



COLORADO WATER CONSERVATION BOARD

DIRECTOR'S REPORT

July 2014

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

STATE OF COLORADO



TO: Colorado Water Conservation Board

FROM: James Eklund
Meg Dickey-Griffith
CWCB Staff

DATE: July 16-17, 2014

SUBJECT: **Agenda Item 16d**, July 2014 CWCB Board Meeting Director's Report

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~INTERSTATE AND FEDERAL~

GLEN CANYON DAM ADAPTIVE MANAGEMENT WORK GROUP (“AMWG”) AND TECHNICAL WORK GROUP (TWG) MEETINGS—The Glen Canyon Dam Technical Work Group (TWG) held its annual summer meeting, on June 24-25, 2014 in Phoenix, Arizona. This TWG meeting was used to develop a proposed three year budget to recommend to the AMWG. Unfortunately, there is still more work to do on the budget before the TWG is able to recommend a budget to AMWG. The TWG will likely meet in July to finalize a recommended budget. The next AMWG meeting will occur in the last week of August, 2014 in Flagstaff, Arizona. The key topics of this meeting will be the budgeting process, the Long Term Experimental and Management Plan (LTEMP), the proposed hydrograph, and the prospects for another fall High Flow Experiment (HFE). *(Ted Kowalski)*

COLORADO RIVER BASIN STUDY, NEXT STEPS—The three workgroups (municipal & industrial conservation and reuse, agricultural conservation and transfers, and environmental and recreational flows) continue to meet and develop data and information for the reports on their respective subject matters. The workgroups will be reviewing draft reports within the next couple of weeks, and the reports are scheduled to be published in the late summer of 2014. *(Ted Kowalski)*

MINUTE 319 IMPLEMENTATION—As we discussed at the May Board meeting, the United States and Mexico executed a “one time” pulse flow for environmental purposes, under Minute 319, in March, April, and May, 2014. The other work groups that were set up through Minute 319 (hydrology, pilot projects, All American Canal) continue to meet to implement the terms of Minute 319. There are meetings on June 26, 2014, and scheduled for July, 2014. While progress within these groups is occurring, no major milestones within these workgroups have occurred recently. *(Ted Kowalski)*

GLEN CANYON DAM, LONG TERM EXPERIMENTAL AND MANAGEMENT PLAN (LTEMP)—The Bureau of Reclamation (BOR) and the National Park Service (NPS) are still developing the models to evaluate the alternatives for Glen Canyon Dam operations under this EIS process. At the recent UCRC meeting and a recent TWG meeting, the co-lead agencies have presented an “emerging consensus alternative.” The Basin States are still analyzing some of the components of this newly proposed alternative. There are several meetings scheduled in July to explore the aspects of this alternative. *(Ted Kowalski)*

UPPER COLORADO RIVER COMMISSION (UCRC) SUMMER MEETING—The UCRC held its annual summer meeting and work session in Jackson, Wyoming, in conjunction with the Salinity Forum. One of the major issues that the UCRC worked on was the development of a contingency plan. The work on a contingency plan continues despite the relatively good water year that occurred in 2014. The Board will be updated on the contingency planning work during the Board meeting. *(Ted Kowalski)*

~STATEWIDE~

GROUND WATER COMMISSION MEETING—The Ground Water Commission (GWC) held its quarterly meeting on May 16, 2014 in Castle Rock, CO. The agenda items included routine reports and a presentation on ground water level measurements in the Designated Basins by Ralf Topper of the DWR staff. In the Ground Water Management District reports, most reported recent moisture and a good outlook; the exception was from the Southern High Plains in southeastern Colorado, where conditions are drier now than in the 1930s.

The Ground Water Commission and District representatives discussed the recent passage of HB14-1052 and the need for coordination of enforcement actions between the GWC and Districts. There was also discussion of the ongoing development of Colorado's Water Plan and the need for the Plan to include ground water issues; interested parties were encouraged to submit comments online. The Ground Water Commission will hold its next regular meeting on August 15, 2014. For more information visit:

<http://water.state.co.us/groundwater/CGWC/Pages/default.aspx>. (*Andy Moore*)

~COLORADO RIVER BASIN~

UPPER COLORADO RIVER WILD AND SCENIC STAKEHOLDER GROUP—

The Bureau of Land Management (BLM) Kremmling Field Office's Proposed Resource Management Plan (RMP)/Final Environmental Impact Statement (EIS) was released on March 21, 2014 and the Colorado River Valley Field Office's Proposed RMP/Final EIS was released on March 24, 2014 with both the Records of Decision (RODs) expected out by the end of September 2014. The joint BLM and US Forest Service (USFS) Final Wild and Scenic Rivers Suitability Report (Suitability Report) was released with each of the BLM's RMP/EISs. The USFS White River National Forest also issued a Draft ROD for adoption of the Suitability Report on April 7, 2014.

The Upper Colorado River Wild and Scenic Stakeholder Group (Stakeholder Group) held its regular meeting on May 15, 2014 in Summit County and its next regular meeting is scheduled for August 5, 2014 at the same location. The Stakeholder Group meeting included a presentation on Environmental Governance on the CO River by Pete Taylor and a 2014 Floatboating/Angling Survey update. The Stakeholder Group meeting also included discussions on a BLM Information Sharing Agreement, a potential new streamflow gaging station, finances, conducting a sediment transport study and updates by the various workgroups. The Stakeholder Group held its annual field trip on June 6, 2014. For more information, see the following link:

<http://www.upcowildandscenic.com> (*Suzanne Sellers*)

COLORADO RIVER WATER AVAILABILITY STUDY (CRWAS) CONTINUATION—

The consultant has provided technical modeling support to Basin Round Table (BRT) consultants that have requested help, related to their individual Basin Implementation Plans (BIP). The review of existing technical studies, outlined in the scope of work, is ongoing. This task is to determine what has been done and what can be incorporated into this effort. The extension of the CRWAS Phase 1 surface water modeling data sets and updating the alternative hydrologies developed under CRWAS Phase 1 is beginning. The alternative hydrology will be using the Coupled Model Intercomparison Project Phase 5 (CMIP5) climate modeling results. (*Ray Alvarado*)

COLORADO RIVER WATER USE—As of May 5, 2014, the Lake Mead water level was at 1093 feet with 11.19 million acre-feet (MAF) of storage, or 43% of capacity, while the Lake Powell water level was at 3579 feet with 9.82 MAF of storage, or 40% of capacity. Total system active storage as of May 4 was 28.10 MAF, or 47% of capacity, which is 2.99 MAF less than one year ago when system storage was 52% of capacity. (*Andy Moore*)

UPPER COLORADO RIVER RECOVERY PROGRAM—With above-average snowpack and runoff in the Upper Colorado River basin this year, spring peak flows in the 15-Mile Reach met and exceeded the wet year target of 23,500 cfs for 6 days from May 31st through June 5th. Flows briefly approached but did not exceed flood levels.

Because of the high flows and concerns about flooding in the Grand Valley area, reservoir operators communicated regularly about planned operations, but Coordinated Reservoir Operations (CROS) to further augment the spring peak were not performed.

All major reservoirs in the basin have filled or are expected to fill, including the pools of water in Granby Reservoir, Wolford Reservoir and Ruedi Reservoir that are dedicated for late summer augmentation of flows to benefit endangered fish habitat. Discussions of releases from those pools will begin as flows decrease to summer levels.

The high spring flows have been accompanied by large amounts of debris, causing significant difficulties for operators of diversion structures throughout the basin. The Shoshone powerplant has been offline for several months due to failure of its trash rakes this spring to adequately remove the debris. New trash rakes are scheduled to be installed in mid-July and the powerplant is expected to come online shortly thereafter. Irrigation companies in the Grand Valley have faced similar challenges with their intake structures and with the fish screens and fish passages, but have managed to keep the fish ladder operational and the fish screens operating when possible. (*Michelle Garrison*)

~GUNNISON RIVER BASIN~

UPPER COLORADO RIVER RECOVERY PROGRAM—Hydrologic conditions in the Gunnison River basin were mixed. The Upper Gunnison experienced above-average snowpack and runoff, while conditions in the North Fork were near average and the Uncompahgre was slightly below average. Overall the basin had slightly above-average snowpack and runoff.

Relying on the Record of Decision (ROD) for the Aspinall Unit, flow targets for the lower Gunnison River are set based upon forecasted inflow to Blue Mesa Reservoir. As seen in the EIS modeling results, this can be problematic when conditions in other parts of the basin are drier than the Upper Gunnison. Based on their current interpretation of the ROD, Reclamation made large releases from the Aspinall Unit to attempt to meet moderately wet year peak flow targets in the lower Gunnison. Moderately wet year targets include peak flow targets of up to 10 days of bankfull flow of 14350 cfs and up to 40 days of half-bankfull flow of 8070 cfs. Full use of the powerplant turbines, the bypass tubes and the spillways of Blue Mesa, Morrow Point and Crystal reservoirs were required to make releases of that size. Even with Reclamation releasing

the maximum amount possible from the Aspinall Unit, the bankfull target of 14350 cfs was not met due to low to average flows elsewhere in the basin. Peak flows of 12000 - 12500 cfs were achieved for 3 days. Reclamation continued to maximize releases from the Aspinall Unit to attempt to meet the half-bankfull flow targets. Again drier conditions in other tributaries posed challenges. The half-bankfull flow targets were met for approximately 23 days, but could not be sustained for 40 days.

Reliance upon large releases from the Aspinall Unit for most of the desired flow in the lower Gunnison basin created impacts to the Gunnison basin and its economy. Blue Mesa Reservoir will not fill after foregoing several hundred thousand acre-feet of storable inflow. Spillway inspections will be required and repairs may be required. Flows below the Gunnison Tunnel were far too high for popular fishing and rafting activities. While flows at Delta remained below flood levels, precautionary measures had to be taken at the water treatment plant. Much of the released water bypassed the power plants and cannot be used for hydropower later in the year. Morrow Point's power facilities could not be used for peaking power.

Because this was the first year of high releases since the signing of the ROD, there is much interest in the impacts to the river, fish habitat, storage in Blue Mesa reservoir, flat water recreation, river recreation, hydropower and the local economy. CWCB, AG and CPW staff will participate in any future discussions of the impacts, interpretation of the ROD, and suggestions for future operations. (*Michelle Garrison*)

~PLATTE RIVER BASIN~

PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM—The Platte River Recovery Implementation Program (PRRIP) Governance Committee (GC) held its regular meeting on June 10-11, 2014 in Cheyenne, WY. Agenda items included presentations and discussions on the Kearney Canal sedimentation analysis, a J2 Reservoir construction update, habitat creation by Independent Science Advisory Committee (ISAC) members, the proposed CNPPID water storage contract, and other routine reports. Other agenda items included approval of the Independent Science Review services contract, funding a grant for the Platte River Habitat Partnership, expansion of the Platte River Recreation Access Program, and various land acquisition/land disposal related transactions. CWCB staff also participated in Finance Committee (FC), Technical Advisory Committee (TAC) and Land Advisory Committee (LAC) meetings. The next Governance Committee meeting will be held on September 9-10, 2014 in Kearney, NE. For more information, please visit: <http://www.platteriverprogram.org/Pages/default.aspx>. (*Suzanne Sellers*)

SOUTH PLATTE DECISION SUPPORT SYSTEM (SPDSS)—DWR is continuing to monitor observation wells in the Sterling area and has a website where updated information can be obtained on the monitoring efforts. As part CWCN's Project's Bill (SB12S-002), DWR is looking into the high groundwater issue around the Gilcrest/LaSalle area. The CWCB has selected Brown and Caldwell to do the data extension of the alluvial groundwater model to include the years 2006-2012. Due to the State moving to a new financial platform and the focus of procurement personnel on this transition, contracting in general will be delayed until the July time period.

The surface water modeling within the South Platte basin is ongoing with all vendors making good progress in developing working models, starting by a creating a network of key structures within each basin and understanding the water management issues. Natural flow estimates have been calculated and being reviewed by CWCB staff. This is a critical step in the modeling process, where 80 percent of the time is spent. *(Ray Alvarado)*

IRRIGATED ACREAGE UPDATE—The irrigated acreage for the North Platte, South Platte and all western slope basins have had the 2010 and past irrigated acreage snapshots updated to reflect better knowledge of what structures were irrigating parcels and by what source. As with all CDSS products, as better information is obtained, updates are made to reflect the better knowledge and understanding. These changes will be incorporated within the CRWAS Phase 2 and SPDSS efforts. *(Ray Alvarado)*

TRI LAKES UPDATE (CHATFIELD, CHERRY CREEK, AND BEAR CREEK RESERVOIRS) —The U.S. Army Corps of Engineers (USACE) has been actively working on various initiatives related to a group of three federal reservoirs in the Denver metro area known as the Tri-Lakes project. Recently, a Record of Decision (ROD) and federal approval memorandum were released for reallocation of storage space at Chatfield Reservoir, which represents a key milestone in the process. On another front, USACE has been working towards increased public awareness and potential dam safety measures to address low-frequency hydrologic concerns at Cherry Creek Reservoir. Along those lines, CWCB staff is aware of discussions between the Omaha District and local emergency management offices. Lastly, the Omaha District may begin a federally funded technical reconnaissance study to look at the possibility of water supply storage in Bear Creek Reservoir. CWCB staff is following that topic closely and will update the Board as any new information becomes available. *(Tom Browning)*

~SAN JUAN/MIGUEL-DOLORES RIVER BASIN~

LOWER DOLORES PLAN WORKING GROUP UPDATE—The Lower Dolores Plan Working Group's Legislative Subcommittee continues to meet monthly, and has worked through a long list of issues related to the proposed National Conservation Area (NCA). This list was generated by the Group and also in several meetings last year with the local BLM office (Tres Rios). The issues include how to address roads in the NCA, utility corridors, and the fact the NCA involves both BLM and USFS lands. For some issues, the Subcommittee crafted a legislative principle, and for others, actual proposed legislative language. The re-drafted Native Fish Implementation, Monitoring and Evaluation Plan was finalized in June 2014 and the DWCD Board voted to adopt the plan at its June 12 meeting. Other groups are in the process of reviewing and considering the Plan. The water/fish/flows legislative principles that will eventually lead to NCA legislative language have now been agreed to by the Legislative Committee and will be vetted with partners and key groups over the summer. A subgroup of the Legislative Committee has met three times to work on draft water/fish/flow language for the NCA legislation. Boundary meetings are ongoing with individual landowners. Outreach continues to be conducted with Montrose County, where the current Wilderness Study Area is located which, under the current NCA proposal, would become permanent Wilderness. A full Lower Dolores Plan Working Group meeting will be scheduled in the upcoming months to

update everyone, discuss ideas and hear any concerns. All Dolores River Dialogue participants will be invited to this meeting. Additional information on the Lower Dolores Plan Working Group can be found at <http://ocs.fortlewis.edu/drd/meetings.asp> (*Linda Bassi*)

RIVER PROTECTION WORKGROUP—The River Protection Workgroup (RPW) Steering Committee held its last regular meeting on May 16, 2014. The RPW Steering Committee's next meeting is scheduled for July 1, 2014 in Durango, CO. The Steering Committee is currently engaged in negotiations and development of consensus approaches for the protection of the five rivers and specific outstanding remarkable values (ORVs) in the San Juan River basin. At the May 16, 2014 meeting, the Wilderness Society and San Juan Citizen's Alliance presented an alternate proposal to the group as part of these negotiations. Both of the outstanding proposals include combinations of removal of suitability, wild and scenic designation and maintaining suitability within the five watersheds of the San Juan Basin. The Hermosa Creek Watershed Protection Act (HR1839) was heard in Committee and it is considered a high priority for Rep. Tipton and Senator Bennet to get a vote on the prior to recess this August. For more information, see the following link: <http://ocs.fortlewis.edu/riverprotection>. (*Suzanne Sellers*)

~AGENCY UPDATES~

RECENTLY DECREED ISF WATER RIGHTS—On June 8, 2014, the Division 6 Water Court decreed an instream flow water right to the CWCB on Red Creek in Case No. 6-13CW3020 for 1.85 cfs (April 1 – July 15) and 0.70 cfs (July 16 – March 31), with an appropriation date of January 29, 2013. The upstream terminus is the U.S. Forest Service boundary and the lower terminus is the confluence with Willow Creek. This ISF reach is approximately 4.0 miles long and flows in an easterly direction through parts of Routt County.

On June 8, 2014, the Division 6 Water Court decreed an instream flow water right to the CWCB on Government Creek in Case No. 6-13CW3018 for 3.6 cfs (May 1 – July 31), 1.0 cfs (August 1 – September 30) and 0.5 cfs (October 1 – April 30), with an appropriation date of February 1, 2013. The upstream terminus is the headwaters and the lower terminus is the Government Ditch No. 2 headgate. This ISF reach is approximately 5.03 miles long and flows in a westerly direction through parts of Jackson County. (*Rob Viehl*)

CWCB WATER EFFICIENCY GRANT FUND PROGRAM (WEGP) UPDATE—Over the last few years of research/projects along with evaluating this grant program, CWCB staff is identifying trends in water efficiency & drought planning and implementation. It is an on-going discussion as staff considers a guideline update for this grant program.

No grant applications were received since the May 2014 Director's Report

Three grants were approved since the last Board meeting:

- **Keystone Center** – Land Use Planning & Water Nexus Meetings (\$45,000)
- **Mount Crested Butte Water & Sanitation District/Skyland Metropolitan District** – Water Conservation Plan (\$17,650)
- **Town of Monument** – Water Loss Control Audit (\$22,573)

The following are deliverables sent to the CWCB since the March 2014 CWCB Board Meeting:

- **Town of Erie** – Water Conservation Plan Update – *50% Progress Report*
- **City of Louisville** – Water Conservation Plan – *50% 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

Plans in review

- **Pagosa Area Water and Sanitation District** – The District submitted a draft Drought Management Plan in January, CWCB has reviewed the plan and provided feedback to the District and they are working to incorporate CWCB comments. (*Taryn Finnessey & Ben Wade*)

Water Efficiency Plans

Approved Plans

None approved since last board meeting

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

- **Snowmass Water and Sanitation District**
- **Town of Telluride**
- **Town of Ouray**

Water Efficiency Plans in review

- **Town of La Junta** – Final review of the Plan was completed by CWCB staff in April 2011 and additional comments were sent back to the Town in May 2011. Resubmission pending.
- **South Adams County Water & Sanitation District** – CWCB received the Plan on November 3, 2011. CWCB staff reviewed the plan and sent comments to the District on January 30, 2012. Resubmission pending.
(*Kevin Reidy & Ben Wade*)

GOVERNOR’S WATER AVAILABILITY TASK FORCE—The next Water Availability Task Force meeting will be on July 23, 2014 from 9:30-11:30am at the Colorado Parks & Wildlife Headquarters, 6060 Broadway, Denver, CO in the Bighorn Room. Please check the

website (<http://cwcb.state.co.us/public-information/flood-water-availability-task-forces/Pages/main.aspx>) for additional information. (*Ben Wade*)

WATER CONSERVATION TECHNICAL ADVISORY GROUP (WCTAG) UPDATE—

The WCTAG has not met since December but will reconvene at a future date to discuss the water conservation section of Colorado's Water Plan. (*Kevin Reidy*)

1051 REPORTING WEB PORTAL UPDATE—The online 1051 reporting web portal is now available for covered entities to use and enter data. The website is www.cowaterefficiency.com and users can log on and have an account created for their respective entity to enter conservation data. CWCB staff and Leonard Rice Engineers conducted a live webinar/in-person workshop on May 28 for about 25 participants. The workshop focused on any outstanding issues participants were having entering data and what kind of output tools the participants wanted to extract data in the future. June 30 is the deadline for data entry but water providers will have the ability to enter data in after that date. To date, we have 51 providers total signed up in the database with 6 entities who have submitted reports. (*Kevin Reidy*)

DROUGHT UPDATE—May was wet and cool across most of the state and resulted in improvements to drought conditions throughout eastern Colorado. However, June, to-date, has seen just 33% of average precipitation, with portions of southern Colorado also seeing above average temperatures. Warm and dry conditions, such as these, can counteract gains from precipitation quickly. Reservoir storage remains high in the north but below average in the southern half of Colorado. Southeastern Colorado continues to struggle with blowing dust due to high winds and dry soil moisture. The hope that a strong El Nino event would bring significant moisture to the plains has largely dissipated with stagnant ENSO conditions. Water providers indicated that storage levels are strong, with many reservoirs near or at capacity (and some spilling), and they are not imposing above normal watering restrictions. (*Taryn Finnessey*)

M & I WATER CONSERVATION/REUSE WORKGROUP MEETINGS—Kevin Reidy attended a meeting in Albuquerque on May 30. The group discussed some of the case studies from the various states and what additional data was needed for those, the water conservation savings data that has been collected to date and the opportunities, considerations and potential future actions for the draft document for Phase I. No date set for next meeting but possibly in August. (*Kevin Reidy*)

PERSONNEL—Ray Alvarado, who has been with the CWCB Staff for many years, has announced his retirement for August 31, 2014. He was instrumental in developing the Decision Support Systems for the Colorado River, the South Platte River, and the Rio Grande River. He will be sorely missed. We wish him all the best in his future endeavors. (*Ted Kowalski*)

~ATTACHEMENTS~

- 01 Stream and Lake Protection Section De Minimum Cases
- 02 Water Project Construction Loan Program Report
- 03 Instream Flow and Natural Lake Level Program – Summary of Resolved Cases
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Director's Report Attachment – July 16-17, 2014 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.

Case No.	Applicant	Stream/ Case Number	ISF Amount	Percent Injury	Cumulative % Injury	Previous Cases
2-14CW004	Mountain Mutual Water Augmentation Company	Fourmile Creek/ 2-00CW101	5.8 cfs (summer) 2.75 cfs (winter)	0.01259 % 0.02655 %	0.03402 % 0.07175 %	1
2-14CW004	Mountain Mutual Water Augmentation Company	Fourmile Creek/ 2-00CW102	8.2 cfs (summer) 4.9 cfs (winter)	0.00890 % 0.01490 %	0.02406 % 0.04027 %	1
2-14CW004	Mountain Mutual Water Augmentation Company	Fourmile Creek/ 2-00CW103	9.4 cfs (summer) 4.5 cfs (winter)	0.00777 % 0.01622 %	0.22312 % 0.22163 %	2
2-14CW004	Mountain Mutual Water Augmentation Company	Fourmile Creek/ 2-00CW104	9.1 cfs (summer) 4.75 cfs (winter)	0.00802 % 0.01537 %	0.02168 % 0.04154 %	1
2-14CW004	Mountain Mutual Water Augmentation Company	Fourmile Creek/ 2-00CW105	9.5 cfs (summer) 5.0 cfs (winter)	0.00768 % 0.01460 %	0.02077 % 0.03946 %	1
2-14CW004	Mountain Mutual Water Augmentation Company	Fourmile Creek/ 2-00CW106	9.5 cfs (summer) 3.5 cfs (winter)	0.00768 % 0.02086 %	0.04320 % 0.05638 %	1
2-94CW041	Randall & Anne Salsberry	Chalk Creek/ 2-77W4662	18 cfs (summer) 18 cfs (winter)	0.00237 % 0.00024 %	0.15863 % 0.01145 %	27
2-96CW017	Nick L. & Donna Mausbach	Cottonwood Creek/ 2-79CW115	20 cfs (summer) 20 cfs (winter)	0.00213 % 0.00021 %	0.65122 % 0.31123 %	152
2-96CW017	William E. & Donna M. Watson	Cottonwood Creek/ 2-79CW115	20 cfs (summer) 20 cfs (winter)	0.00213 % 0.00021 %	0.65335 % 0.31144 %	153
2-92CW084	Julie Sinclair - Julie Fuqua Revocable Trust	Pass Creek/ 2-76W4438	2 cfs (summer) 2 cfs (winter)	0.01484 % 0.00428 %	0.01484 % 0.02949 %	1
5-14CW3028	Clifford Cerise Ranch Com., LLLP	Roaring Fork River/ 5-85CW639	145 cfs (summer) 75 cfs (winter)	0.00360 % 0.00478 %	0.62308 % 0.90800 %	17
5-14CW3033	Smalley Family Revocable Trust	Cattle Creek/ 5-85CW626	4 cfs (summer) 4 cfs (winter)	0.11490 % 0.03136 %	0.43719 % 0.14700 %	13

**WATER PROJECT CONSTRUCTION LOAN PROGRAM
LOAN REPAYMENT DELINQUENCY REPORT
LOAN FINANCIAL ACTIVITY REPORT
JULY 2014**

LOAN REPAYMENT DELINQUENCY

Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2013 through June 2014. The effective due date of the payment is inclusive of the Board's current 30 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 2014 totaled 275. There were four loan payments not received on time during this period. The loan payments from Shultz Farm, Inc. and Military Park Reservoir Company were less than 30 days late. The loan payment from Fuchs Ranches, Inc. was over 30 days late. The loan payment from John Peroulis & Sons, Partnership was over 60 days late. Thus, the on-time performance for the total repayments due was 99% in compliance or 1% not in compliance.

LOANS PAID OFF

During Fiscal Year 2014, there were six loans repaid in full to the Construction Fund and one loan repaid in full to the Severance Tax Perpetual Base Fund, detailed as follows:

	Borrower	Contract No.	Original Loan	Principal Received
1	Dolores Water Conservancy District	C150153	\$ 598,058	\$ 379,801
2	Farmers Reservoir and Irrigation Company	C150297	\$ 3,516,603	\$ 1,516,603
3	Henrylyn Irrigation District	C153328	\$ 653,000	\$ 198,301
4	Ignacio, Town of	C153630	\$ 180,000	\$ 141,497
5	Preisser, Rodney	C153824	\$ 90,000	\$ 75,407
6	Upper Platte and Beaver Canal Company	C150144	\$ 56,673	\$ 8,923
	Totals for Construction Fund		\$ 5,094,335	\$ 2,320,533
7	Platte Valley Irrigation Company	C150235	\$ 185,777	\$ 185,777
	Totals for Severance Tax PBF		\$ 185,777	\$ 185,777

LOAN FINANCIAL ACTIVITY

Loan Financial Activity relative to the Water Project Construction Loan Program for Fiscal Year 2014 is summarized as follows: Funds received relative to loans in repayment totaled \$34.3 M for this year. Funds disbursed relative to new project loans totaled \$28.0 M for this year. Net activity resulted in \$6.3 M 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 \$17.6 M in receivables and \$18.8 M in disbursements for a total net activity of \$1.2 M disbursed over received. The STPBF consists of \$16.7 M in receivables and \$9.2 M in disbursements for a total net activity of \$7.5 M received over disbursed.

[See details of the table on the following page]

COLORADO WATER CONSERVATION BOARD

FINANCIAL ACTIVITY REPORT FOR FISCAL YEAR 2014

CONSTRUCTION FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2013	\$ 801,388	\$ 383,210	\$ 1,184,598	\$ 414,940	\$ 769,658
August 2013	\$ 246,382	\$ 240,889	\$ 487,271	\$ 1,884,780	\$ (1,397,509)
September 2013	\$ 193,739	\$ 1,094,495	\$ 1,288,234	\$ 936,836	\$ 351,398
October 2013	\$ 748,038	\$ 648,802	\$ 1,396,840	\$ 1,758,666	\$ (361,826)
November 2013	\$ 516,517	\$ 407,826	\$ 924,344	\$ 1,473,350	\$ (549,007)
December 2013	\$ 496,691	\$ 267,545	\$ 764,236	\$ 2,123,527	\$ (1,359,291)
January 2014	\$ 113,989	\$ 86,048	\$ 200,037	\$ 4,092,239	\$ (3,892,202)
February 2014	\$ 267,573	\$ 155,210	\$ 422,783	\$ 1,297,066	\$ (874,283)
March 2014	\$ 2,442,250	\$ 459,396	\$ 2,901,647	\$ 240,751	\$ 2,660,896
April 2014	\$ 941,852	\$ 433,082	\$ 1,374,935	\$ 985,182	\$ 389,752
May 2014	\$ 2,452,573	\$ 3,378,327	\$ 5,830,900	\$ 2,156,761	\$ 3,674,139
June 2014	\$ 544,045	\$ 278,175	\$ 822,220	\$ 1,491,635	\$ (669,415)
FY 2014 Totals	\$ 9,765,038	\$ 7,833,007	\$ 17,598,044	\$ 18,855,734	\$ (1,257,690)

SEVERANCE TAX PERPETUAL BASE FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2013	\$ 205,385	\$ 217,528	\$ 422,913	\$ -	\$ 422,913
August 2013	\$ 199,053	\$ 317,810	\$ 516,864	\$ -	\$ 516,864
September 2013	\$ 2,647,007	\$ 1,367,603	\$ 4,014,609	\$ 51,256	\$ 3,963,353
October 2013	\$ 600,691	\$ 450,106	\$ 1,050,797	\$ 17,095	\$ 1,033,703
November 2013	\$ 81,999	\$ 107,775	\$ 189,773	\$ -	\$ 189,773
December 2013	\$ 61,047	\$ 102,155	\$ 163,203	\$ 458,578	\$ (295,376)
January 2014	\$ 3,123,577	\$ 81,111	\$ 3,204,688	\$ 622,401	\$ 2,582,287
February 2014	\$ 137,974	\$ 121,642	\$ 259,616	\$ 1,072,209	\$ (812,593)
March 2014	\$ 859,320	\$ 352,482	\$ 1,211,802	\$ 1,520,924	\$ (309,122)
April 2014	\$ 3,054,051	\$ 52,863	\$ 3,106,913	\$ 1,394,693	\$ 1,712,221
May 2014	\$ 1,498,498	\$ 959,693	\$ 2,458,191	\$ 2,316,859	\$ 141,332
June 2014	\$ 46,528	\$ 40,048	\$ 86,576	\$ 1,707,832	\$ (1,621,256)
FY 2014 Totals	\$ 12,515,130	\$ 4,170,815	\$ 16,685,945	\$ 9,161,845	\$ 7,524,100

GRAND TOTALS	\$ 22,280,167	\$ 12,003,822	\$ 34,283,989	\$ 28,017,580	\$ 6,266,410
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**July 16-17, 2014 Board Meeting
Instream Flow and Natural Lake Level Program
Summary of Resolved Opposition Cases**

The Board's Instream flow ("ISF") Rule 8i. 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; the Director has authorized the Attorney General's Office to enter into stipulations that protect the CWCB's water right(s).

(1) Case No. 1-05CW302 – Application of Clear Creek Board of County Commissioners

The Board ratified this statement of opposition at its March 2006 meeting. The Board's main objective in filing the statement of opposition in this was to ensure that the Applicant's proposed plan for augmentation does not injure the Board's instream flow rights in the Clear Creek Basin by not replacing depletions in time, amount, or place. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow rights will not be injured.

The CWCB holds 14 ISF water rights in the Clear Creek Basin that could have been injured by this application. In addition to the standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicant has agreed to protective terms and conditions that achieve the following:

- Pursuant to decree terms, before Applicant approves inclusion of a structure upstream of an ISF water right, it will prepare an analysis of available flows on the particular stream to be depleted. If the analysis shows insufficient flows above the ISF amount, Application shall either (1) not include the new structure in its plan; or (2) develop upstream storage to provide replacement water for the new structure.
- By agreement and pursuant to C.R.S. § 37-92-102(3)(b), in recognition of historical water uses and practices that proceeded appropriations of certain instream flow rights, Silver Plume and Mill Creek Park diversions are limited when the ISF is not satisfied according to decree terms.

(2) Case No. 1-12CW195 – Application of Town of Alma

The Board ratified this statement of opposition at its November 2012 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed plans for augmentation and exchanges do not injure the Board's instream flow rights on Dolly Varden Creek, Buckskin Creek, and the Middle Fork of South Platte River by not replacing depletions in time, place, or amount. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured.

The CWCB holds the following ISF water rights that could have been injured by this application:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
1-80CW064	Middle Fork South Platte River	6/12	1/30/1980	South Platte	Park
1-80CW066	Middle Fork South Platte River	4	1/30/1980	South Platte	Park
1-80CW67	Middle Fork South Platte River	8/16	1/30/1980	South Platte	Park
1-79CW194	Dolly Varden Creek	1.5	3/14/1979	South Platte	Park
1-76W8220	Buckskin Creek	5	1/14/1976	South Platte	Park

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

- By agreement and pursuant to C.R.S. § 37-92-102(3)(b), in recognition of historical water uses and practices that proceeded appropriations of the listed instream flow rights, certain diversions to be augmented under this plan are limited when the ISF is not satisfied according to decree terms.

(3) Case No. 4-10CW207 – Application of John S. Hendricks and Western Sky Investments, LLC

The Board ratified this statement of opposition at its March 2011 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed change of water right and plans for augmentation and exchange do not injure the Board's instream flow water rights on West Creek by expanding historical use or not replacing depletions in time, place, or amount. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water right will not be injured.

The CWCB holds the following ISF water right that could have been injured by this application:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
4-77W3296	West Creek	6	1/19/1977	Lower Dolores	Mesa

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

- Applicant agreed to some engineering limitations on its requested change of water right.
- In the instance of a CWCB call on West Creek, certain decree terms will be invoked such as curtailment of junior diversions that are not replaced under the augmentation plan or offset with return flows above the call.

(4) Case No. 6-10CW068 – Application of Needmore Ranch, LLC

The Board ratified this statement of opposition at its March 2011 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's: (1) proposed change of use, which may expand diversions, (2) claims for a senior appropriation date for additional uses, and (3) claims to pre-date the CWCB's instream flow water right, do not injure the Board's instream flow water rights on Elk Creek and Big Creek if the existing uses are not verified.

The CWCB holds the following instream flow water rights that could be injured by this application:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
6-77W1331	Elk River	65	9/23/1977	Upper Yampa	Routt
6-77W1334	Big Creek	15	9/23/1977	Upper Yampa	Routt

- Applicant dropped its change claim and sought only correction and confirmation of water rights. CWCB agrees that no physical change occurred, and that the final decree here simply corrected and confirmed a previously decreed water right.

(5) Case No. 3-13CW3003 – Application of Entelco Corporation

The Board ratified this statement of opposition at its July 2013 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed application for absolute surface rights does not injure the Board's instream flow water right on Elk River by awarding Applicant pre-existing status without adequate verification. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water right will not be injured.

The CWCB holds the following ISF water rights that could have been injured by this application:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
6-77W1279	Elk River	65	9/23/1977	Upper Yampa	Routt
6-77W1331	Elk River	65	9/23/1977	Upper Yampa	Routt

The Applicant has agreed to protective terms and conditions that achieve the following:

- By agreement and pursuant to C.R.S. § 37-92-102(3)(b), in recognition of historical water uses and practices that proceeded appropriations of the listed instream flow rights, certain diversions to be augmented under this plan are limited when the ISF is not satisfied according to decree terms.

(6) Case No. 6-13CW3004 – Application of Plug Properties, LLC

The Board ratified this statement of opposition at its July 2013 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed application for absolute surface rights does not injure the Board's instream flow water right on Elk River by awarding Applicant pre-existing status without adequate verification. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water right will not be injured.

The CWCB holds the following ISF water right that could have been injured by this application:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
6-77W1331	Elk River	65	9/23/1977	Upper Yampa	Routt

The Applicant has agreed to protective terms and conditions that achieve the following:

- By agreement and pursuant to C.R.S. § 37-92-102(3)(b), in recognition of historical water uses and practices that proceeded appropriations of the listed instream flow rights, certain diversions to be augmented under this plan are limited when the ISF is not satisfied according to decree terms.



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 721
Denver, CO 80203

Memorandum

To: Colorado Water Conservation Board Members
From: Anna Mauss, P.E. Loan Marketing
Finance Section
Date: July 1, 2014
Subject: **Directors Report, May 21-22, 2014 Board Meeting
Finance- Current 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 two 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						
Donald Shahan	Crowley Dam Rehabilitation	May 1, 2014	San Juan / Dolores	This project involves the replacement of the outlet pipe and spillway repair at Crowley Reservoir.	\$260,000	\$234,000
Totals					\$260,000	\$234,000

The Finance Section also compiles a list of potential borrowers/projects for the Water Project Loan Program. This list represents borrowers that have contacted the CWCB about a potential need for funding but have not submitted a loan application and/or a loan feasibility study.

LOAN PROSPECTS

Basin	Last Contact	BORROWER	PROJECT NAME	PROJECT COST	LOAN AMOUNT
South Platte					
	11-Jan	East Larimer County Water District	Rigdon Storage Project		\$3,000,000
	11-Oct	NISP Participants	NISP		\$30,000,000
	11-Dec	Pinehurst Country Club	Harriman Reservoir	\$5,000,000	\$500,000
	12-Feb	McKay Lateral	Ditch Lining Project		\$50,000
	12-Jun	Foothills Park & Recreation	Reservoir Expansion	\$10,000,000	\$900,000
	12-Oct	Shamrock Irrigation Company	Reservoir Rehabilitation		\$100,000
	13-Dec	Julesburg Irrigation District	Flume Repair		\$150,000
	13-Dec	Harry Lateral Ditch Company	Ditch Lining Project		\$70,000
	14-Jun	Gaynor Lakes HOA	Dredging Project	\$1,000,000	\$900,000
	14-May	Bow Mar Water and Sanitation District	Water Meter Replacement		\$300,000
	14-May	Colorado Trout Group	Reservoir Rehabilitation		\$300,000
				TOTAL	\$36,270,000
Arkansas					
	11-Sep	Ditch and Reservoir company	Big Johnson Reservoir		\$8,000,000
	12-Oct	Highline Canal Company	Water Rights Purchase	\$4,500,000	\$4,100,000
	12-Feb	Colorado City Metro District	Beckwith Dam Repair		\$500,000
	13-Apr	City of Walsenburg	Reservoir(s) Rehabilitation		\$6,000,000
	13-Dec	Stonewall Springs, LLC	Reservoir Construction	\$6,000,000	\$5,500,000
	13-Nov	Two Rivers Water & Farming	Augmentation Project		\$1,000,000
	14-Feb	Colorado Springs Fly Casting Club	Reservoir Rehabilitation		\$450,000
	13-Nov	Zinno Water	Water Acquisition		\$1,200,000
				TOTAL	\$26,750,000
San Miguel/ Juan					
	11-Feb	City of Ouray	Red Mountain Ditch Rehabilitation	\$200,000	\$200,000
	14-Jun	Thompson - Epperson Ditch Company	Ditch Rehabilitation Project		\$100,000
				TOTAL	\$300,000

Colorado					
		Highland Ditch Co	Ditch Rehabilitation Project	\$200,000	\$200,000
		Ian Carney - Felix Tornare	Polaris Reservoir Rehabilitation	\$500,000	\$500,000
				TOTAL	\$700,000
Gunnison					
	12-Oct	Fire Mountain Canal & Reservoir Co.	New Reservoir		\$500,000
	13-Sep	West Reservoir Ditch Company	Reservoir Rehabilitation		\$500,000
	14-Feb	Shavano Falls Hydro	Hydroelectric Project	\$7,500,000	\$6,750,000
	14-May	West Reservoir and Ditch Company	Reservoir Rehabilitation		\$450,000
				TOTAL	\$8,200,000
Rio Grande					
	13-Jun	Manasa Land & Irrigation Co.	Ditch Rehabilitation		\$1,000,000
	14-May	Baca Grande Water and Sanitation District	Water Rights Purchase		\$1,000,000
				TOTAL	\$2,000,000
Yampa					
	13-Dec	R Lazy J Ranch	New Reservoir and Diversion Structure Rehab	\$1,000,000	\$750,000
				TOTAL	\$750,000
				TOTAL	\$74,970,000

Information shown is based on current staff knowledge and will likely change as Loan Prospects develop

Recent inquiries:

Dixon Reservoir Water Company - Reservoir Rehabilitation
 Raymond Dairy - Ditch Lining (NRCS)
 Moonlight Ditch - Ditch Lining (NRCS)
 Supply Irrigating Ditch Company - Diversion Structure Rehabilitation
 Independent Reservoir - Dredging
 Stucker Mesa Domestic Water Company - Water Supply Project
 Sterling Irrigation Company - Emergency Flood Loan

**COLORADO****Colorado Water
Conservation Board**

Department of Natural Resources

1313 Sherman Street
Denver, CO 80203

P (303) 866-3441

F (303) 866-4474

John Hickenlooper, Governor

Mike King, DNR Executive Director

James Eklund, CWCB Director

TO: Colorado Water Conservation Board Members**FROM: Kirk Russell, P.E., Chief
Finance Section****DATE: July 16-17, 2014****AGENDA ITEM: Directors Report
Emergency Loan Status Report**

As a result of the unprecedented floods of September 2013, the CWCB awarded zero-interest and no-payment 3-year bridge loans to water suppliers. Typically the loans are utilized by borrowers to replace diversion structures and reconstruct the ditch delivery system.

To date, the CWCB has authorized twenty three (23) projects totaling \$18.7 million. There are currently eighteen (18) projects under contract ready to receive loan funds for eligible project expenses.

The Union Ditch Company has elected to complete their repairs with cash funds so the project will be deauthorized in November 2014.

The attached spreadsheet summarizes the status of the projects. A detailed description can be found on the subsequent Data Sheets.



