used to conduct a high level base level engineering analysis for Teller County. This grant covers both Colorado Springs, El Paso and Teller Counties.

For the Animas River watershed, FEMA has awarded \$295,000 to complete this project through effective mapping. Phase 2 of this project was funded in 2017. Draft floodplain mapping has been completed and a Flood Risk Review meeting was held with La Plata, San Juan, and Archuleta counties and communities within those counties. The tentative schedule for distribution of Preliminary Maps will be summer of 2020.

FEMA has awarded the CWCB \$620,000 to complete the regulatory update for CHAMP Phase 3 projects through floodplain mapping and effective.

The CWCB funded regional hydrology updates for the Arkansas River from the headwaters near Leadville, Colorado to the Kansas State line as well as the Colorado River from Granby to the western border of Mesa County. The CWCB leveraged this work to obtain funds from FEMA this year to study the Arkansas River hydraulics and floodplain mapping. \$340,000 was awarded for this effort. Kick off meetings were held this past summer for all communities impacted by this map update.

Garfield County Phase 3 received \$346,752 from FEMA and this effort will include completing this Risk Map project through effective maps.

The CWCB has funded a hydrology update for the Yampa River basin. Work is underway currently, with paleo work conducted by Dr. Bob Jarrett.

FY17 Activities: The CWCB received a \$212,558 grant from FEMA to provide an updated hydrologic and hydraulic engineering and floodplain mapping for the Roaring Fork River and floodplain mapping services for the Colorado River within Garfield County (Phase 2). FEMA has awarded the CWCB funds for Phase 3 of this project in FY 2018. Hydraulics and Floodplain mapping tasks continue, with survey work almost complete.

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 northeast Colorado and will include 233 FIRM panel updates. The counties include Boulder, Logan, Larimer, Morgan, Weld, Washington, and Sedgwick Counties. The preliminary distribution for the Little Thompson River in Larimer County took place in January and the Consultation Coordination Officer (CCO) meeting took place in April. Larimer County public meeting was held for Little Thompson River. The 90-day appeal period for both Little Thompson and Jefferson County have begun.

The CWCB previously funded a Discovery project in the Animas River Watershed. From that effort, the local communities were able to identify several mapping needs. FEMA awarded CWCB \$654,717 to fund the proposed projects that identified from the Discovery effort. This is Phase 2 and includes updated hydrologic and hydraulic engineering, (including post-fire conditions for Junction Creek), updated floodplain mapping, and sediment-bulked flooding along the Animas River, and an evaluation of ice jamming conditions in Silverton. Field survey work has been completed and additional coordination with local communities has taken place to determine if additional work to include impacts from the wild fires is needed. FEMA has awarded the CWCB funds for Phase 3 of this project, which will cover tasks through effective mapping.

FY16 Activities: Upper White Watershed Risk Map Phase II preliminary map issuance will be delayed. A revised scope of work was submitted and approved by FEMA to conduct additional analysis. A meeting with the community officials took place in mid-December 2018 and a significant amount of coordination and discussion has taken place between Rangely, CWCB and FEMA regarding the hydrology analysis. A revised updated hydrology is being finalized by CWCB's mapping contractor and will be sent to FEMA and the local community for review concurrently. The funds from Phase 2 grant have been expended and work moving forward will be funded under Phase 3.

CWCB received \$3.4 million FEMA grant for LiDAR acquisition in Colorado for future floodplain mapping projects. This 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)

A regional hydrology study update on the Colorado River near Granby to the border with Utah has been completed and the results have been approved by FEMA. The CWCB has met with nearly every local community affected by this update. Final results are available for viewing on the Colorado Hazard Mapping website and on the CWCB website. A CLOMR process is underway to conditionally accept the hydrology results with FEMA.

FY15 Activities: The Cache La Poudre Phase III project funds were re-scoped to address comments from Fort Collins, City of Greeley, and the City of Windsor. Comments are now being addressed and an updated schedule for this project will be provided this Fall 2018. FEMA provided additional funds for this effort in FY 2018.

Upper Gunnison Risk Map Project Phase 2 hydraulic tasks were recently submitted to FEMA for review. Draft results show increased flood risk throughout the Town of Crested Butte. The model was done in 2D and the mapping contractor is working on refining the results. A Flood Risk Review with local community officials took place on February 11, 2019 and the mapping contractor is working with the Town to incorporate their latest construction work.

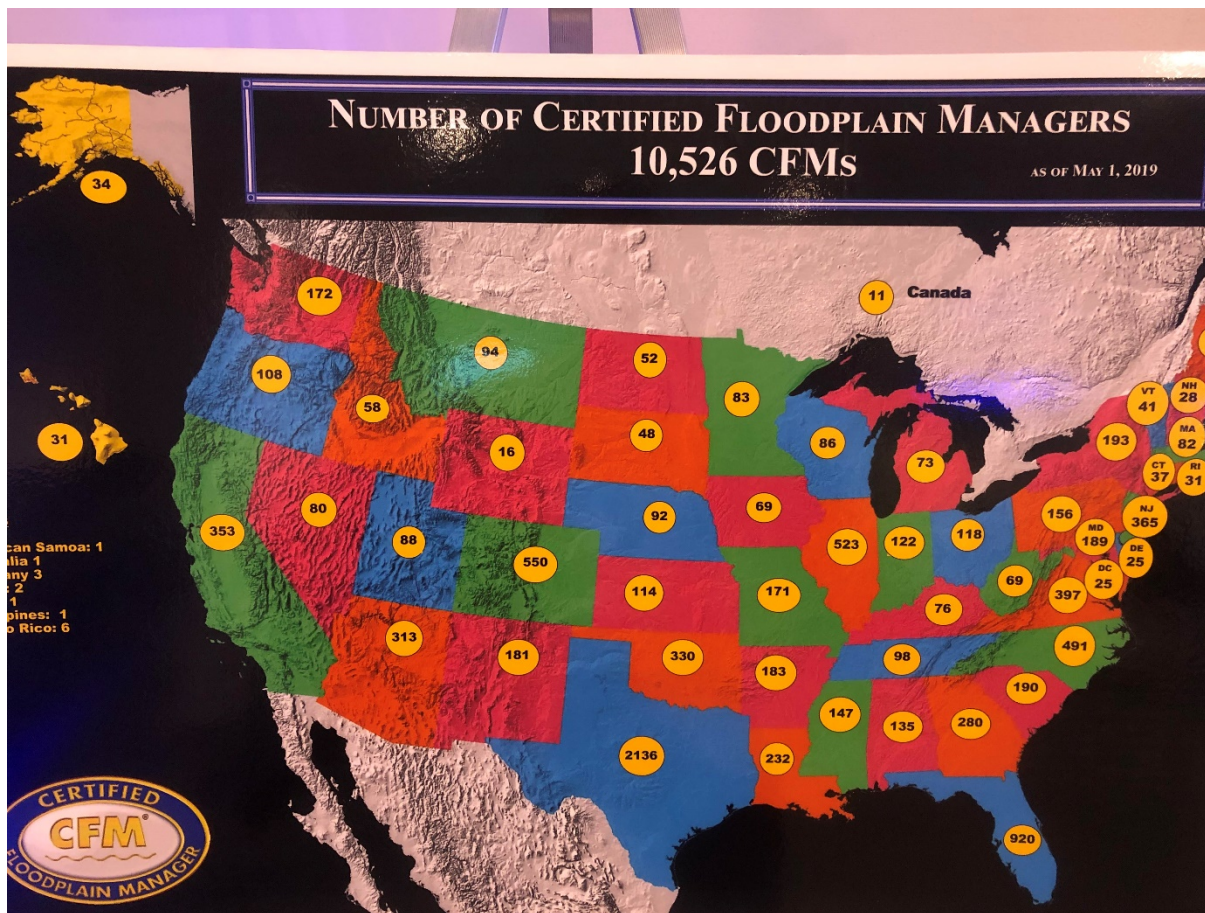
FY14 Activities: The erosion zone study for the Salt Creek Wash near the Town of Collbran in Mesa County was approved by FEMA. This report is now available on the Risk Map website.