1	Beeman Irrigation > Emergency Beeman Diversion Dam Repair C150385	Weld	\$	2,020,000	100%	1/2014- 5/2014	95%	MS	Project 95% complete. Waiting on installation of appurtanences.....walkways, gauges, handrails, etc.
2	Big Elk Meadows Association > Emergency Raw Water Storage Repair C150391	Boulder/ Larimer	\$	1,515,000	75%	6/2014- 3/2015	0%	MS	Bid opening is schedule for mid May, with construction scheduled to commence in June. Project includes the reconstruction of 5 dams in series. Only one dam, the lowest one, is jurisdictional.
3	Big Thompson and Platte River > Big Thompson & Platte River Diversion Structure Repair C150373	Larimer	\$	808,000	90%	5/2014- 6/2014	5%	MS	Design change complete. Project is now a siphon crossing the Little Thompson River, rather than an elevated pipe. Construction expected to commence 5/15/14
4	Boulder and Larimer County Irrigation > Boulder & Larimer Diversion Structure Repair C150374	Boulder & Larimer	\$	202,000	100%	1/2014- 4/2014	100%	MS	Construction Complete.
5	Butte Irrigation & Milling Company > Emergency Berm Repair C150382	Boulder	\$	277,750	100%	4/2014- 5/2014	100%	MS	Construction Complete.
6	Church Ditch Water Authority > Leyden Creek Crossing Repair C150377	Jefferson	\$	606,000	100%	1/2014- 5/2014	100%	MS	Construction Complete.
7	Consolidated Home Supply Ditch & Reservoir Co > Big Dam Diversion Structure Repair C150375	Larimer	\$	1,616,000	100%	1/2014- 10/2014	50%	MS	The project is 50% complete and running water. The dam will be topped off this fall after the irrigation season.
8	Consolidated Home Supply Ditch & Reservoir Co > George Rist Ditch Repair C150380	Larimer	\$	448,440	100%	2/2014- 5/2014	95%	MS	Project 95% complete. Waiting on installation of appurtanences.
9	Culver Ditch Company > Culver Mahoney Ditch Repair C150390	Boulder & Larimer	\$	151,500	100%	2/2014- 4/2014	100%	MS	Construction Complete.
10	Green Ditch Company > Emergency Green Ditch Channel Repair C150383	Boulder	\$	530,250	75%	5/2014- 6/2014	0%	MS	The project schedule and description has been revised to include only the river breach construction.....which should be completed prior to June 1. The diversion structure will be completed using other funds later in the fall.

Emergency Loan Design and Construction Status Report

Current Projects in Design or under Construction				Loan		Design		Construction		Status Description/Update
Borrower/Project		County	Amount	Status	Start/End	Status	PM			
11	Haldi Ditch Company > Emergency Haldi Ditch Reapir C150389	Boulder	\$ 50,500	100%	1/2014-3/2014	100%	MS	Construction Complete.		
12	Highland Ditch Company > Highland Ditch System Repairs C150369	Boulder	\$ 1,999,800	100%	10/2013-4/2014	100%	MS	Construction Complete.		
13	Ish Reservoir Company > Inlet Ditch & Diversion Structure Repair C150376	Boulder	\$ 207,050	100%	1/2014-4/2014	100%	MS	Construction Complete.		
14	Left Hand Ditch Company > Left Hand Ditch System Repairs C150370	Boulder	\$ 3,276,056	100%	10/2013-5/2014	85%	MS	Contractor removing debris and regrading river. Several projects are included in this loan. All are in different levels of completion. Major progress has taken place over the last two months. Project on schedule for completion 5/15/14		
15	North Poudre Irrigation Company > Fossil Creek Reservoir Diversion Structure Repair C150368	Larimer	\$ 481,770	100%	2014	0%	MS	The Poudre River is still running high. The Owner has re-scheduled construction for the fall.		
16	Oligarchy Irrigation Company > Oligarchy Irr. Ditch River Diversion Struct. Repair C150372	Boulder	\$ 1,262,500	100%	1/2014-5/2014	75%	MS	Project is on schedule for completion on or before May 15.		
17	Rough & Ready Irrigation Ditch Company > Rough & Ready River Diversion Struct.Repair C150371	Boulder	\$ 1,843,250	100%	1/2014-5/2014	75%	MS	Project is on schedule for completion on or before May 15.		
18	Sylvan Dale Ranch,LLP > Emergency Irrigation Pond Excavation C150392	Larimer	\$80,800	100%			MS	Construction Complete.		

Projects Under Contract SubTotal = \$ 17,376,666

Projects Not Under Contract

a	Davidson Ditch & Reservoir Company > Emergency Davidson Ditch Lining C150384	Boulder	\$ 37,370	In Contracting	MS	Very small project, owner may not utilize loan.					
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Kirk Russell, PE
Finance Section Chief

Emergency Loan Design and Construction Status Report

Current Projects in Design or under Construction				Loan			Design		Construction		Status Description/Update
Borrower/Project				County	Amount	Status	Start/End	Status	PM		
b	City of Evan, Water Activity Enterprise > Emergency Evans Town Ditch Repairs C150387			Weld	\$ 722,150	In Contracting		MS	City still negotiating with FEMA.		
e	Louden Irrigating Canal & Reservoir Company > Emergency Diversion Structure and Ditch Repair C150398			Larimer	\$121,200	In Contracting		MS	In Contracting		
c	Union Ditch Company > Emergency Union Ditch Repair C150381			Weld	\$ 202,000	In Contracting		MS	To be Deauthorized in November 2014		
d	Zweck and Turner Ditch Company > Zweck and Turner Ditch Repair C150388			Boulder	\$ 252,500	In Contracting		MS	Project just getting underway		

Not Under Contract SubTotal = \$ 1,335,220

Grand Total = \$ 18,711,886

**CWCB Water Project Loan Program
Project Data Sheet**

C150385

Borrower: Beeman Irrigating Ditch and
Milling Company

County: Weld

Project Name: Emergency Beeman
Diversion Dam Repair

Project Type: Diversion Rehabilitation

Drainage Basin/ District: South Platte / 2

Water Source: South Platte River

Total Project Cost: \$2,000,000

Funding Source: Severance Tax PBF

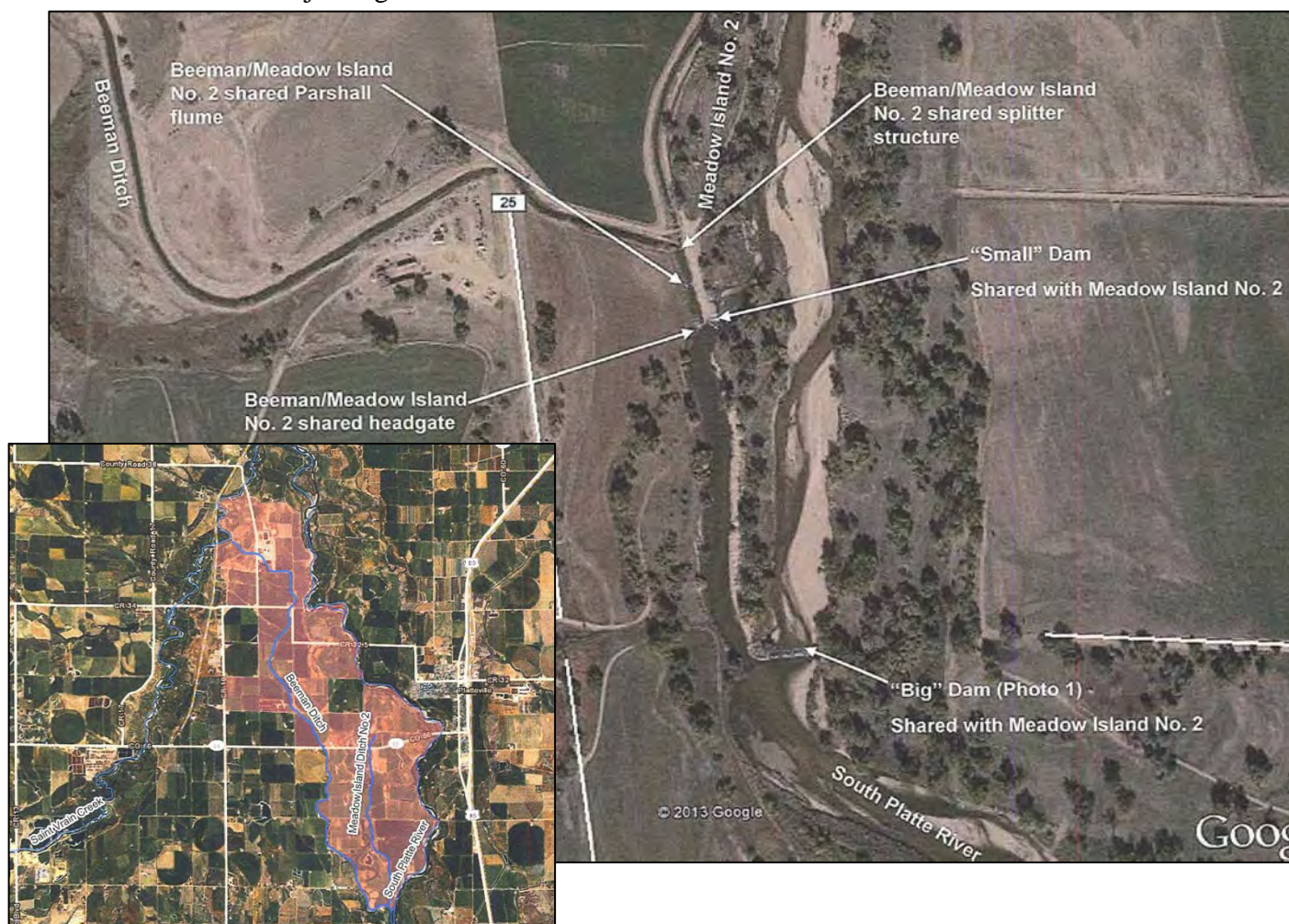
Type of Borrower: Agricultural

Average Annual Diversion: 10,586 AF

CWCB Loan: \$2,020,000
(with 1% service fee)

Interest Rate: 1.75% **Term:** 30-years

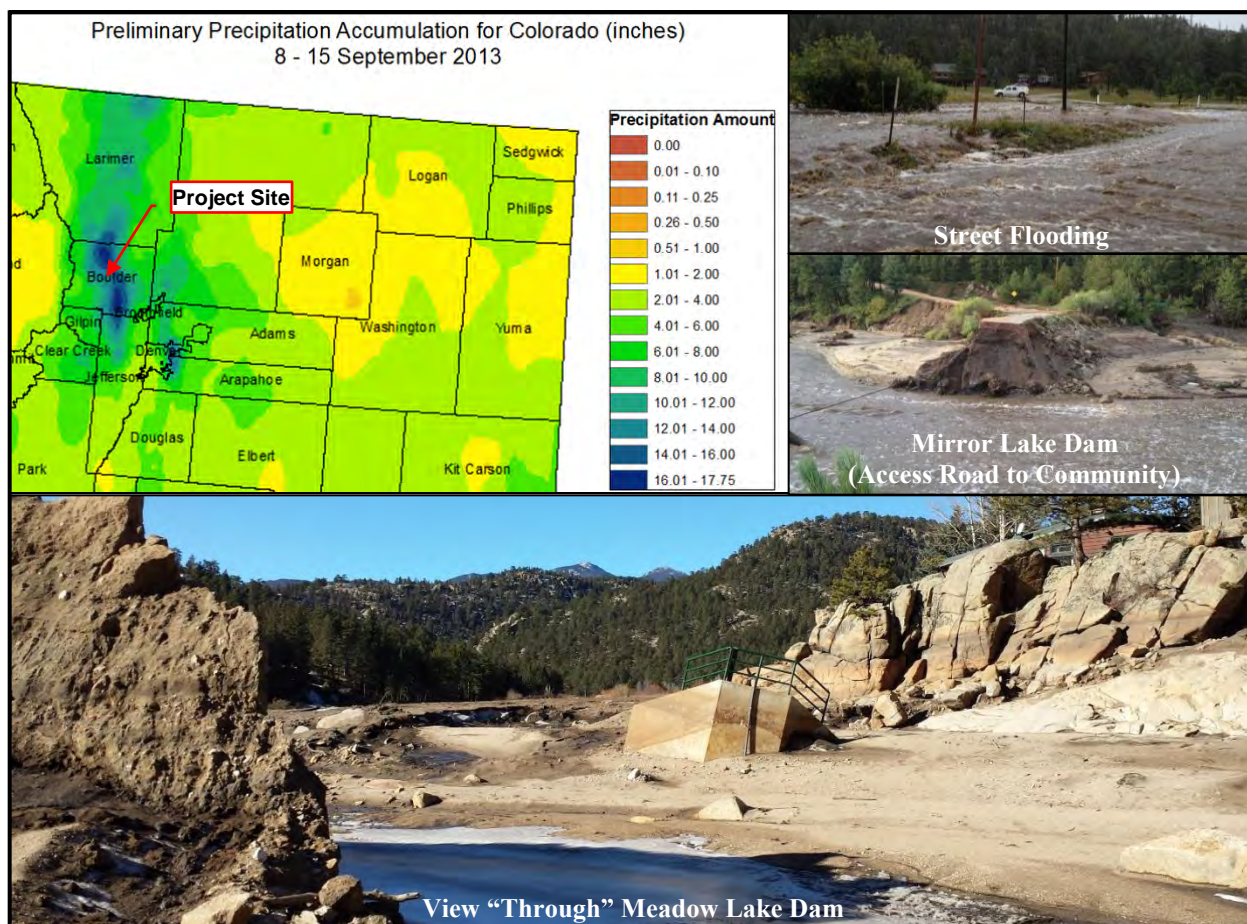
The Company and Meadow Island No. 2, jointly operate a diversion dam, measurement flume, and bifurcation structure. (Beeman is allocated 75% of costs, Meadow Island is allocated 25% of costs). The diversion headworks was constructed in the early 1900s to irrigate approximately 5,000 acres under both canal systems. The September 2013 flood deposited silt covered the diversion dam and cut a new channel through the historic island, cutting off flow to the joint headworks area. The project includes four phases: 1) Demolition of existing structures and reconstruction of the headworks (headwall, headgates, flow measurement, and bifurcation structure), 2) Install an adjustable check dam in place of the current stop log dam, 3) Demolition of a portion of the existing “big dam” structure at the river, 4) Channel bank stabilization will be coordinated with adjoining landowners.



**CWCB Water Project Loan Program
Project Data Sheet**

C150391**Borrower:** Big Elk Meadows Association**County:** Boulder/Larimer**Project Name:** Emergency Raw Water Storage
Repair Project**Project Type:** Reservoir Rehabilitation**Drainage Basin/ District:** South Platte / 4**Water Source:** West Fork of the Little
Thompson River**Total Project Cost:** \$1,900,000**Funding Source:** Severance Tax PBF**Type of Borrower:** Middle-Income Municipal**Water Storage:** 108 AF**CWCB Loan:** \$1,515,000
(with 1% service fee)**Interest Rate:** 2.75% **Term:** 30-years

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged. Measured rainfall in and around Big Elk Meadows exceeded the 1,000-year Average Recurrence Interval for rainfall. Flow along the West Fork reached historic levels and resulted in the destruction of all five dams; both flow monitoring stations; the community's access road (CR-47); the majority of interior roads; and the water, power, and telephone services. The purpose of this project is to restore the community's water supply by reconstructing the five dams and two monitoring stations.



**CWCB Water Project Loan Program
Project Data Sheet**

C150373

Borrower: Big Thompson & Platte River
Ditch Company

County: Larimer

Project Name: Big Thompson & Platte
River Diversion Structure Repair

Project Type: Diversion Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: Big Thompson River

Total Project Cost: \$800,000

Funding Source: Severance Tax PBF

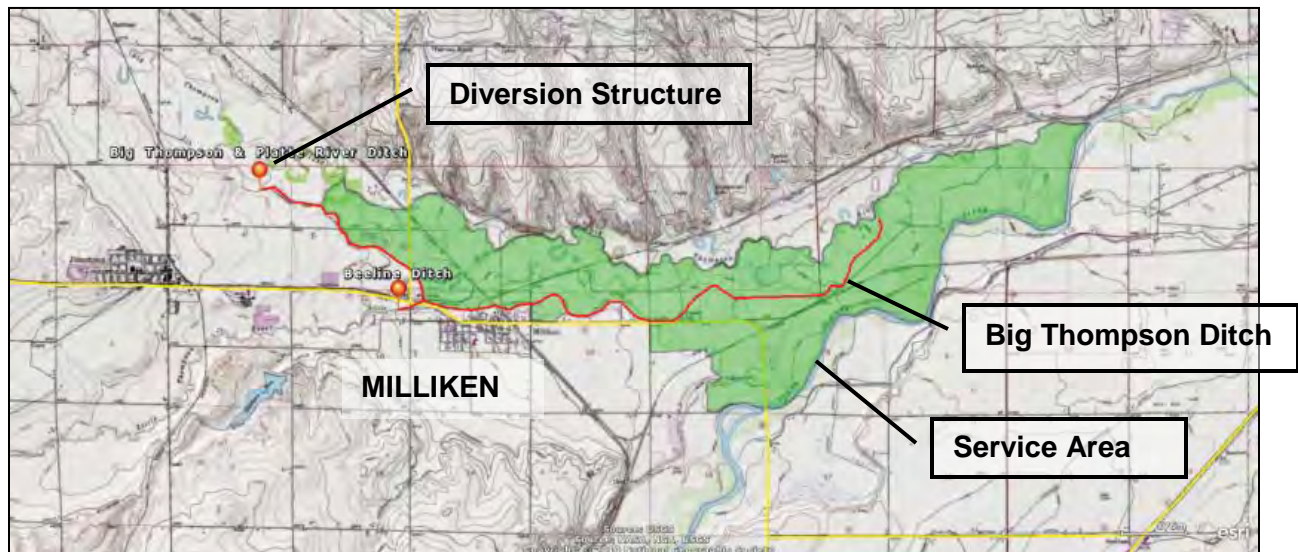
Type of Borrower: Blended

Average Annual Diversion: 9,736 AF

CWCB Loan: \$808,000
(with 1% service fee)

Interest Rate: 1.85% **Term:** 30-years
(97% Ag, 3% Comm)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged. The purpose of this Project is to repair the diversion structure and crossing structures to allow the Company to deliver water to shareholders. The Company's diversion structure and by-pass structure will be repaired and its crossing over the Little Thompson River will be replaced. The crossing structure was a bottleneck at times of free river, so the structure will be improved to allow for additional flows.



**CWCB Water Project Loan Program
Project Data Sheet**

C150374

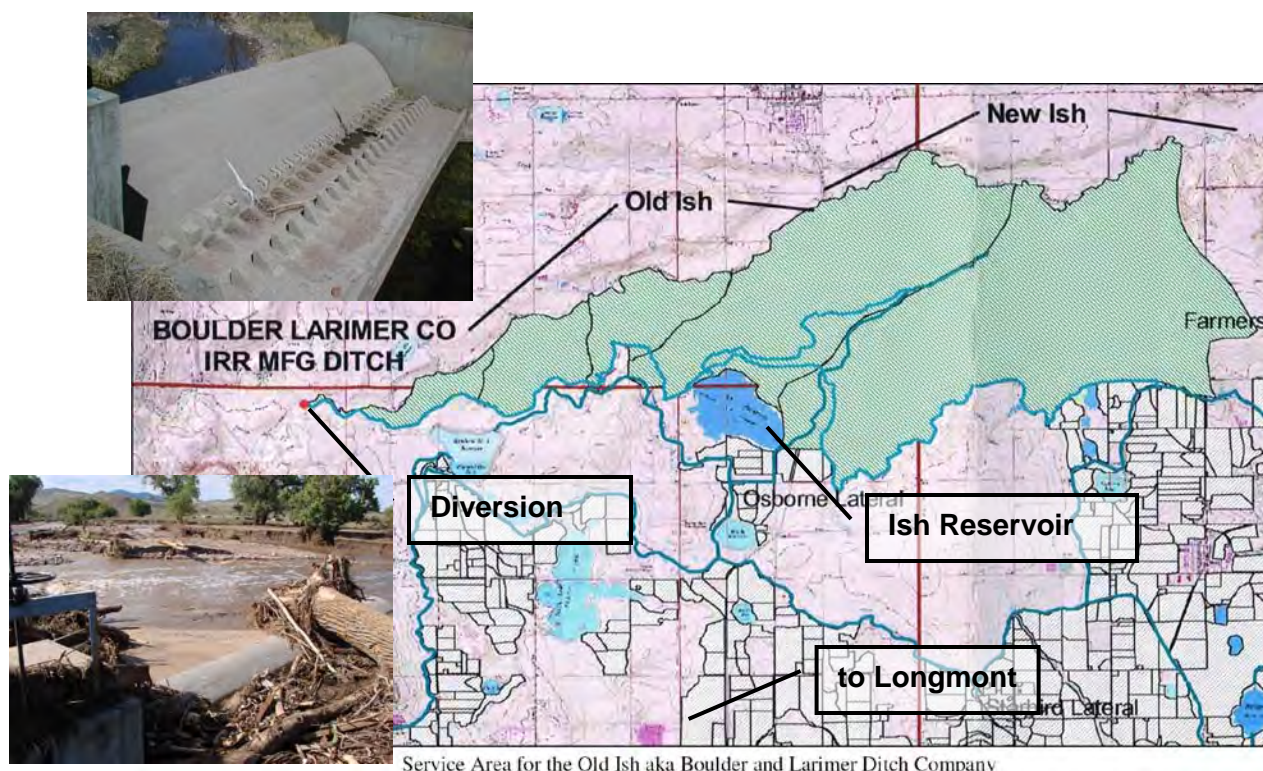
Borrower: Boulder & Larimer County
Irrigating & Manufacturing Ditch Company
Project Name: Boulder & Larimer Diversion
Structure Repair
Drainage Basin/ District: South Platte / 4

County: Boulder & Larimer**Project Type:** Diversion Rehabilitation**Water Source:** Big Thompson River**Total Project Cost:** \$200,000**Funding Source:** Severance Tax PBF**Type of Borrower:** Blended Rate**Average Annual Diversion:** 4,500 AF

CWCB Loan: \$202,000
(with 1% service fee)

Interest Rate: 1.90% **Term:** 30-years
(81% Ag, 19% Mid)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged. The purpose of this Project is to repair the diversion structure and crossing structures to allow the Company to deliver water to shareholders. The Project includes the repair of the diversion structure and Ish Reservoir Inlet. The scope of work for the diversion structure repairs involves removing debris from the dam and inlet structure, forming and pouring a new wing wall on the north side of the diversion dam, and then rechanneling the Little Thompson River to flow back over the diversion dam. The scope of work for inlet washout repairs involves creating a new path for the Company's ditch through this area. This will involve creating a permanent foundation secured to bedrock and building a new water conveyance system on top of this foundation.



Service Area for the Old Ish aka Boulder and Larimer Ditch Company

**CWCB Water Project Loan Program
Project Data Sheet**

C150382**Borrower:** Butte Irrigating & Milling Company **County:** Boulder**Project Name:** Emergency Berm Repair**Project Type:** Ditch Rehabilitation**Drainage Basin/ District:** South Platte / 6**Water Source:** Boulder Creek**Total Project Cost:** \$275,000**Funding Source:** Severance Tax PBF**Type of Borrower:** Blended**Average Annual Diversion:** 1,177 AF**CWCB Loan:** \$277,750
(with 1% service fee)**Interest Rate:** 2.30% **Term:** 30-years
(48% Ag, 51% Mid-Muni, 1% Commercial)

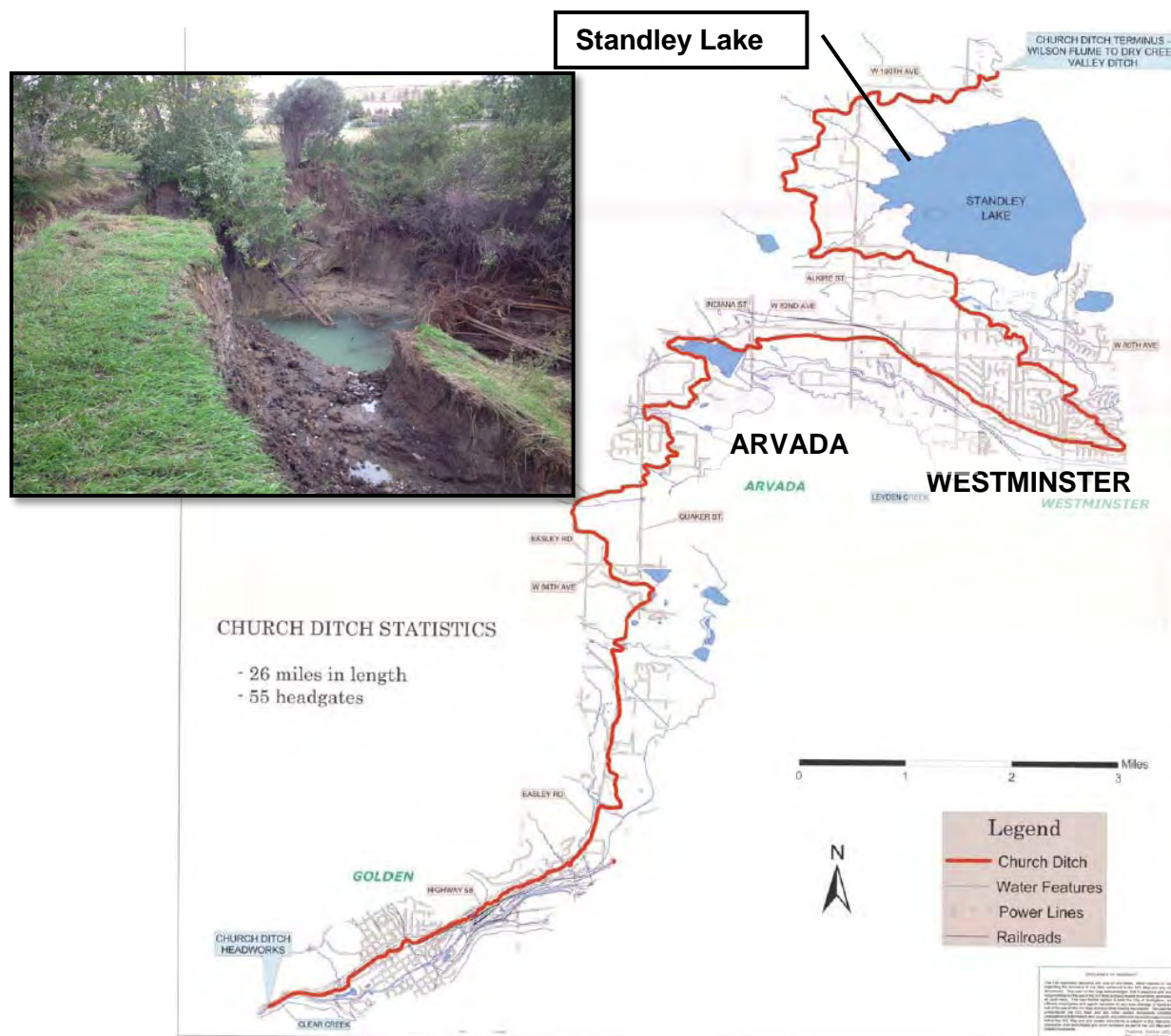
During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's Butte Mill Ditch. Portions of the ditch were silted in and the flood eventually breached a berm upstream of the Company's diversion point, causing the post-flood river to bypass the diversion structure. The purpose of the Project is to repair this berm and clean out the ditch channel to allow the Company to divert its decreed water rights.



**CWCB Water Project Loan Program
Project Data Sheet**

C150377**Borrower:** Church Ditch Water Authority**County:** Jefferson**Project Name:** Leyden Creek Crossing Repair**Project Type:** Ditch Rehabilitation**Drainage Basin/ District:** South Platte / 7**Water Source:** Clear Creek**Total Project Cost:** \$600,000**Funding Source:** Severance Tax PBF**Type of Borrower:** Blended**Average Annual Diversion:** 8,355 AF**CWCB Loan:** \$606,000
(with 1% service fee)**Interest Rate:** 2.85% **Term:** 30-years
(6% Ag, 26% Mid, 67% High, <1% Com)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Authority's Church Ditch. Church Ditch flood repairs include restoring the Church Ditch to pre-flood conditions. The Leyden Creek Crossing Structure will be rebuilt with this section of the ditch piped to prevent the uncontrolled diversion of flood waters in potential future events. For all areas of the ditch, sediment that was deposited by the flood will be removed and the ditch banks will be reshaped where sloughing occurred. Riprap will be added to portions of the reconstructed ditch banks to prevent erosion and increase protection to the ditch.



**CWCB Water Project Loan Program
Project Data Sheet**

C150375

Borrower: Consolidated Home Supply Ditch
& Reservoir Company

County: Larimer

Project Name: Big Dam Diversion Structure
Repair

Project Type: Diversion Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: Big Thompson River

Total Project Cost: \$1,600,000

Funding Source: Severance Tax PBF

Type of Borrower: Blended

Average Annual Diversion: 22,000 AF

CWCB Loan: \$1,616,000
(with 1% service fee)

Interest Rate: 1.95% **Term:** 30-years
(76% Ag, 23% Mid, <1% High, <1% Com)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's "Big Dam" diversion structure. During the flood, the top five feet of the masonry structure was washed out and the mortar between masonry blocks on the north abutment was partially lost. Field observations show that the river was overtopping the structure by approximately 10 feet. The purpose of this project is to restore the "Big Dam" diversion structure to its pre-flood crest elevation while improving the structural integrity of the structure.



**CWCB Water Project Loan Program
Project Data Sheet**

C150380

Borrower: Consolidated Home Supply Ditch
& Reservoir Company

County: Larimer

Project Name: George Rist Ditch Repair

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: Big Thompson River

Total Project Cost: \$444,000

Funding Source: Severance Tax PBF

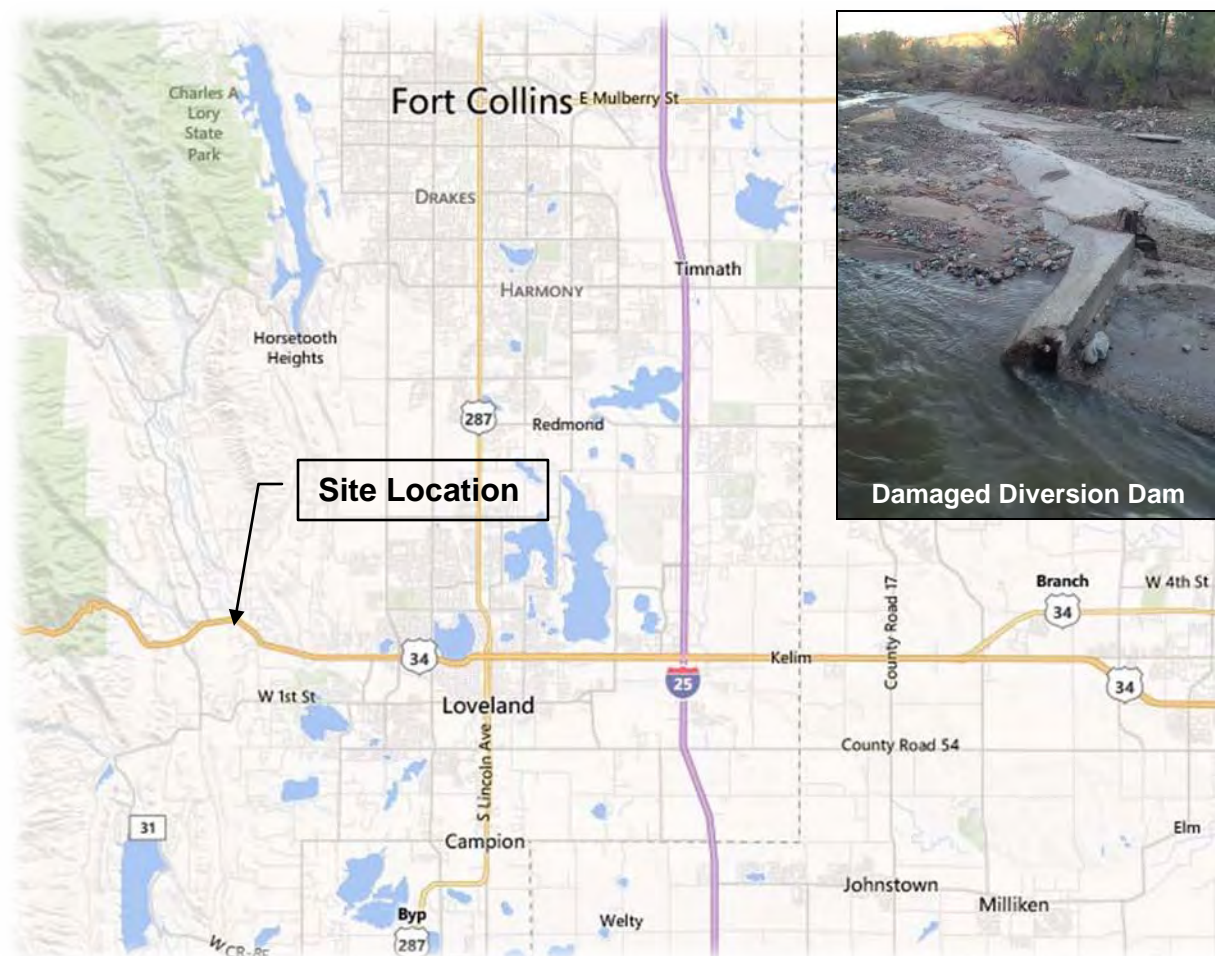
Type of Borrower: Blended

Average Annual Diversion: 22,000 AF

CWCB Loan: \$448,440
(with 1% service fee)

Interest Rate: 1.95% **Term:** 30-years
(76% Ag, 23% Mid, <1% High, <1% Com)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's George Rist ditch and diversion structure. During the flood, the diversion dam, headgate, measuring flume, stilling well and house, and access road was heavily damaged. Additionally, two sections of the ditch's embankment and bottom were completely washed out. The purpose of this project is to restore the George Rist Ditch to its pre-flood condition.



**CWCB Water Project Loan Program
Project Data Sheet**

C150390

Borrower: Culver Lateral Ditch Company

County: Boulder/Larimer

Project Name: Culver Mahoney Ditch Repair

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: Little Thompson River

Total Project Cost: \$150,000

Funding Source: Severance Tax PBF

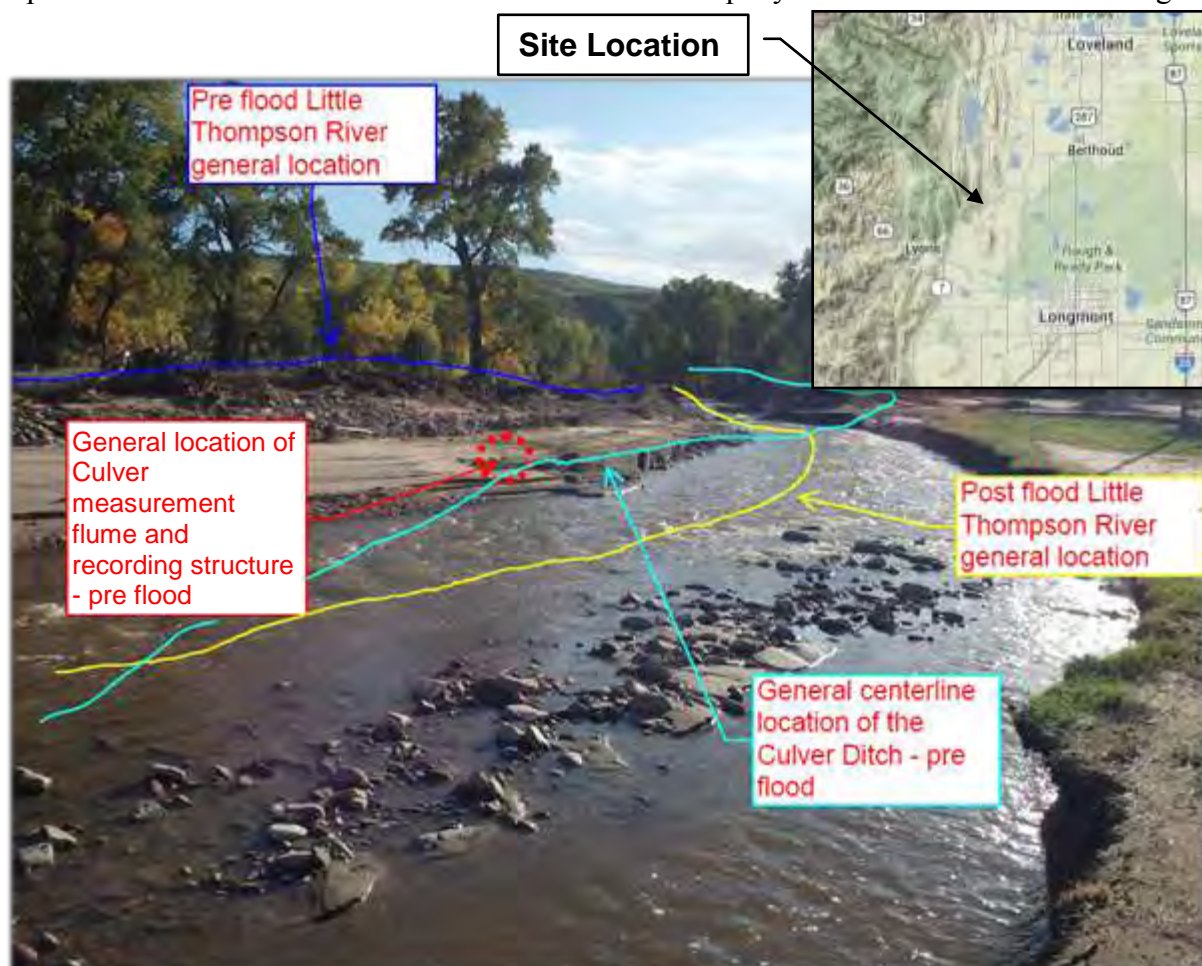
Type of Borrower: Blended

Average Annual Diversion: 1,200 AF

CWCB Loan: \$151,500
(with 1% service fee)

Interest Rate: 2.30% **Term:** 30-years
(41% Ag, 59% Mid)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's Culver Mahoney Ditch. During the flood, the diversion dam, headgate structure, sand gates, measurement flume, and recording structure were damaged. Additionally, the first 1,500 feet of ditch was destroyed as it effectively became a part of the Little Thompson River. The next 1,800 feet of ditch was filled with sediment. The purpose of the Project is to repair the diversion structure and ditch to allow the Company to divert its decreed water rights.



**CWCB Water Project Loan Program
Project Data Sheet**

C150383**Borrower:** Green Ditch Company**County:** Boulder**Project Name:** Emergency Green
Ditch Channel Repair**Project Type:** Ditch Rehabilitation**Drainage Basin/ District:** South Platte / 6**Water Source:** Boulder Creek**Total Project Cost:** \$525,000**Funding Source:** Severance Tax PBF**Type of Borrower:** Blended**Average Annual Diversion:** 1,847 AF**CWCB Loan:** \$530,250
(with 1% service fee)**Interest Rate:** 2.50% **Term:** 30-years
(21% Ag, 58% Mid, 5% Com)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Green Ditch. Additionally the flood relocated Boulder Creek at this location and water no longer flows to the Green Ditch headgate. Various stakeholders have indicated the creek's new alignment is more environmentally friendly alignment. In an effort of collaboration the Company plans to relocate their point of diversion upstream of the breach and build a fish friendly diversion structure. A new pipeline will connect the new diversion structure with the existing ditch.



**CWCB Water Project Loan Program
Project Data Sheet**

C150389**Borrower:** Haldi Ditch Company**County:** Boulder**Project Name:** Emergency Haldi Ditch Repair**Project Type:** Ditch Rehabilitation**Drainage Basin/ District:** South Platte / 5**Water Source:** Left Hand Creek**Total Project Cost:** \$343,000**Funding Source:** Severance Tax PBF**Type of Borrower:** Agricultural/Municipal**Average Annual Diversion:** 3,000 AF**CWCB Loan:** \$50,500
(with 1% service fee)**Interest Rate:** 2.35% **Term:** 30-years

The Haldi Ditch is located within the Left Hand Ditch Company's system and within the Left Hand Water District. The Haldi Ditch conveys Left Hand Ditch Company shares via a pipeline for irrigation users and as a raw water source for the Left Hand Water District's Spurgeon Water Treatment Plant and two Left Hand Water District reservoirs. During the 2013 flood event, the Left Hand Creek left its bank immediately upstream of the Haldi Diversion scouring a new channel and disconnecting the creek from the diversion. The proposed project involves the construction of a grouted boulder drop structure to divert water back into the historic channel leading to the intake structure. The historic channel and structures will be cleared of debris and repaired. The pipeline that was scoured and damaged will be removed and replaced with new ductile iron pipe. The access road will be restored to existing conditions and the diversion and stream bank will be armored.



**CWCB Water Project Loan Program
Project Data Sheet**

C150369**Borrower:** Highland Ditch Company**County:** Boulder**Project Name:** Highland Ditch System
Repairs**Project Type:** Ditch Rehabilitation**Drainage Basin/ District:** South Platte / 5**Water Source:** St. Vrain Creek**Total Project Cost:** \$1,980,000**Funding Source:** Severance Tax PBF**Type of Borrower:** Blended**Average Annual Diversion:** 38,000 AF**CWCB Loan:** \$1,999,800
(with 1% service fee)**Interest Rate:** 1.95% **Term:** 30-years
(86% Ag, 6% Mid, 6% High, 2% Com)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged. The purpose of this Project is to repair the Company's system to allow the delivery of water to shareholders. The scope of work includes: repairing of the main diversion structure, headgate, SCADA system, and inlet and outlet of Foothills Reservoir.

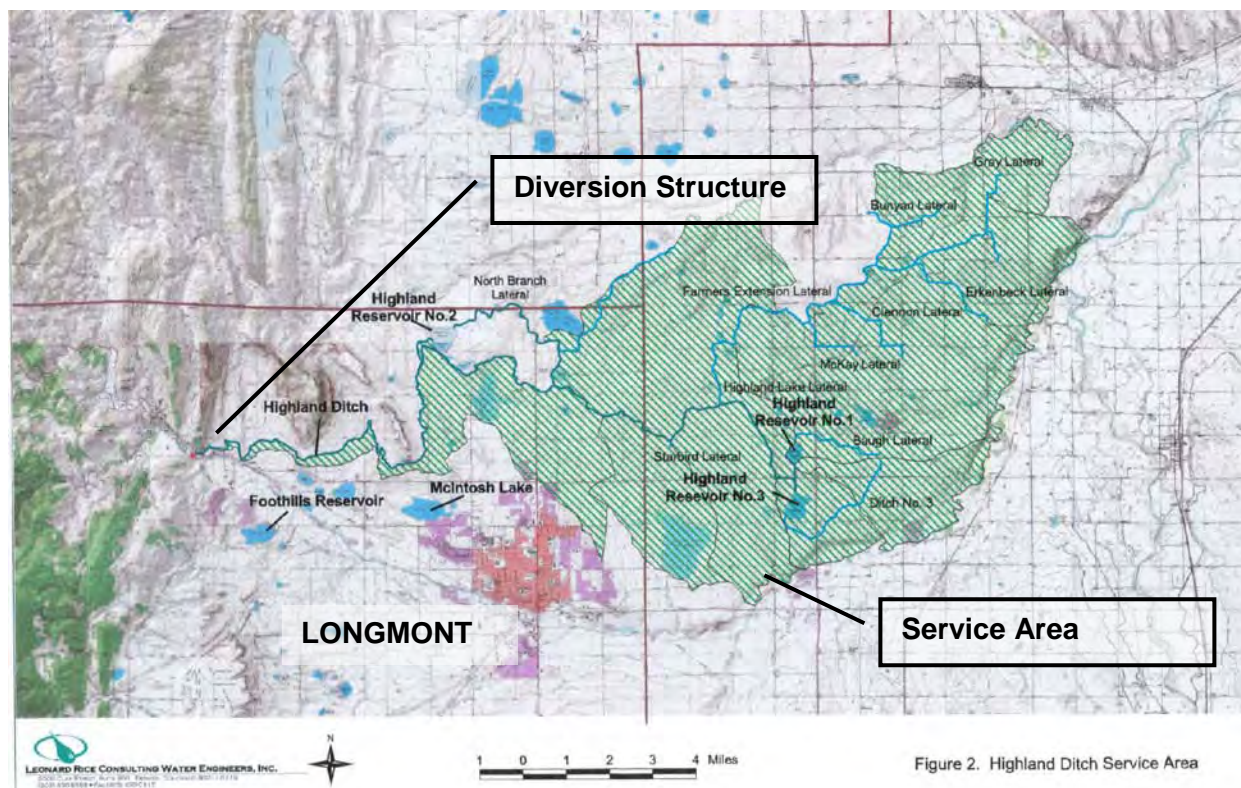


Figure 2. Highland Ditch Service Area

CWCB Water Project Loan Program Project Data Sheet

Borrower: Ish Reservoir Company**County:** Boulder**Project Name:** Inlet Ditch & Diversion
Structure Repair**Project Type:** Diversion Rehabilitation**Drainage Basin/ District:** South Platte / 6**Water Source:** Little Thompson River**Total Project Cost:** \$205,000**Funding Source:** Severance Tax PBF**Type of Borrower:** Blended**Average Annual Diversion:** 4,500 AF**CWCB Loan:** \$207,050
(with 1% service fee)**Interest Rate:** 1.75% **Term:** 30-years
(99% Ag, <1% Mid, <1% Com)

Project consists of the repair of the diversion structure and Ish Reservoir inlet. The scope of work for the diversion structure involves removing debris from the dam and inlet structure, forming and pouring a new wing wall on the north side of the diversion dam, and then rechanneling the Little Thompson River to flow back over the diversion dam.

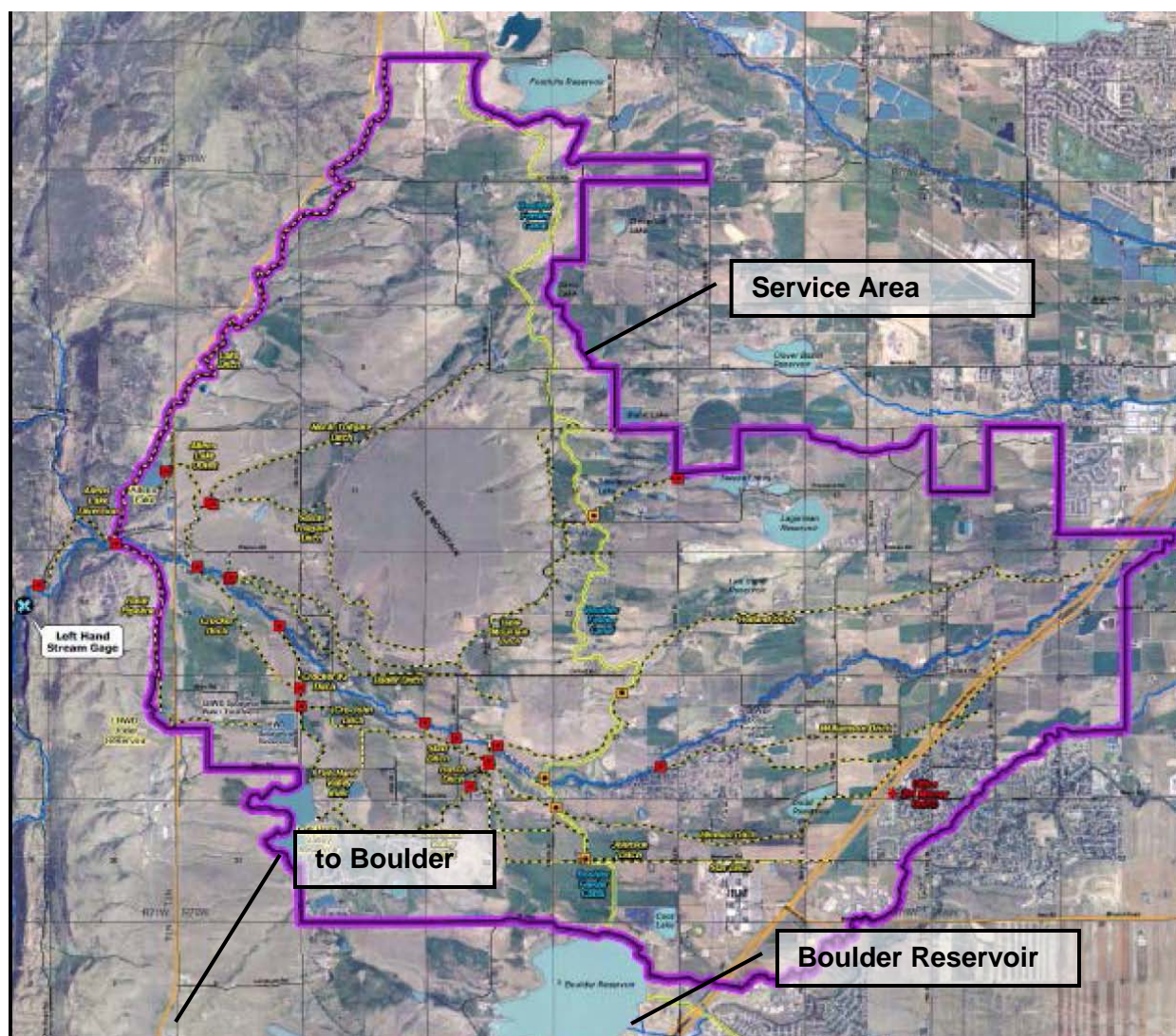
The scope of work for inlet washout repairs involves creating a new path for the Company's ditch through this area. This involves creating a permanent foundation secured to bedrock and building a new water conveyance system on top of this foundation.



**CWCB Water Project Loan Program
Project Data Sheet**

C150370**Borrower:** Left Hand Ditch Company**County:** Boulder**Project Name:** Left Hand Ditch System
Repairs**Project Type:** Ditch Rehabilitation**Drainage Basin/ District:** South Platte / 5**Water Source:** Left Hand &
St. Vrain Creeks**Total Project Cost:** \$3,243,620**Funding Source:** Severance Tax PBF**Type of Borrower:** Blended**Average Annual Diversion:** 22,700 AF**CWCB Loan:** \$3,276,056
(with 1% service fee)**Interest Rate:** 2.30% **Term:** 30-years
(46% Ag, 38% Mid, 16% High)

The Company plans to restore its system to pre-flood condition which includes: Replacement of Left Hand Creek Parshall Flume and Recorder Station, repair of Left hand Valley Diversion repair of several ditches: Crocker, Table mountain, Bader, Hunman, Star, Holland, Williamson, and Gold Lake Filler Ditch, replace the diversion dam and headgate structure at Allen's Lake Filler Canal Head Gate



**CWCB Water Project Loan Program
Project Data Sheet**

C150368

Borrower: North Poudre Irrigation Company

County: Larimer

Project Name: Fossil Creek Reservoir Diversion
Structure Repair

Project Type: Diversion Rehabilitation

Drainage Basin/ District: South Platte / 3

Water Source: Cache la Poudre

Total Project Cost: \$477,000

Funding Source: Severance Tax PBF

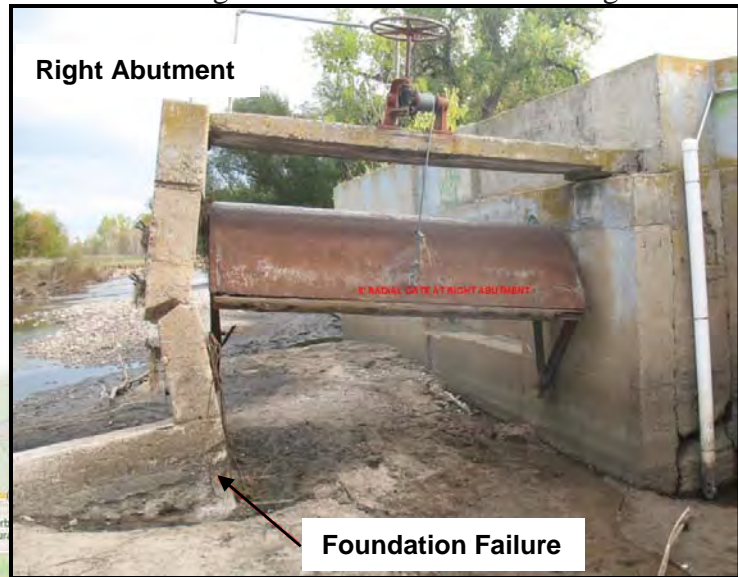
Type of Borrower: Blended

Average Annual Diversion: 31,700 AF

CWCB Loan: \$481,770
(with 1% service fee)

Interest Rate: 2.35% **Term:** 30-years
(37% Ag, 1% Low, 57% Mid, 4% High, <1% Com)

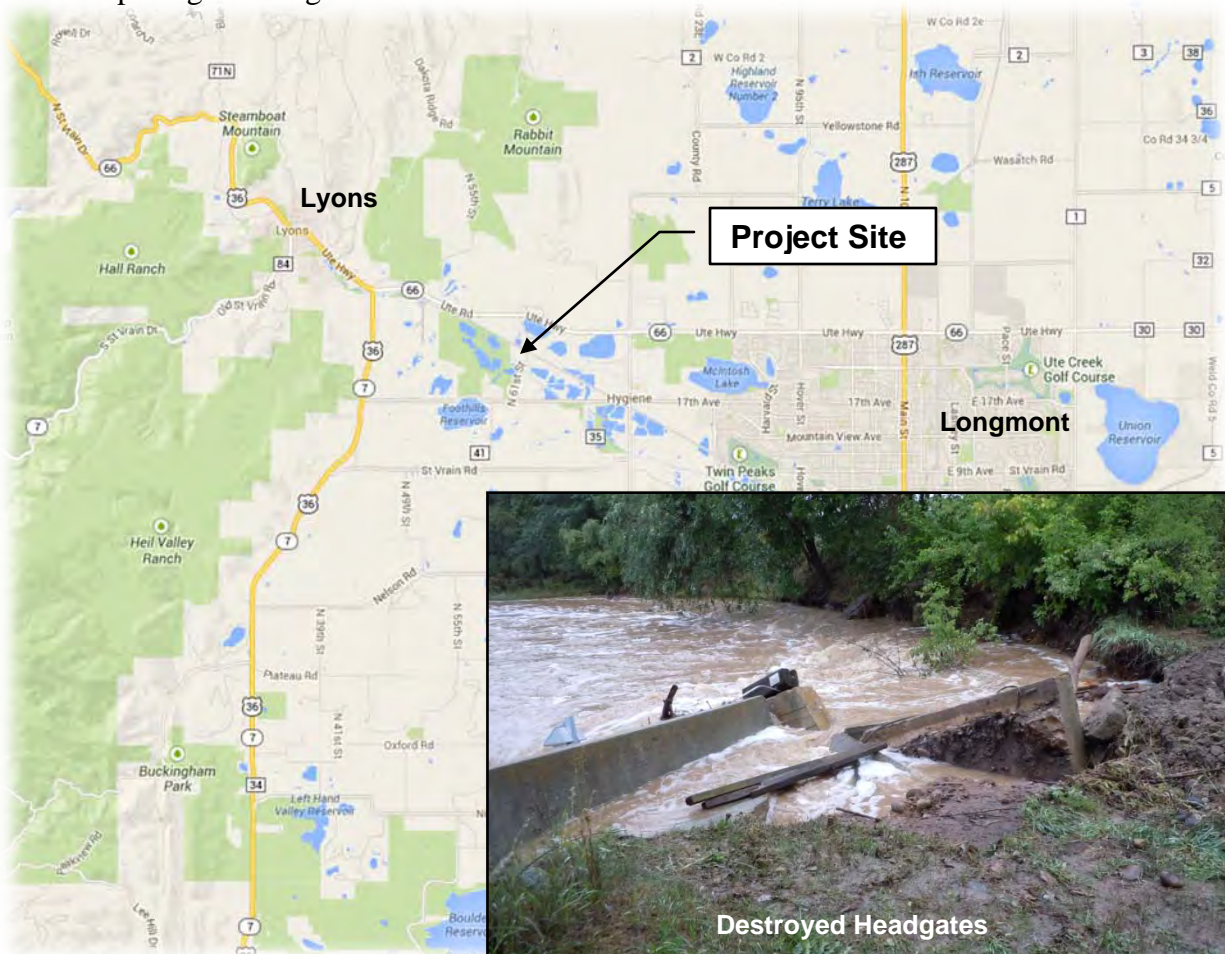
During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's Fossil Creek Reservoir inlet diversion off the Cache la Poudre River. The purpose of the Project is to repair the existing diversion structure by rebuilding the check dam and abutment. The Project will restore the structure to pre-flood elevations while modifying the foundation to improve protection against future scouring.



**CWCB Water Project Loan Program
Project Data Sheet**

C150372**Borrower:** Oligarchy Irrigation Company**County:** Boulder**Project Name:** Oligarchy Irrigation Ditch
River Diversion Structure Repair**Project Type:** Diversion Rehabilitation**Drainage Basin/ District:** South Platte / 5**Water Source:** St. Vrain Creek**Total Project Cost:** \$1,250,000**Funding Source:** Severance Tax PBF**Type of Borrower:** Blended**Average Annual Diversion:** 7,966 AF**CWCB Loan:** \$1,262,500
(with 1% service fee)**Interest Rate:** 2.50% **Term:** 30-years
(26% Ag, 72% Mid, 2% High)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's diversion off the St. Vrain Creek. Of the original structure, only a small portion of the diversion dam and right abutment remain. The purpose of this Project is to rebuild the diversion dam, sand gates, Rubicon flumegate, and bypass gate. The structure will be the same size and location as the original but will modify the sand gates and flumegate. The original structure had one sand gate into which the Rubicon flumegate was installed. For better operation and river administration, the rebuilt diversion will separate the sand gate and the flumegate into their own passages through the diversion dam.



**CWCB Water Project Loan Program
Project Data Sheet**

C150371

Borrower: Rough & Ready Irrigating
Ditch Company

Project Name: Rough & Ready Ditch River
Diversion Structure Repair

Drainage Basin/ District: South Platte / 5

Total Project Cost: \$1,825,000

Type of Borrower: Blended

CWCB Loan: \$1,843,250
(with 1% service fee)

County: Boulder

Project Type: Diversion Rehabilitation

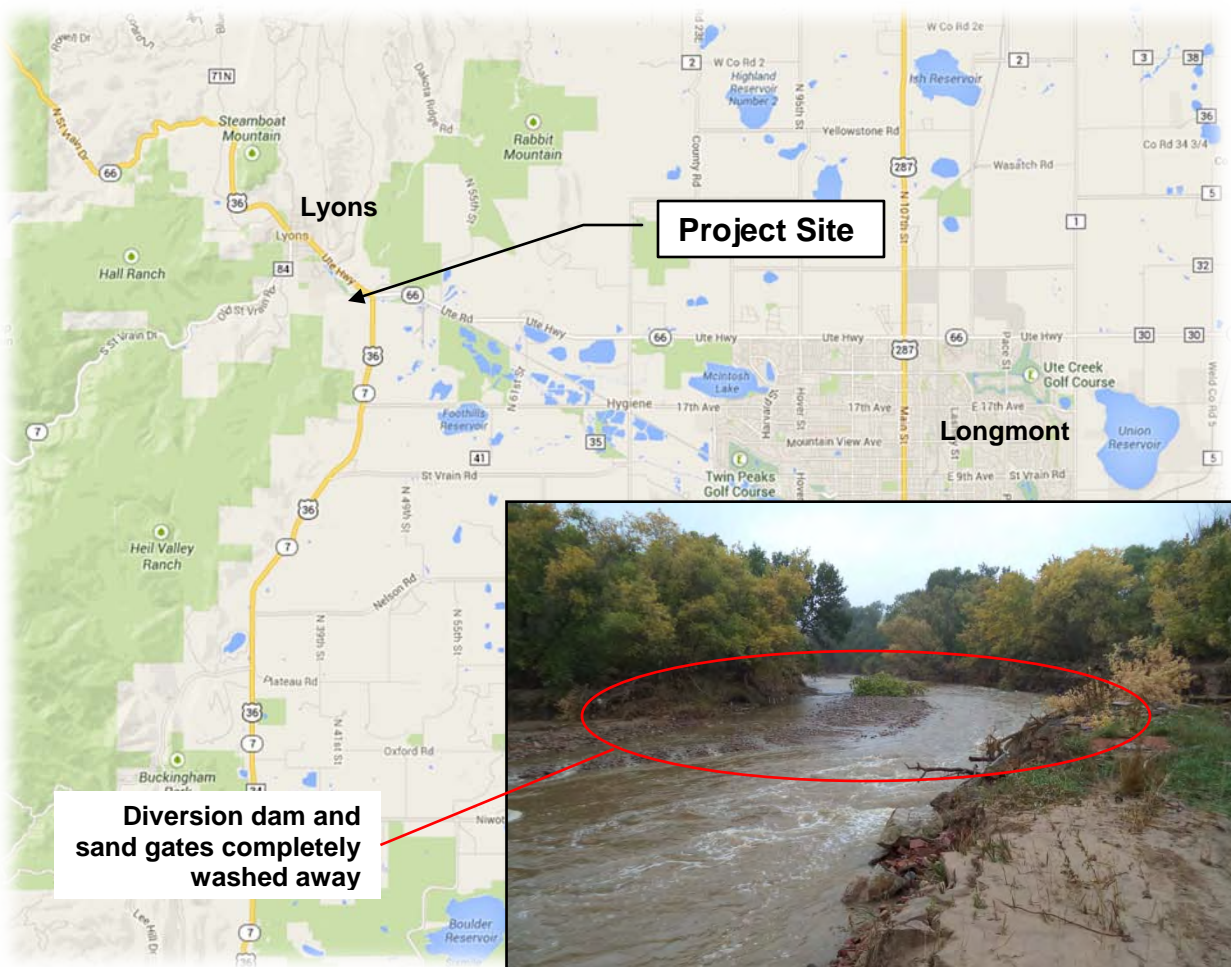
Water Source: St. Vrain Creek

Funding Source: Severance Tax PBF

Average Annual Diversion: 7,528 AF

Interest Rate: 2.7% **Term:** 30-years
(15% Ag, 69% Mid, 13% High, 3% Com)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's river diversion off the St. Vrain Creek. This structure also serves as the diversion dam for the Palmerton Ditch. The diversion dam and sand gates no longer exist and the headgates sustained major damage. The purpose of this Project is to rebuild the diversion dam, sand gates, Rubicon flumegate, headgates, ditches, and measuring flumes. The structure will be the same size and location but will include a combined conveyance ditch off the diversion and will include the addition of a bypass to the river to better regulate diversions.

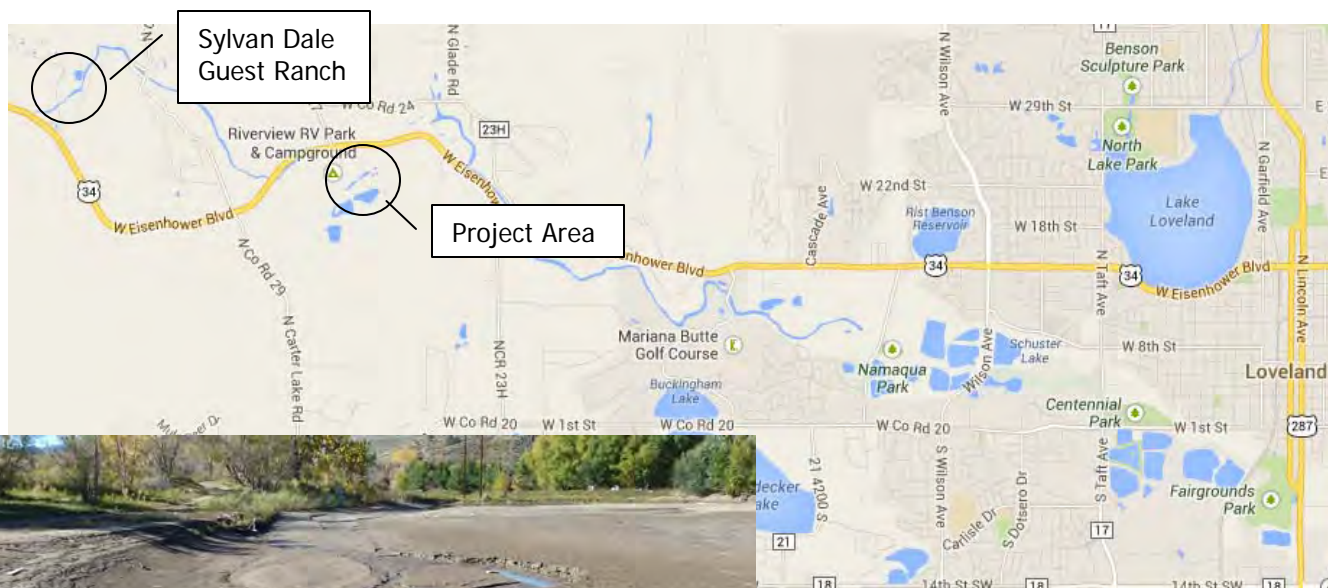


**CWCB Water Project Loan Program
Project Data Sheet**

C150392

Borrower: Sylvan Dale Ranch, LLLP**County:** Larimer**Project Name:** Emergency Irrigation Pond
Excavation**Project Type:** Reservoir Rehabilitation**Drainage Basin/ District:** South Platte / 4**Water Source:** Big Thompson River**Total Project Cost:** \$104,130**Funding Source:** Severance Tax PBF**Type of Borrower:** Agricultural**Average Annual Diversion:** 166 AF**CWCB Loan:** \$105,171
(with 1% service fee)**Interest Rate:** 1.75% **Term:** 30 years

The Ranch has been owned and operated by the Jessup family since 1946 as both a guest ranch and a working ranch encompassing 3,200 acres in the foothills at the mouth of the Big Thompson Canyon, seven miles west of Loveland. There are 160 irrigated acres of alfalfa-hay pastures. Hay is harvested off these pastures in June and, during the rest of the year, the pastures are grazed by the Ranch's grass-fed cattle herd. The Ranch owns two adjoining ponds next to Big Thompson River. The ponds, which were silted in during the September 2013 flood, are fed by springs and drain into the river just above the George Rist Ditch diversion. The Ranch pumps water out of the ponds to irrigate pastures located immediately south of the ponds. Between 142 and 190 acre-feet are used per season, using two center pivots. Without these ponds, there is no means to irrigate the pastures. The purpose of this project is to excavate the silt from the ponds. Construction is scheduled for late spring 2014.



Projects Not Under Contract

**CWCB Water Project Loan Program
Project Data Sheet**

C150384

Borrower: Davidson Ditch
& Reservoir Company

County: Boulder

Project Name: Emergency Davidson
Ditch Lining

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 6

Water Source: South Boulder Creek

Total Project Cost: \$37,000

Funding Source: Severance Tax PBF

Type of Borrower: Blended

Average Annual Diversion: 354 AF

CWCB Loan: \$37,370
(with 1% service fee)

Interest Rate: 2.45% **Term:** 30-years
(41% Ag, 59% High-Income Municipal)

The Davidson Ditch carries decreed water to the shareholders and municipalities from its head gate on South Boulder Creek in Eldorado Canyon next to the Dowdy Draw trailhead parking lot. The ditch crosses highway 93 just south of Eldorado Springs Drive and runs alongside Marshall Road, then runs north on the west side of the Davidson Mesa. During the September 2013 flood event a section of the ditch below Eldorado Springs failed. The breached section must be repaired before spring irrigation can begin.



**CWCB Water Project Loan Program
Project Data Sheet**

C150387

Borrower: City of Evans, Water Activity
Enterprise

Project Name: Emergency Evans
Town Ditch Repairs

Drainage Basin/ District: South Platte / 4

Total Project Cost: \$715,000

Type of Borrower: Blended

CWCB Loan: \$722,150
(with 1% service fee)

County: Weld

Project Type: Ditch Rehabilitation

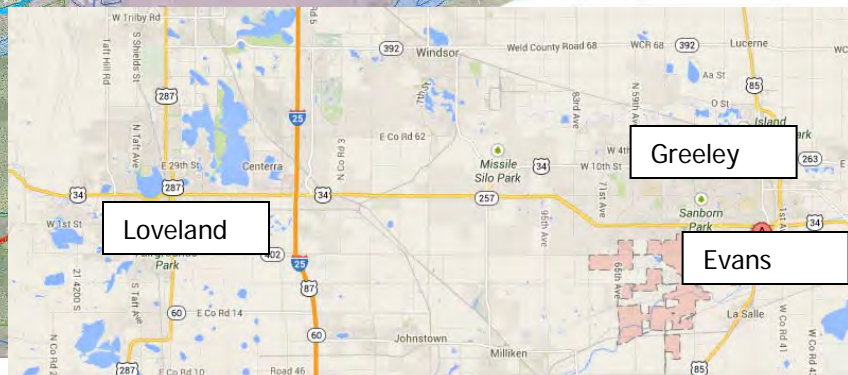
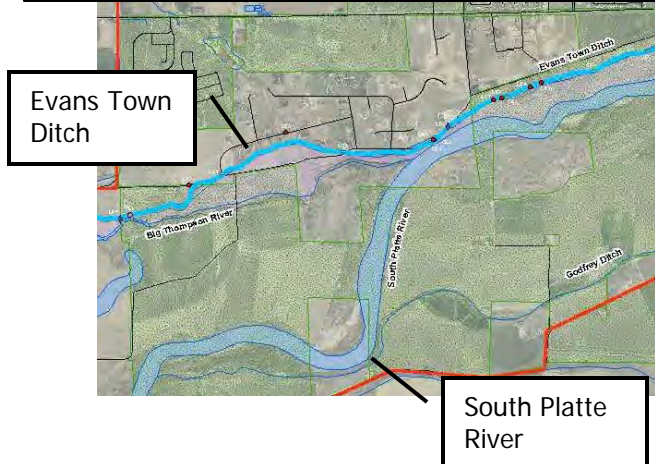
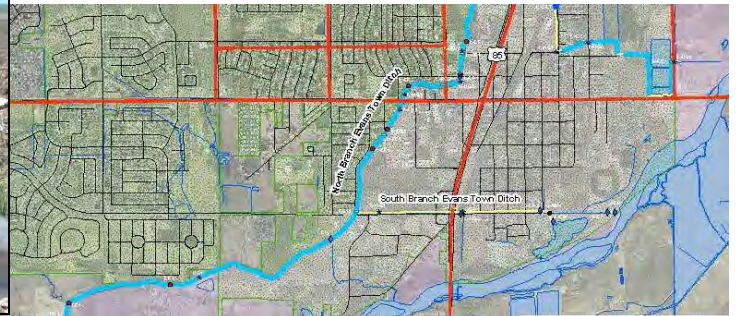
Water Source: Big Thompson

Funding Source: Severance Tax PBF

Average Annual Diversion: 8,151 AF

Interest Rate: 2.75% **Term:** 30-years
(Middle-Income Municipal)

The Evans Town Ditch was constructed in the 1880's. It is the 6th oldest ditch system in the State of Colorado. The original purpose of the ditch was to transport water for irrigation purposes to the Town of Evans and adjoining farms. Today, the ditch serves 59 users and provides non-potable water for irrigation to residences, businesses, parks, city buildings, open space and school grounds. The ditch also provides water to two small agricultural irrigation companies for nearby farms. The September 2013 flood caused wide-spread flooding to the Big Thompson River upstream of Evans resulting in very high flows and massive amounts of debris and silt which have damaged the Evans Ditch, its diversion structures and controls, and the headworks access road.



**CWCB Water Project Loan Program
Project Data Sheet**

C150398

Borrower: Louden Irrigating Canal
and Reservoir Company

County: Larimer

Project Name: Emergency Diversion Structure
and Ditch Repair

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: Big Thompson River

Total Project Cost: \$215,000

Funding Source: Severance Tax PBF

Type of Borrower: Blended

Average Annual Diversion: 8,000 AF

CWCB Loan: \$161,600
(with 1% service fee)

Interest Rate: 2.70% **Term:** 30-years
(25% Ag, <1% Low, 61% Mid, 8% High, 6% Com)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged, including the Company's river diversion. The ditch was diverting water as the September storm started. As the flood progressed, the headgates could not be safely reached for operations. Water overtopped the headgate structure by at least 4 feet resulting in damage to the headgate and ditch system. The first 3,000 feet of the ditch were totally filled with silt and debris. The ditch breached back to the river in two places and undercutting caused slides that threatened the ditch. Phase 1 will clean and rebuild the ditch and service road, and salvage the existing headgates to ensure general operation for the 2014 irrigation season. Phase 2 will replace the existing headgates with gates that are safer, more accurate, and capable of remote operation.



**CWCB Water Project Loan Program
Project Data Sheet**

C150381

Borrower: Union Ditch Company

County: Weld

Project Name: Emergency Union Ditch Repair

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 2

Water Source: South Platte River

Total Project Cost: \$200,000

Funding Source: Severance Tax PBF

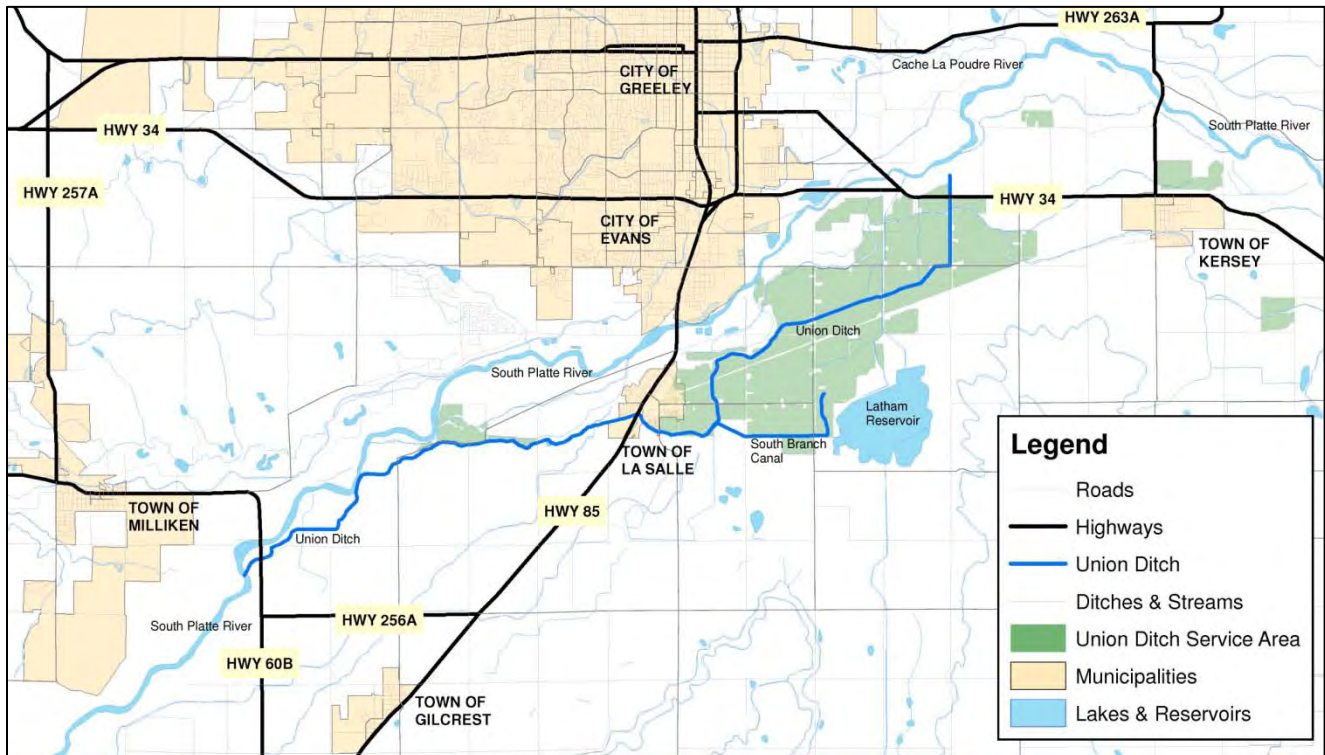
Type of Borrower: Blended

Average Annual Diversion: 25,391 AF

CWCB Loan: \$202,000
(with 1% service fee)

Interest Rate: 1.80% **Term:** 30-years
(94% Ag, 6% Middle Income)

The Union Ditch diverts water from the South Platte River just downstream of the confluence with the St.Vrain River. The earthen ditch provides irrigation water to approximately 60 farms in the LaSalle area, and also serves as a bypass around the Latham Ditch dry-up point on the South Platte River. Repair to the Ditch include: steam bank armoring near the structure, headgate control building repair, cleaning and ditch bank restoration, Hwy 394 riprap work, emergency spillway area work, and ditch work around the bypass structure.



**CWCB Water Project Loan Program
Project Data Sheet**

C150388

Borrower: Zweck and Turner Ditch Company	County: Boulder
Project Name: Zweck and Turner Ditch Repair	Project Type: Ditch Rehabilitation
Drainage Basin/ District: South Platte / 5	Water Source: St. Vrain Creek
Total Project Cost: \$362,500	Funding Source: Severance Tax PBF
Type of Borrower: Blended	Average Annual Diversion: 2,200 AF
CWCB Loan: \$252,500 (with 1% service fee)	Interest Rate: 2.25% Term: 30-years (52% Ag, 34% Mid, 14% High)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's Culver Mahoney Ditch. During the flood, the St. Vrain Creek left the river banks upstream from the ditch and flowed through a series of gravel pit ponds. As these pond embankments failed, significant erosion destroyed large portions of the Zweck and Turner Ditch. The purpose of the Project is to repair the ditch to allow the Company to deliver its decreed water rights.



**COLORADO****Colorado Water
Conservation Board**

Department of Natural Resources

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Denver, CO 80203

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John Hickenlooper, Governor

Mike King, DNR Executive Director

James Eklund, CWCB Director

TO: Colorado Water Conservation Board Members**FROM: Kirk Russell, P.E., Chief
Finance Section****DATE: July 16-17, 2014****AGENDA ITEM: Directors Report
Design & Construction Status Report**

The CWCB Loan Program has Substantially Completed ten (10) projects in Fiscal Year 2013/2014 as shown in Table 1. There are currently sixty-six (66) projects authorized to receive loan funding totaling \$316 million. There are forty-six (46) projects currently under contract and in the Design and Construction phase totaling \$119.8 million. There are an additional twenty-three (23) Emergency Loans approved totaling \$18.7 million shown under a separate report.

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	Complete
1	New Salida Ditch Co	Ditch Rehabilitation	Chaffee	\$298,494	8/1/13
2	La Veta, Town of	La Veta Dam Rehabilitation	Huerfano	\$372,690	9/1/13(a)
3	Union Ditch Co	Well Augmentation Project	Weld	\$100,032	12/1/13
4	Platte Valley Irr. Co.	Equalizer Reservoir Project	Weld	\$187,635	12/1/13(b)
5	North Delta Irr. Co.	NDIC Tunnel Repair Project	Delta	\$808,000	4/1/14
6	Ordway Feedyard, LLC	Raw Water Line Extension Project	Crowley	\$2,116,564	4/1/14
7	Henrylyn Irrigation District	Prospect Res Dam facing Project	Weld	\$1,824,204	6/1/14(c)
8	Lower Latham Res. Co	Well Augmentation Project	Weld	\$3,811,573	6/1/14
9	Twenty Two Rd Lateral Co	Replacement Project	Mesa	\$517,848	6/1/14
10	Wadley Farms flng. 3 HOA	Water Rights Purchase	Adams	\$727,200	6/1/14
		Total		\$10,764,241	

Fiscal Year 2013/2014 has added or preserved 7,928AF of reservoir storage [(a) 17AF, (b) 431AF, (c) 7,480AF]



**New Salida Ditch Company
DITCH REHABILITATION PROJECT**



Project Description

The Ditch Company delivers water to agricultural users from the Arkansas River through a diversion in Browns Canyon. The Ditch runs parallel to the River for 1.25 miles and has historically been difficult for the Company to maintain and has suffered frequent breaks. In 2005, the Company undertook a maintenance project designed to mitigate erosion along the ditch. During the maintenance effort, sand and gravel were accidentally deposited into the River and the Company was cited with violations from the Colorado Department of Public Health and Environment (CDPHE). As a resolution to this dispute, the Company agreed to enclose a portion of the Ditch to prevent the potential for discharges of material due to ditch breaks in the future. This Project installed 3,200 linear feet of 42-inch HDPE pipe in the existing ditch alignment.

Project Data

Sponsor: New Salida Ditch Company

County: Chaffee

Water Source: Arkansas River

Terms of Loan: \$365,620 for 30 years @ 2.5%

Substantial Completion: August 1, 2013

Design Engineer: Colorado River Engineering, Inc, Rifle CO

Contractor: Y&K Excavation, Inc, Salida, CO

Project Elements: 3,200 LF of 42-inch HDPE pipe and access structures.

TOWN OF LA VETA NORTH LAKE DAM REHABILITATION PROJECT



Finished project photos of the North Lake Dam outlet works and toe drain system.

Project Description

The Town of La Veta is responsible for supplying its residents with potable water. The town stores raw water in two reservoirs (North Lake and South Lake) to supplement the diversions from the Cucharas River in times of low flow and in periods of drought. North Lake reservoir exhibited growing signs of distress over the years and the SEO issued a 2.5-foot restriction on the dam in March 2011. The restriction cost the Town 17 AF of storage capacity. The La Veta Dam project included the replacement of outlet works and the installation of a toe drain filter system; thereby restoring the full capacity of the reservoir.

Project Data

Sponsor: Town of La Veta

County: Huerfano

Water Source: Cucharas River

Substantial Completion: September 1, 2013

Terms of Loan (Contract # C150329): \$372,690 for 30 years @ 3.0%

Design Engineer: Chris Manera, P.E., Colorado River Engineering Inc.

Contractor: Glacier Construction, Greenwood Village, CO

Project Elements: North Lake Dam Rehabilitation improvements included the removal and replacement of the outlet tower and pipe. It also included the installation of a new toe drain filter system.