FEMA has provided funding to conduct a countywide approximate floodplain mapping for El Paso County, referred to as a Base Level Engineering (BLE) study. A part of this grant funding will be rescoped to fund the revised preliminary project for the El Paso County DFIRM project, which became effective on December 7, 2018.
(Thuy Patton)

COLORADO 3RD IN NATION FOR CERTIFIED FLOODPLAIN MANAGERS — There are a number of measures that can be used to evaluate a state's preparedness for floods and its effectiveness in floodplain management. One measure that can be utilized is the certification level for floodplain managers. The Association of State Floodplain Managers (ASFPM) administers a certification program known as the Certified Floodplain Manager (CFM) program.

With 550 certified professionals around the state in all levels of governments as well as the private sector, Colorado ranks third in the country behind only Florida and Texas in the number of certified experts. It goes without saying that Florida and Texas have much higher populations and more identifiable and publicly evident flood risks, including coastal hazards and recent devastating coastal flooding events.

This ranking is just one measure of the work done by professionals across the state in preparing Colorado for future flood events. (Kevin Houck)



FEMA COMMUNITY ASSISTANCE VISIT — The Community Assistance Visit (CAV) is a major component of the National Flood Insurance Program's (NFIP's) Community Assistance Program (CAP). The CAV is a scheduled visit to an NFIP participating community by the CWCB NFIP CAP Coordinator for the purpose of conducting a comprehensive assessment of the community's floodplain management program and its knowledge and understanding of the NFIP requirements. An equally important purpose of the CAV is to provide assistance to the community in remedying identified program deficiencies and violations. Such visits offer an opportunity to establish or re-establish working relationships between the State and the community to create a greater awareness of the NFIP and its requirements and to provide ongoing technical assistance.

Generally, a CAV consists of a tour of the community's floodplain, an inspection of community permit files, and meetings with local appointed and elected officials. If any administrative problems or potential violations are identified during a CAV the community will be notified and given the opportunity to correct those administrative procedures and remedy the violations to the maximum extent possible within established deadlines. CWCB and FEMA will work with the community to help them bring their program into compliance with NFIP requirements. In extreme cases where the community does not take action to bring itself into compliance, FEMA may initiate and enforcement action against the community. For Fiscal Year 19, the CWCB NFIP CAP Coordinator is scheduled to complete 11 CAVs in 10 counties spanning all four corners of the State. *(Doug Mahan)*

COLORADO WATERSHED RESTORATION PROGRAM FUNDING UPDATE — Applications for the Colorado Watershed Restoration Program (CWRP) were due on Nov 1, 2019. The CWCB received twenty-nine applications. The total request was \$4,276,348, and the total match amount is \$12,125,432. However, nineteen of the projects are at, near, or below the minimum match requirement. All major river basins are represented in at least one application with the exception of the North Platte and Metro. Total Basin requests are as follows:

South Platte: \$1,925,126 12.5 applications Avg - \$154,010

Rio Grande: \$905,378 4 applications Avg - \$226,345

Arkansas: \$811,265 3.5 applications Avg - \$231,790

Southwest: \$261,341 2.5 applications Avg – \$104,536

Colorado: \$249,838 4.5 applications Avg - \$55,520

Yampa/White: \$100,000 1 application

Gunnison: \$23,400 1 application

Six applications were submitted in the Stream Management Plan (SMP) category. The total request was \$410,098. Two of these were for new planning efforts, and the other four are for the continuation of ongoing SMP efforts.

CWCB staff will be reviewing the applications over the next two months. Recommendations for applications less than \$100,000 will be provided to senior staff in January. Recommendations for applications over \$100,000 will be provided to the Board at the January Board Meeting. A complete list of all applications is below.

**Stream Restoration/Flood
Mitigation Plans and Projects**

Applicant	Project	Funding Request	Match Funding
Ducks Unlimited	San Luis Valley Aquatic Habitat Assessment	\$48,840	\$48,840

Mile High Flood District	Westerly Creek Restoration and Water Quality Project	\$500,000	\$6,150,000
Mile High Youth Corps	Invasive Tree Removal along the Arkansas River Trail	\$29,920	\$35,612
RiversEdge West	Western Colorado Sustainable Stewardship	\$164,566	\$292,757
Trout Unlimited	Canyon Creek Fish Passage Project	\$53,475	\$150,150
Upper Colorado River Watershed Group	Stream Restoration Plan Lower North Fork of the Colorado River	\$40,000	\$26,000
Left Hand Watershed Center	Science, Stewardship, and Education in Saint Vrain Watershed	\$377,241	\$395,000
Left Hand Watershed Center	Adaptive Management at Scale	\$382,320	\$422,969

Huerfano County Water Conservancy District	Spring Creek Fire Flood Mitigation	\$700,000	\$700,000
Colorado Water Trust	Little Cimarron River Collier Ditch fish and Flow Passage Design Project	\$23,400	\$66,600
Southern Rockies Seed Network	Southern Rockies Seed Network's Post Disaster Strategic Seed Reserve	\$39,770	\$95,600
Trout Unlimited	Lower Elkhead Creek Restoration Project Phase I	\$100,000	\$1,364,000
Costilla County Conservancy District	Upper Culebra Watershed Assessment	\$399,831	\$465,628
Big Thompson Watershed Coalition	Enhancing Bosie Bend through Collaborative Design	\$98,000	\$120,822
Headwaters Alliance	Comprehensive Willow Creek Watershed Plan	\$256,707	\$256,707

Poudre Learning Center Foundation	Poudre Learning Center, Hall-133 Riparian Restoration 60% Design Plan	\$100,000	\$100,000
Upper Clear Creek Watershed Association	Upper Clear Creek Watershed Post-Fire Sediment, Debris Flow, and Fluvial Hazard Assessment	\$40,000	\$40,000
Colorado Rio Grande Headwaters Restoration Project	Rio Grande Riparian Stabilization Project Phase 5	\$200,000	\$320,157
Fourmile Watershed Coalition	Debris Flow Early Warning System Pilot Project	\$20,600	\$108,500
Fourmile Watershed Coalition	Upper Ingram Gulch Restoration Project	\$100,116	\$250,000
Coalition for the Poudre River Watershed	Phase 2 of River Health Assessment in the Poudre: Finalizing One River Health Assessment Framework to Prioritize Restoration Opportunities in the Poudre Basin	\$84,464	\$84,512
City of Arvada	Lower Ralston Creek Restoration Project	\$72,000	\$73,000

Boulder Climbing Community	Boulder Watershed Trails Restoration: Upper Dream Canyon and Isabelle Glacier	\$35,000	\$88,900
		\$3,866,250	\$11,655,754

Stream Management Plans

Applicant	Project	Funding Request	Match Funding
Colorado Trout Unlimited	South Boulder Creek Stream Management Plan Phase II	\$95,500	\$95,500
Eagle River Watershed Council	Eagle River Community Water Plan Stakeholder & Community Engagement	\$30,880	\$32,000
Learning By Doing	Grand County Stream Management Plan Implementation	\$43,200	\$43,200

Mancos Conservation District	Mancos Watershed Stream Management Plan Phase I	\$98,650	\$117,302
Purgatoire Watershed Partnership	Purgatoire River Stream Management Plan- Phase I: Stakeholder Engagement and Needs & Priorities Assessment	\$61,460	\$66,115
Mountain Studies Institute	Upper San Juan Integrated Water Management Plan, Phase II	\$80,408	\$115,561
Total		\$410,098	\$469,678

Total CWRP Request and Match		\$4,276,348	\$12,125,432
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(Chris Sturm)