Water Project Construction Loan Program-Project Data

Borrower: Union Ditch Company (UDC)

County: Weld

Project Name: UDC Recharge Project

Project Type: Well Augmentation

Drainage Basin: South Platte

Water Source: South Platte River

Total Project Cost: \$344,000

Funding Sources: CWCB, UDC

Type of Borrower: Agricultural

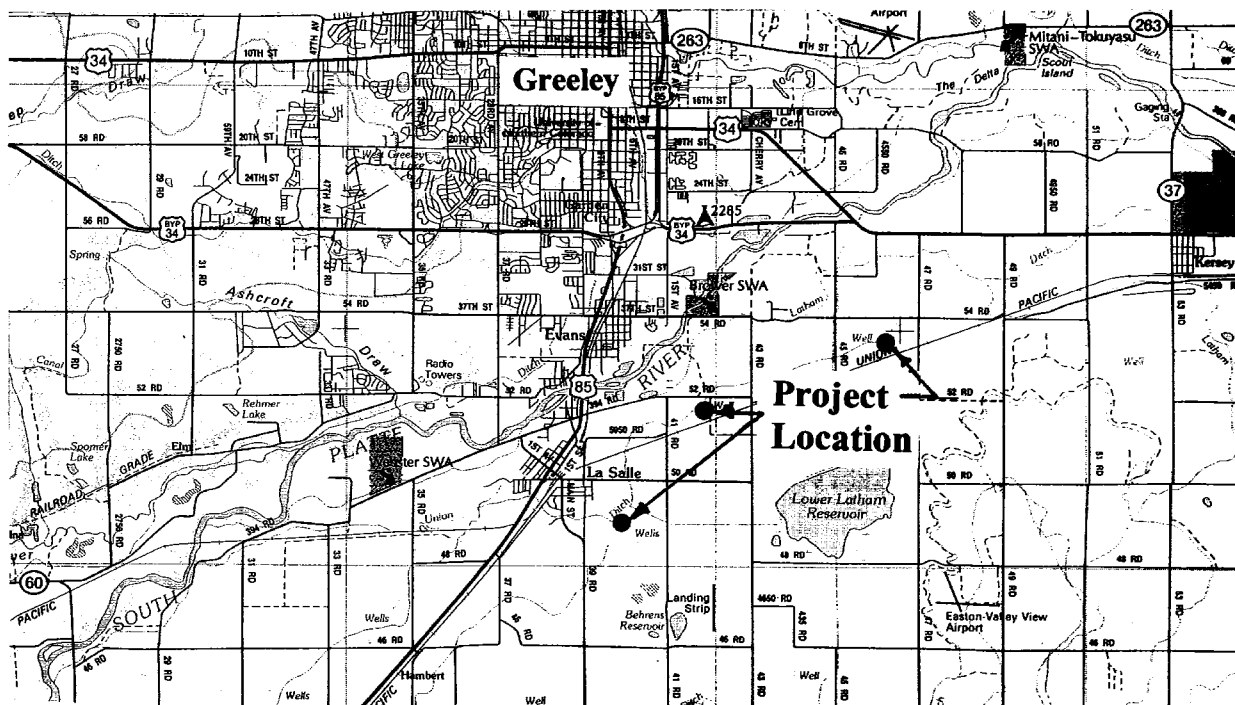
Aver. Delivery: 206 acre-feet (consump. use)

CWCB Construction Fund Loan: \$309,500

Interest Rate: 2.50%

Term: 30 years

UDC operates the Union Ditch providing direct flow irrigation water to an area of 5,500-acres east of the Town of LaSalle and south of Greeley. Water is diverted from the South Platte River at a headgate east of the Town of Milliken. UDC operates approximately 15 miles of ditch and typically delivers about 29,000 acre-feet of irrigation water per year. UDC has filed an application for an Augmentation Plan to provide replacement water for 40 junior wells owned by shareholders, formerly serviced by GASP, to replace out-of-priority irrigation well depletions. As part of the Augmentation Plan UDC will need 50 AF of developed recharge storage capacity to offset the depletions. The project involves the development of three recharge structures, with the top priority site, the Mecure #1 Site (20 AF) developed initially in 2004, and the remaining two sites totaling 30 AF developed in 2005. Each pond would be filled by water that is diverted from the Union Ditch. The construction of each site will include pond excavation, flow measurement structures (flumes on feeder canals or meters for pumps), headgate structures for feeder canals, and monitoring and reporting measurement equipment (SCADA). The ponds will be relatively shallow in depth (< 10 feet) and will include an earthen embankment around the perimeter of the pond.



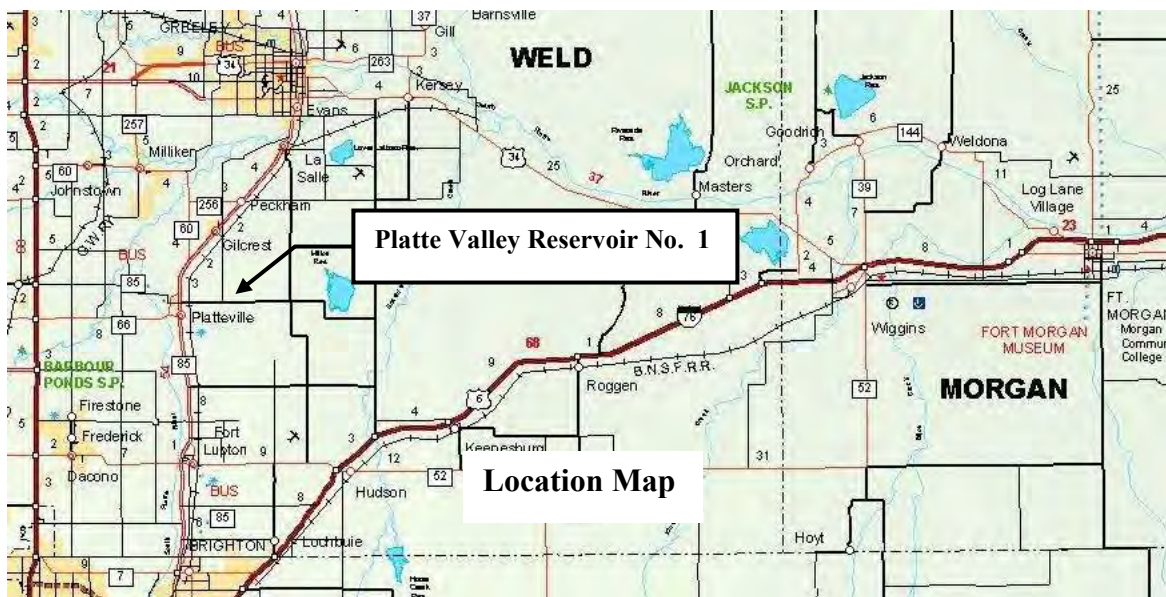
Location Map

C150235

Water Project Construction Loan Program - Project Data

Borrower: Platte Valley Irrigation Company	County: Weld
Project Name: Platte Valley Reservoir No. 1	Project Type: New Equalizer Reservoir
Drainage Basin: South Platte	Water Source: Evans Ditch No. 2
Total Project Cost: \$2,628,600	Funding Sources: CWCB, PVIC
Type of Borrower: Agricultural	Aver. Delivery: 52,401 acre-feet
CWCB Construction Fund Loan: \$2,388,650 (incl. 1% loan fee)	Interest Rate: 2.25% Term: 20 years

PVIC is a Colorado mutual ditch company and non-profit corporation serving approximately 14,832 acres of irrigated farm land in Weld County east of Platteville. PVIC diverts water for irrigation from the South Platte River near Fort Lupton and shares a jointly owned headgate with Farmers Reservoir and Irrigation Company (FRICO), as well as about 10 miles of the jointly owned Platte Valley Canal. Flow is divided at a bifurcation structure and PVIC water is carried in the Evans No. 2 Ditch. Average annual diversions are 52,401 acre-feet. PVIC needs an equalizer on the ditch to allow for more efficient management of the water, as well as additional measurement and control structures on their main ditch. They have purchased a 80 acre property to construct a reservoir. PVIC needs to improve the flow measuring capability of various reaches in the ditch, as directed by Water Court, in order to claim recharge credits in their system. The reservoir will have a junior water right for storage of water directed to PVIC's recharge program. In an average year the reservoir is expected to store 300 acre feet, with a 300 acre feet refill. Construction will consist of a 431 acre-foot reservoir with a 14 foot high dam embankment with 10:1 upstream slopes and 3:1 downstream slopes. The reservoir bottom will be lined using clay from the required excavation as necessary to exclude groundwater. The outlet will be a 48 inch RCP, configured to act as the principal spillway. The project also includes relocation of an existing section of Evans No. 2 Ditch below the split from the Platte Valley Canal, modification of the existing bifurcation structure, and construction of three (3) new Parshall Flumes in various reaches of the ditch, as directed by the Water Court.



NORTH DELTA IRRIGATION COMPANY NDIC TUNNEL REPAIR PROJECT



Before and after photos of the tunnel's east portal

Project Description

The North Delta Irrigation Company manages a twenty-three mile canal that delivers an average of 17,000 AF of water to its shareholders annually for irrigation of approximately 2,300 acres of land. The canal is an earthen ditch that included three sections of tunnel, the longest of which was a 1,450-foot tunnel through a shale mountainside. A 300-LF portion of the tunnel collapsed, blocking water deliveries to 94% of the headgates along the ditch. The Project consisted of replacing the tunnel with a pipe by reaming the tunnel to clear it of debris, fusing 1,500 LF of 54" HDPE pipe together, and pulling the pipe through the tunnel. In addition, the Company replaced nearly 1,600 LF of open channel ditch with HDPE pipe to maximize the capacity through the tunnel. The project restored the ability to convey water throughout the canal.

Project Data

Sponsor: North Delta Irrigation Company

County: Delta

Water Source: Gunnison River

Substantial Completion: April 1, 2014

Terms of Loan (Contract #C150331): \$808,000 for 30 years @ 3.10%

Design Engineer: West Water Engineering, Grand Junction, CO

Contractor: Petty Construction Company, Inc., Grand Junction, CO (Tunnel)

Beavers Construction Company, Hotchkiss, CO (Ditch Piping)

Project Elements: 1,500 LF of tunnel reaming, Install 1,500 LF of 54" HDPE, Install 1,600 LF of 60" HDPE, Construct 2 concrete collars joining the 60" and 54" pipe, (2) air release manholes, and portal backfill and grouting.

**Ordway Feedyard, LLC
Ordway Feedyard Raw Water Line Extension Project**



Project Description

The Company utilizes the feedyard to feed and tend cattle until they are market ready. It has 20 existing wells that are decreed for irrigation and stock watering. Prior to this project, there was no means to convey water between the Company's ranch and its feedyard. This Project secured a more reliable and affordable water supply by completing an infrastructure network capable of delivering high-quality well water from the ranch to the feedyard to augment its dependence on potable (approximately 14 AF per year) and leased water. The water supply enhancements of the Project were the reduced operational costs and transit and evaporation losses at an estimated rate of 850 AF annually. The economic benefit to Crowley County made it an active participant in the project, contributing cash and WSRA grant funds to assist in funding the Project. Construction occurred in the summer of 2013.

Project Data

Sponsor: Ordway Feedyard, LLC

County: Crowley

Water Source: Arkansas River

Terms of Loan: \$2,116,564.05 for 30 years @ 1.75%

Substantial Completion: April 1, 2014

Design Engineer: Kidd Engineering, Avondale, CO

Contractor: DK Environmental, Garden City, KS

Project Elements: 55,400 linear feet of 16-inch casing pipe, lined with 12-inch HDP, 10 fire hydrants, 1 booster station, and a Supervisory Control and Data (SCADA) System.

**Henrylyn Irrigation District
Prospect Reservoir Dam Facing Project**



Project Description

The Henrylyn Irrigation District was formed in 1907 under the Irrigation District Law of 1905. The District consists of 32,745 acres of irrigated farm land in Weld County. Their service area starts about 2 miles west of Hudson and extends generally east and south along I-76, to about 9 miles east of Keenesburg. Prospect Reservoir is an off-stream reservoir constructed in 1914 and has a Significant Hazard Large (Class 2) Dam with a height of 45 feet, a crest width of 18 feet, and a length of 5,300 lineal feet. The Prospect Reservoir Dam Facing Project will increase the erosion protection and dam stability by replacing a deteriorating concrete face at a 2:1 slope with a riprap face at a 3:1 slope. Construction occurred during the non-irrigation season of 2013/14. Dam Safety issued an Acceptance of Construction on April 17, 2014.

Project Data

Sponsor: Henrylyn Irrigation District

County: Weld

Water Source: South Platte River

Terms of Loan: \$1,824,204.41 for 30 years @ 1.75%
(Original Approval = \$2,967,279.00)

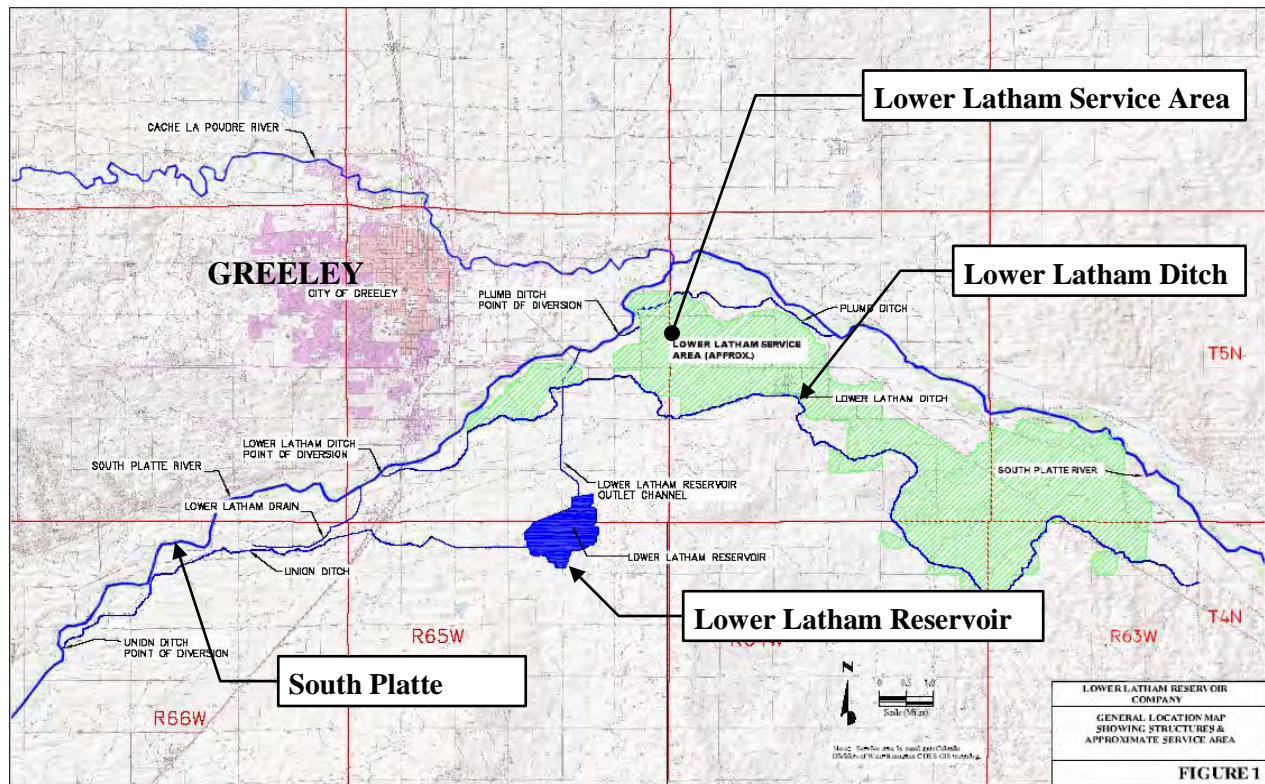
Substantial Completion: June 1, 2014

Design Engineer: Duane Smith, P.E. and L. Clint Brown, P.E.

Contractor: Zak Dirt, Inc.

Project Elements: Reface 2:1 concrete slope with 3:1 riprap slope, outlet conduit modifications

Lower Latham Reservoir Company WELL AUGMENTATION PROJECT (Phase III)



Location Map

Project Description

The Lower Latham Reservoir Company acquired mutual ditch shares for the purpose of providing augmentation water for existing shareholder wells. The Project included constructing groundwater recharge facilities and other system improvements to utilize these shares and shares acquired in Phases I & II. The Company provides augmentation water for 84 wells in Weld County by replacing out-of-priority pumping depletions. The Project included the purchase of five shares of the Lower Latham Ditch a portion of the Klein Farm and the Schmidt Farm for the recharge sites. The Company completed the recharge ponds on the sites in 2010.

Project Data

Sponsor: Lower Latham Reservoir Co **County:** Weld

Water Source: South Platte River

Original Loan Terms: \$3,811,573.00, 30 years @ 2.75%

Substantial Completion: June 1, 2014

Amended Loan Terms: \$2,417,359.17, 30 years @ 2.75%

Engineer: NoCo Engineering, Greeley, CO

Project Elements: Purchase of five shares of the Lower Latham Ditch, a portion of the Klein Farm, a portion of the Schmidt Farm, and construction of recharge ponds on the sites.

**Twenty Two Road Lateral, Inc.
TWENTY TWO LATERAL REPLACEMENT PROJECT**



Project Description

The Lateral Company received a loan to replace the weathered open channel ditch known as Twenty Two Road Lateral with a buried irrigation pipeline increasing efficiency, reducing salt loading and maintenance costs, and alleviating safety concerns. The existing concrete lined lateral has been in place since 1973. Maintenance became a growing concern due to cracks and gaps in the concrete lining. Residential and industrial growth in the vicinity of the ditch increased safety concerns for pedestrian and vehicular traffic due to the Lateral being only a few feet from the edge of the roadway. The Company received \$389,942 in funding assistance from NRCS which was applied to the loan after the Project was complete. The NRCS administers the Colorado River Basin Salinity Control Program by providing construction cost sharing and technical assistance using the USDA's Environmental Quality Incentives Program (EQIP). The NRCS managed the planning, design, and field engineering services for this project.

Project Data

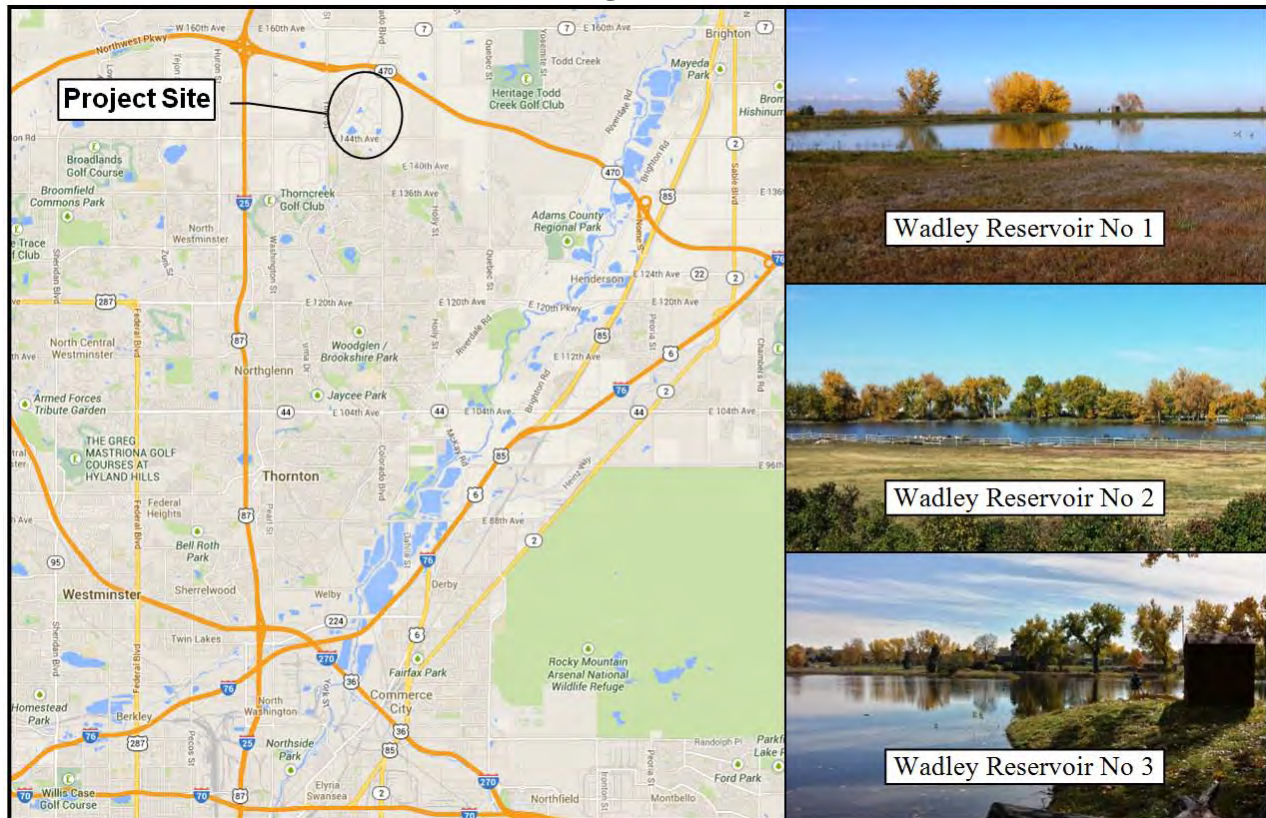
Sponsor: Twenty Two Road Lateral, Inc. **County:** Mesa **Water Source:** Grand Valley Irrigation Co
Terms of Loan: \$517,848 for 30 years @ 2.35% **Substantial Completion:** April 1, 2013
 Amended Terms: \$117,609.02 for 30 years @ 2.35%

Design Engineer: Natural Resources Conservation Service, Grand Junction, CO

Contractor: Professional Pipeline & Concrete Inc.

Project Elements: Removal of 13,000 LF of concrete lined ditch and the installed 16,200 LF of PVC irrigation pipe (18 inch diameter) including flow meters and valves.

Wadley Farms Filing No. 3 Homeowner's Association Water Rights Purchase



Project Description

The Wadley Farms Filing No. 3 Homeowner's Association was incorporated in 1982 and is responsible for providing Wadley Farms Filing No. 3 subdivision with a raw water irrigation and fire protection system. The subdivision is located in unincorporated Adams County near 144th Ave and Colorado Blvd in the north Denver Metropolitan area and has 109 large acre residential lots. The purpose of the Project is to increase the reliability of the Association's irrigation and fire protection raw water system by purchasing two shares of the Farmer's High Line Canal and Reservoir Company to add to the Association's portfolio of three shares of the same company. Water is stored in three storage reservoirs and is delivered through a pressurized underground pipe system to individual lots.

Project Data

Sponsor: Wadley Farms Filing No. 3
Homeowner's Association

County: Adams

Water Source: Clear Creek

Terms of Loan: \$727,200 for 30 years @ 2.75%

Substantial Completion: June 1, 2014

Design Engineer: Bishop-Brogden Associates, Inc.

Contractor: NA

Project Elements: Purchase of two (2) shares of Farmers High Line Canal and Reservoir Company

Colorado Water Conservation Board

Water Project Loan Program

Project Design Construction Status Report

County	Loan Amount	Design Const. Status	Start/End	Status	PM	Status Description/Update
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Contract Borrower

Projects In Construction

1	Bellyache Ridge Metro District > Well Replacement Project C150356	Eagle	\$169,175	100%	00 - 00	0%	AM	Project was bid in June 2014. The District received no bids. Engineer and District are reevaluating the project.
2	Bergen Ditch & Reservoir Company > Bergen Reservoir No. 2 Rehabilitation C150344	Jefferson	\$2,020,000	80%	2014 - 2015	0%	JH	Project is in final design phase, awaiting SEO approval
3	Boulder & Lefthand Irrigation Company > Tracy Lateral Pipeline C150357	Boulder	\$202,000	100%	Nov 13 - Jul 14	99%	JH	SC expected July 1, 2014.
4	Central CO WCD - WAS > Augmentation Water Supply Project C150337	Weld/ Adams/ Morgan	\$3,030,000	50%	Apr 13 - Apr 15	30%	JH	Purchased a portion of the water rights on 4/25/13.
5	Colorado Parks & Wildlife > Beaver Park Reservoir Rehabilitation C150343	Rio Grande	\$10,000,000	Ph1 100% P2 100%	Summer '13 & Summer '14	90% 25%	KR	Phase 1 Alsand Construction \$2M. Spillway & Grout work near complete. Phase 2 Construction is underway.
6	Crystal Lakes Water and Sewer Association > Lower Lone Pine Lake Enlargement Project C150325	Larimer	\$2,363,400	100%	Apr 12 - Oct 14	60%	AM	Construction began in September 2013. SC expected in the Fall 2014.
7	Dillon, Town of > Old Dillon Reservoir Enlargement C150295	Summit	\$1,515,000	100%	Sep 10 - Jul 13	99%	KR	Construction is complete and accepted. As-built drawings indicated areas of the dam that were not at the correct elevation. Repair work is expected in summer of 2014. Partial fill allowed. SC expected in late Summer 2014.
8	Eckhardt Farms Inc > Water Rights Purchase C150338	Weld	\$1,336,230	N/A	Jan 13 - Jan 17	0%	AM	Borrower is preparing a change in scope to change the ditch company shares being purchased.
9	Farmers' High Line Canal and Reservoir Company > System Rehabilitation Project C150314	Adams/ Jefferson	\$2,209,597	100%	Feb 11 - Feb 15	99%	JH	The Co. received a loan increase of nearly \$900K in November 2012. Siphons complete. Clear Creek construction finished April 2014. SC expected July/August 2014
10	Farmers Pawnee Canal Company > Diversion Structure Replacement Project C150394	Logan	\$2,067,470	1	Fall 14 - Spring 15	0%	DJ	Headgate order for fabrication to be completed. Expect construction in Sept 2014.

Design and Construction Status Report

Contract Borrower		County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
11	Fisher Ditch Company > Ditch Infrastructure Project C150319	Denver	\$454,500	100%	Nov 12 - June 16	99%	JH	The Broadway Pipeline task was completed December 2012. The Headgate Rehabilitation task was completed March 2014. Sandout gate installation completed April 2014. Substantial Completion expected July/August 2014
12	Fowler, Town of > Augmentation Pipeline Project C150359	Otero	\$277,245	100%	Nov 13 - July 14	0%	DJ	Bid documents being prepared. Ongoing Div2 change case. Completion of construction anticipated by end of summer.
13	Georgetown, Town of > Outlet Works Modification Project C150321	Clear Creek	\$2,976,975	95%	Aug 14 - Dec 14	0%	AM	Final design is complete. The bid has been awarded and construction will begin in late summer 2014.
14	Grand Mesa Water Conservancy District > Peak Res. & Blanche Park Res. Rehabilitation C150354	Delta	\$227,250	100%	Mar 13 - Nov 14	85%	AM	Construction began in the 2013 season and will be completed in the 2014 construction season.
15	Greeley Irrigation Company > Greeley Canal No. 3 Rehabilitation C150239	Wled	\$2,233,867	90%	Feb 08 - Dec 14	90%	KR	Nearly complete. The Company is working on their SCADA system and the realignment and reshaping of various sections of existing channel.
16	Greeley & Loveland Irrigation Company > Irrigation System Improvements C150362	Larimer	\$3,154,230	50%	Fall 14 - Spring 15	0%	JH	Floods delayed project timeline. Gate installation ongoing, remaining construction expected to begin after 2014 irrigation season.
17	Gypsum, Town of > LEDE Ditch and Reservoir Rrehabilitation C150296	Eagle	\$2,689,731	100%	Jul 13 - Sep 16	30%	DJ	The Town received a WSRA grant for an enlargement of the Reservoir. The supply pipeline completed in Sept 2010. Construction began in winter 2013 and continues into 2014. Dam earthwork is underway.
18	Huerfano County Water Conservancy District > Regional Augmentation Project C150364	Huerfano	\$2,222,000	100%	Mar 14 - Oct 15	60%	AM	Land and water rights purchase to occurred in January 2014. Camp Ranch augmentation site construction is underway.
19	Joseph W. Bowles Reservoir Company > Bowles No. 1 Dam Rehabilitation C150290	Jefferson	\$1,703,870	100%	Aug 10 - Dec 14	90%	JH	Dam construction project was completed in 2011. Ditch construction completed fall 2013. Minor final construction items to be completed spring/summer 2014.
20	Lake Canal Reservoir Company > North Gray Reservoir Rehab Project C150299	Larimer/ Weld	\$393,900	20%	2015 - 2016	0%	JH	The Company's engineer is working on the design. Project has been delayed until neighboring Boxelder East Side Detention Facility is finalized.
21	Lake Durango Water Authority > Source Water Supply Project C150317	LaPlatta	\$2,525,000	5%	2015 - 2016	0%	KR	

Design and Construction Status Report

Contract Borrower		County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
22	Lamar, Town of > Raw Water Transmission Line Replacement C150367	Prowers	\$792,850	100%	Mar 14 - Nov 14	40%	D J	Construction 80% complete.
23	Left Hand Ditch Company > Allen Lake and Lake Isabelle Repair Project C150336	Boulder	\$1,475,307	100%	Nov 12 - June 15	90%	AM	Allen Lake construction was completed in August 2013. Lake Isabelle outletworks construction will be completed in 2014/2015.
24	Lone Cabin Ditch & Reservoir Company > Lone Cabin Dam Rehab. Project C150361	Delta	\$252,803	100%	Summer 14 - Fall 14	0%	DJ	Contractor selected. Mobilization for construction started.
25	Mancos Water Conservancy District > Inlet and Outlet Canal Rehabilitation C150120	Montezuma	\$5,486,531	100%	Jan 04 - Oct 15	98%	KR	Rehabilitation of ditch system involving retaining walls and access road along the ditch was completed in 2009. Additional 1000ft of ditch lining under constructed in October 2013.
26	McDonald Ditch Company > Ditch Diversion and Headgate Replacement C150334	Rio Grande	\$101,000	0%	00 - 00	0%	JH	
27	Missouri Heights - Mountain Meadows Irrigation Company > Irrigation Ditch lining Project C150351	Eagle/ Garfield	\$454,500	100%	Sept 13 - June 14	99%	KR	Installation of HDPE locking channel liner installed in fall of 2013. Final inspection and cleanup to be completed in summer of 2014
28	Monte Vista, City of > Augmentation Water Rights Acquisition C150309	Rio Grande	\$1,693,770	n/a	Oct 10 - Jul 15	50%	AM	The City purchased Anderson Ditch rights and will file a water court application to enable the use of those rights to replace depletions. Contracted with the San Luis Valley Irr. Dist. for storage space in the Rio Grande Res. City continues negotiations to purchase additional water.
29	North Poudre Irrigation Co > Reservoir No. 4 Rehabilitation C150378	Larimer	\$1,636,200	0%	00 - 00	0%	JH	
30	Overland Ditch and Reservoir Company > Overland Reservoir Rehabilitation C150206	Delta	\$1,130,000	50%	Permitting	0%	KR	Project on-hold until fens can be addressed in enlarged reservoir area.
31	Owl Creek Reservoir Company > Owl Creek Reservoir Rehabilitation C150089	Weld	\$1,125,000	99%	On Hold	0%	TF	The Company received bids and does not have enough funds to complete the project. The Company has expended approximately \$450,000 to-date for permitting, soils, and design and will need an additional \$600,000 to complete the project. A project partner is being sought.
32	Penrose Water District > Water Rights Purchase and Pipeline Installation C150237	Fremont	\$8,844,570	80%	Sumr 14 - Fall 15	50%	DJ	Water rights purchased in 2005. Water court application filed in 2006. Brush Hollow Res. Closing in 2011. Ark river well field purchased in 2012. Bid period mid-May 2014. Bid open mid-June 2014. Concurrent Fremont special use permit process.

Design and Construction Status Report

Contract Borrower		County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
33	Petrocco Family Limited Partnership > Water Rights Purchase C150363	Adams/ Weid	\$840,825	N/A	N/A	N/A	JH	Water rights purchase, no construction to occur. Expect to reimburse spring 2014.
34	Pisgah Reservoir and Ditch Company > Mount Pisgah Dam/Wrights Reservoir Rehab C150341	Teller	\$162,958	75%	Spring 14 - Dec 16	0%	JH	After SEO design review, scope of Project increased. May need additional funds.
35	Ridgway, Town of > Lake Otonowanda Rehabilitation Project C150340	Ouray	\$606,000	100%	Spring 14 - Fall 14	5%	KR	Land acquisition purchase completed. Construction is underway. Earthwork and outlet construction.
36	Riverside Ditch and Allen Extension Company > Ditch System Rehabilitation C150301	Chaffee	\$186,345	85%	Jul 10 - Dec 13	80%	KR	Ditch lining phase of the project was completed in December 2010. Additional phases will be constructed in the 2014. Utilizing NRCS La Junta Fid office for design and assistance with field modifications of original work.
37	Riverside Reservoir and Land Company > Riverside Reservoir Spillway Enlargement C150291	Weld	\$2,838,100	80%	Sep 10 - Sep 16	0%	DJ	The engineer is re-evaluating design options with support from the SEO. Construction not expected until summer of 2015.
38	Roxborough Water & Sanitation Dist. > Raw Water Supply Project C1503346	Douglas	\$18,538,550	100%	Oct 14 - Dec 14	0%	AM	Project Bill (SB-181) approved. Purchase is expected to occur by the end of 2014.
39	Sanchez Ditch and Reservoir Company > Sanchez Reservoir Outlet Rehabilitation Project C150342	Costilla	\$1,128,776	95%	Summer 14 - Winter 15	0%	AM	Project is in final design phase. Plans were submitted to the SEO and final approval is expected by Aug 2014. The project was bid and construction is expected to occur in 2014/2015. A loan increase will be necessary.
40	Santa Maria Reservoir Company > Siphon and Canal System Rehabilitation Project C150350	Hinsdale/ Mineral	\$1,405,163	100%	2014 - 2015	10%	AM	Bid was awarded in April 2014. Construction will begin in May 2014.
41	Santa Maria Reservoir Company > Continental Dam Spillway Rehabilitation Project C150365	Hinsdale/ Mineral	\$3,071,633	100%	2014 - 2015	5%	AM	Bid was awarded in April 2014. Construction will begin in May 2014 and is scheduled for two construction seasons.
42	Terrace Irrigation Co > Spillway Replacement Project C150332	Conejos	\$2,751,968	100%	Jul 12 - Jul 13	99%	KR	Construction by ASI Contractors is complete. ASI reduced its claim from \$700K to \$90K for additional work performed. Decision pending. SEO has provided final approval.
43	Thunderbird W&S Dist > Lambert Ranch Water Rights Purchase C150320	Douglas	\$318,150	100%	N/A	0%	JH	Closing has been delayed until 2014 due to easement access to purchased wells.

Design and Construction Status Report

Contract Borrower		County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
44	Tri-County Water Conservancy District > Ridgway Reservoir Micro Hydro Project C150324	Ouray/ Mont/ Delta	\$13,130,000	100%	Jul 12 - Jul 14	99%	KR	Construction and testing is complete and power production is underway. Ribbon Cutting Ceremony scheduled for June 6th, 2014.
45	Upper Arkansas Water Conservancy District > Reservoir Rehabilitation C150192	Chaffe/ Custer	\$3,520,000	100%	Jun 05 - Jan 14	90%	KR	The project requires Forest Service special use permit and an environmental assessment prior to construction. The initial phase of construction was awarded to ASI, Buena Vista, CO, and completed in May 2007. The enlargement effort is delayed due to NEPA permitting.
46	Windsor, Town of > Kyger Reservoir Project C150366	Larimer/ Weld	\$4,545,000	0%	Fall 14 - Spring 15	0%	JH	Floods delayed project timeline. Town to purchase reservoir spring/summer 2014

Projects Under Contract SubTotal = \$119,807,439

Projects Not Under Contract

a	Boxelder Basin Regional Stormwater Authority > Larimer and Weld Canal Crossing Structure Project C150352	Larimer/ Weld	\$1,010,000	In Contracting	JH	
b	Boxelder Basin Regional Stormwater Authority > East Side Detention Facility Project C150353	Larimer/ Weld	\$7,171,000	In Contracting	JH	
c	Boxelder Basin Regional Stormwater Authority > County Rd 52 Culvert Project C150393	Larimer/ Weld	\$818,100	In Contracting	JH	
d	Castle Pines Metro. District > Chatfield Project C150403	Douglas	\$5,085,615	In Contracting	JH	
e	Castle Pines North Metro. District > Chatfield Project C150404	Douglas	\$5,857,814	In Contracting	JH	
f	Centennial W&S District > Chatfield Project C150405	Arapahoe	\$45,450,000	In Contracting	JH	
g	Center of Colorado WCD > Chatfield Project C150406	Park	\$606,000	In Contracting	JH	

Design and Construction Status Report

Contract Borrower			County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
h	Central Colorado WCD > Chatfield Project C150407		Weid	\$28,684,000		In Contracting		JH	
i	Cottonwood Water & San. District > WISE Project C150408		Douglas/ Arapahoe	\$4,040,000		In Contracting		DJ	
j	East Mesa Water Company > Ditch Piping Project C150360		Pitkin/ Garfield	\$555,500		In Contracting		KR	
k	Ephraim Ditch Company > Ephraim Diversion and Headgate Rehabilitation C150402		Rio Grande	\$101,000		In Contracting		JH	
l	Fulton Irrigating Ditch Company > Diversion Structure Rehabilitation Project C150399		Adams	\$2,020,000		In Contracting		DJ	
m	Inverness Water & San. District > WISE Project C150409		Douglas/ Arapahoe	\$5,050,000		In Contracting		DJ	
n	Northern Colorado WCD- Hydropower Enterprise > Granby Hydropower Project C150396		Grand	\$5,858,000		In Contracting		JH	
o	Parker Water & San. District > WISE Project C150410		Douglas/ Arapahoe	\$12,120,000		In Contracting		DJ	
p	Pinery Water & Wastewater District > WISE Project C150411		Douglas	\$10,100,000		In Contracting		DJ	
q	Prairie Ditch Company > Plaza Phase 3: Prairie Ditch Implementation Project C150400		Rio Grande	\$131,300		In Contracting		JH	
r	Sanford Canal Company > Sanford Diversion and Headgate Rehabilitation C150401		Rio Grande	\$101,000		In Contracting		JH	

Design and Construction Status Report

Contract Borrower		County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
s	San Luis Valley Water Conservancy District > Anaconda Ditch Water Right Acquisition C150348	Alamosa	\$839,000		In Contracting		AM	
t	Southeastern CO Water Conserv. District > Arkansas Valley Conduit C150238	Crowley	\$60,600,000		In Contracting		KR	Pending Federal Appropriation

Not Under Contract SubTotal = \$196,198,329

Grand Total = \$316,005,768

C150356

**CWCB Water Project Loan Program
Project Data Sheet**

Borrower: Bellyache Ridge Metropolitan District **County:** Eagle

Project Name: Well Replacement Project

Project Type: Well Drilling

Drainage Basin/ District: Colorado / 37

Water Source: Groundwater

Total Project Cost: \$355,000

Funding Source: Construction Fund/
DOLA Energy and Mineral Impact
Assistance Fund

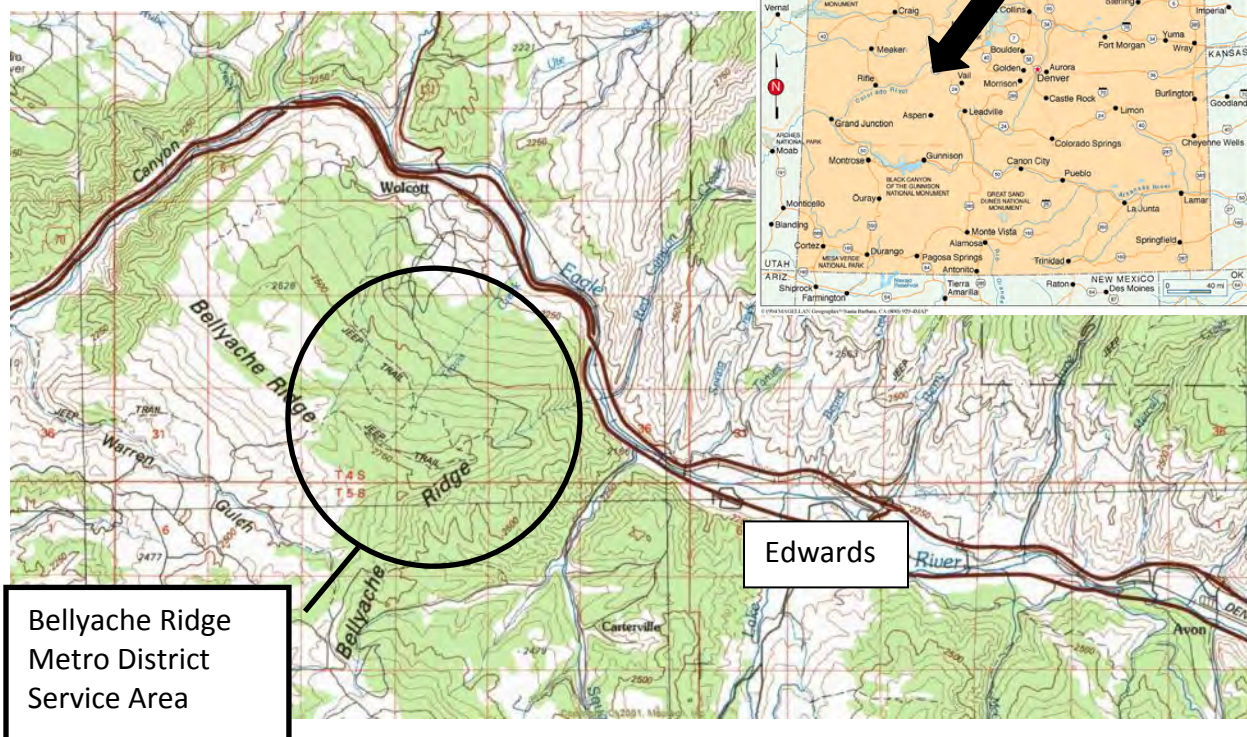
Type of Borrower: Municipal (High)

Average Annual Diversion: 11 AF

CWCB Loan: \$169,175
(with 1% Service Fee)

Interest Rate: 3.0% **Term:** 30 years

The District is located in Eagle County approximately six miles west of Edwards, Colorado. The District's water system includes three wells that fill two storage tanks. From January through March of 2013, the District had to haul in water because declining well production was not able to keep up with demands. Spring storms recharged the groundwater supply such that the District has not hauled water since March, but unless a new well is drilled hauling water will likely be required in the future. A new replacement well will be drilled as soon as funding is available.