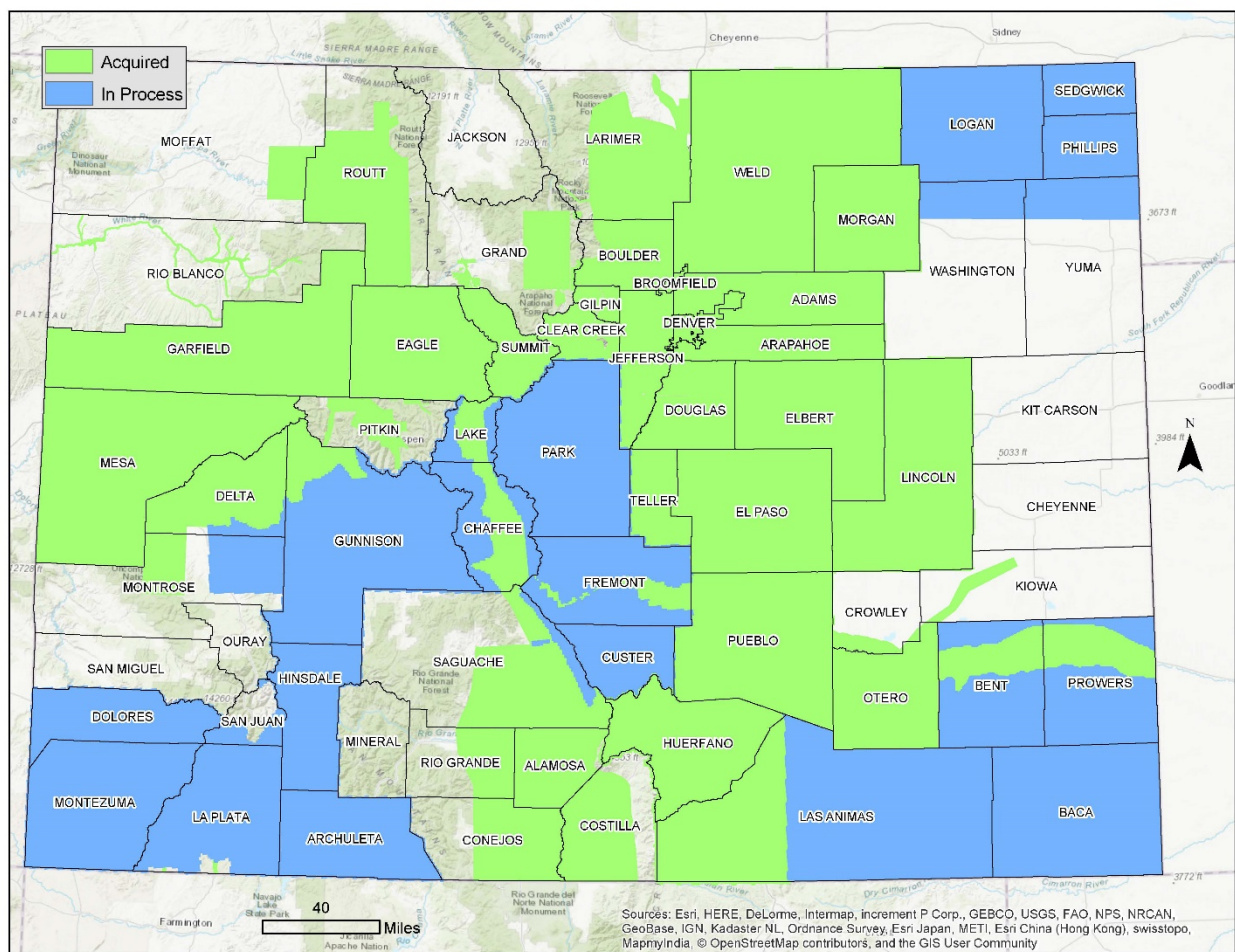
COLORADO LiDAR UPDATE — The CWCB was awarded approximately \$534,000 from the USGS for Lidar acquisition in parts of Montrose, Gunnison, Chaffee, and Lake Counties. FEMA, State, and local funds will be contributed to this project as well.

The acquisition along eastern Colorado from Weld County down to Huerfano County is complete and final deliverables are available at www.coloradohazardmapping.com. Park, Custer and Fremont Counties are in process of being acquired and it is anticipated that Park County Lidar data . The remaining data will be completed in early 2020.

The 2018 FEMA grant for \$2.2 million will fund the southeast and northeast Colorado acquisition, as shown on map below. The task order has been completed and LiDAR vendor has completed collecting data and is currently working on post processing tasks.

The CWCB has been coordinating with DRCOG to contribute funds for their 2020 proposed acquisition around the Denver metro area. With the CWCB's contribution the are acquired will be expanded to include small portions of Grand and Larimer Counties.

FEMA Region 8 may receive additional funding for Lidar and has submitted a request to obtain data in the remaining areas in Colorado that have not yet been acquired. There is no update to the status of this additional funding.



(Thy Patton)

~AGENCY UPDATES~

UNIVERSITY OF DENVER WATER LAW REVIEW SPRING 2019 ISSUE — This issue of the Law Review celebrates the 50th anniversary of the 1969 Colorado Water Right Determination and Administration Act. The issue includes articles that examine how the provisions of the 1969 Act have played out in various contexts including plans for augmentation and temporary water transfers, trace the history of the Attorney General's Office's work in water, explain the intersection of water quality and water rights, and look into the future of water in Colorado. This issue also contains two articles about the Instream Flow Program. The first one, written by The Honorable Gregory J. Hobbs, Jr., is entitled "Distributive Water Justice: Colorado's Doctrine of Prior Appropriation

Incorporates Instream Flow Rights on Behalf of the People.” The second one is entitled “ISF Law – Stories about the Origin and Evolution of Colorado’s Instream Flow Law in this Prior Appropriation State,” and was authored by CWCB staff members Kaylea White and Linda Bassi, and former First Assistant Attorney General Susan Schneider. Both are recommended reading for ISF Program history buffs. (*Linda Bassi*)

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

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

Date: January 29, 2020

Time: 1:30 – 5:00 PM

Location: The Westin Westminster

10600 Westminster Boulevard

Westminster, CO 80020

CWCB FLOOD PROJECTS WIN THREE AWARDS FROM ACEC-CO — Three projects from the Flood Section were awarded Engineering Excellence Awards from the American Council of Engineering Companies of Colorado (ACEC-CO). The awards were presented on November 4th, and these awards follow the awards ceremony from the prior week in which three awards were presented to agency projects by the American Public Works Association – Colorado Chapter (APWA-CO). Unlike APWA-CO, which presents awards to public entities, ACEC-CO is a professional organization for consulting engineering companies; hence the awards are given to the engineering consultant, although clients are also recognized.

The top award for the organization, known as the Grand Conceptor Award, was presented to the South Platte River Run Park project. This project, which also won the APWA-CO Project of the Year award, is the implementation of a park and river recreation area along CWCB’s South Platte easement in the City of Sheridan. The award was presented to Merrick and Company. CWCB’s role, besides providing funding, was to assist in obtaining approval from the Corps of Engineers and to ensure that the flood protection capacity of the original Corps project was not compromised by the addition of these new features.

Also, an Honor Award was presented to Merrick and Company for “Mitigating Economic and Personal Tragedy From Future Floods”. This was one of the largest LiDAR acquisition projects thus far in Colorado. The CWCB led efforts to collaborate with federal, state, and local partners to obtain over 18,000 square miles of LiDAR data in Eastern Colorado. The LiDAR data is used to update FEMA floodplain mapping in the State and is now available in the public domain.