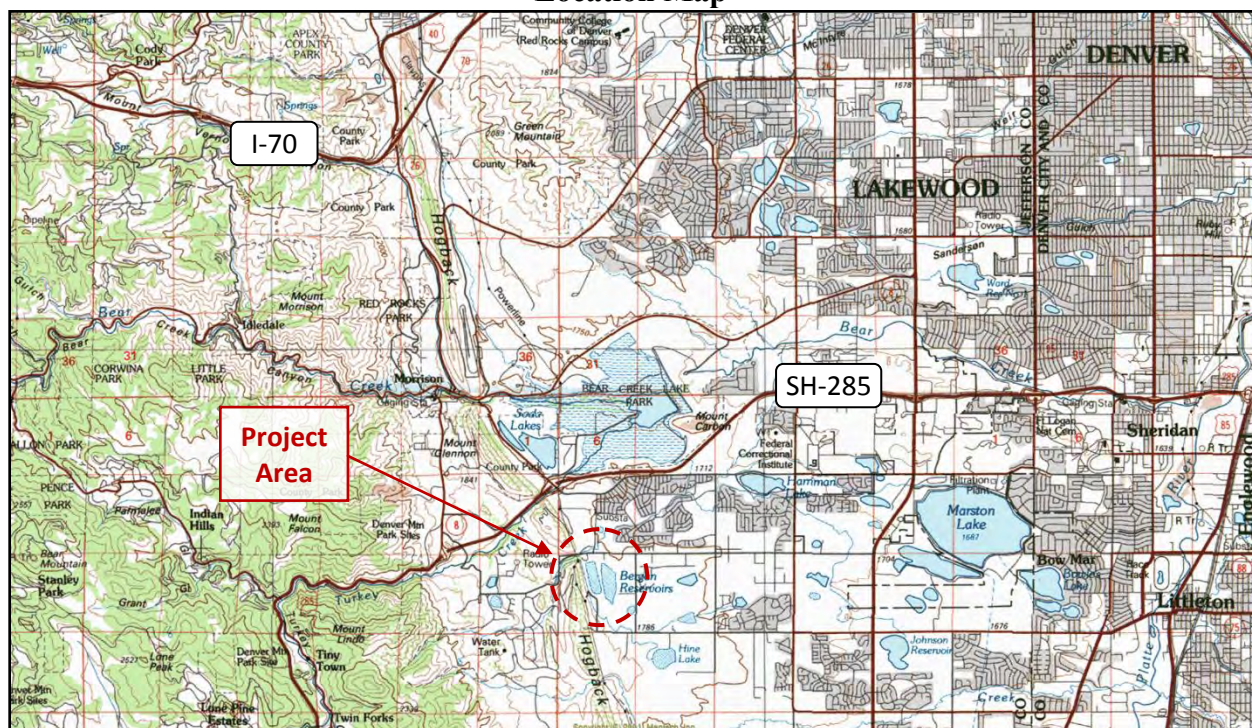


C150344

Water Project Loan Program – Project Data Sheet

Borrower:	Bergen Ditch & Reservoir Company	County:	Jefferson
Project Name:	Bergen Reservoir No. 2 Rehabilitation	Project Type:	Dam Rehabilitation
Drainage Basin:	South Platte, District 9	Water Source:	Turkey Creek
Total Project Cost:	\$2,225,000	Funding Source:	Construction Fund
Type of Borrower:	Blended - (64% high-income muni, 36% middle-income muni)	Avg. Annual Diversion:	800 AF
CWCB Loan:	\$2,020,000 (w/ 1% service fee)	Interest Rate:	3.15%
		Term:	30 years

The Bergen Ditch and Reservoir Company utilizes Bergen Ditch to divert water off Turkey Creek and deliver it to shareholders through a series of open and piped ditches, reservoirs, pumps and pipelines. The Company owns three reservoirs, Bergen No.1, Bergen No. 2 and Polly Deane. Bergen No. 2 was originally constructed in 1874. The dam has an ongoing history of slumping and seepage issues. In 2007 the dam's outlet works were damaged and temporary repairs were made in 2009. Ongoing SEO inspection reports have monitored seepage, stability, erosion and outlet concerns over recent years. Following the latest inspection report the SEO verbally recommended the Company consider rehabilitation of the dam or face the possibility of a storage level restriction. This project consists of full replacement of the outlet works and rehabilitation of the dam.

Location Map

**CWCB Water Project Loan Program
Project Data Sheet**

C150357**Borrower:** Boulder and Left Hand Irrigation Company**County:** Boulder**Project Name:** Tracy Lateral Pipeline at the Wederquist "Y"**Project Type:** Ditch Rehabilitation**Drainage Basin/ District:** South Platte / 6**Water Source:** Boulder Creek**Total Project Cost:** \$175,000**Funding Source:** Construction Fund**Type of Borrower:** Municipal/Agricultural**Average Annual Diversion:** 2,869**CWCB Loan:** \$159,075 (with 1% service fee)**Interest Rate:** 2.35% **Term:** 30-years
(Blended)

The Boulder and Left Hand Irrigation Company is a Mutual Ditch Company and Non-Profit Corporation. The Irrigation Company acquired Boulder and Left Hand Ditch Company in 1921, which had operated the ditch system since 1873. The Irrigation Company serves approximately 2,000 acres of farm land between Boulder, CO and Longmont, CO. The Tracy Lateral Pipeline at the Wederquist "Y" project will improve the hydraulic efficiency of the Tracy Lateral while reducing the operational and maintenance cost of the Irrigation Company by replacing a 1500 ft problem section of the Tracy Lateral with a pipeline. Construction is expected to commence in the fall of 2013.

Project Site ————— ○

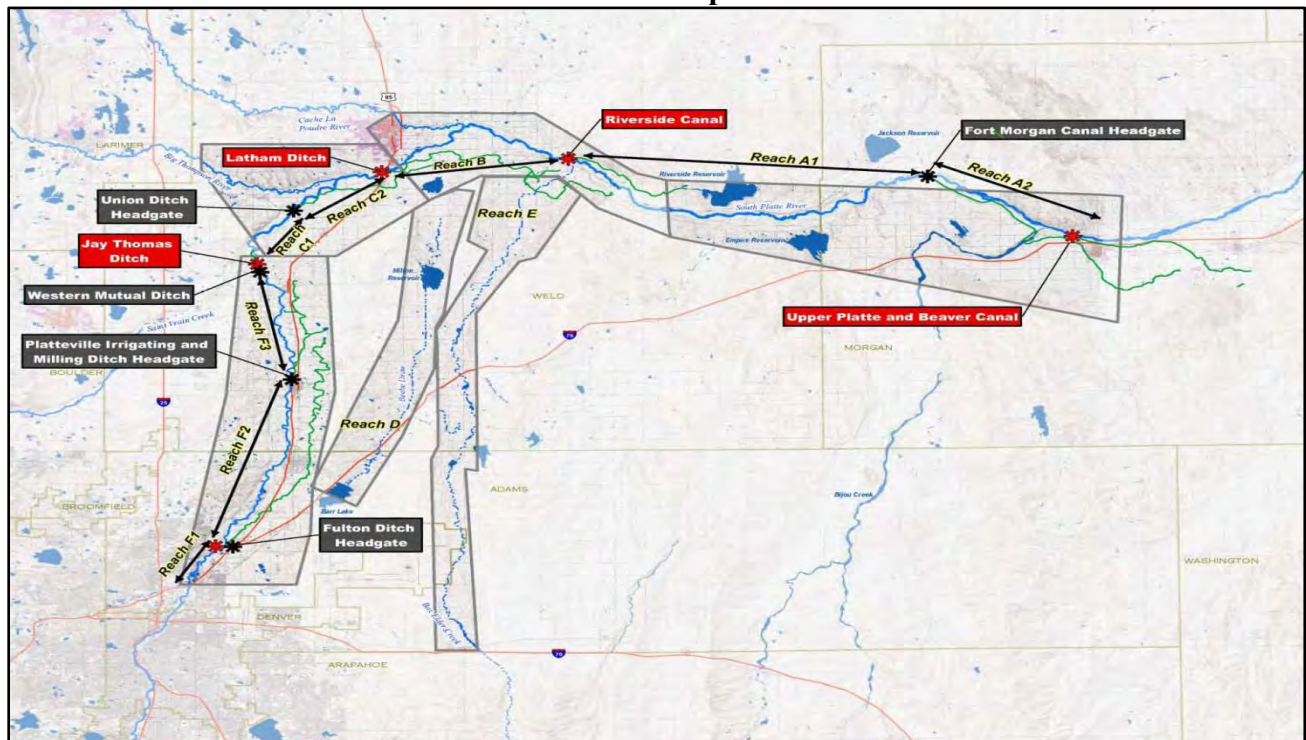


Water Project Loan Program – Project Data Sheet

Borrower:	Well Augmentation System of the Central Colorado Water Conservancy District	County:	Weld, Adams, Morgan		
Project Name:	Water Rights Purchase & Gravel Pit Storage Project	Project Type:	Water Rights Purchase & Augmentation Facility		
Drainage Basin:	South Platte	Water Source:	South Platte Basin		
Total Project Cost:	\$3,333,400	Funding Source:	Construction Fund		
Type of Borrower:	Agricultural	Annual Depletions Covered:	20,400 AF		
CWCB Loan:	\$3,030,000 (w/ 1% service fee)	Interest Rate:	1.75%	Term:	30 years

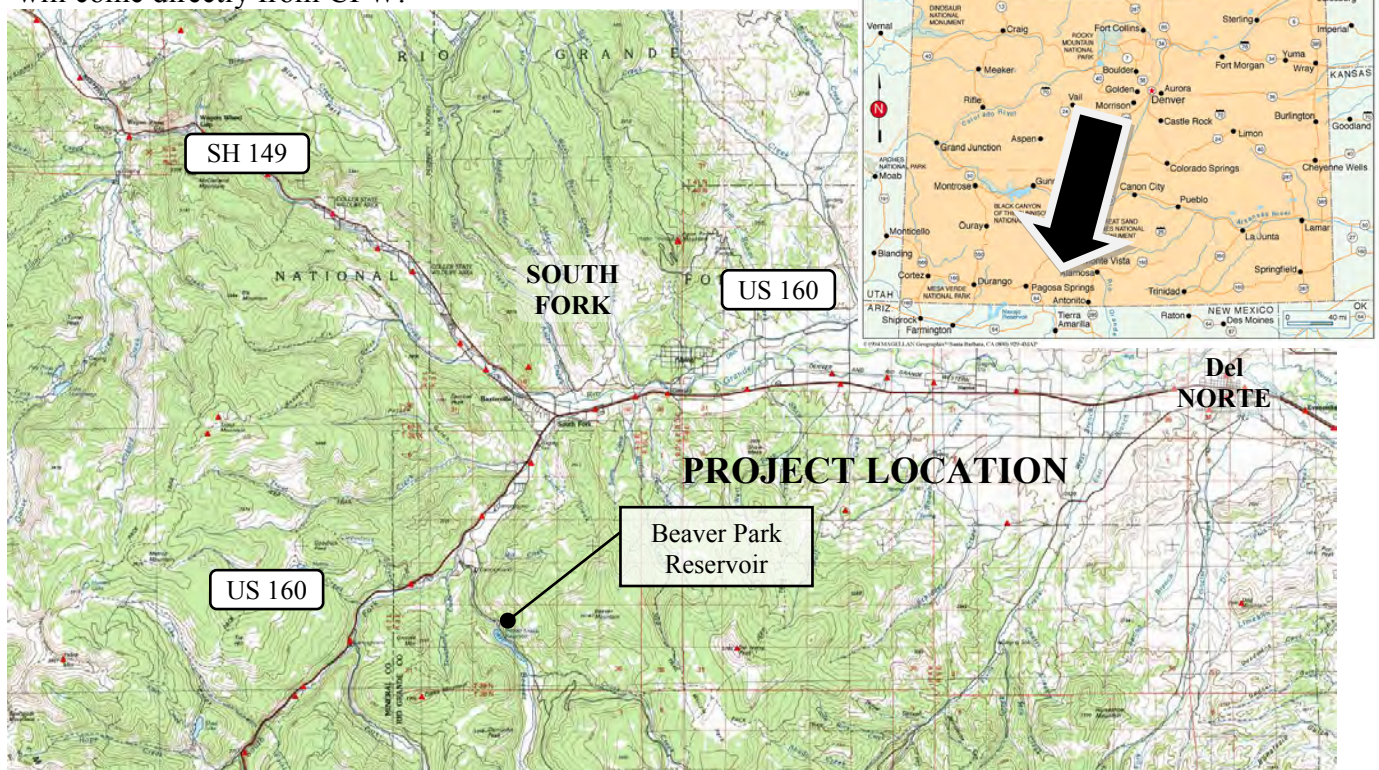
The Well Augmentation Subdistrict (WAS) of the Central Colorado Water Conservancy District is located in Adams, Weld, and Morgan counties. WAS is a special district created by the Weld County District Court on January 8, 2004, pursuant to the applicable provisions of the “Water Conservancy Act”, Section 37-45-101, C.R.S. It has the power to acquire and sell water rights, construct and operate facilities, exercise eminent domain, levy taxes, and contract with other agencies. WAS has operated an augmentation plan since 2004, covering approximately 78 square miles and 214 predominantly agricultural member wells. WAS has an average annual depletion of 20,400. WAS has requested a loan for purchasing more water and storage rights to enable WAS to issue a pumping quota to member wells for the first time since 2006. The WAS General Fund will cover the remaining project expenses.

Location Map



**CWCB Water Project Loan Program
Project Data Sheet****Borrower:** Colorado Parks and Wildlife**County:** Rio Grande**Project Name:** Beaver Park Dam**Project Type:** Reservoir Rehabilitation**Drainage Basin:** Rio Grande Basin**Water Source:** Beaver Creek**Total Project Cost:** \$15,939,606**Funding Source:** Construction Fund**Type of Borrower:** State Agency**Average Annual Diversion:** 4,434 AF**Restricted Capacity Reclaimed:** 2,201 AF**CWCB Loan:** \$10,000,000**Interest Rate:** 0% **Term:** 30-year

Colorado Division of Parks and Wildlife (CPW) is applying for a loan for the Beaver Park Dam Rehabilitation Project (Project). Beaver Park Reservoir (Reservoir) was originally constructed in 1914 and provides for general recreation, fishing, and water storage. In 2010, a sinkhole along the left abutment was observed by the State Engineer's Office (SEO), which resulted in the SEO placing a 20 foot fill restriction on the Reservoir. The restriction resulted in the Reservoir's capacity being reduced from 4,758 to 2,557 acre-feet. To remove the restriction, CPW intends to construct a downstream filter/drain system, an upstream high density liner, and a spillway chute. The total Project cost for the alternative selected is \$15,939,606. The General Assembly authorized CPW for a \$10,000,000 loan, at a 0% interest rate, through the 2012 Projects Bill (SB12S-002) to assist in constructing the Project, contingent upon final loan approval by the Colorado Water Conservation Board (CWCB). The remaining funds to construct the Project will come directly from CPW.



Water Project Loan Program – Project Data Sheet

Borrower: Crystal Lakes Water and Sewer Association

County: Larimer

Project Name: Lower Lone Pine Reservoir Enlargement

Project Type: Reservoir Enlargement

Drainage Basin: South Platte, District 1

Water Source: North Lone Pine Creek
(tributary to Cache la Poudre River)

Total Project Cost: \$2,600,000

Funding Source: Construction Fund

Type of Borrower: Lower-Income Municipal

Avg. Annual Diversion: 271 AF

CWCB Loan: \$2,363,400 (w/ 1% service fee)

Interest Rate: 4.00% **Term:** 30 years

The Crystal Lakes Water and Sewer Association (Association) is requesting a loan to enlarge Lower Lone Pine Lake Reservoir from 10.5 AF to 100.5 AF. The enlargement will be used to store Upper Lone Pine Reservoir (no yet constructed) water rights in Lower Lone Pine Reservoir for the purpose of augmentation of well water consumption for residences of Crystal Lakes. The Crystal Lakes subdivision, a private community located in Larimer County, was established in 1969 and includes 1,656 lots distributed over 4,800 acres. More than 800 residences are currently served by the Association. The decreed augmentation plan specifically links the allowable use of water to the amount of augmentation water held in storage. Without increased storage capacity the community is likely to face routine water restriction. No change in use of the Upper Lone Pine Reservoir rights has been requested, only an alternate place of storage.

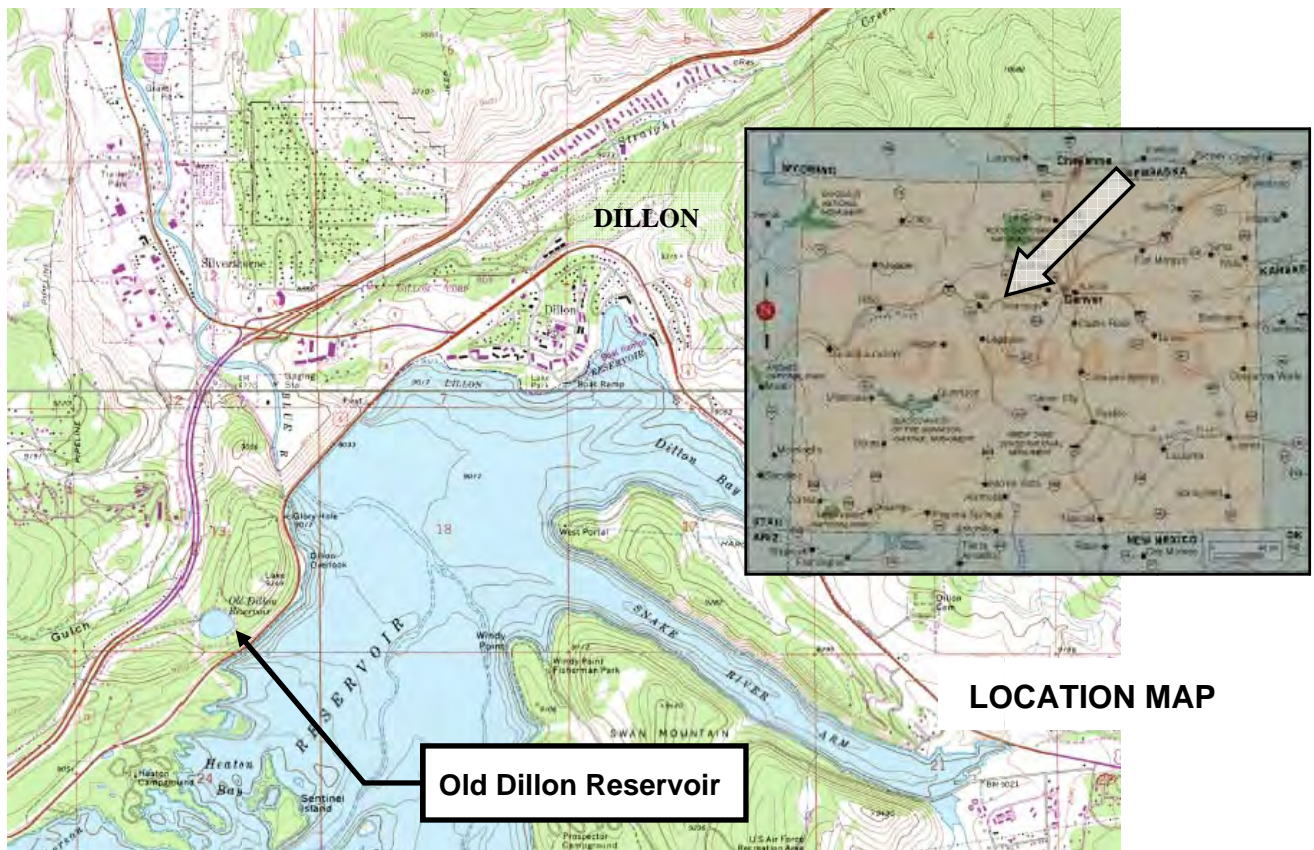
Location Map



CWCB Construction Loan Program Project Data Sheet

Borrower: Town of Dillon**County:** Summit**Project Name:** Old Dillon Reservoir Enlargement **Project Type:** Reservoir Enlargement**Drainage Basin:** Colorado River**Water Source:** Salt Lick Gulch**Total Project Cost:** \$6,315,000 Total Cost
\$1,667,000 Town's Portion**Funding Sources:** Construction Fund**Type of Borrower:** Municipal Middle Income**Average Delivery:** 321 AF**New Storage:** 109 AF (Restricted + New)**Loan Amount:** \$1,515,000 (Including 1% fee)**Interest Rate:** 4.0% **Term:** 30 years

The Town of Dillon is applying for a loan to participate in the enlargement of the Old Dillon Reservoir. In 2004, the Town, Summit County and Town of Silverthorne signed an agreement to enlarge the reservoir. The Town's participation cost is approximately 27% of the construction costs and 20% of the Engineering costs. The Town and the County initiated a feasibility study in 1995. The Reservoir was originally constructed as a 46 AF raw water storage reservoir filled via the Dillon Ditch, which diverts from Salt Lick Gulch. The Reservoir site is southwest of the Dillon Reservoir Dam. In the summer of 2008, the SEO issued an order to drain the Reservoir due to concerns over the integrity of the north dam. The Reservoir is currently not available for storage. Permitting is underway and construction of the enlargement is scheduled to occur in 2010.



C150338

CWCB Water Project Loan Program Project Data Sheet

Borrower: Eckhardt Farms Inc.**County:** Weld**Project Name:** Water Rights Purchase**Project Type:** Water Rights Purchase**Basin:** South Platte **District:** 1**Water Source:** Western Mutual Ditch**Total Project Cost:** \$1,470,000**Funding Source:** Construction Fund**Type of Borrower:** Agricultural**Average Annual Diversion:** 694 AF**CWCB Loan:** \$1,336,230 (w/ 1% service fee) **Interest Rate:** 1.75% **Term:** 30-years

Eckhardt Farms Inc. is located in Weld County near LaSalle, Colorado. The farming Corporation has been incorporated since 1993. It farms 3,000 acres and generates revenues from crops of hay, wheat, corn, sugar beets, onions, and pinto beans. In the past, the Corporation was able to irrigate with well water. The wells it used are part of Central Colorado Water Conservancy District's – Well Augmentation Subdistrict and have not been able to be pumped since 2005. Since that time the Corporation has been leasing shares in the Western Mutual Ditch Company. Through this loan, the Corporation intends to purchase the water it has been leasing for the past seven years and continue to use it for agricultural production.



**CWCB Water Project Loan Program
Project Data Sheet**

Borrower: Farmers' High Line Canal and Reservoir Company

Project Name: System Rehabilitation

Drainage Basin/District: South Platte / 7

Total Project Cost: \$2,430,000

Type of Borrower: Municipal

CWCB Loan: \$2,209,597 (incl. 1% loan fee)

County: Adams/Jefferson

Project Type: Ditch Rehabilitation

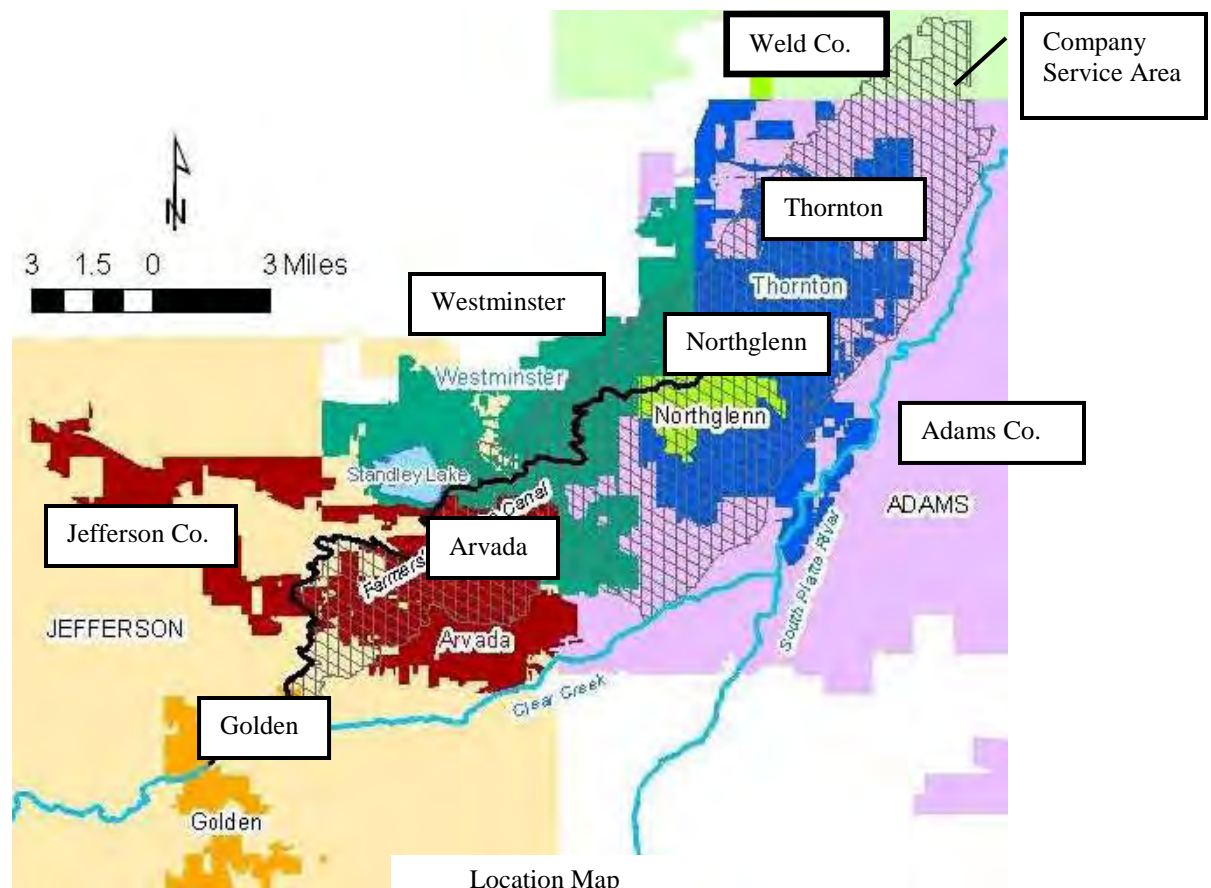
Water Source: Clear Creek

Funding Source: Construction Fund

Water Delivery: 24,000 AF/yr

Interest Rate: 4.65% **Term:** 30 years
(Blended rate)

The Farmers High Line Canal and Reservoir Company (Company) is a ditch company that was established in 1885. It diverts water off of clear creek and it delivers water through a 31 mile canal running from Golden to Northglenn, through Arvada and Westminster. The Company has completed a canal evaluation and engineering planning study and identified a list of improvements it intends to do with the CWCB loan proceeds. These items include: replacement of corroded drain pipes, replacement of three siphons, headgate rehabilitation, SCADA control system installation at the headgate, diversion dam rehabilitation, and tree removal along the ditch. This work is expected to be completed between the fall of 2010 through the winter of 2014.



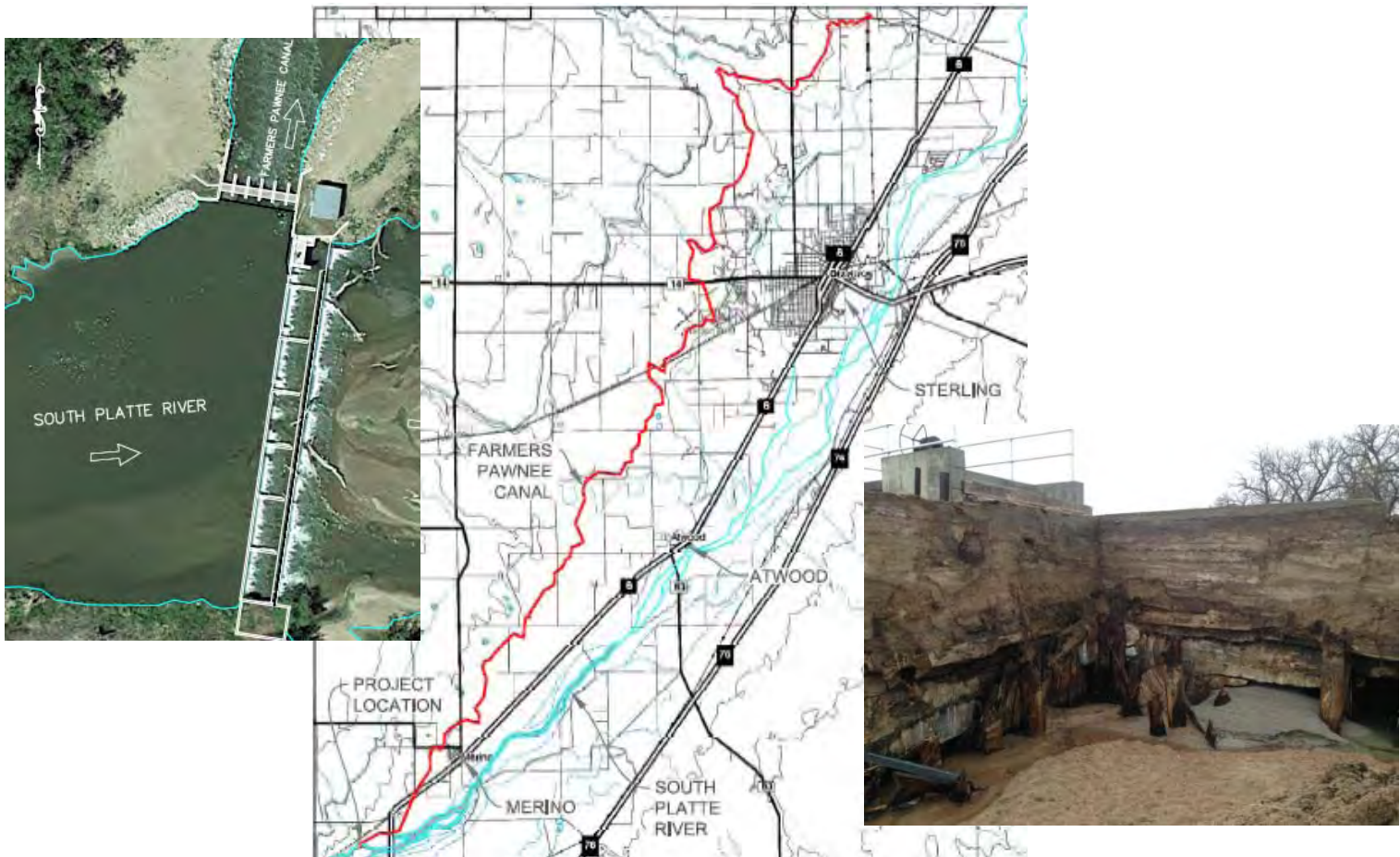
Location Map

**CWCB Water Project Loan Program
Project Data Sheet**

C150394

Borrower: Farmers Pawnee Canal Company**County:** Logan**Project Name:** Diversion Structure Replacement Project**Project Type:** Diversion Structure**Drainage Basin/ District:** South Platte / 64**Water Source:** South Platte River**Total Project Cost:** \$2,047,000**Funding Source:** Construction Fund**Type of Borrower:** Agricultural**Average Annual Diversion:** 27,956 AF**CWCB Loan:** \$2,067,470
(with 1% service fee)**Interest Rate:** 1.75% **Term:** 30 years

The Company provides irrigation water to a 10,000 acre service area, extending from one mile south of Merino to four miles north of Sterling along the west side of the South Platte River. The Company's diversion structure is 218-foot long rollover diversion dam that spans the width of the river. Adjacent to the dam is the Company's 40-foot canal headgate structure. Both structures were originally built in 1926. After the September 2013 flood, the river began to undermine the structures. Attempts to repair the structures with additional steel sheet piling and concrete were not successful and the undermining worsened. The Company intends to rebuild the diversion dam and canal headgate. Replacement of the diversion dam provides the Company with an opportunity to utilize an improved design and alleviate an ongoing maintenance issue of sand accumulation within the canal. Construction is expected to occur in the fall/winter of 2014/2015.



Water Project Loan Program – Project Data Sheet

Borrower: Fisher Ditch Company

County: Denver

Project Name: Ditch Infrastructure Improvements

Project Type: System Rehabilitation

Drainage Basin: South Platte, District 7

Water Source: Clear Creek

Total Project Cost: \$500,000

Funding Source: Construction Fund

Type of Borrower: Blended
(middle-income muni, high-income muni, commercial)

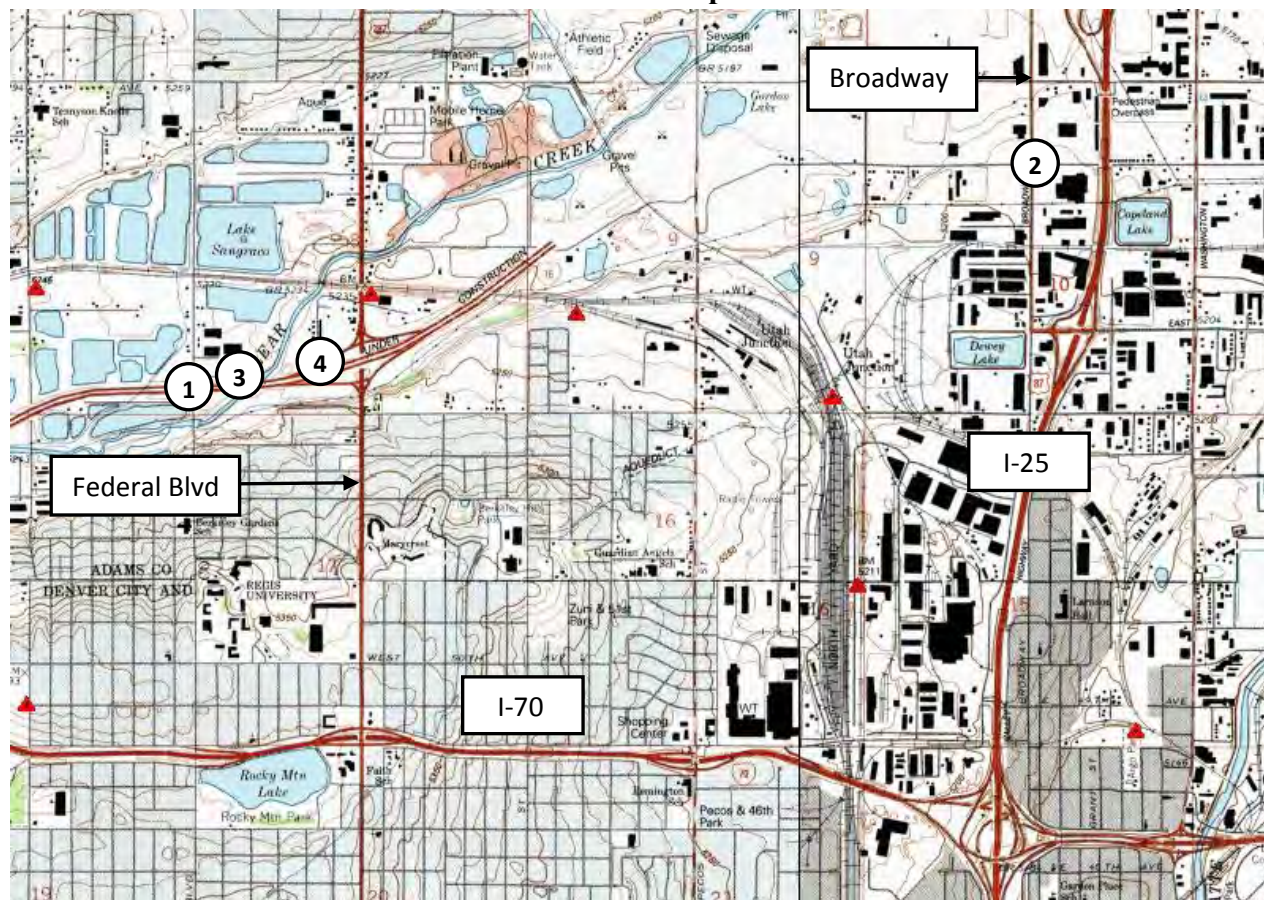
Avg. Annual Diversion: 7,623 AF

CWCB Loan: \$454,500 (w/ 1% service fee)

Interest Rate: 5.95% **Term:** 30 years

The Fisher Ditch Company (Company) utilizes the Fisher Ditch to supply water to its 28 shareholders for the purpose of irrigation, augmentation and industrial uses. The ditch has been in place for over 100 years and annual maintenance of its aging infrastructure is becoming a burden and inhibiting its ability to provide a reliable supply of water. The Company is requesting a loan from the CWCB for four system rehabilitation tasks: 1) headgate rehabilitation, 2) replacement of 650 LF of damaged CMP with RCP, 3) installation of a sand-out pipe and gate, and 4) burying 1,500 LF of open ditch with plastic irrigation pipe. This Project will restore reliable water deliveries while reducing annual maintenance costs.

Location Map



**CWCB Water Project Loan Program
Project Data Sheet**

C150359

Borrower: Town of Fowler, Water Enterprise

County: Otero

Project Name: Augmentation Pipeline Project

Project Type: Augmentation

Drainage Basin/ District: Arkansas / 17

Water Source: Arkansas River

Total Project Cost: \$305,000

Funding Source: Construction Fund

Type of Borrower: Municipal (Low)

Average Annual Diversion: 157 AF

CWCB Loan: \$277,245
(with 1% Service Fee)

Interest Rate: 2.25% **Term:** 30 years

The Town is located in Otero County along Highway 50, approximately 35 miles east of Pueblo. It has approximately 1,185 residents. The Town's water system service area includes the Town and adjacent areas within unincorporated Otero and Crowley Counties for a total of 709 taps. Per a water court mandate, the Town must separate its augmentation water from its stormwater. The purpose of this project is to construct a diversion box to separate stormwater from augmentation water and to pipe the augmentation water to the Arkansas River. Construction of the Project is scheduled for the fall of 2013 with completion expected to occur by the end of the year.



**CWCB Water Project Loan Program
Project Data Sheet**

Borrower: Town of Georgetown
(Water and Sewer Enterprise)

County: Clear Creek County

Project Name: Outlet Works Modification Project **Project Type:** Dam Rehabilitation

Drainage Basin/District: South Platte / 7

Water Source: Clear Creek

Total Project Cost: \$3,275,000

Funding Source: Construction Fund

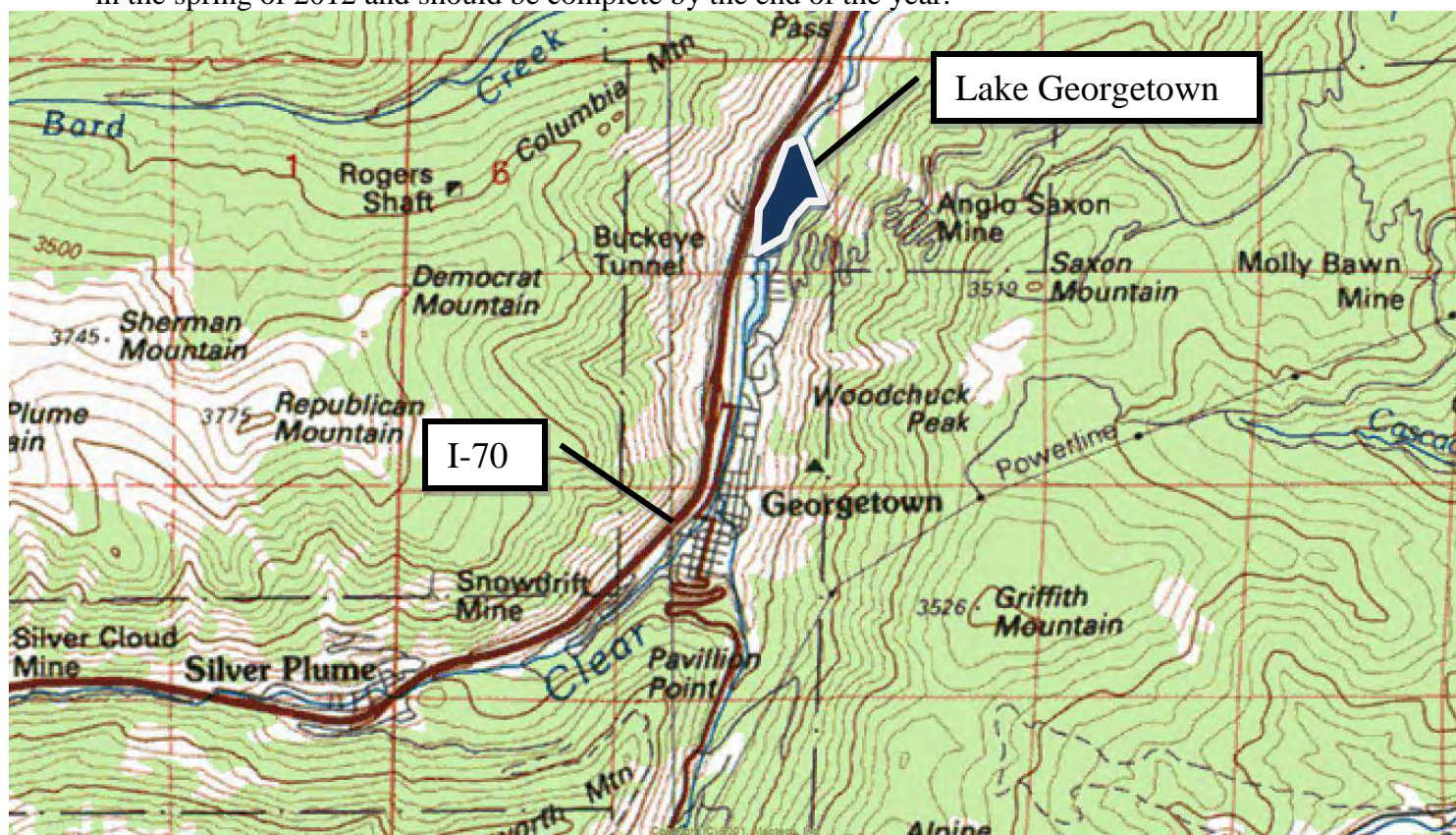
Type of Borrower: Middle-Income Municipal

Average Diversion: 208 AF

CWCB Loan: \$2,976,975 (w/ 1% service fee)

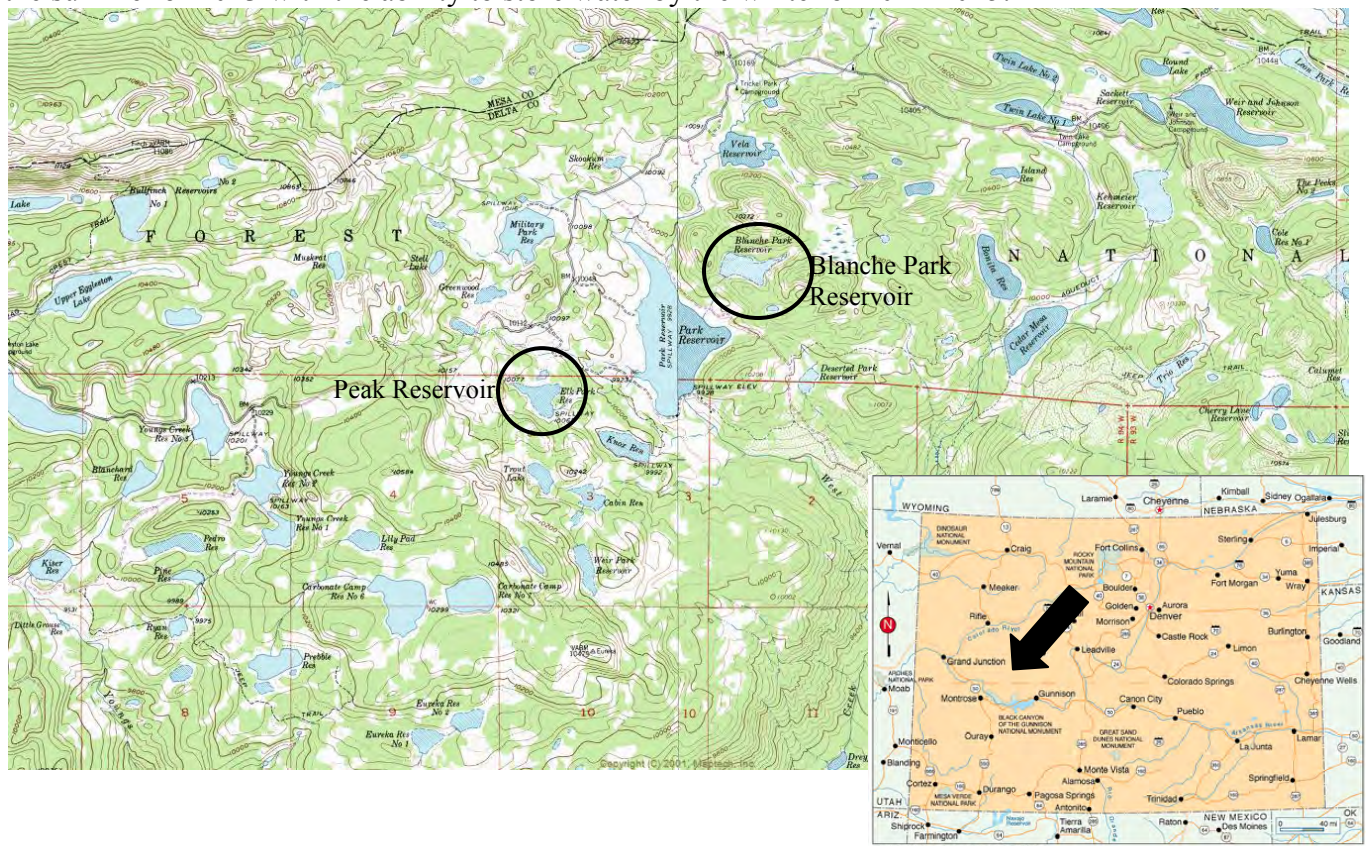
Interest Rate: 4.5% **Term:** 30 years

The Town of Georgetown is located on Clear Creek, along the I70 corridor, east of the continental divide. The Town needs to increase the outlet works capacity at Georgetown Lake Dam. The outlet works currently can release up to 260 cfs. In order to comply with an October 2010 court order regarding Georgetown Lake operations, up to 500 cfs must be released so the Town can meet the terms of its augmentation plan. The CWCB loan will be used to pay for the engineering costs and for the construction costs associated with the outlet works project. Construction is expected to begin in the spring of 2012 and should be complete by the end of the year.