Finally, an Honor Award was presented to Engineering Analytics, Inc. for the St. Vrain Reach 3 Restoration Project. This project was one of the many Emergency Watershed Protection (EWP) projects coordinated and funded by the CWCB in response to the 2013 Flood. *(Kevin Houck and Thuy Patton)*

~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 2018-2019

**November 20-21, 2019 Board Meeting
Instream Flow and Natural Lake Level Program
Summary of Resolved Opposition Cases**

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

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

Staff has resolved issues of potential injury in the following water court cases. Staff has (A) obtained agreement through letters-in-lieu of filing statements of opposition in some cases, and (B) sent a letter to applicant explaining why staff did not file a statement of opposition in one case, as described below.

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. 19CW3048 (Water Division 2) - Application of Terrell S Minton and W. Kekuni Minton

During the August 2019 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. 80CW0072 on Bear Creek. This case was resolved with CWCB by a letter agreement, dated October 30, 2019, 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. Applicant further agreed to promptly file a motion to amend the decree to comply with the agreement if such terms and conditions are not included.

"Following entry of a final and unappealable decree in this case, approving the claimed simple change in surface point of diversion, the Mintons shall no longer use the originally decreed Headgate No. 1 to divert their 0.5 cfs interest in the Dewitt Ditch No. 1 water right. Instead, in that event, the Mintons' 0.5 cfs interest in the Dewitt Ditch No. 1 water right may be diverted at two points, the new point of diversion approved herein and the originally decreed Headgate No. 2." Further, "the Mintons shall not divert more than 0.5 cfs combined at the new point of diversion approved herein and the originally decreed Headgate No. 2. In that event, the Mintons shall not divert more water under their 0.5 interest in the Dewitt Ditch No. 1 water right than is physically and legally available at the originally decreed points of diversion at Headgate No. 1 and Headgate No. 2." And "[t]he decreed place and type of use for irrigation of 14 acres for the entire Dewitt Ditch No. 1 water right remains unchanged."

(2) Case No. 19CW3084 (Water Division 5) - Application of Sun River Run Ranch RV, LLC and the Town of Granby

During the July 2019 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. 11CW0159, 11CW0160, 11CW0161, 80CW0446, 80CW0447, 80CW0448, 90CW0300 on the Colorado River and 90CW0308 on the Fraser River. This case was resolved with CWCB by a letter agreement, dated September 25, 2019, by which CWCB agreed not to file a statement of opposition, provided Applicant incorporates certain terms and conditions into any draft and final decrees and Applicant agrees to not oppose a motion to intervene by CWCB if such terms and conditions are not included.

1. Applicant agreed to include a table listing the instream flow water rights that could be impacted by the plan, and agreed to specific terms and conditions for curtailment and replacement operations if any of the relevant ISFs were being administered and not satisfied.
2. Applicant agreed to a specific decree procedure to add other replacement sources to this augmentation plan.
3. Applicant agreed to certain limitations for operations of the claimed "Granby Selak-Larabee Seepage Right."
4. Applicant agreed to specific language specifying that this decree does not change any terms and conditions in the previous decrees regarding the subject water rights, or other water rights intended to be used on this property.

(3) Case No. 19CW0003 (Water Division 6) - Application of Andrew S. and Victoria J. McBride

During the July 2019 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights decreed in Case Nos. W-3652C (1977) on the White River. This case was resolved with CWCB by a letter agreement, dated September 25, 2019, by which CWCB agreed not to file a statement of opposition, provided Applicant incorporates the following terms and conditions into any draft and final decrees and Applicant agrees to not oppose a motion to intervene by CWCB if such terms and conditions are not included.

1. "Applicant recognizes that the Colorado Water Conservation Board's existing instream flow water right decreed in Case No. W-3652 (1977) on the White River was decreed prior to the filing of this case."
2. "This change of the direct flow water right allows only a change in the point of diversion to a downstream location; the decree does not authorize a change in place of use, type of use, or season of use of the water. Furthermore, the decree does not authorize storage of the water right."

B. LETTER to APPLICANT - NO OTHER ACTION TAKEN

CWCB staff sent a letter to the Applicant in the following case, with a copy to the State and Division Engineers, for the purpose of notifying the Applicant that while staff sees a potential for injury to ISF water rights from the specified claims in the application, staff did not file a Statement of Opposition based upon its understanding of the law as it applies to those claims, and in reliance on priority water rights administration. In addition, the letter stated that if CWCB places a call for its ISF water rights to be administered within an intervening reach, the Division Engineer's enforcement of the call could curtail the exercise of some of the claimed uses and mechanisms of uses.

(1) 1-19CW3148 (Water Division 1) - Application of the Town of Lochbuie

During the July 2019 Water Court Resume Review, CWCB staff identified concerns regarding potential injury to CWCB's instream flow water rights in their review of the above application for water rights and plan for augmentation and substitution. Rather than filing statements of opposition, CWCB staff sent letters to the applicant with copies to the State and Division Engineers.

The letter states the following:

"CWCB staff recently reviewed the application for change of water rights, conditional exchange water right, appropriation of return flows, and plan for augmentation in Case No. 19CW3148. Based upon the information provided in the application, as described below, CWCB believes that a decree in this case could result in injury to ISF water rights held by the Board in the South Platte Basin and other basins to which Applicant might administratively exchange or contract this water for use by others. However, for the reasons listed below, CWCB staff has decided to not file a Statement of Opposition (SOP) to the application.

1. The claims in this case to use the subject water rights "...in any future augmentation plans, and to lease, sell or otherwise dispose of any excess consumptive use water changed in this case"¹ does not request, and the court cannot grant, a water right priority for any undefined "exchanges" or other type of new depletions in a reach of stream that could occur from such contracted uses². Consequently, such uses may only occur through: (a) administrative approval or a subsequent decree; and (b) without injury to other decreed water rights, including ISF water rights that may exist on intervening depleted reaches.

¹ Application in 19CW3148, paragraph 4.1 at page 3.

² One example of newly depleted reaches of stream that could occur as a result of the contracts requested in this application could result from Applicant providing return flow replacement water on behalf of another entity to a point downstream of the historical return flow accrual or decreed point of replacement.

2. The water use occurring by lease or contract and administrative approval is subject to all existing decreed water rights, whether junior or senior to the priority of the claimed water rights in this case. Therefore, no injury should occur to CWCB's ISF water rights. CWCB will work closely with the Division of Water Resources to monitor such uses to ensure that CWCB's ISF water rights are not injured by such actions.

Although staff is not filing a Statement of Opposition, under state water law, CWCB has a fiduciary duty to protect the ISF water rights that it holds on behalf of the people of the state of Colorado, *Aspen Wilderness Workshop, Inc. v. CWCB*, 901 P.2d 1251 (Colo. 1995). CWCB may not reduce its water rights by accepting injury absent Board approval, and pursuant to specific instream flow rules.

The purpose of this letter is to notify the Applicant that while staff sees a potential for injury to ISF water rights from the specified claims in the application, staff is not filing a SOP based upon its understanding of the law as it applies to those claims, and in reliance on priority water rights administration. Please note that if CWCB places a call for its ISF water rights to be administered within an intervening reach, the Division Engineer's enforcement of the call could curtail the exercise of the claimed uses of the water in any future augmentation plans, and by lease, sale or other disposition of any excess consumptive use water changed in this case."

Director's Report Attachment – November 20-21, 2019 CWCB Meeting
Stream and Lake Protection Section De Minimis Case

The following table summarizes an application that has the potential to injure the Board's instream flow water rights, but the impact is considered de minimis. In this case, 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 this case and has provided the required notification to the Division Engineer and applicant.

Applicant Case No.	Water Division	Applicant	Waterbody/ CWCB Case No.	ISF Flow Amount (cfs/date)	Individual Injury (%)	Cumulative Injury (%)	Count
19CW3058	4	Edward L. Smoak Revocable Trust & Anne G. Smoak Revocable Trust	Anthracite Creek 06CW0230	54 (4/1 - 7/14) 39 (7/15 - 8/14) 17 (8/15 - 3/31)	0.26940 0.34660	0.27470 0.36860	2



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 20-21, 2019 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:

- 1.45% - Agricultural
- 2.00% - Low-income Municipal
- 2.25% - Middle-income Municipal
- 2.50% - 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 0.65% 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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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

DATE: November 20-21, 2019 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.

BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
South Platte		
NISP Participants	NISP	\$100,000,000
Woods Lake Mutual Ditch Company	Culvert Replacement	\$150,000
Town of Kersey	Water Line Project	TBD
Tunnel Water Company	Ditch Rehabilitation	\$8,800,000
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
Northern Colorado WCD	Windy Gap Firming (increase)	\$40,000,000
Cherry Creek Water Project Authority	Walker Pit	\$8,000,000
City of Loveland	Reservoir Enlargement	TBD
Subtotal		\$177,900,000
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
Arkansas Groundwater Users Association	Stonewall Springs Pit	TBD
Subtotal		\$56,000,000
San Miguel/Juan		
Town of Bayfield	Ditch Piping Project	\$500,000
Redmesa Reservoir and Ditch Company	Redmesa Reservoir Enlargement	\$5,000,000
City of Cortez	Distribution System (Loss Prevention)	\$10,000,000
Subtotal		\$15,500,000



BORROWER	PROJECT NAME	POTENTIAL LOAN AMOUNT
Colorado		
Town of Breckenridge	Goose Pasture Tarn Dam	\$20,000,000
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
Grand River Water Company	Ditch Piping Replacement	\$100,000
Subtotal		\$20,700,000
Gunnison		
Gunnison County Electric	Taylor Park Hydro	\$1,000,000
Subtotal		\$1,000,000
North Platte		
No projects at this time		
Subtotal		\$0
Rio Grande		
Manassa Land & Irrigation Co.	Ditch Rehabilitation	\$6,000,000
Baca Grande Water and Sanitation District	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
Town of South Fork	Water Rights Purchase	\$450,000
San Luis Valley Water Conservancy District	Shaw Reservoir Purchase	TBD
Subtotal		\$18,650,000
Yampa		
Town of Oak Creek	Reservoir Rehabilitation	\$500,000
Rio Blanco Water Conservancy District	Wolf Creek Reservoir	\$100,000,000
Subtotal		\$100,500,000





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Jared Polis, Governor

Dan Gibbs, DNR Executive Director

Rebecca Mitchell, Director

TO: Colorado Water Conservation Board Members

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

Board Meeting: November 20-21, 2019 Board Meeting

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

The CWCB Loan Program has Substantially Completed eleven (11) projects in Calendar Year 2019 as shown in Table 1. There are currently fifty three (53) projects authorized to receive loan funding totaling \$315 million. There are forty four (44) projects currently under contract and in the Design and Construction phase totaling \$204 million.

The attached spreadsheet summarizes the status of the projects. A detailed description about each project is provided in the digital version of the Director's Report.

TABLE 1

	Borrower	Project	County	Loan Amount	Complete
1	Lake Durango Water Authority	Source Water Supply Project	La Plata	\$2,525,000	1/1/2019
2	Riverside Reservoir and Land Company	Riverside Reservoir Spillway Project	Weld	\$1,493,650	5/1/2019 (a)
3	Parker Water and Sanitation District	Water Infrastructure and Supply Efficiency (WISE)	Douglas/Arapahoe	\$5,650,933	6/1/2019
4	Overland Ditch and Reservoir Company	Overland Reservoir Rehabilitation	Delta	\$271,655	6/1/2019
5	Lamar, City of	Repurposing of Wells 12 and 13	Prowers	\$83,200	7/1/2019
6	Trinchera Irrigation Company	Mountain Home Dam Outlet Rehabilitation Phase III	Costilla	\$643,715	9/1/2019 (b)
7	Central Colorado Water conservancy District	Chatfield Reallocation	Arapahoe, Douglas, Park, Weld	\$19,812,059	9/1/2019 (c)
8	Bonus Ditch Company	St. Vrain Diversion Replacement	Longmont/Boulder	\$1,144,351	9/1/2019
9	Castle Pines North Metropolitan District	Chatfield Reallocation	Arapahoe, Douglas, Park, Weld	5,462,484	9/1/2019 (d)
10	Chilcott Ditch Company	Chilcott Augmentation Station	El Paso	\$266,217	10/1/2019
11	Centennial Water & Sanitation District	Chatfield Reallocation	Arapahoe, Douglas, Par, Weld	\$37,573,717	11/1/2019 (e)
			Total	\$74,926,981	

Calendar Year - 2019 has added or preserved 94,166 acre-feet of reservoir storage (a) 64,000; (b) 17,964; (c) 4,274; (d) 1,006; (e) 6,922



Borrower/Projects		County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
Projects in Design or Construction								
1	Arabian Acres >Automatic Meter Implementation CT2019-2792	Teller	\$404,000	100%	Apr 2019 - Oct 2019	90%	RP	145 of 150 meters connected. Continue construction through completion.
2	Bessemer Irrigation Ditch Company >Landslide Stabilization and Ditch Lining CT2018-2832	Pueblo	\$909,000	100%	March 2018 - Dec 2019	98%	RP	Ditch stabilization phase complete. Backfill complete along wall. Winter 2019 design/bid ditch lining. Ditch lining complete by 3/17/2019.
3	Big Elk Meadows Association >Emergency Raw Water Storage Repair CT2015-039 (C150391)	Boulder/ Larimer	\$2,020,000	100%	July 2014 - Dec 2019	95%	JH/CB	Big Elk Meadows received an emergency 0% interest loan in 2013 for the reconstruction of five small reservoirs destroyed in the flood. Reconstruction on the last of these reservoirs is currently underway with project closeout expected in February 2020.
4 - CHATFIELD Reallocation Project - First Cost of Storage								
a	Castle Pines North Metropolitan District >(C150404A) CT2018-1617	Arapahoe Douglas Park Weld	\$723,160	N/A	N/A	0%	JH/KR	This contract is to provide reimbursement for the Chatfield Reallocation Project, specific to the "first cost of storage." Payment will be due once storage in the new reservoir pool is allowed (after Phase 1 Mitigation contract is complete).
b	Centennial Water & Sanitation District >(C150405A) CT2016-2053	Arapahoe Douglas Park Weld	\$4,978,290	N/A	N/A	0%	JH/KR	
c	Center of Colorado Water Conservancy District >(C150406A) CT2016-2047	Arapahoe Douglas Park Weld	\$94,637	N/A	N/A	0%	JH/KR	
d	Central Colorado Water Conservancy District >(C150407A) CT2016-2057	Arapahoe Douglas Park Weld	\$3,187,560	N/A	N/A	0%	JH/KR	
5- CHATFIELD Reallocation Project - Phase 1 Mitigation								\$19,522,290
a	Castle Pines North Metropolitan District >(C150404B) CT2018-1616	Arapahoe Douglas Park Weld	\$0	100%	Sept 2017 - Fall 2019	100%	JH/KR	This contract is to provide reimbursement for the Chatfield Reallocation Project, for engineering, recreation facilities construction, on-site mitigation, off-site mitigation, and mitigation monitoring. Phase 1 covers the majority of work required before storage is allowed. All construction funds will come out of Phase 1 contract until fully disbursed, and then construction funds will come out of Phase 2's contract.
b	Centennial Water & Sanitation District >(C150405B) CT2016-2055	Arapahoe Douglas Park Weld	\$0	100%	Sept 2017 - Fall 2019	100%	JH/KR	
c	Center of Colorado Water Conservancy District >(C150406B) CT2016-2048	Arapahoe Douglas Park Weld	\$511,363	100%	Sept 2017 - Fall 2019	100%	JH/KR	

Borrower/Projects		County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
d	Central Colorado Water Conservancy District >(C150407B) CT2016-2058	Arapahoe Douglas Park Weld	\$0	100%	Sept 2017 - Fall 2019	100%	JH/KR	
6 - CHATFIELD Reallocation Project - Phase 2 Mitigation								\$7,000,310
a	Castle Pines North Metropolitan District >(C150404C) CT2018-1990	Arapahoe Douglas Park Weld	\$1,587,720	100%	Fall 2019 - Summer 2020	10%	JH/KR	This contract is to provide 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 disbursment 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. It is currently anticipated that Phase 2 could be completed by summer 2020.
b	Centennial Water & Sanitation District >(C150405C) CT2016-2056	Arapahoe Douglas Park Weld	\$10,934,260	100%	Fall 2019 - Summer 2020	10%	JH/KR	
c	Central Colorado Water Conservancy District >(C150407C) CT2016-2060	Arapahoe Douglas Weld	\$7,000,310	100%	Fall 2019 - Summer 2020	10%	JH/KR	
7	Centennial Irrigating Ditch Company >Centennial Diversion Replacement CT2018-1999	Rio Grande	\$232,300	100%	Jan 2018 - Fall 2019	95%	JH/CB	This diversion structure replacement is one of the five "Five Ditches" Projects undertaken with the Rio Grande Headwaters Restoration Project. Remaining work includes a concrete pad for a measuring device and some bank stabilization. Project closeout is expected by the end of the year.
8	Central Colorado Water Conservancy District WAS >Shores Lakes Pond C Infrastructure Improvement CT2018-2851	Weld	\$2,367,440	100%	Feb 2019 - Dec 2019	68%	JH/CB	Shores Lake Pond C is a former gravel pit being retrofitted for use as an augmentation water reservoir. Work was briefly shut down due to contractor scheduling conflicts, but is now back underway. 70% of funds have been dispursed.
9	Church Ditch Water Authority >Ditch System Improvements CT2018-1335	Jefferson	\$3,615,800	90%	Dec 2017 - Apr 2020	90%	RP	Loan covers 5 individual projects within the Church Ditch system. Leyden Flushing Structure, Headgate 53 Retaining Wall complete. The Area 15 Ditch Lining, Ford Street Siphon, and Legacy Farms Culvert complete. Area 15 Ditch lining complete April 2019.
10	Consolidated Ditch and Headgate Co >Consolidated Diversion and Headgate Replacement CT2018-1017	Rio Grande	\$1,010,000	100%	Jan 2018 - Fall 2019	95%	JH/CB	This diversion structure and headgate replacement is one of the five "Five Ditches" Projects undertaken with the Rio Grande Headwaters Restoration Project. Project is essentially complete with closeout expected when the other "Five Ditches" Projects are complete.
11	Duke Ditch Company >Piping the Duke Ditch CT2017-915 CTGG1 2017-212 (WSRF)	Delta	\$90,900	100%	No Est.	0%	AM	NRCS finalized the design in August 2018. Federal grant expired. Company is evaluating options of reapplying for federal funding in 2019 or possibly applying for a loan increase and completing project without federal grant dollars.
12	Empire, Town of >Guanella Reservoir Storage Purchase CT2020-572	Clear Creek	\$124,230	100%	Nov 2019 - Dec 2019	99%	RP	Golden Agreement signed and recorded.
13	Firestone, Town of >Storage Development and Water Rights Purchase CT2017-2880	Weld	\$10,000,000	95%	May 2018 - Dec 2019	50%	RP	LG Everist to complete mining and reclamation of future reservoir in Fall 2017/Winter 2018. Lower Boulder water rights purchased in July 2017. Final design pending - engineer looking to fill reservoir via wells/pipelines instead of diversion off river. Change case appl filed 2017 reservoir water rights.

	Borrower/Projects	County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
14	Florida Consolidated Ditch Company >Hess Lateral Improvement CT2019-2034 CTGG1 2020-XXXX (WSRF)	La Plata	\$1,085,750	0%	Spring 201x - Fall 202x	0%	KR	May bid proj before loan contracting. concern \$ total \$1M CDOT money. Using CDOT seed \$ for ROW Const fall of 2019 (two seasons)
15	Fort Lyon Canal Company >Adobe Creek Dam Rehabilitation CT2018-1960 CTGG1 2018-806 (WSRF)	Bent	\$8,181,000	100%	Sept 2018 - June 2020	99%	RP	Waiting Dam Safety conditional approval 8/31/2018. Out for bid 7/31/2018. Award 9/5/2018. PreCon 9/13/2018. Work continues placement mud mat, outlet conduit, intake gate tower and left toe drain 2/2018. Final walk-thru 6/2019. Seeding/Reveg will follow in Fall2019/Spring2020
16	Fowler, Town of >Augmentation Pipeline Project C150359 (CT2015-054)	Otero	\$277,245	100%	Fall 2018 - Fall 2019	0%	RP	Engineering completed. Easement & appraisal processes causing delay; may result in litigation per Town 5/23/17. Bid process on hold. Town Clerk- no updates, no response on extension letter request 11/2018. May 2019 update: per L.Spady Oxford Farms Ditch and Fowler are at stand-still with easement issues with property owners. Must start over their planning.
17	Fruitland Irrigation Company >Tunnel and Canal Renvation CT2019-2848 CTGG1 2019-2449 CTGG1 2019-2475	Delta & Montrose	\$1,746,290	95%	Spring 2019 - Fall 2022	0%	RP	Contract needed by - 11/30/2018. Sept 2018 letter from Bureau of Reclamation recvd. Require letter prior to CWCB contract. Finishing permit process, anticipate bid-set and pre-bid in Nov 2019
18	Grand Mesa Water Conservancy District >Peak Res. & Blanche Park Res. Rehabilitation C150354 (CT2015-061)	Delta	\$227,250	100%	Mar 2013 - Sept 2020	50%	JH/MS	Construction on Peak Reservoir began in the 2013 season and was completed in Oct 2014. Blanche Park construction is delayed due to Forest Service permit issues and requires extensions. Access road construction began Fall 2018 and dam construction will begin summer 2020.
19 - GRAND VALLEY POWER PLANT REHABILITATION								\$3,434,000
a	Grand Valley Water Users Association >Grand Valley Power Plant Rehabilitation CT2017-2875 - SCTF	Mesa	\$1,717,000	100%	Fall 2019 - Spring 2021	0%	JH/MS	Project was delayed due to a Dept of the Interior review of pending projects nationwide. Design is 100% complete but has not had final approval from Bureau of Reclamation. Final approval is pending. Meeting with Reclamation Technical Services scheduled for late July 2019
b	Orchard Mesa Irrigation District >Grand Valley Power Plant Rehabilitation CT2017-2878 - SCTF	Mesa	\$1,717,000	100%	Fall 2019 - Spring 2021	0%	JH/MS	Project was delayed due to a Dept of the Interior review of pending projects nationwide. Design is 100% complete but has not had final approval from Bureau of Reclamation. Final approval is pending. Meeting with Reclamation Technical Services scheduled for late July 2019
20	Groundwater Management Subdistrict of CCWCD >Pioneer Reservoir CT2019-3687	Weld	\$8,697,110	50%	Fall 2021 - Spring 2022	0%	JH/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 2020.
21	Hidden Valley Water District >Master Water Meter Connection CT2020-2244	Jefferson	\$1,737,200	95%	Sep 2019 - Dec 2020	0%	RP	Finalizing the Intergovernmental Agreement with Evergreen Metro District.
22	Huerfano County Water Conservancy District >Regional Augmentation Project C150364 (CT2015-047)	Huerfano	\$2,222,000	95%	Jan 2014 - Jun 2020	99%	RP	Land and water rights purchase occurred in January 2014. Phase I completed Oct 2017. Ph 3 - Reservoir liner complete 8/2019. Requesting loan increase 11/2019.
23	Larimer & Weld Irrigation Company >Headgate Structure Replacement CT2017-2253	Larimer & Weld	\$681,750	100%	Nov 2017 - Apr 2018	98%	JH/KR	Constructin began in November 2017 and was substantially completed in April 2018. Final invoicing is expected soon.