**CWCB Water Project Loan Program
Project Data Sheet****Borrower:** Grand Mesa Water Conservancy
District**County:** Delta**Project Name:** Peak Reservoir and Blanche
Park Reservoir Rehabilitation**Project Type:** Reservoir Rehabilitation**Drainage Basin/ District:** Gunnison / 40**Water Source:** Surface Creek**Total Project Cost:** \$640,000**Funding Source:** Construction Fund/
WSRA Gunnison Basin Funds**Type of Borrower:** Municipal/Agricultural**Average Annual Diversion:** 400 AF
Storage Added: 155 AF**CWCB Loan:** \$227,250
(with 1% Service Fee)**Interest Rate:** 1.55%* **Term:** 20 years
(Reduced from 1.8% blended rate)

The Grand Mesa Water Conservancy District owns several reservoirs and a network of ditches to service agricultural users and municipal users including the Town of Orchard City and Cedaredge. It is requesting a loan to rehabilitate Peak Reservoir and Blanche Park. Both reservoirs are located in the Grand Mesa National Forest and have not been used in nearly 50 years. The District has already contributed \$352,500 towards Project costs and has also been awarded \$75,000 in Water Supply Reserve Account (WSRA) Gunnison Basin Roundtable grant funds. Peak Reservoir involves earthwork on the dam and new outlook works. Blanche Park reservoir work will be a complete rebuilding of the dam. Construction is expected to resume in the summer of 2013 with the ability to store water by the winter of 2014-2015.



Water Project Construction Loan Program - Project Data

Borrower: Greeley Irrigation Company	County: Weld
Project Name: Greeley Canal No. 3	Project Type: Ditch Rehabilitation
Drainage Basin: South Platte	Water Source: Cache La Poudre River
Total Project Cost: \$2,457,500	Funding Sources: CWCB, GIC
Type of Borrower: Agricultural/Municipal	Aver. Delivery: 18,000 acre-feet
CWCB Construction Fund Loan: \$2,233,867 (incl. 1% loan fee)	Interest Rate: 2.85% Term: 30 years

GIC provides irrigation water to a service area of 2,367 acres in Weld County, generally within the City of Greeley and east of the City. GIC operates the Greeley Canal No. 3, constructed in 1870 by the Union Colony. In 1875, the Union Colony deeded an undivided 3/8ths interest in the Canal to the then Town of Greeley. In 1882, the GIC was incorporated and the Union Colony quit-claimed its remaining 5/8ths interest in the Canal to GIC. About 1,100 acres of the 3,500 original irrigated acres have been subject to dry-up, and water converted to augmentation use. Present canal usage is roughly 1/3 City of Greeley, 1/3 agricultural irrigation, and 1/3 augmentation. GIC facilities consist of a river diversion structure, approximately 13 miles of earthen canal, check structures, delivery headgates, spill structures, trash screens, and other minor structures. A portion of these facilities are in need of repair, upgrades, or replacement. GIC diverts water from the Cache la Poudre River west of Greeley and the canal terminates east of approx. 12 miles downstream. Average annual headgate diversions are 18,678 acre-feet. GIC also receives about 1300-1400 acre feet annually from Fossil Creek Reservoir. Combined delivery from direct flow diversions and storage is about 18,000 AF. The GIC Board is undertaking a number of phased improvements to the canal including: 1) repairs to, and partial replacement of, the river diversion; 2) piping or lining of portions of the canal; 3) consideration of canal automation using supervisory control and data acquisition (SCADA) equipment; 4) tree removal and tree pruning; 5) canal realignment, reshaping, and straightening; and 6) removal or repair of selected headgates and installation of new headgates. This is the first step of a phased canal modernization, that would have the effect of improving overall canal operations and operational efficiency; increasing consistency of shareholder headgate deliveries; decreasing operational liabilities; and reducing unnecessary operational spills.



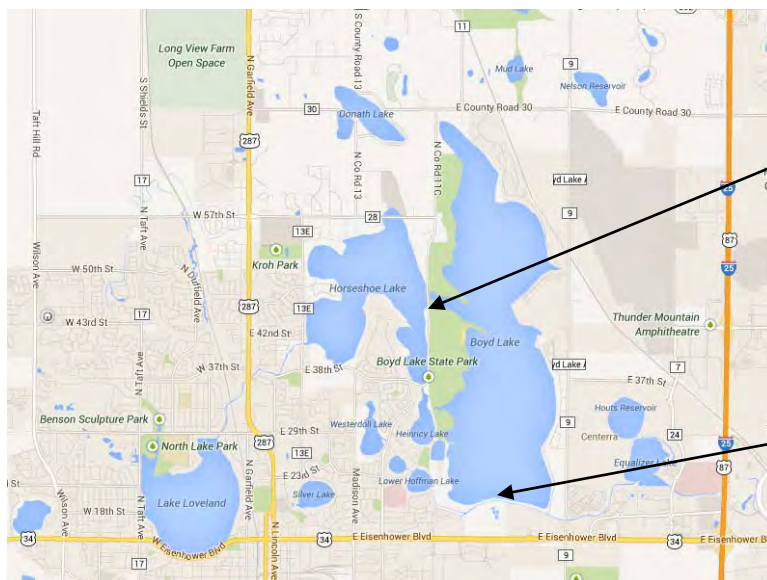
**CWCB Water Project Loan Program
Project Data Sheet**

C150362**Borrower:** Greeley and Loveland Irrigation Company**County:** Larimer**Project Name:** Irrigation System Improvements**Project Type:** Reservoir Rehabilitation**Drainage Basin/ District:** South Platte / 4**Water Source:** Big Thompson River**Total Project Cost:** \$3,470,000**Funding Source:** Construction Fund**Type of Borrower:** Agricultural**Average Annual Diversion:** 45,000 AF**CWCB Loan:** \$3,154,230
(with 1% service fee)**Interest Rate:** 2.15% **Term:** 30-years
(34% Ag, 53% Low, 12% Mid, <1% High, <1% Com)

The Greeley and Loveland Irrigation Company (Company) is a mutual ditch company established in 1900. Together with the Seven Lakes Reservoir Company (Seven Lakes), they own and operate nine reservoirs, and control the Greeley and Loveland Canal.

Boyd Lake, owned by the Company, is the largest reservoir in the irrigation system and has a surface area of 1,750 acres with a storage capacity of 4,874 acre-feet. The Boyd Lake project will replace the high-level reservoir inlet and outlet from the Greeley and Loveland Irrigation Canal so that the Company can discharge water into Boyd Lake for storage during low reservoir levels, or discharge water back into the canal for deliveries during high reservoir levels.

Horseshoe Lake, owned by Seven Lakes, has a surface area of 650 acres and a storage capacity of 8,051 acre-feet. The Horseshoe Lake project will be used to increase the conveyance capability from Horseshoe Lake into Boyd Lake to 1,100 cfs, at higher reservoir levels, so the Company and Seven Lakes can more efficiently provide irrigation water to shareholders.



Existing Horseshoe Lake High-Level Outlet



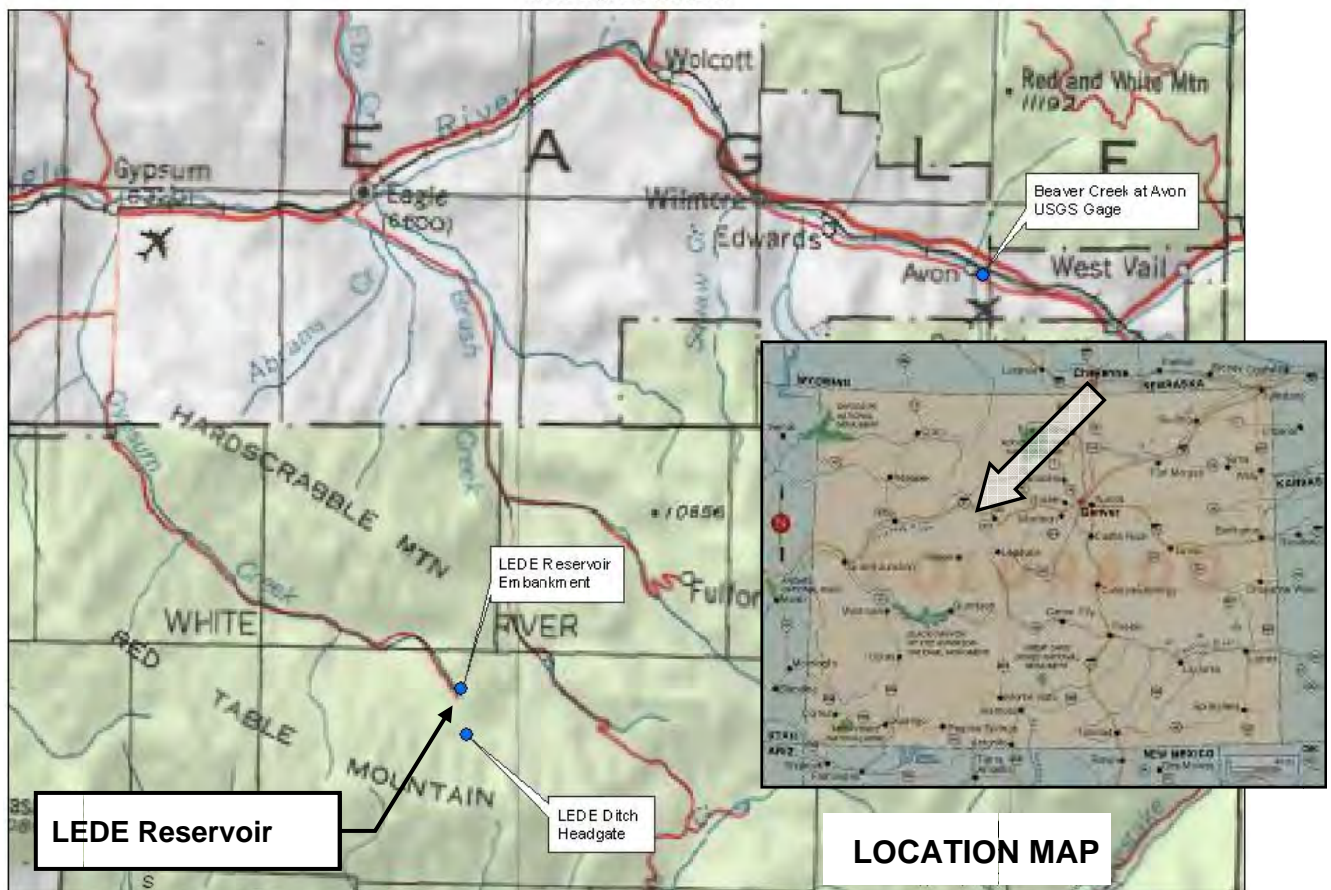
Existing Boyd Lake High-Level Outlet

CWCB Construction Loan Program Project Data Sheet

Borrower: Town of Gypsum**County:** Eagle**Project Name:** LEDE Ditch & Reservoir
Upgrade Project**Project Type:** Reservoir Rehabilitation**Drainage Basin:** Colorado River**Water Source:** Gypsum Creek**Total Project Cost:** \$3,162,000**Funding Sources:** Construction Fund**Type of Borrower:** High Income Municipal**Average Delivery:** 1,200 AF**New Storage:** 254 AF**Loan Amount:** \$2,689,731 (Including 1% fee)**Interest Rate:** 4.5% **Term:** 30 years

The Town of Gypsum purchased the LEDE Ditch and LEDE Reservoir water rights in 2006. The original water rights are decreed for irrigation uses, and provide storage for up to 947 AF in the reservoir. The Reservoir was built to a capacity of 431 AF. The Town seeks to increase capacity to 685 AF in order to accommodate continued agricultural irrigation, and for future water supplies to the Town. This upstream storage is required to assist in managing Gypsum Creek water rights calls and dry year operations. The reservoir storage will become even more important as the Town's population continues to increase. The Town wishes to repair and improve the reservoir to utilize its potential, and to protect valuable senior storage rights in the reservoir. The reservoir is located in the headwaters of Gypsum Creek, south of Gypsum within the White River National Forest. Design and permitting is expected to occur in 2009/2010 with pipeline construction starting in late 2009 and dam construction starting in 2011.

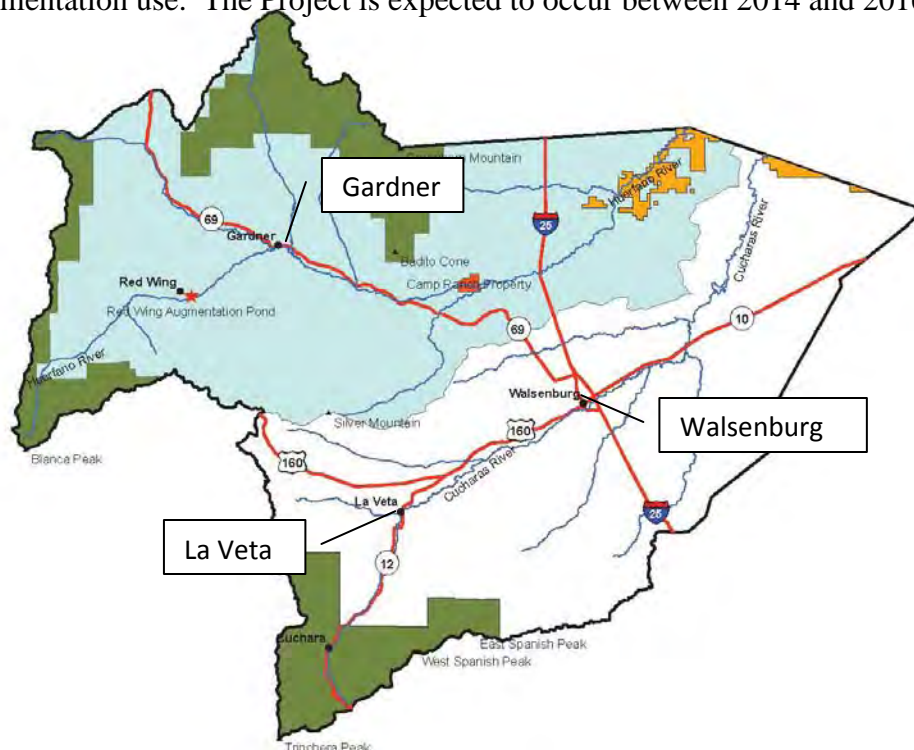
General Locations



**Water Project Loan Program
Project Data Sheet**

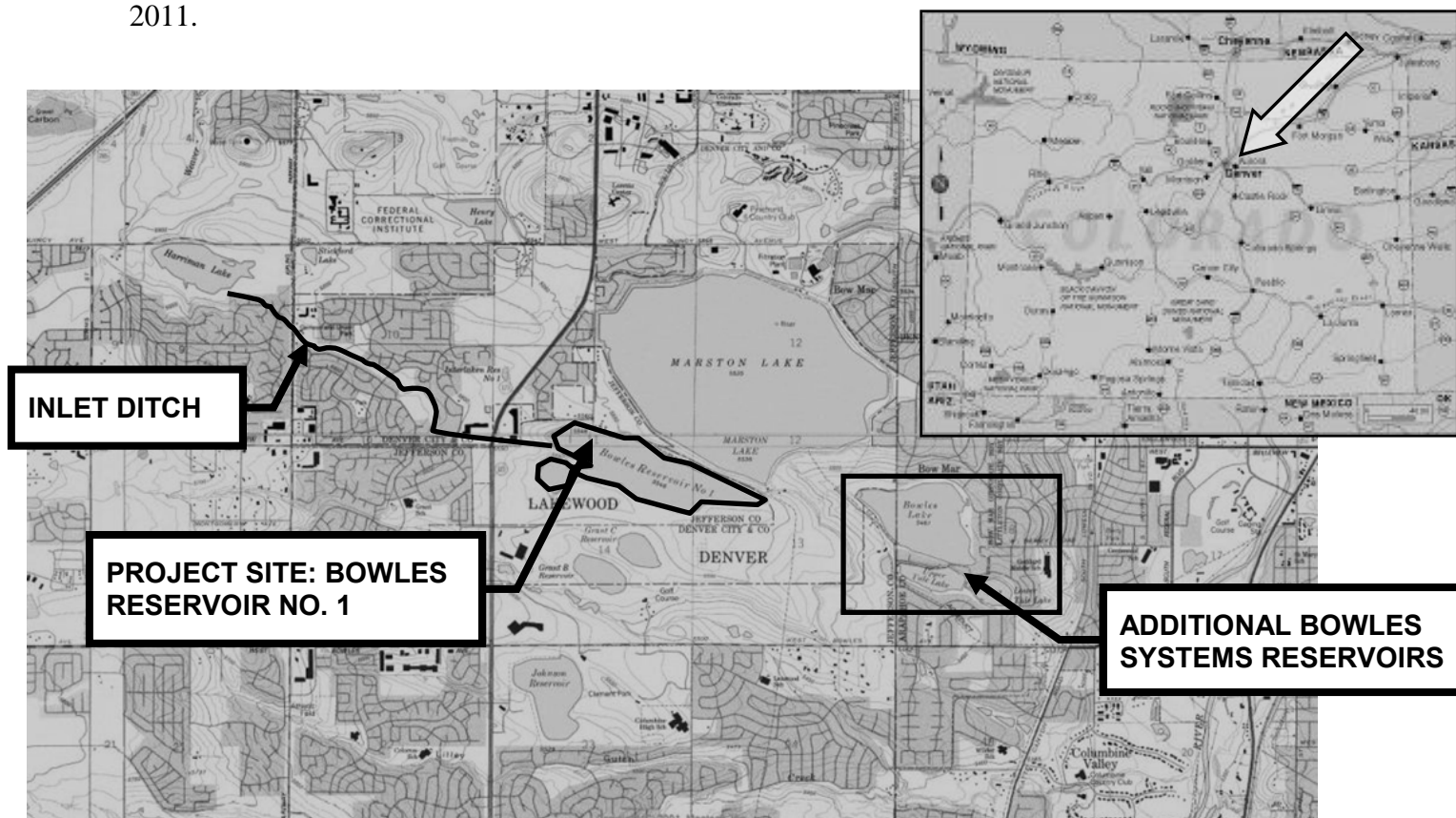
Borrower:	Huerfano County Water Conservancy District	County:	Huerfano		
Project Name:	Regional Augmentation Project	Project Type:	Water Rights Acquisition and Augmentation		
Drainage Basin:	Arkansas / District 67	Water Source:	Huerfano River		
Total Project Cost:	\$3,050,000	Funding Source:	Construction Fund		
Type of Borrower:	Low-Income Municipal	Avg. Annual Diversions:	19.5 AF		
CWCB Loan:	\$2,222,000 (w/ 1% service fee)	Interest Rate:	2.25%	Term:	30 years

The Huerfano County Water Conservancy District is applying for a CWCB loan to develop a regional augmentation program to replace depletions of wells in unincorporated communities in Huerfano County through a regional augmentation program. Within Huerfano County there are many water users that are at risk of being curtailed due either to being out of priority or due to failing (or failed) augmentation plans. The users include schools and domestic, commercial, and agricultural users. The District has utilized a Substitute Water Supply Plan and Regional Rule 14 Replacement Plan from 2009 to 2013 to provide augmentation water to five entities that were in danger of having water use curtailed due to out of priority usage. The District believes that other water users will find it necessary to join the regional augmentation plan and the Division Engineer has indicated an urgent need for such a plan. Project components include: the purchase of land and water rights, the construction of a recharge reservoir, and the construction of a reservoir for augmentation use. The Project is expected to occur between 2014 and 2016.



**CWCB Construction Loan Program
Project Data Sheet****Borrower:** Joseph W. Bowles Reservoir Company **County:** Jefferson**Project Name:** Bowles Reservoir No. 1 Dam Rehab **Project Type:** Reservoir Rehabilitation**Drainage Basin:** South Platte**Water Source:** Bear Creek**Total Project Cost:** \$1,874,000**Funding Sources:** Construction Fund**Type of Borrower:** Blended Ag & Municipal
& Commercial**Average Delivery:** 900 AF**Loan Amount:** \$1,703,870 (Including 1% fee)**Interest Rate:** 4.65%**Term:** 30 years

The Joseph W. Bowles Reservoir Company (Company) owns and operates Bowles No. 1 Reservoir, located in the southwest metropolitan area of Denver. The Company was formed in 1906 and currently has 50 shareholders who use the water for golf courses, parks, open space, and some individual ranches for irrigation water. The Company is applying for a loan to implement several repairs to correct dam-safety deficiencies and improve the long-term performance of Bowles No. 1 Dam and to rehabilitate the deteriorating reservoir inlet ditch. The dam rehabilitation includes widening the crest, reconstructing the upstream slope, and installing a seepage collection and toe drain system on the downstream slope. Work on the inlet ditch includes removing trees, reconstructing the ditch cross section and alignment, placing slope protection in high erosion areas, and installing a flow control pipe that will provide for discharge of excessive ditch flows into an existing spillway and drainage structure. The Company plans on submitting the final design to the SEO by February 2010 and beginning construction in August 2010 with completion by February 2011.

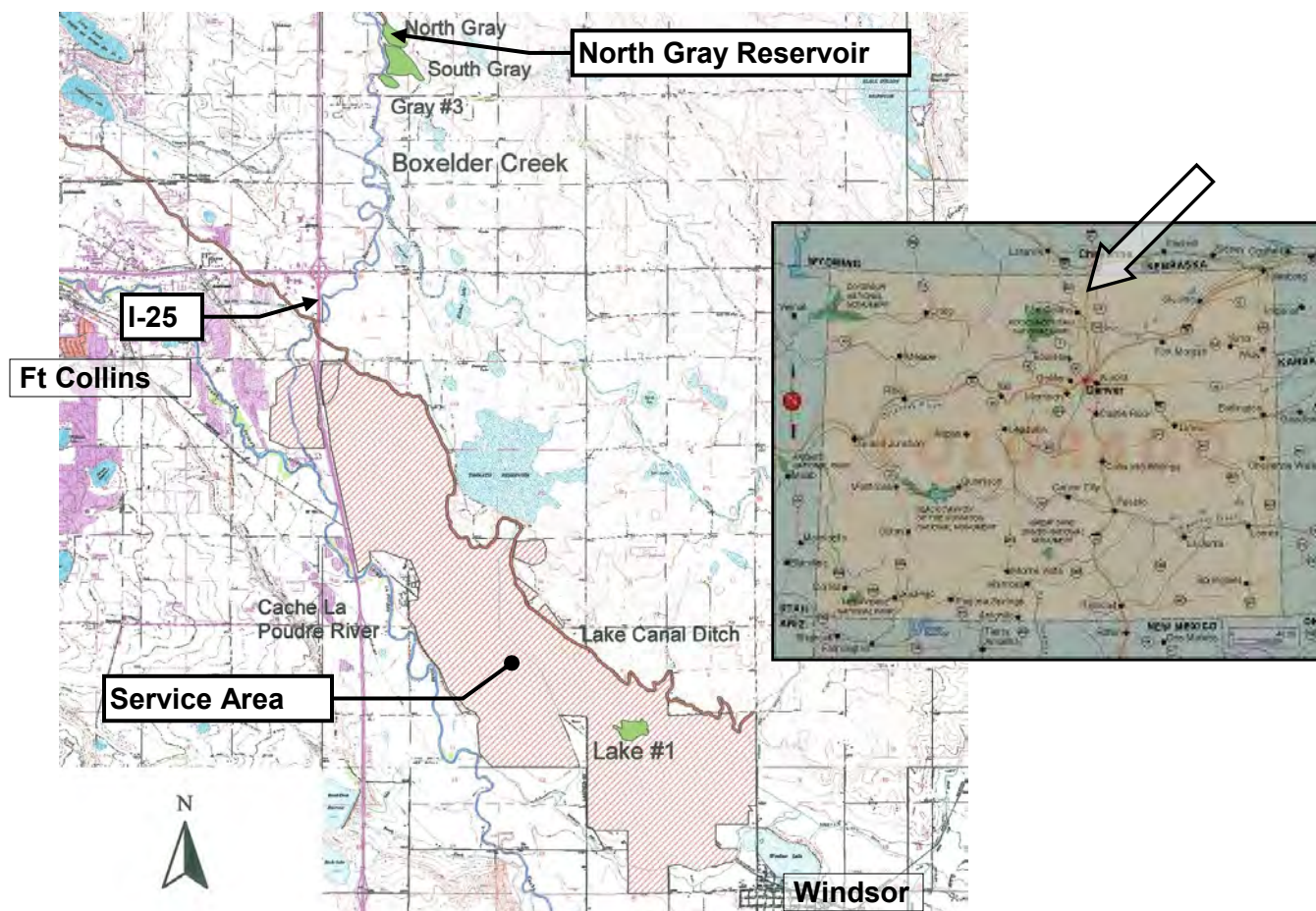


CWCB Construction Loan Program Project Data Sheet

Borrower: Lake Canal Reservoir Company**County:** Larimer and Weld**Project Name:** North Gray Reservoir
Rehabilitation**Project Type:** Reservoir Rehabilitation**Drainage Basin:** South Platte River**Water Source:** Box Elder Creek**Total Project Cost:** \$128,300**Funding Sources:** Construction Fund**Type of Borrower:** Blended Agricultural
Municipal & Commercial**Details:** 333 AF Stored
75 AF Recovered**Loan Amount:** \$116,625 (Including 1% fee)**Interest Rate:** 2.10% **Term:** 30 years

The Lake Canal Reservoir Company is requesting a CWCB loan to construct a new spillway on North Gray Reservoir. The reservoir is currently under a storage restriction by the Office of the State Engineer (SEO). The existing spillway is a corrugated metal pipe that has corroded through. The existing pipe will be removed and the area will be backfilled. A new concrete cutoff wall and riprap lined channel will be constructed to replace the old spillway. Project design and SEO review is expected to be completed by July 2012. Construction is planned for September through November of 2012.

Note: Because this reservoir is on the SEO's restricted reservoir list and the Company is predominately owned by agricultural interests, this loan qualifies for a 1.0% interest rate reduction. The blended rate of 3.10% was reduced to 2.10%.



**CWCB Water Project Loan Program
Project Data Sheet**

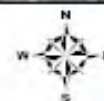
Borrower: Lake Durango Water Authority**County:** La Plata**Project Name:** Source Water Supply Project**Project Type:** Water Rights
Purchase/Infrastructure**Drainage Basin:** San Juan / Dolores**Water Source:** ALP**Total Project Cost:** \$3,000,000**Funding Source:** Construction Fund and
WSRA Statewide Funds**Type of Borrower:** Low-income Municipal**Average Delivery:** 309 AF**CWCB Loan:** \$2,525,000 (w/ 1% service fee)**Interest Rate:** 4.0% **Term:** 30 years**WSRA Statewide Grant:** ~~\$500,000~~ **\$450,000**

The Lake Durango Water Authority serves 1,435 taps in southwest La Plata County. A safe yield analysis has indicated that the Authority can only supply water to 792 taps in a drought year. This was an issue in the 2002-2003 drought, so the Authority is seeking additional supply and storage to safely serve its customers. The Authority is planning on purchasing 100 AF of A-LP water from the Colorado Water Resources and Power Development Authority, constructing a pump station at Lake Nighthorse, building an access road, and installing a pipeline to bring water from Lake Nighthorse to Lake Durango (where the Authority currently stores the majority of its water).



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Miles

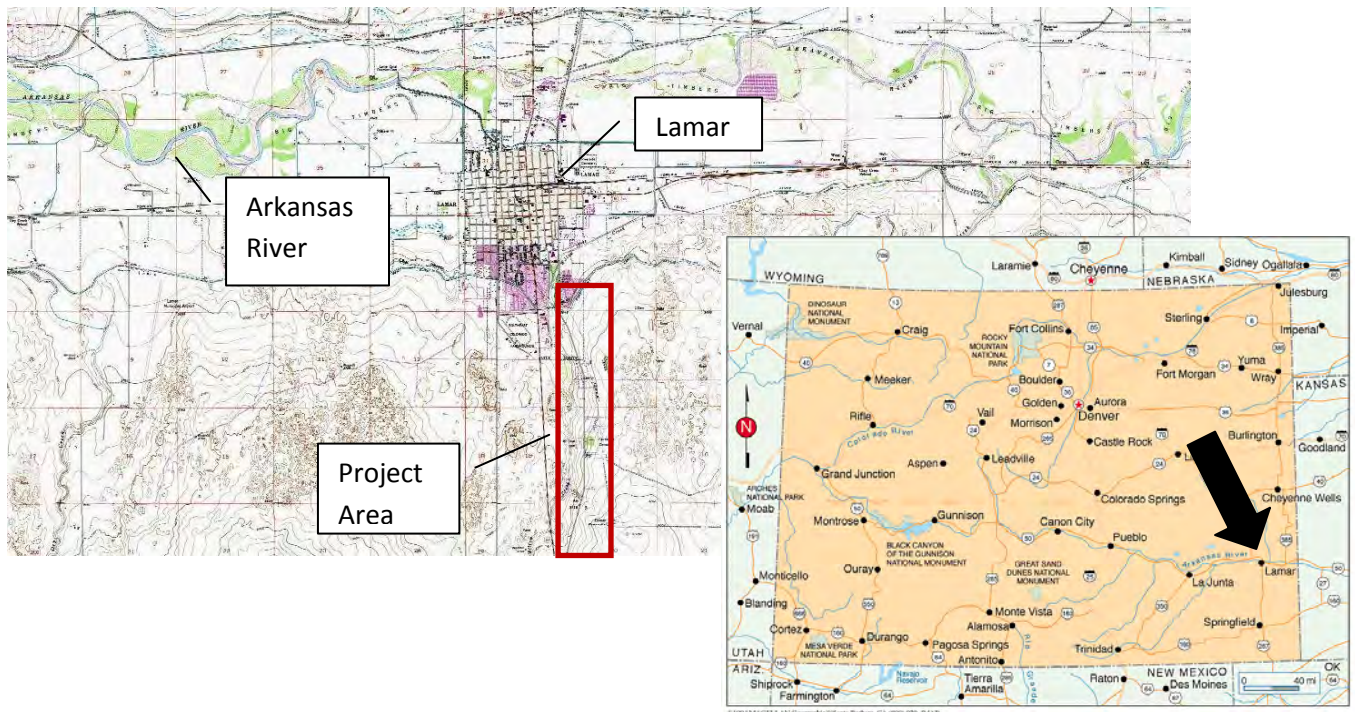
2009 NAIP aerial imagery provided by
the US Farm Service Agency



Water Project Loan Program Project Data Sheet

Borrower:	City of Lamar, Water Activity Enterprise	County:	Prowers
Project Name:	Raw Water Transmission Line Replacement Project	Project Type:	Pipeline Construction
Drainage Basin:	Arkansas / District 67	Water Source:	Groundwater
Total Project Cost:	\$1,970,000	Funding Source:	Construction Fund, Water Supply Reserve Account Grants, and Department of Local Affairs Grant
Type of Borrower:	Low-Income Municipal	Avg. Annual Delivery:	2,005 AF
CWCB Loan:	\$792,850 (w/ 1% service fee)	Interest Rate:	2.25%
		Term:	30 years

The City, located in Prowers County in southeastern Colorado, provides water service to a population of approximately 7,800 people. The water supply comes from 29 active wells. The transmission line from the highest quality water producing wells was constructed of cast iron in 1933 as a part of the Works Projects Administration. Recent testing of the line showed high amounts of scale build-up, pin-hole leaks, and pressure drops. It is estimated that between 378 to 662 acre-feet of water will be saved annually once a new transmission line is installed. In June of 2013, the City was approved for a \$200,000 grant by the Arkansas Basin Roundtable from the Water Supply Reserve Account (\$50,000 from the Arkansas Basin Account and \$150,000 from the Statewide Account). In July of 2013, it was also awarded a \$985,000 grant from the Department of Local Affairs (DOLA) Energy/Mineral Impact Assistance Fund. Construction is expected to occur in early to mid 2014.



Water Project Loan Program - Project Data**Borrower:** Left Hand Ditch Company**County:** Boulder**Project Name:** Allen Lake and Lake
Isabelle Repair Project**Project Type:** Dam Rehabilitation**Drainage Basin:** South Platte, District 5**Water Source:** Left Hand and St. Vrain Creek**Total Project Cost:** \$1,273,000**Funding Source:** Construction Fund**Type of Borrower:** Blended
(46% ag, 38% mid-muni, 16% high-muni)**Avg. Annual Delivery:** 22,700 AF**CWCB Loan:** \$1,157,157 (incl. 1% loan fee)**Interest Rate:** 2.45% **Term:** 30 years

The Company diverts water from Left Hand and St. Vrain creeks to provide irrigation water for a 15,000-acre service area in Boulder County. The water delivery system includes an elaborate network of ditches, laterals, reservoirs and headgates. Two of the Company's five reservoirs, Lake Isabelle and Allen Lake, are in need of repair. Lake Isabelle lies within the Indian Peaks Wilderness which is operated by the Forest Service. The outlet works are deteriorated and unreliable. This project will reconstruct the outlet works while placing the control valve at a more accessible location. The second reservoir, Allen Lake, is located just north of Boulder and west of Highway 36. Its dam was constructed at a 2:1 slope, and is even greater in various locations due to years of wave action displacing rip-rap and eroding the dam face. This project will flatten out the slope and re-armor it with rock rip-rap.

LOCATION MAP

**Water Project Loan Program
Project Data Sheet**

Attachment 6
C150361

Borrower:	Lone Cabin Ditch and Reservoir Company	County:	Delta
Project Name:	Lone Cabin Dam Rehabilitation Project	Project Type:	Dam Rehabilitation
Drainage Basin:	Gunnison / District 40	Water Source:	Minnesota Creek
Total Project Cost:	\$334,300	Funding Source:	Construction Fund, WSRG Grant
Type of Borrower:	Agricultural	Avg. Annual Diversion:	950 AF
CWCB Loan:	\$252,800 (inc. 1% Service Fee)	Interest Rate:	1.75% Term: 30yr

The Company provides irrigation water storage for 18 farms located on Lamborn Mesa approximately 5 miles southeast of Paonia, CO. The reservoir has a storage capacity of 163 acre-feet; however it is currently restricted by the State Engineer's Office to a storage level 20-feet below the dam crest due to slumping of the downstream face of the dam. The Company hired Buckhorn Geotech to investigate the slump.



Water Project Construction Loan Program-Project Data

Borrower: Mancos Water Conservancy District

Project Name: Mancos Project

Project Type: System Rehabilitation

County: Montezuma **Drainage Basin:** San Juan **Water Source:** West Mancos River

Total Project Cost: \$6,619,550

Funding Sources: Borrower and CWCB

Type of Borrower: Agricultural/Municipal

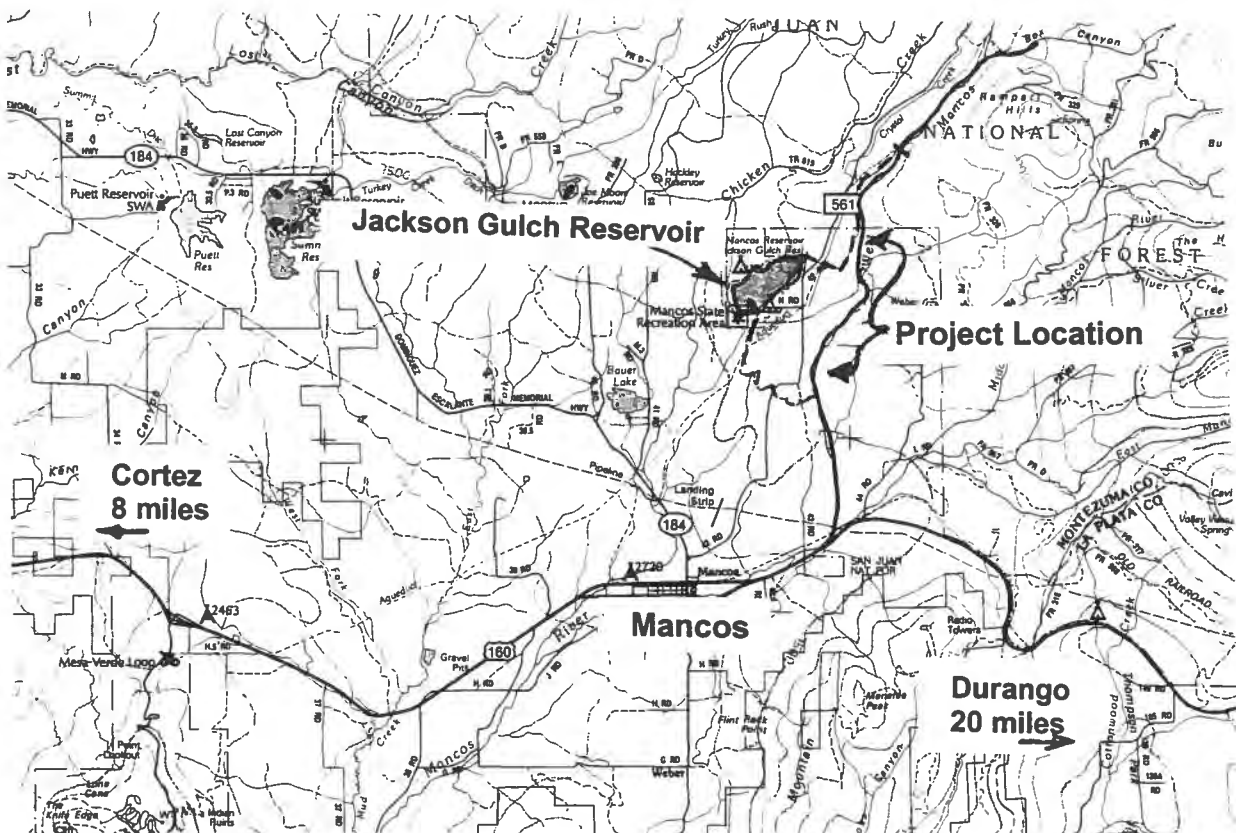
Median Household Income: Low

CWCB Loan: \$5,486,531

Interest Rate: 2.8% **Term:** 30 years

Annual Volume of Water delivered: 9,000 acre-feet

The Mancos Water Conservancy District is located in Montezuma county and supplies supplemental and full service irrigation water to a 13,496-acre service area. District facilities were constructed over 50 years ago, and are in need of rehabilitation. The Mancos Water Conservancy District was formed in 1941 under the Water Conservancy Act of 1937. It has the power to acquire water rights, construct and operate facilities, levy taxes, and issue debt subject to the provisions of TABOR. The District has completed the feasibility study. Project funding will come from a \$5,486,531 loan from the CWCB, and the remainder from the District.