	Borrower/Projects	County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
24	Left Hand Ditch Company >Allen's Lake Filler Canal Improvements CT2019-3463	Boulder	\$671,650	95%	Fall 2019 - Spring 2020	0%	JH/CB	This project will replace 2,400 feet of open ditch with a buried pipe. No funds have been disbursed. Construction is expected to begin in November.
25	Left Hand Water District >Participation in Southern Water Supply Project II CT2018-2028	Broomfield & Weld	\$10,000,000	100%	July 2018 - March 2020	80%	JH/CB	This contract is for LHWD's participation in Southern Water Supply Project II--a large pipeline supplying water to users in the Northern Front Range. Approximately 85% of the pipeline has been installed and 83% of loan funds have been disbursed. Substantial completion is expected in February 2020.
26	Missouri Heights Mountain Meadow Irr Company >Ditch Piping Phase B CT2019-2241	Garfield	\$404,000	100%	Oct 2018 - Spring 2020	35%	JH/CB	This project will replace 9,000 feet of open irrigation ditch with buried pipe. Last winter preliminary construction work was undertaken and 17% of funds were dispersed before shutting down for the irrigation season. Work is expected to resume in mid-November.
27	Ogilvy Irrigating and Land Comapny >Seely Reservoir Dredging CT2019-2099 CTGG1 2019-2018 (WPG)	Weld	\$2,274,520	0%	Spring 2019 - Fall 2022	0%	RP	Permitting considerations being made. Permitting/Eval by December 2019. Working with Corps on "jurisdictional" determination and ongoing uncertainty regarding which set of rules/regulations the Corps uses to make "waters of the United States" (WOTUS) determinations.
28	Orchard Ranch Ditch Company >Orchard Ranch Ditch Pipe Project CT2016-2795 POGG1 2017-493	Delta	\$151,500	100%	Dec 2018 - May 2020	95%	RP	PreBid 7/23/18. Material supply issue - JUB redesign and rebid 10/2018. Construction begin 12/2018. Spring 2020 reseed and habitat replacement plan complete. July 2019 construction complete and started pipeline and working well.
29	Pueblo Conservancy District >Arkansas River and Wildhorse Creek Levees CT2019-366	Pueblo	\$17,170,000	100%	Dec 2014 - Sep 2019	99%	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. Requesting loan increase 11/2019.
30	Roxborough Water and Sanitaion District >Ravenna Development Interconnect CT2019-2250	Douglas	\$1,584,690	100%	Nov 2018 - Apr 2019	95%	JH/CB	This Contract is to RWSD to install two new pipelines supplying the Ravenna housing development with reliable water service. Work is progressing steadily with substantial completion expected in early 2020. 88% of funds have been dispersed.
31	San Luis Valley Canal Company >San Luis Valley Canal Headgate Construction CT2019-2046	Rio Grande	\$303,000	100%	Jan 2019 - May 2019	95%	JH/CB	This headgate replacement is one of the five "Five Ditches" Projects undertaken with the Rio Grande Headwaters Restoration Project. Project is essentially complete with closeout expected when the other "Five Ditches" Projects are complete.
32	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	60%	KR	Moltz Constructors is in full swing on the gate house foundation & pipe instalation. Tunnel work begins Nov 9. The drawdown of the reservior is complete and will be managed behind a coffer dam for periodic releases.
33	Schneider Ditch Company >Diversion Structure Replacement CT2020-437	Logan	\$1,245,330	100%	Sep 2019 - May 2020	15%	RP/CB	The SDC is replacing their diversion structure on the South Platte near Sterling. Long lead-time items have been purchased and a contractor selected. The pre-construction meeting was held in mid-October. Work is expected to start in November.
34	St. Vrain & Left Hand Water Conservancy District >Lake No. 4 Outlet Pipeline Repair CT2017-3213	Boulder	\$864,560	100%	Sept 2019 - April 2020	15%	JH/CB	This project and the Emergency Rock'n WP are independent components of a larger rehabilitation of reservoirs destroyed in 2013. Dewatering and clearing/grubbing in preprartion of earthwork is complete. Weekly meetings are being attended by all stakeholders.

Borrower/Projects		County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
35	St. Vrain & Left Hand Water Conservancy District > Emergency Rock'n WP Ranch Lake No. 4 Repair CT2016-2452	Boulder	\$4,545,000	100%	Sept 2019 - April 2020	15%	JH/CB	This project and the Lake No.4 Outlet Pipeline Repair are independent components of a larger rehabilitation of reservoirs destroyed in 2013. Dewatering and clearing/grubbing in preparation of earthwork is complete. Weekly meetings are being attended by all stakeholders.
36	Southeastern CO Water Conserv. District >Pueblo Dam Hydroelectric Project CT2018-833	Pueblo	\$17,392,200	100%	June 2017 - Oct 2019	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.
37	Tunnel Water Company >Laramie-Poudre Tunnel Rehabilitation CT2016-2001	Larimer	\$1,111,000	100%	Sept 2015 - Fall 2019	90%	JH/RP	Phase 1 (Inlet) complete in 2016. Phase 2 (outlet) construction was delayed due to need to reroute access road. Construction of Phase 2 started fall 2018, stopped for winter, and will resume fall 2019. Company received a loan increase at March 2018 meeting to fully cover expected Phase 2 costs.
38	Tunnel Water Company >West Half Laramie-Poudre Tunnel Rehabilitation CT2019-3706	Larimer	\$9,090,000	100%	Sep 2019 - Sep 2020	10%	JH/RP	Construction scheduled to begin the Fall 2019, when low water and non-irrigation season. Requesting loan increase 11/2019.
39 - WALKER RECHARGE								\$15,150,000
a	Central Colorado WCD >Walker Recharge CT2020-310	Weld	\$2,272,500	0%	Fall 2019 - Spring 2020	0%	JH/CB	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 begin in November and the loans after the new year.
b	Groundwater Management Subdistrict of CCWCD >Walker Recharge CT2020-324	Weld	\$9,847,500	0%	Fall 2019 - Spring 2020	0%	JH/CB	This 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 begin in November and the loans after the new year.
c	Well Augmentation Subdistrict of CCWCD >Walker Recharge CT2020-326	Weld	\$3,030,000	0%	Fall 2019 - Spring 2020	0%	JH/CB	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 begin in November and the loans after the new year.
40	Walsenburg, City of > City Lake Dam Rehabilitation & Enlargement CT2019-648 Grant CTGG1 2019-094	Huerfano	\$6,889,210	100%	Jan 2019 - Oct 2019	99%	RP	Dam Safety Substantial Completion letter and temporary fill approval.
41	Wiggins, Town of >Wiggins Recharge Facility at Glassey Farms CT2018-892	Morgan	\$2,408,850	95%	Spring 2019 - Summer 2019	0%	JH/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 currently on hold.
42 -WISE Project - Phase 1 Infrastructure								\$10,017,180
a	Cottonwood W&S Dist - C150408B (CT2015-106)	Douglas/ Arapahoe	\$2,636,100	100%	Spring 2015 - Dec 2019	95%	RP	Infrastructure to treatment plant completed. 42-inch Pipeline construction on Ridgeway line continues. E470 bore complete. All lines in ground and connections in place. Next step, testing. Waiting on water treatment piece before startup testing in May 2018. Ridgeway pipeline complete - punchlist items. WISE system has been delivering water since August of 2017 as
b	Inverness W&S Dist - C150409B (CT2015-118)	Douglas/ Arapahoe	\$1,181,700	100%	Spring 2015 - Dec 2019	95%	RP	

Borrower/Projects		County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
c	Parker W&S Dist - C150410B (CT2015-108)	Douglas/ Arapahoe	\$0	100%	SC June 1, 2019	100%	RP	connection come online. All but 2 members connected to the pipeline and those connections have been tested. Centennial Water and Sanitation has built their connection and is working on finalizing the controls programing. Anticipate CWSD start up around Fall 2018. Pinery working on physical connection and anticipate accepting water Fall 2018.
d	Pinery (Den SE WSD)C150411B (CT2015-085)	Douglas/ Arapahoe	\$6,199,380	100%	Spring 2015 - Dec 2019	95%	RP	
43 - WISE Project - Phase 2 Infrastructure								\$7,400,078
a	Cottonwood W&S Dist - C150408C (CT2015-105)	Douglas/ Arapahoe	\$1,127,160	80%	Spring 2019 - Fall 2021	0%	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 SMWA. Engineer Prebid 11/15/18. Jacobs selected. Pump and Pipeline construction bid Nov2019, Award Jan2020.
b	Inverness W&S Dist - C150409C (CT2015-119)	Douglas/ Arapahoe	\$1,427,130	80%	Spring 2019 - Fall 2021	0%	RP	
c	Parker W&S Dist - C150410C (CT2015-109)	Douglas/ Arapahoe	\$3,418,658	80%	Spring 2019 - Fall 2021	0%	RP	
d	Pinery (Den SE WSD)C150411B (CT2015-086)	Douglas/ Arapahoe	\$1,427,130	80%	Spring 2019 - Fall 2021	0%	RP	
44 - WISE Project - DIA Connection								
a	Cottonwood W&S Dist - C150408D (CT2015-104)	Douglas/ Arapahoe	\$363,600	60%	N/A	60%	RP	Annual disbursment to be made on this loan through 2021.Design Status indicates percent of funds disbursed to date. No orthophosphate determination created need for alternatives and renegotiations. Working through alternatives and have finalized by Dec2019.
b	Inverness W&S Dist - C150409D (CT2015-120)	Douglas/ Arapahoe	\$454,500	60%	N/A	60%	RP	
c	Parker W&S Dist - C150410D (CT2015-110)	Douglas/ Arapahoe	\$1,099,890	60%	N/A	60%	RP	
d	Pinery (Den SE WSD)C150411B (CT2015-087)	Douglas/ Arapahoe	\$454,500	60%	N/A	60%	RP	
Projects Under Contract			\$204,125,823	100%				

	Borrower/Projects	County	Loan Amount	Design Status	Const. Start/End	Const Status	PM	Status Description/Update
	Approved Projects - Not Under Contract							
a	San Juan Water Conservancy District >Dry Gulch Reservoir Land Acquisition CT2020-XXXX	Archuleta	\$2,000,000	0%	Spring 201x - Fall 202x	0%	KR	Contract needed by - Postponed Indefinitely CWCB approval is conditioned on voters approving debt. Debt approval failed at November 2017 election. District is determining if/how/when to move the project forward.
b	Municipal Subdistrict >Windy Gap Project CT2020-XXXX	Larimer	\$90,000,000	0%	Spring 201x - Fall 202x	0%	JH/CB	Contractor bids were received in October and allotment contracts among project participants are being drafted. The District's new Project Analyst expects to enter into the CWCB contract this winter with the first pay requests coming next summer.
c	Julesburg Irrigation District >Diversion Structure Rehabilitation CT2020-XXXX	Sedgwick	\$3,341,080	0%	Spring 201x - Fall 202x	0%	RP/CB	A landowner election was held on October 16 which resulted in approval of accepting the loan. Contracting is currently underway for this loan and the associated grant.
d	Dominion Water & Sanitation District >Chatfield Reallocation Project CT2020-XXXX	Douglas	\$4,191,989	100%		N/A	JH/KR	
e	Logan Irrigation District >Prewitt Reservoir Rehabilitation CT2020-XXXX Grant CTGG1 2020XXXX	Washington and Logan	\$1,849,310	0%		0%	JH/CB	This project will support dredging efforts to eliminate a dead pool at Prewitt Reservoir. The project is currently on hold.
f	Upper Platte and Beaver Canal Company >Diversion Structure Replacement CT2020-XXXX	Morgan	\$4,435,920	0%		0%	JH/CB	This project will support the replacement of UPBCC's 1,400 foot long diversion struction on the South Platte. Documentation is currently being processed in contracting.
g	Lower Arkansas Water Management Association >West Farm Gravel Pit Storage Purchase CT2020-XXXX, Grant CTGG1 2020-XXXX	Prowers	\$3,630,950	100%	Sep 2019 - Dec 2019		RP	
h	Taylor & Gill Ditch Company >Ditch Piping CTGG1 2020-XXXX	Larimer	\$126,500				JH/CB	This project will replace 1,000 feet of open ditch with a buried pipe. Contracting documents are currently out to the borrower for signing.
i	Cedar Mesa Ditch Company >Lower Cedar Mesa Ditch Piping CT2020-XXXX	Delta	\$1,359,460	100%	Spring 2020 - Fall 2022	0%	MS	Currently in contracting.
	Not Under Contract SubTotal =		\$110,935,209					
	Grand Total =		\$315,061,032					

**WATER PROJECT CONSTRUCTION LOAN PROGRAM
LOAN REPAYMENT DELINQUENCY REPORT
LOAN FINANCIAL ACTIVITY REPORT
November 2019**

LOAN REPAYMENT DELINQUENCY

Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2019 through October 2019. 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 2020 totaled 124. All loans payments were made on time.

LOAN FINANCIAL ACTIVITY

Loan Financial Activity relative to the Water Project Construction Loan Program for Fiscal Year 2020 is summarized as follows: Funds received relative to loans in repayment totaled \$13.9M for this year. Funds disbursed relative to new project loans totaled \$16.4M for this year. Net activity resulted in \$2.5M disbursed by the CWCB Construction Fund and the Severance Tax Perpetual Base Fund (STPBF) over the total received.

Further breakdown is summarized as follows: The Construction Fund portion consists of \$7.4M in receivables and \$7.2M in disbursements for a total net activity of \$.02M received over disbursed. The STPBF consists of \$6.5M in receivables and \$9.2M in disbursements for a total net activity of \$2.7M disbursed over received.

CONSTRUCTION FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2019	\$ 660,666	\$ 71,225	\$ 731,892	\$ 273,915	\$ 457,977
August 2019	\$ 2,265,217	\$ 324,915	\$ 2,590,132	\$ 2,390,397	\$ 199,735
September 2019	\$ 2,241,003	\$ 1,399,393	\$ 3,640,396	\$ 1,990,714	\$ 1,649,682
October 2019	\$ 272,911	\$ 115,094	\$ 388,005	\$ 2,573,469	\$ (2,185,465)
FY 2020 Totals	\$ 5,439,797	\$ 1,910,627	\$ 7,350,424	\$ 7,228,495	\$ 121,929

SEVERANCE TAX TRUST FUND PERPETUAL BASE ACCOUNT

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2019	\$ 47,905	\$ 27,699	\$ 75,605	\$ -	\$ 75,605
August 2019	\$ 73,040	\$ 389,380	\$ 462,420	\$ 3,115,484	\$ (2,653,064)
September 2019	\$ 3,632,085	\$ 1,263,843	\$ 4,895,928	\$ 3,198,392	\$ 1,697,536
October 2019	\$ 472,987	\$ 612,465	\$ 1,085,452	\$ 2,879,968	\$ (1,794,516)
FY 2020 Totals	\$ 4,226,017	\$ 2,293,387	\$ 6,519,404	\$ 9,193,843	\$ (2,674,440)
GRAND TOTALS	\$ 9,665,814	\$ 4,204,014	\$ 13,869,828	\$ 16,422,338	\$ (2,552,511)