Location Map

**CWCB Water Project Loan Program
Project Data Sheet**

Attachment 6
C150334

Borrower: The McDonald Ditch Company

County: Rio Grande

Project Name: McDonald Ditch Diversion
and Headgate Replacement Project

Project Type: Ditch Rehabilitation

Drainage Basin/ District: Rio Grande / 20

Water Source: Rio Grande River

Total Project Cost: \$1,085,200

Funding Source: Construction Fund

Type of Borrower: Agricultural

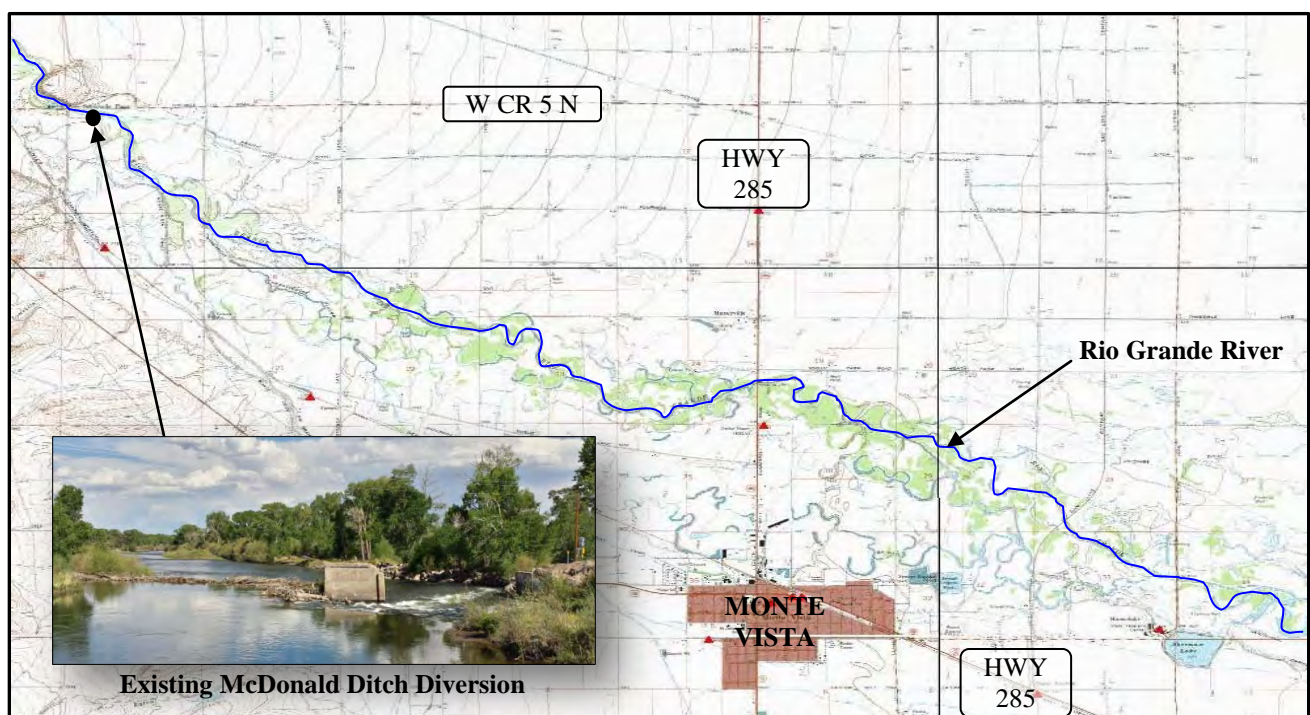
Average Annual Diversion: 45,000 AF

CWCB Loan: \$101,000
(with 1% service fee)

Interest Rate: 2.50% **Term:** 30-years

The McDonald Ditch Company is a Mutual Ditch Company formed in 1921. Their diversion structure and headgate were poorly designed and are rapidly deteriorating, presenting a growing maintenance burden for the Company. Both the diversion and headgate were highlighted as rehabilitation priorities in a 2001 study titled "Rio Grande Headwaters Restoration Project (RGHRP)." The study analyzed the condition of riparian habitats and structures along a 91-mile reach of the Rio Grande from the town of South Fork to Alamosa and triggered a more localized effort known as the Plaza Project. Phase 2 of the Plaza Project includes the final engineering design and construction of a new diversion and headgate for the McDonald Ditch Company.

A loan to the McDonald Ditch Company was approved for this Project in May 2012 in the amount of \$70,700. During the final engineering design of the McDonald Ditch diversion structure, analysis showed that the chosen design of the diversion structure at the existing location would cause flooding in the local community including the upstream bridge of W CR 5 N (Sevenmile Plaza Bridge). The solution is to relocate the diversion structure and headgate just upstream of the bridge and has increased Project cost. This loan increase request of \$30,300 is sought to cover the Company's portion of the Project cost increase.



**CWCB Water Project Loan Program
Project Data Sheet**

Borrower: Missouri Heights - Mountain Meadows
Irrigation Company

Project Name: Irrigation Ditch Lining Project

Project Type: Ditch Rehabilitation

Drainage Basin: Colorado

Water Source: Roaring Fork

Total Project Cost: \$550,000

CWCB Funding Source: Construction Fund

Type of Borrower: Agricultural/High Income

Average Annual Diversion: 4,480 AF

CWCB Loan: \$454,500 (w/ 1% service fee)

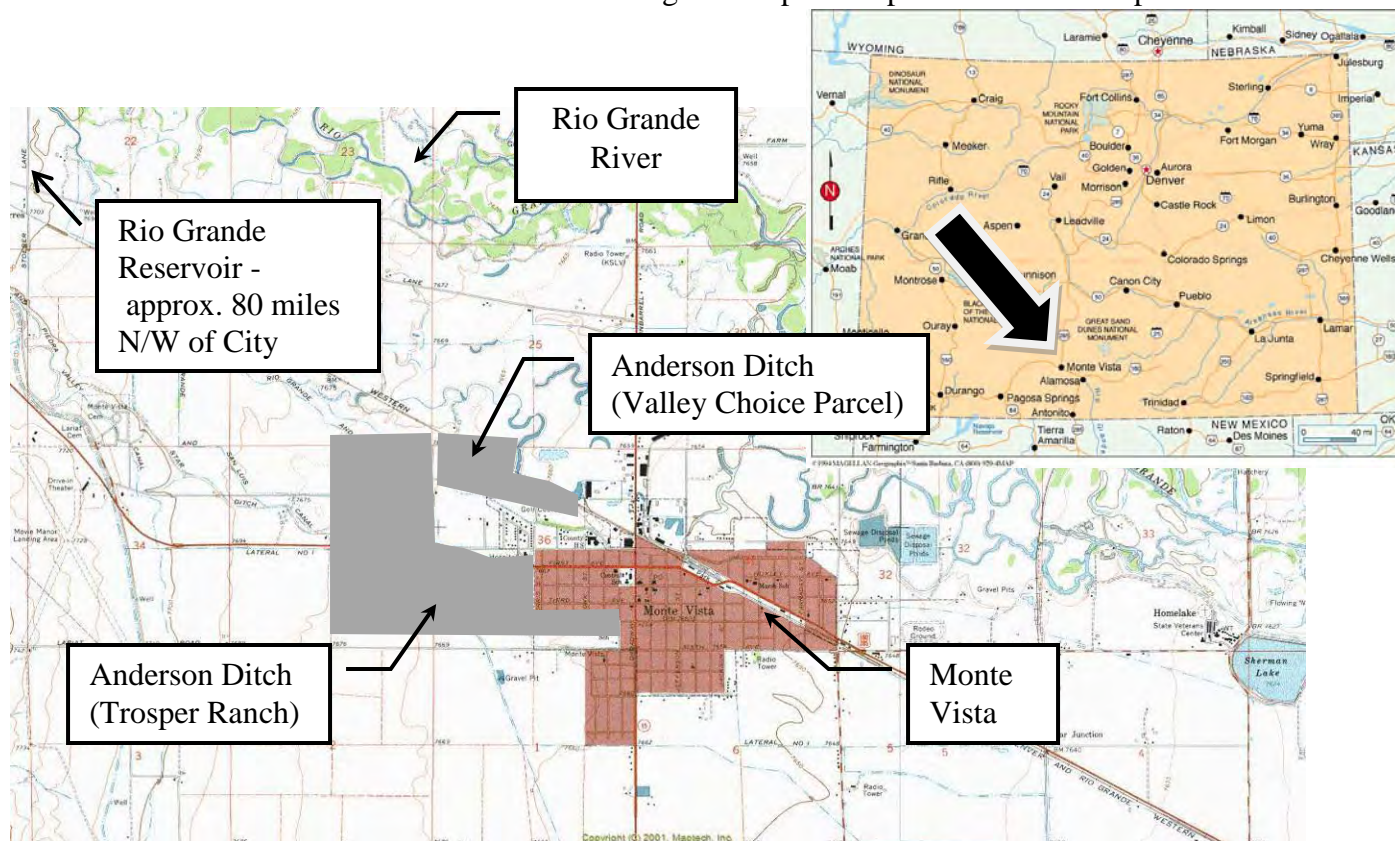
Interest Rate: 2.2% Blended **Term:** 30yr

Missouri Height Mountain Meadows Irrigation Company provides irrigation water to approximately 1,500 acres of ranch land located 12 miles northeast of Carbondale. The Company worked with the Natural Resources Conservatio service (NRCS) to evaluate losses within its ditch. A one-mile section has been identified as an area of high seepage, with losses estimated at 30%. The NRCS is providing technical design assistance. The Company has applied for grant funding from additional sources. Construction is anticipated to occur in the fall of 2013.



Water Project Loan Program - Project Data**Borrower:** City of Monte Vista
(Water Activity Enterprise)**County:** Rio Grande**Project Name:** Augmentation Water Rights
Acquisition**Project Type:** Water Rights Purchase**Drainage Basin:** Rio Grande**Water Source:** Rio Grande River**Total Project Cost:** \$1,863,500**Funding Source:** Construction Fund**Type of Borrower:** Low-Income Municipal**Aver. Demand:** 1,212 AF/year**CWCB Loan:** \$1,693,770 (incl. 1% loan fee)**Interest Rate:** 4.0% **Term:** 30 years

The City of Monte Vista, by and through its water activity enterprise, provides water to 4,300 residents in the San Luis Valley. The City's water system consists of five wells in a confined aquifer and three wells in an unconfined aquifer. Upcoming rules from the Office of the State Engineer will require water users in the San Luis Valley to replace depletions from pumping of wells in both the confined and unconfined aquifers tributary to the Rio Grande River. The water rights currently owned by the City are insufficient to fully replace the City's depletions. The City needs an additional 321 AF of replacement water. In order to meet this need, the City is purchasing Anderson Ditch water rights and storage in the Rio Grande Reservoir to store both the excess credits from the water it is purchasing and to store additional water it intends on leasing. Upon loan approval, the City plans on executing purchase agreements with the sellers of the Anderson Ditch rights and will then file in water court to enable the use of those rights to replace depletions as soon as possible.



Location Map

**CWCB Water Project Loan Program
Project Data Sheet**

Attachment 6
C150378

Borrower: North Poudre Irrigation Company

County: Larimer

Project Name: Reservoir No. 4 Rehabilitation

Project Type: Reservoir Rehabilitation

Drainage Basin/ District: South Platte / 3

Water Source: Cache la Poudre

Total Project Cost: \$1,800,000

Funding Source: Construction Fund

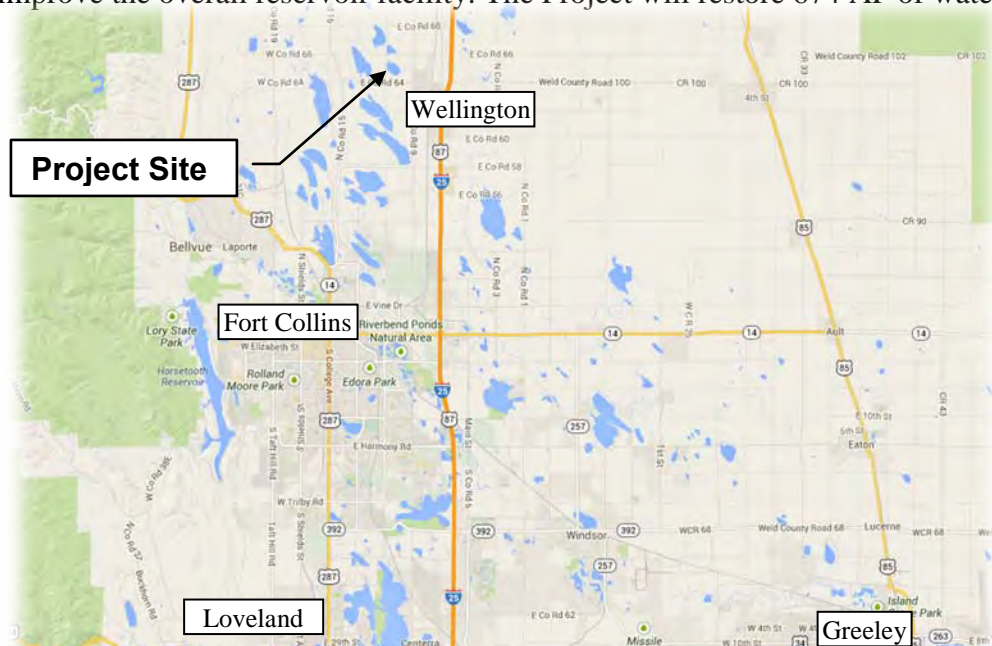
Type of Borrower: Blended

Average Annual Diversion: 44,400 AF

CWCB Loan: \$1,636,200
(with 1% service fee)

Interest Rate: 2.35% **Term:** 30-years
(37% Ag, 1% Low, 57% Mid, 4% High, <1% Com)

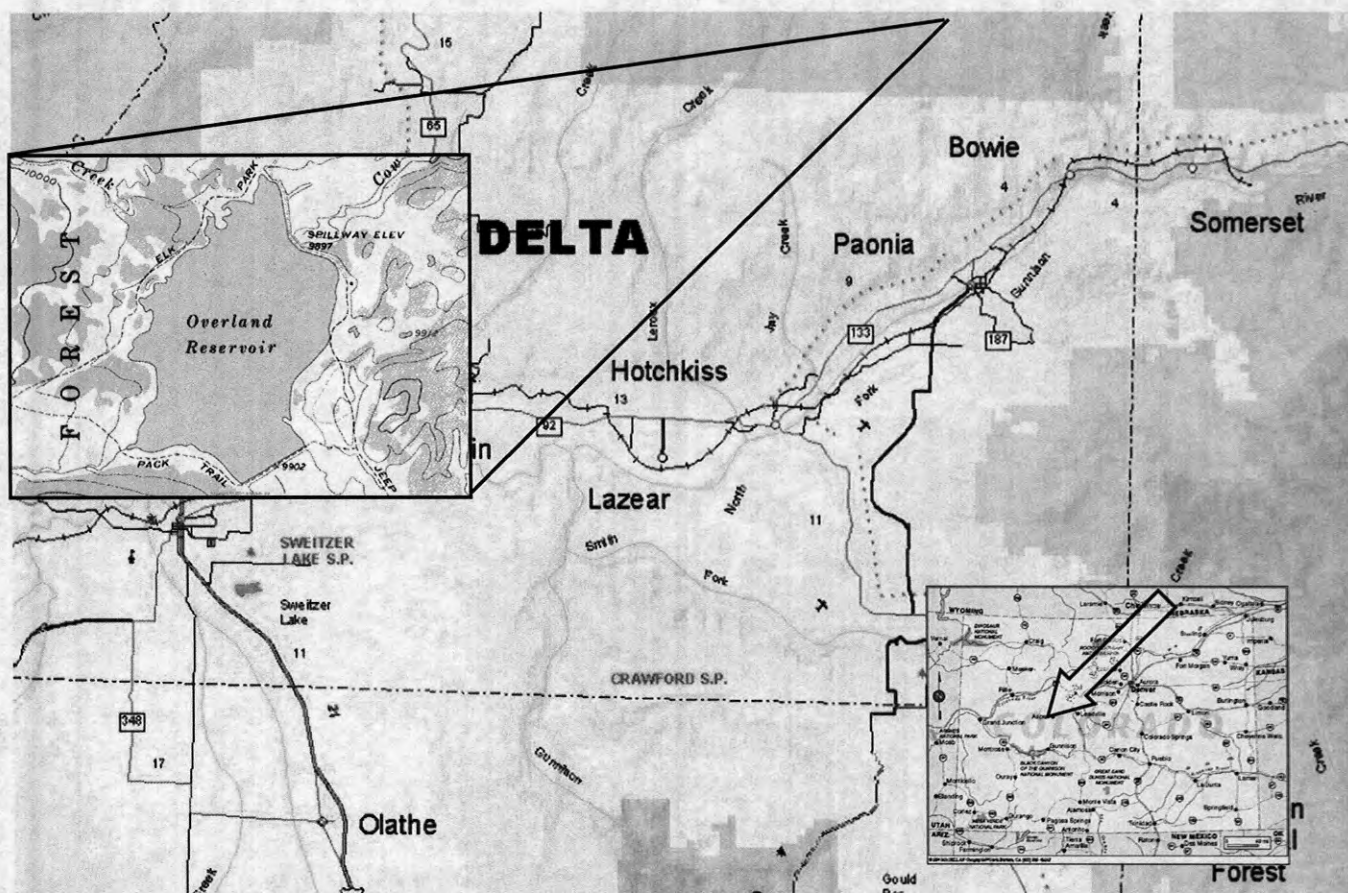
The North Poudre Irrigation Company is a mutual ditch company established in 1901. The Company's office is located in Wellington with a service area of approximately 28,000 irrigated acres of farm land. Reservoir No. 4 is an off stream reservoir constructed in the late 1880s, enlarged in the 1920s, and had the outlet works replaced in the late 1950s. The Reservoir No. 4 Rehabilitation Project will modify the dam including its slope, outlet works, drains, spillway, and measurement structure and will also provide a new parking area and floodplain improvements. The purpose of the project is to lift the State Engineer's storage restriction on the reservoir and dam and improve the overall reservoir facility. The Project will restore 674 AF of water storage.



CWCB Construction Loan Program Project Data Sheet

Borrower: Overland Ditch and Reservoir Co.	County: Delta
Project Name: Overland Reservoir Enlargement	Project Type: Reservoir Enlargement
Drainage Basin: Gunnison River Basin	Water Source: Cow Creek
Total Project Cost: \$1,255,555	Funding Sources: CWCB & Local Bank
Type of Borrower: Agricultural	Average Delivery: 17,000 acre-feet
Loan Amount: \$1,130,000	Interest Rate: 2.5% Term: 30 years

The Overland Reservoir Company is a non-profit mutual ditch company established in the State of Colorado in 1895. The Company owns and operates the Overland Reservoir for the 120 shareholders and delivers an average of 17,000 AF of irrigation water annually. The Reservoir is located in Delta County in the Gunnison National Forest at an elevation of 10,000 feet. The Reservoir has a current storage capacity of 6,200 AF and will be increased to 7,171 AF with this project. The reservoir was built in 1905 and required significant repair work in 1987 by the Company with financial assistance from CWCB and the Bureau of Reclamation. This project consists of raising the spillway elevation by 3.8 feet, installing toe drains, increasing the dam crest width and adding necessary embankment protection. Construction is scheduled to begin in the summer of 2007.



LOCATION MAP

Owl Creek Reservoir Company
November 20, 2001

Agenda Item 22E

WATER PROJECT CONSTRUCTION LOAN PROGRAM-PROJECT DATA

Borrower: Owl Creek Reservoir Company/J. Gale and Valerie A. Moody

Project Name: Owl Creek Reservoir Project **Project Type:** Rehabilitation

Drainage Basin: Owl Creek Tributary **County:** Larimer **Water Source:** Owl Creek

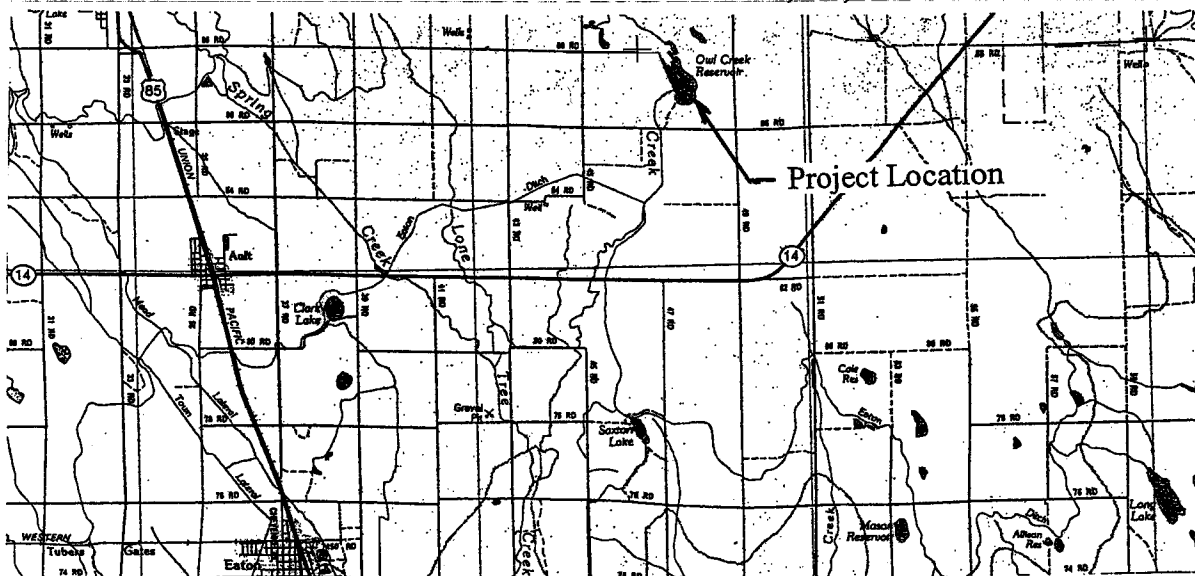
Total Project Cost: \$1,250,000 **Funding Source:** CWCB

Type of Borrower: Agricultural **Median Household Income:** N/A

CWCB Construction Fund Loan: \$1,125,000 **Interest Rate:** 3.25%

Term: 30-years **CWCB Grant:** \$0 **Reservoir Volume:** 1,200 acre-feet

Owl Creek Reservoir is land located in Weld County, Colorado, approximately 6 miles east and 3 miles north of the Town of Ault. The reservoir was originally constructed in 1896 to store water for irrigation. The dam was constructed of a granular material, that over the years suffered structural damage due to seepage. In 1983 sand boils appeared along the toe of the dam giving evidence that piping was occurring along the dam embankment. Given the condition of the dam embankment and the potential for failure, the dam was intentionally breached in 1983. The proposed project involves rehabilitating the existing facility to meet the State of Colorado's "Rules and Regulations for Dam Safety and Dam Construction", therefore permitting the storage of approximately 1,200 acre-feet of water. The Applegate Group, Inc., has completed preliminary design plans and specifications for the project. Proposed funding for the project consists of a CWCB Construction Fund Loan for \$1,125,000.



Location Map

Water Project Construction Loan Program - Project Data

Borrower: Penrose Water District (PWD)
Water Activity Enterprise

County: Fremont

Project Name: Penrose Raw Water Acquisition
and Development Project

Project Type: Water Rights Purchase and
Raw Water Pipeline

Drainage Basin: Arkansas

Water Source: Arkansas – Pleasant Valley Ditch

Total Project Cost: \$9,730,000

Funding Sources: CWCB, PWD, DOLA

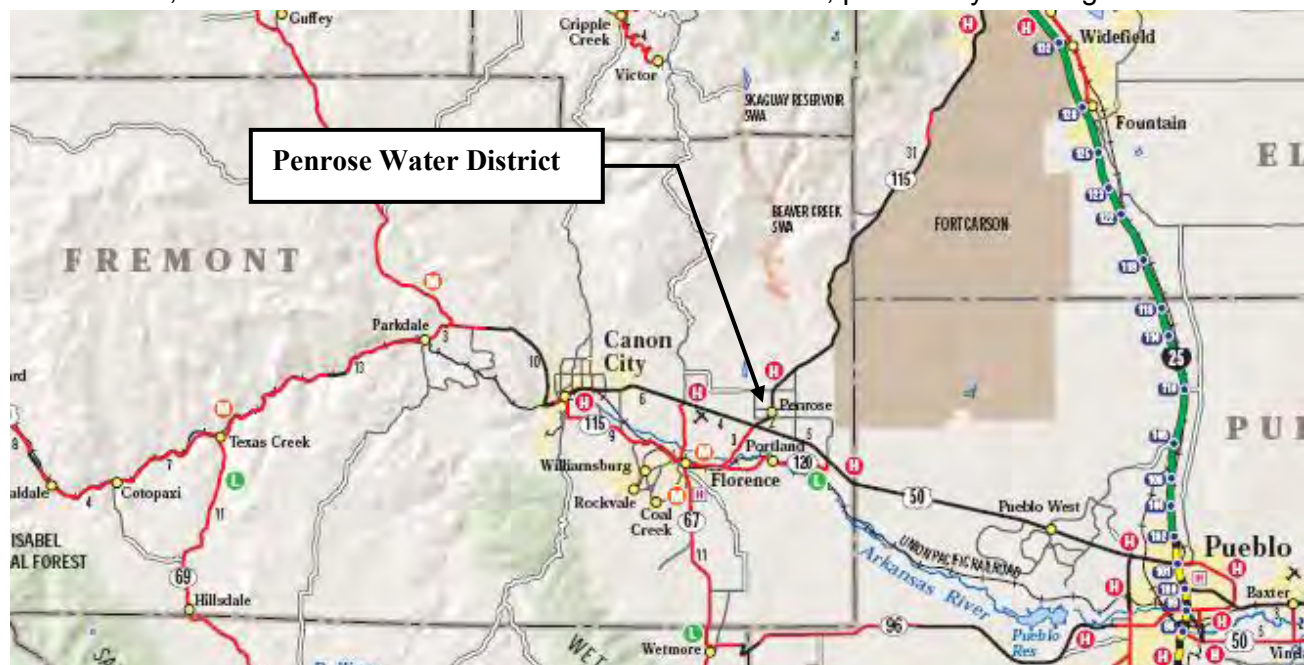
Type of Borrower: Municipal/Low

Aver. Delivery: 339 AF consumptive use

CWCB Construction Fund Loan: \$8,844,570
(incl. 1% loan fee)

Interest Rate: 3.25% **Term:** 30 years

The PWD currently provides domestic water to approximately 4,000 people with 1,700 taps in and around the Town of Penrose, with existing demand of 489 acre-feet per year. PWD's water supply is obtained by a lease with the Beaver Park Water, Inc. (BPW) who owns and operates Brush Hollow Reservoir. The 1990 lease has a 30-year term, and provides an increasing amount of water each year, 751 AF in 2006, leveling out at 1,000 AF in 2020. In drought years, the amount available to PWD is further reduced below the contract amount. Future build-out demand in 2040 is projected to be 1,200 acre-feet for about 8,000 residents and 3,240 taps. The proposed Enterprise project includes the acquisition of 10/12th of the Pleasant Valley Ditch water rights near Howard, with a change in use and change in point of diversion approximately 50 miles downstream to Sec. 13, T19S, R69W. Water will be obtained through the installation of 7 shallow alluvial wells immediately north of the Arkansas River, and then pumped approximately 5.8 miles through a 12-inch transmission line to Brush Hollow Reservoir. As part of the project, Brush Hollow Reservoir will be enlarged by raising the dam four feet. Because of the drought, there has been reduced availability of water from BPW. The project and water rights purchase will supplement the existing BPW lease, and lessen PWD's reliance on BPW leased water, particularly in drought situations.

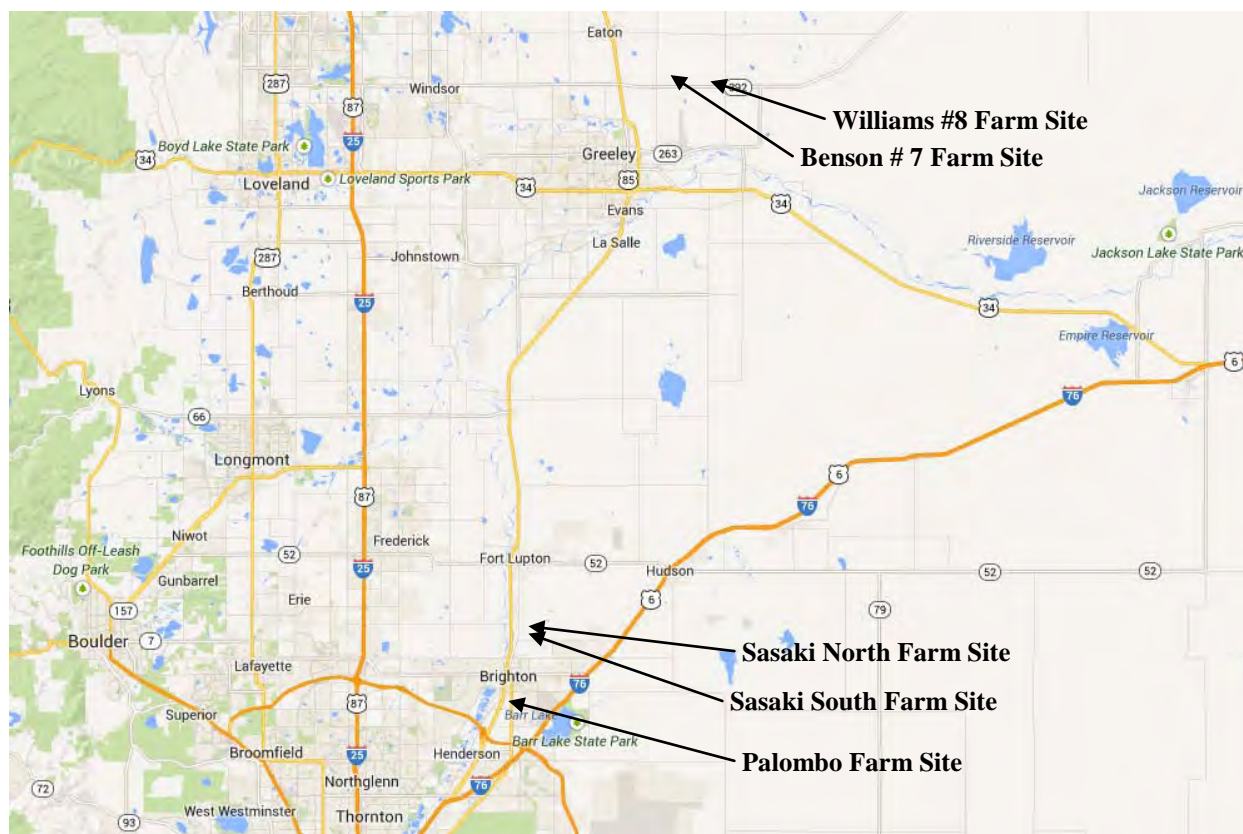


Location Map

**CWCB Water Project Loan Program
Project Data Sheet**

C150363**Borrower:** Petrocco Family Limited Partnership **County:** Adams/Weld**Project Name:** Water Rights Purchase**Project Type:** Water Rights Purchase**Drainage Basin/ District:** South Platte / 2,3**Water Source:** South Platte River
Cache la Poudre River**Total Project Cost:** \$925,000**Funding Source:** Construction Fund**Type of Borrower:** Agricultural**Average Annual Diversion:** 3,000 AF**CWCB Loan:** \$840,825
(with 1% service fee)**Interest Rate:** 1.50% **Term:** 20-years

Petrocco Family Limited Partnership is a family owned and operated produce business located in Brighton, CO and has been in operation since 1916. Its operations currently include farming approximately 2,600 acres in western Adams and Weld counties. This area extends from the home offices south of Brighton, north along the U.S. Highway 85 corridor approximately 25 miles to an area east of Lucerne. The Petrocco Family Limited Partnership holds ownership of land, water, buildings, and equipment assets for the farming operation. The farms are water short when it comes to providing water to irrigate its 2,600 acres of farmland. In wanting to maintain its long term family business goals and to provide a more reliable water supply for its future farming operations, the Partnership has initiated a program of purchasing land and water shares, when available, from ditch and irrigation companies adjacent to its owned and leased farms. The water rights to be purchased from this loan are expected to provide an additional average annual yield of 261 acre-feet across 5 farm sites.



Water Project Loan Program - Project Data Sheet

Borrower: Pisgah Reservoir and Ditch Company **County:** Teller

Project Name: Mt. Pisgah Dam/Wrights
Reservoir Outlet Works Rehabilitation

Project Type: Reservoir Rehabilitation

Drainage Basin: Arkansas River, District 12

Water Source: Fourmile Creek

Total Project Cost: \$362,690

Funding Sources: Construction Fund &
WSRA Grant

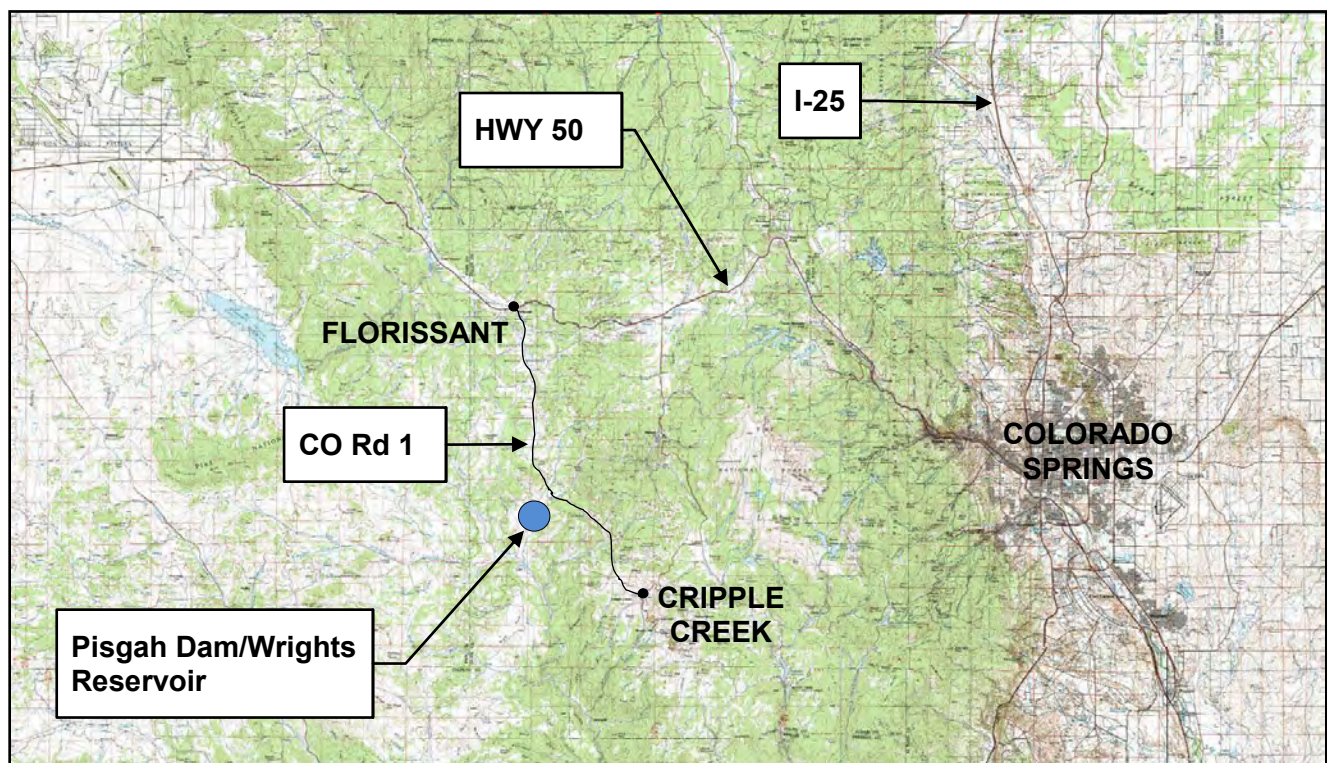
Type of Borrower: Blended
(93% Ag, 7% low-income Muni)

Average Water Delivery: 86,000 AF
Water Storage: 2,192 AF

Loan Amount: \$161,345 (Including 1% fee) **Interest Rate:** 1.75% **Term:** 30 years
WSRA Grant Amounts: \$25,000 Arkansas Basin & \$136,345 Statewide

The Pisgah Reservoir and Ditch Company is applying for a \$161,345 loan to modify the inlet/outlet works and replace existing control valves on Pisgah Dam, in compliance with an SEO conditional order. By complying with the SEO recommendations the Company can avoid a storage level restriction on the reservoir. The Company has 25,000 shares issued amongst 573 current shareholders. The purpose of the Company is to provide raw water for the irrigation of approximately 20,000 acres of agricultural land across an 18 mile stretch from Manzanola to La Junta. Primary shareholders include Catlin Canal Company, Canon Heights Irrigation and Reservoir Company, Park Center Water District, City of Rocky Ford, Colorado Parks and Wildlife, and individual agricultural users.

LOCATION MAP



CWCBC Construction Loan Program Project Data Sheet

Borrower: Town of Ridgway

County: Ouray

Project Name: Lake Otonowanda Rehabilitation Project

Project Type: Reservoir Enlargement

Drainage Basin: Gunnison, District 68

Water Source: Ridgway Ditch

Total Project Cost: \$2,080,843

Funding Sources: Construction Fund, WSRA, DOLA, CO River District

Type of Borrower: middle-income municipal

Avg. Diversion: 280 AF (363 AF of reservoir storage)

Loan Amount: \$606,000 (Including 1% fee)

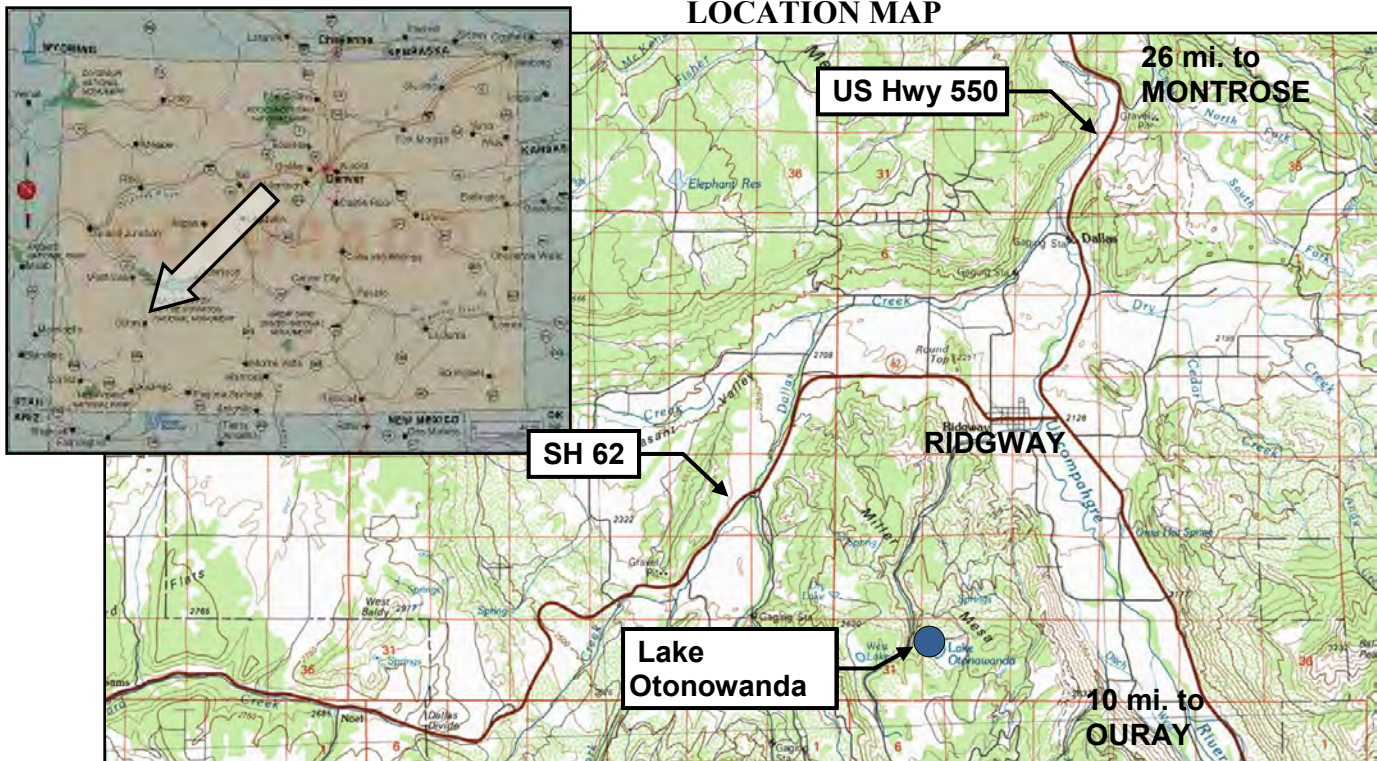
Interest Rate: 3.0%

Term: 30 years

WSRA Grant Amounts: \$60,000 Gunnison Basin & \$540,000 Statewide

The Town of Ridgway is requesting a CWCBC loan for rehabilitation improvements and enlargement of Lake Otonowanda to ensure a reliable water supply of raw water is available under future drought conditions. Otonowanda is the primary storage facility for the town, responsible for treating and delivering potable water to 695 SFE. Otonowanda, with a current capacity of 109 AF, does not have a functional outlet works; therefore, no way to control reservoir discharge. During 2002, all of the Town's water rights fell out of priority due to extended drought conditions and the Town was dangerously close to running out of water. The improvements to the reservoir, including: replacement of the outlet works, reservoir lining and a 254-AF enlargement, will provide the Town the ability to store more of its adjudicated water rights and a controlled means to release the water, firming the Town's water supply in the event of future call outs.

LOCATION MAP



Water Project Loan Program - Project Data

Borrower: Riverside Ditch & Allen Extension Co.

County: Chaffee

Project Name: Phased Canal Improvements

Project Type: Ditch Rehabilitation

Drainage Basin: Arkansas

Water Source: Arkansas River

Total Project Cost: \$205,000

Funding Source: Construction Fund

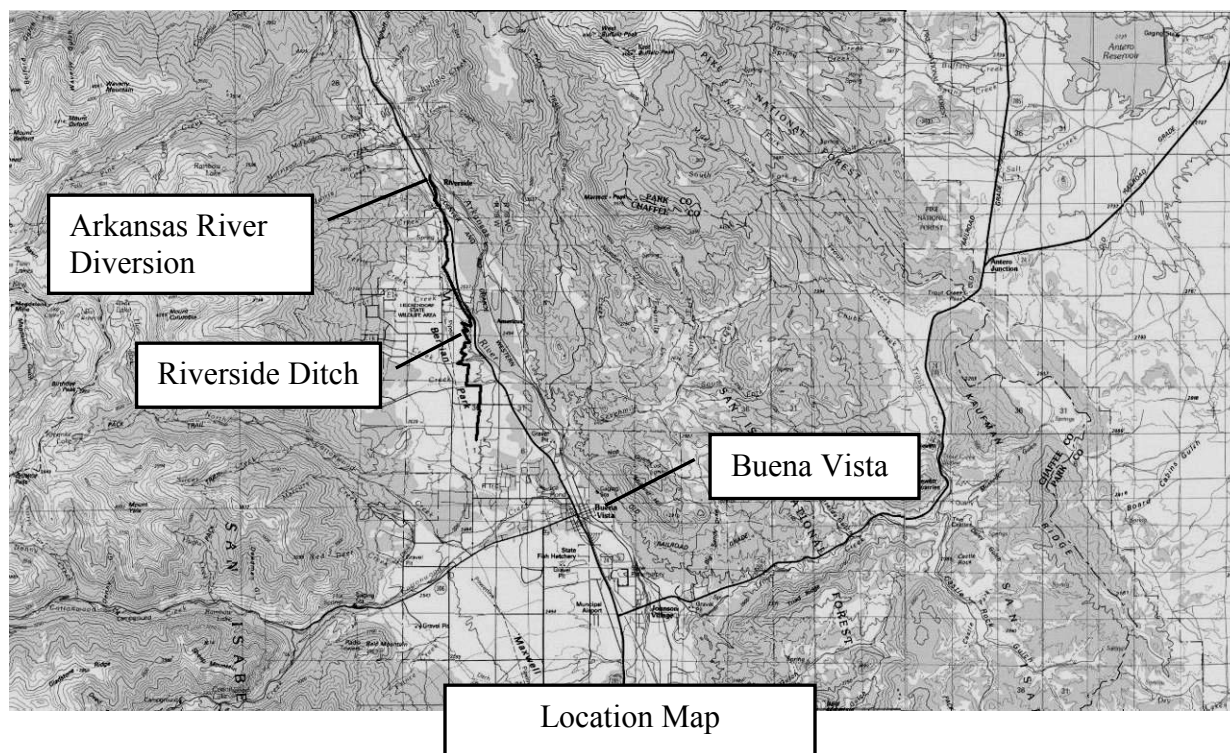
Type of Borrower: Agricultural

Average Diversion: 3,250 acre-feet

CWCB Loan: \$186,345 (Including 1% fee)

Interest Rate: 2.75% **Term:** 30 years

The Riverside Ditch and Allen Extension Company (Company), located near Buena Vista, owns and operates the Riverside Ditch (canal) that provides irrigation water to a 450 acre service area within Chaffee County. A significant portion of the Company's structures along the 125 year old canal are aged and in need of repair or replacement. The Company intends to complete a number of phased improvements to the canal that include: repairs to the river diversion; lining of portions of the canal to reduce seepage; installation of canal monitoring using SCADA equipment; phreatophyte removal; repair/replacement of aging headgates; and installation of standardized flumes. The proposed improvements would benefit the shareholders by improving overall canal efficiency, thereby increasing the consistency of shareholder headgate deliveries. These improvements will also benefit the Company through increased operator safety. Improvements are expected to be completed between the winter of 2009 and spring of 2012.



**CWCB Construction Loan Program
Project Data Sheet**

Borrower: Riverside Reservoir and Land Co.

County: Weld

Project Name: Emergency Spillway Project

Project Type: Reservoir Rehabilitation

Drainage Basin: South Platte

Water Source: South Platte River

Total Project Cost: \$3,120,000

Funding Sources: Severance Tax Trust Fund
Perpetual Base Account

Type of Borrower: Agricultural

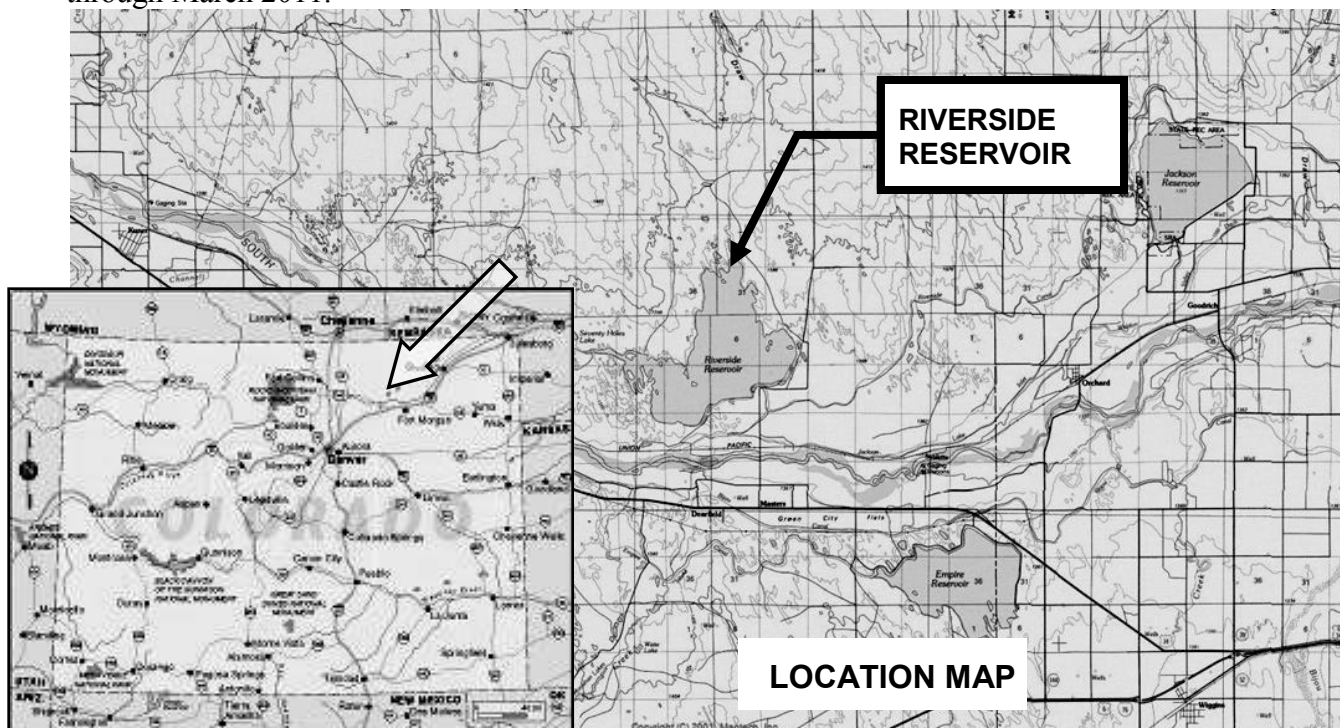
Average Delivery: 39,000 AF (from Reservoir storage) (105,000 Total AF for Company)

Loan Amount: \$2,838,100 (Including 1% fee)

Interest Rate: 2.5%

Term: 30 years

The Riverside Reservoir and Land Company (Company) owns and operates the 64,000 acre-foot capacity Riverside Dam and Reservoir, an inlet canal known as Riverside Ditch, and a river diversion structure located near the town of Kersey, Colorado. The Company diverts water from the South Platte River, approximately 10 miles downstream of Greeley, Colorado. It stores water primarily during winter months for irrigation releases during the following water season. The Company, formed in 1902, delivers irrigation water to approximately 50,000 acres. The Company is applying for a loan to install a spillway at Riverside Reservoir (Reservoir). The Reservoir is not equipped with an emergency spillway, which is required by the DWR's *Rules and Regulations for Dam Safety and Dam Construction*. There is currently a nominal restriction of 0.05 feet (200 AF of storage loss) due to the lack of a spillway. In order to enhance the safety of the Reservoir and prevent further storage restrictions, the Company plans on constructing an emergency spillway. The final design is expected to be complete in January 2010 with construction occurring from July 2010 through March 2011.



**CWCB Water Project Loan Program
Project Data Sheet**

Borrower: Roxborough Water and Sanitation District, Water Activity Enterprise

County: Douglas

Project Name: Raw Water Supply Project

Project Type: Water Acquisition

Basin: South Platte **District:** 8

Water Source: South Platte

Total Project Cost: \$26,313,150

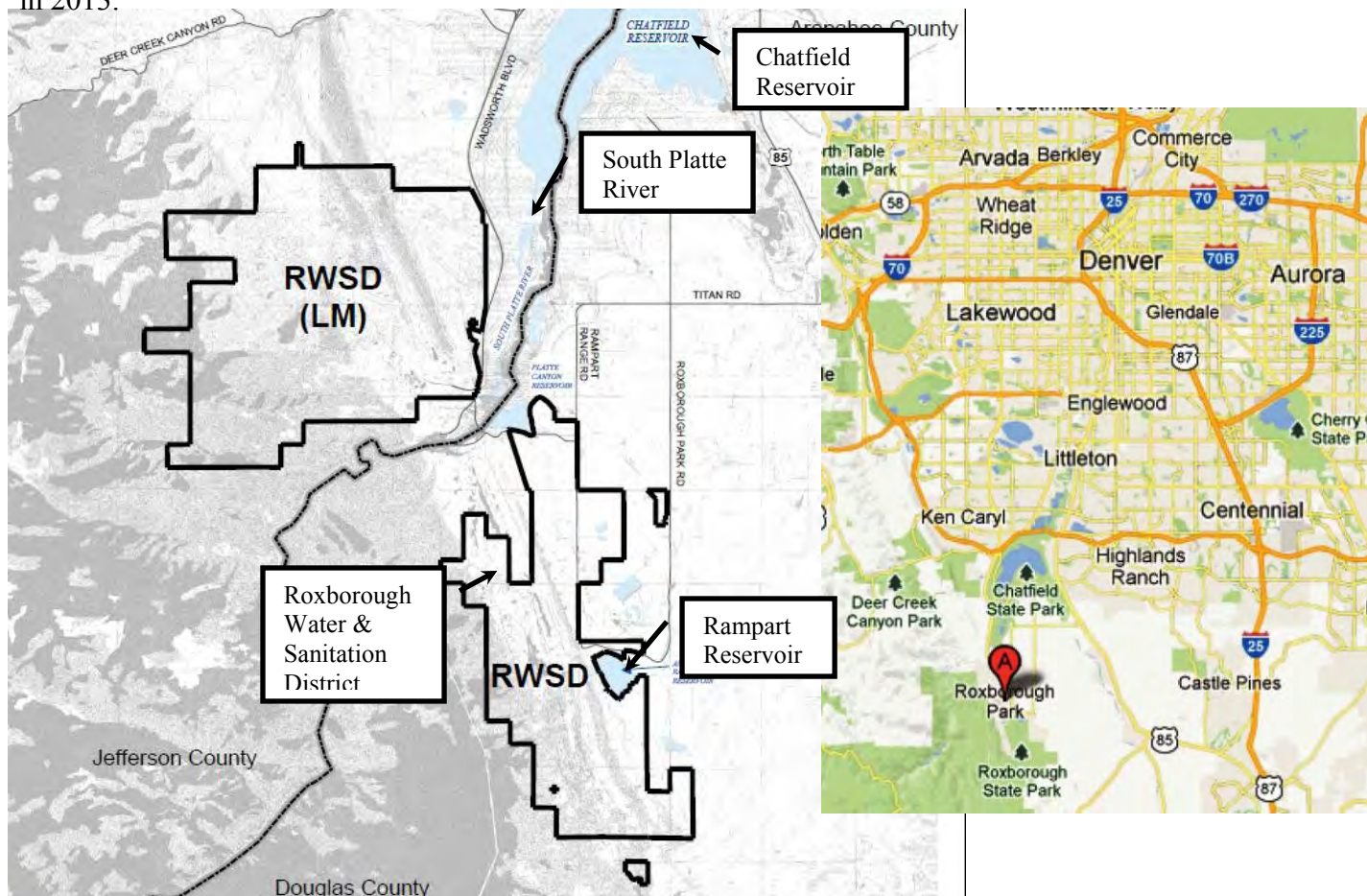
Funding Source: Construction Fund

Type of Borrower: High-income municipal

Average Annual Diversion: 1,141 AF

CWCB Loan: \$18,538,550 (w/ 1% service fee) **Interest Rate:** 3.25% **Term:** 30-years

The Roxborough Water and Sanitation District is applying for a loan for the Raw Water Supply Project. Since 1972 the District has been leasing water from Aurora through an agreement that expires in 2022. After many years of discussion, the District has reached an agreement with Aurora to purchase a permanent raw water supply. The agreement is based on the use of Aurora's existing and future raw water supplies and infrastructure. Through this agreement, the District is paying a connection fee for 3,400 Equivalent Residential Units. Aurora will deliver up to 1,800 AF annually through its existing system for treatment by the District. In addition, 285 AF will be delivered annually for irrigation customers within the District. The agreement is expected to be implemented in 2013.

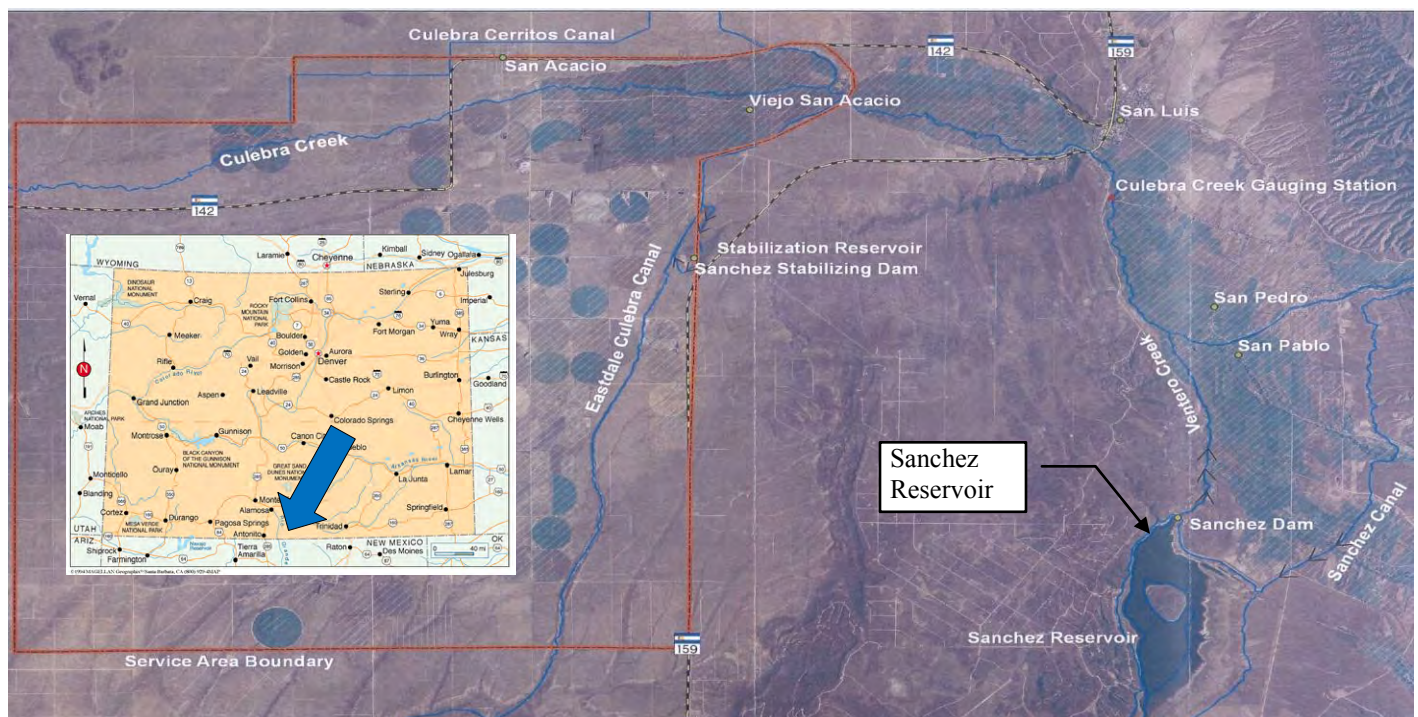


CWCBC Construction Loan Program Project Data Sheet

Borrower: Sanchez Ditch and Reservoir Co.**County:** Costilla**Project Name:** Sanchez Reservoir Outlet Rehabilitation Project**Project Type:** Dam Rehabilitation**Basin / District:** Rio Grande / 24**Water Source(s):** Ventero Creek**Total Project Cost:** \$2,032,000**Funding Sources:** Construction Fund & WSRA (Basin & Statewide funds)**Type of Borrower:** Agricultural**Average Diversions:** 15,000 AF

Loan Amount: \$1,128,776 (Including 1% fee) **Interest Rate:** 1.75% **Term:** 30 years
WSRA Grant Amounts: \$55,000 Rio Grande Basin & \$859,400 Statewide

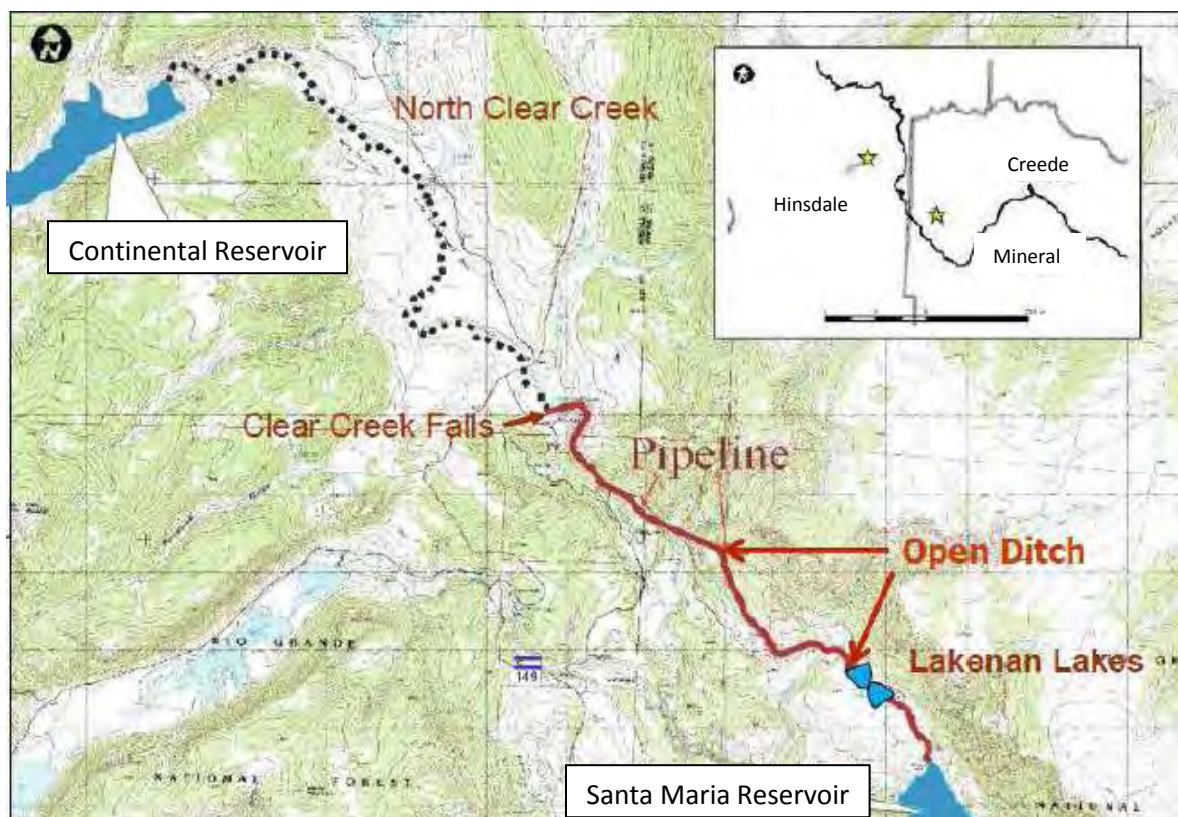
The Company provides irrigation water for users in Costilla County, southwest of the town of San Luis. The Company's primary storage reservoir is Sanchez Reservoir. The approximately 104,000 acre-foot reservoir was built in 1910. The reservoir's outlet includes a 135 foot tall concrete gate tower. In order to access the gates to operate the dam, a tramway/gondola runs along a cable and is powered by a portable gasoline generator. Because daily access to the tower is required during irrigation season, the reliability and safety of the gondola system has been a concern of the Company. Using loan and grant funds, the Company intends to address the safety and operational management concerns at the reservoir through the demolition of the gate tower; the installation of new control gates and operators; lining the existing outlet conduit with shotcrete; repairing the downstream outlet structure; and, installing a new perimeter drain and weir along the right side of the outlet structure to control seepage. The project schedule is estimated as: final design and State Engineer's Office (SEO) approval between January 2013 and January 2014; bid the project in May of 2014; award the bid by June of 2014; start construction in September of 2014; complete construction by March of 2015.



**Water Project Loan Program
Project Data Sheet**

Borrower:	Santa Maria Reservoir Company	County:	Hinsdale & Mineral		
Project Name:	Santa Maria Siphon and Canal System Rehabilitation Project	Project Type:	Dam Rehabilitation & Ditch Rehabilitation		
Drainage Basin:	Rio Grande / District 20	Water Source:	North Clear Creek		
Total Project Cost:	\$1,855,000	Funding Source:	Construction Fund and Water Supply Reserve Account Grants		
Type of Borrower:	Agricultural	Avg. Annual Diversion:	6,300 AF		
CWCB Loan:	\$1,405,163 (w/ 1% service fee)	Interest Rate:	1.75%	Term:	30 years

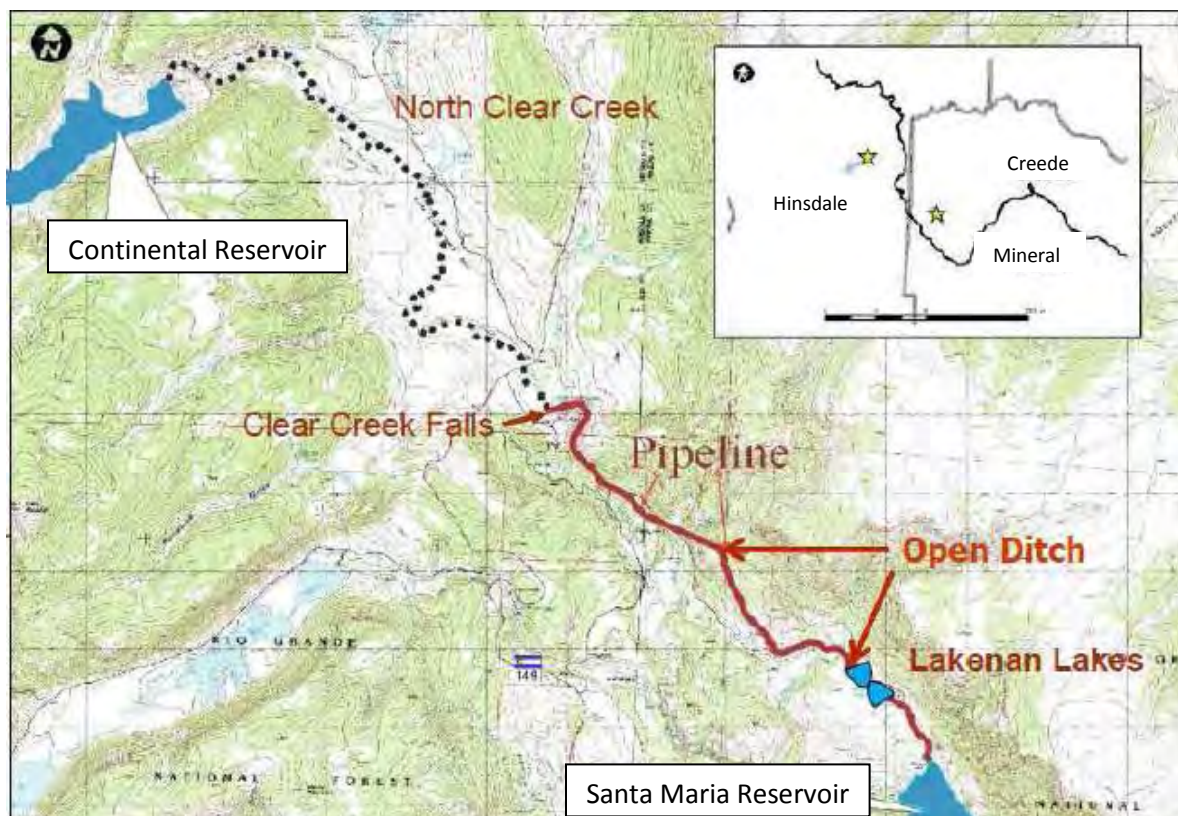
Santa Maria Reservoir Company owns and operates Continental Reservoir (27,000 AF) and Santa Maria Reservoir (43,500 AF), located in the Rio Grande River Basin near Creede, Colorado. Santa Maria and Continental operate in conjunction with each other via a century old conveyance system made up of a pipeline, siphon, and open ditch. For the past 20 years, Continental has been under a storage restriction due to seepage issues, limiting the storage to 15,000 AF. The Company is planning a two phased approach to rehabilitate its system. The first phase (the subject of this funding request) is the rehabilitation of the conveyance system between the reservoirs including repairs to the siphon and lining of the canal. Construction is expected to occur in the summer/fall of 2013.



**Water Project Loan Program
 Project Data Sheet**

Borrower:	Santa Maria Reservoir Company	County:	Hinsdale & Mineral
Project Name:	Continental Dam Spillway Restoration Project	Project Type:	Dam Rehabilitation
Drainage Basin:	Rio Grande / District 20	Water Source:	North Clear Creek
Total Project Cost:	\$4,055,000	Funding Source:	Construction Fund and Water Supply Reserve Account Grants
Type of Borrower:	Agricultural	Avg. Annual Diversion:	6,300 AF
		Recovered Storage:	12,000 AF
CWCB Loan:	\$3,071,633 (w/ 1% service fee)	Interest Rate:	1.75%
		Term:	30 years

Santa Maria Reservoir Company owns and operates Continental Reservoir (27,000 AF) and Santa Maria Reservoir (43,500 AF), located in the Rio Grande River Basin near Creede, Colorado. Santa Maria and Continental operate in conjunction with each other via a conveyance system made up of a pipeline, siphon, and open ditch. For the past 20 years, Continental has been under a storage restriction due to seepage issues, limiting the storage to 15,000 AF. The purpose of this Project is to address seepage issues and repair the spillway Continental Reservoir in order to lift the storage restriction. Construction is expected to occur in the 2014 construction season.



Water Project Loan Program – Project Data Sheet

Borrower: Terrace Irrigation Company

County: Conejos

Project Name: Spillway Replacement Project

Project Type: Reservoir Rehabilitation

Drainage Basin: Rio Grande River Basin, District 21

Water Source: Alamosa River

Total Project Cost: \$4,500,000

Funding Source: Construction Fund

Type of Borrower: Agricultural

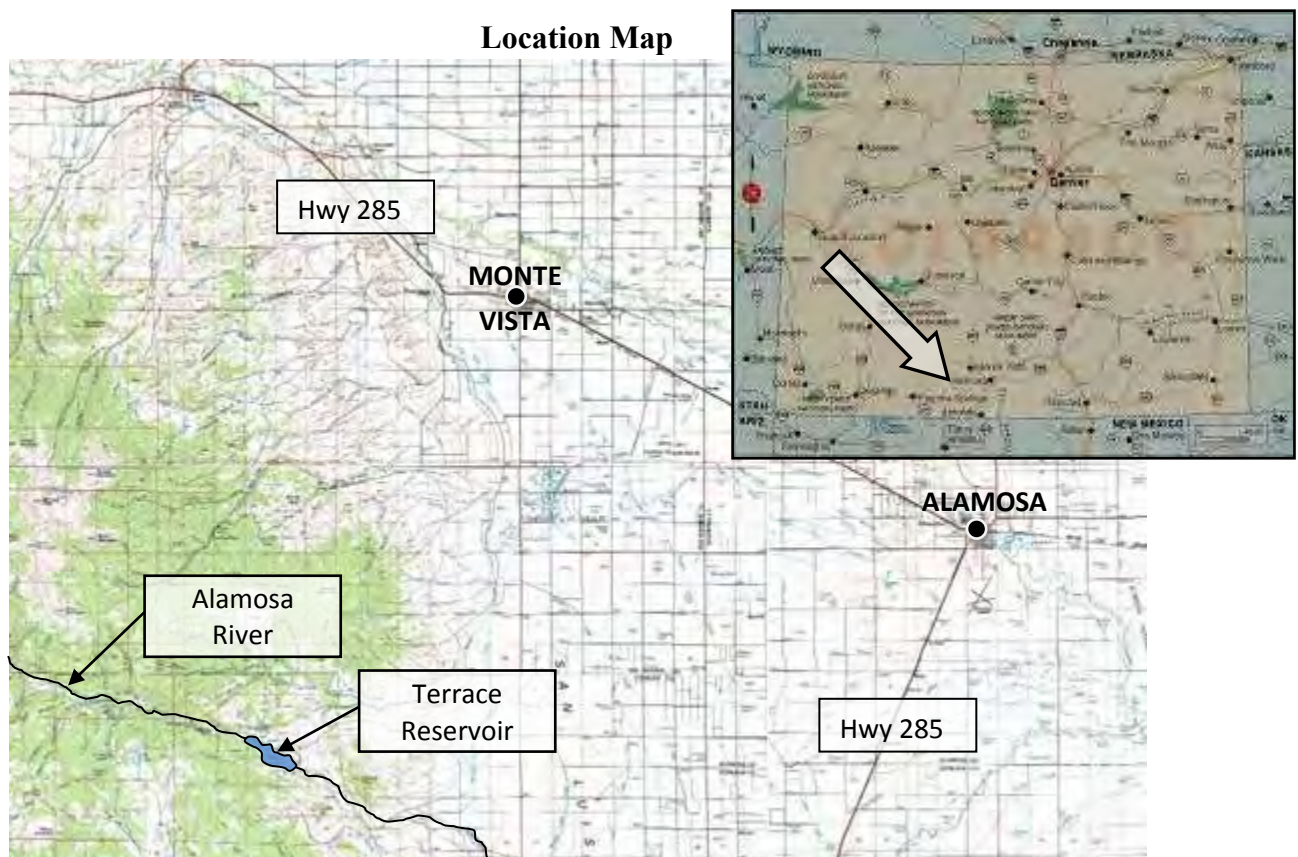
Avg. Annual Delivery: 15,339 AF

CWCB Loan: Project: \$1,010,000 (w/ 1% service fee)
Consolidated: \$2,751,968

Interest Rate: 1.75% **Term:** 30 years
(with a 1% Restricted Reservoir reduction)

The Company, responsible for supplying irrigation water to its shareholders for irrigation of 9,300 acres of agricultural lands, is also an active participant in the Alamosa River Instream Flow Project. The ISF Project is intended to restore flows and replace natural resources damaged by mining operations in the upper reaches of the Alamosa River. The Company relies on Terrace Reservoir to meet its irrigation demands throughout the later part of the irrigation season. The reservoir is currently under a restriction order from the SEO, reducing its available capacity by 2,000 AF. This project will replace the existing spillway and remove the SEO restriction order. Funding for this project includes grant money from WSRA (\$1,500,000) and the Summitville Natural Resource Damage (NRD) account (\$2,000,000). In return for NRD funding, the Company has agreed to donate 2,000 AF of storage in Terrace Reservoir towards instream flow storage to further the efforts of the ISF Project. Construction is expected to begin in summer/fall of 2012 and be completed by the end of 2013.

Location Map



Water Project Loan Program – Project Data Sheet

Borrower: Thunderbird Water and Sanitation District

County: Douglas

Project Name: Lambert Ranch Water Rights Purchase

Project Type: Water Rights Purchase

Drainage Basin: South Platte, District 8

Water Source: Denver Basin Aquifer

Total Project Cost: \$350,000

Funding Source: Construction Fund

Type of Borrower: Middle-Income Municipal

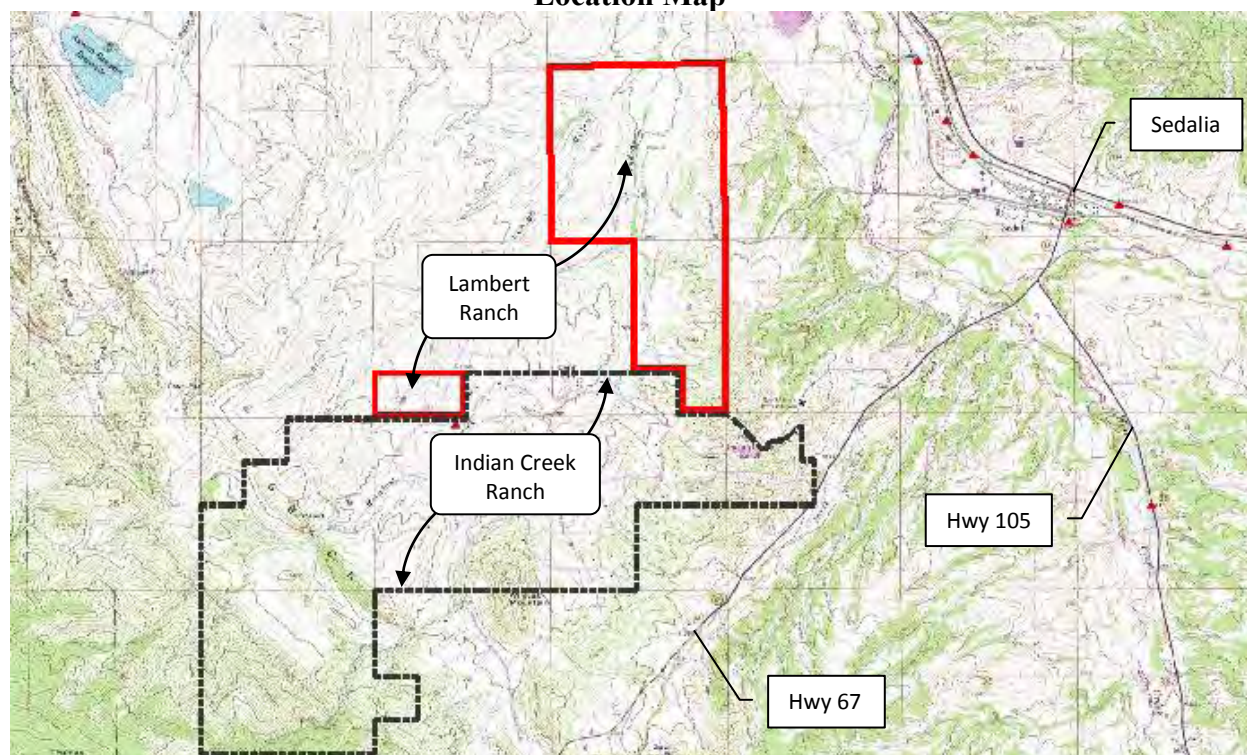
Avg. Annual Delivery: 55 AF

CWCB Loan: \$318,150 (w/ 1% service fee)

Interest Rate: 4.25% **Term:** 20 years

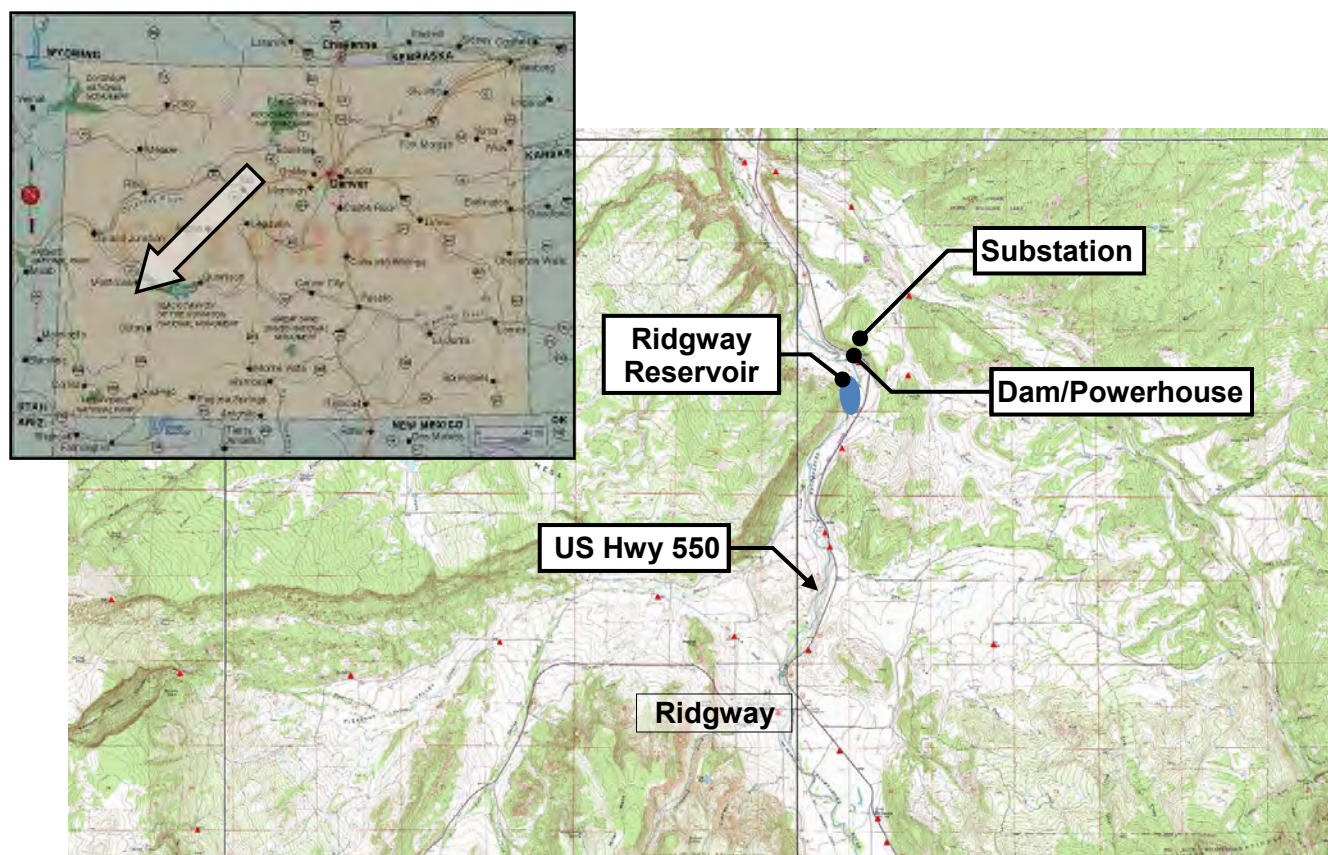
The Thunderbird Water and Sanitation District (District) provides potable water service for the Indian Creek Ranch subdivision, consisting of 2,420 acres and 175 customers. The District is applying for a loan to purchase 895.9 AF of Denver Basin decreed ground water rights that underlie the property known as Lambert Ranch. On average, the District delivers approximately 55 AF annually. The increase would enable the District to enlarge its available supply; thereby increasing system reliability, providing the redundancy necessary to allow for system maintenance and protect against aquifer depletions.

Location Map



**CWCB Construction Loan Program
Project Data Sheet****Borrower:** Tri-County Water Conservancy District **County:** Ouray, Montrose, Delta**Project Name:** Ridgway Reservoir Micro-Hydro **Project Type:** Hydroelectric**Drainage Basin:** Gunnison, District 68**Water Source:** Uncompahgre River**Total Project Cost:** \$17,000,000**Funding Sources:** Construction Fund,
CWRPDA**Type of Borrower:** Hydroelectric**Avg. Diversion:** 35,000 AF (84,410 AF of
reservoir storage)**Loan Amount:** \$13,130,000 (Including 1% fee) **Interest Rate:** 2.00% **Term:** 30 years
> Increased from \$9,090,000 in Jan 2013

The Tri-County Water Conservancy District is requesting a CWCB loan for the construction of a 8MW hydroelectric power generating facility at Ridgway Reservoir. The project will be permitted through the "Lease of Power Purchase" process with the Bureau of Reclamation, allowing the incorporation of a hydropower facility into the existing outlet works of Ridgway Dam. The dam, constructed by the Bureau as part of the Dallas Creek Project, began storing waters of the Uncompahgre Basin in 1987. The District projects that the facility will produce an annual average of 22,600 MWh, which will be sold to the San Miguel Power Association/Tri-State Generation and Transmission and the City of Aspen/Municipal Energy Agency of Nebraska through a Power Purchase Agreement. Construction is scheduled to begin in the spring of 2013 and take approximately 2 years to complete, with energy production expected by summer 2014.



**CWCB Construction Loan Program
PROJECT DATA SHEET**

Attachment 6

Borrower: Upper Arkansas Water Conservancy District **County:** Chaffee/Fremont/Custer

Project Name: North Fork Reservoir Rehab/Expansion **Drainage Basin:** Arkansas River

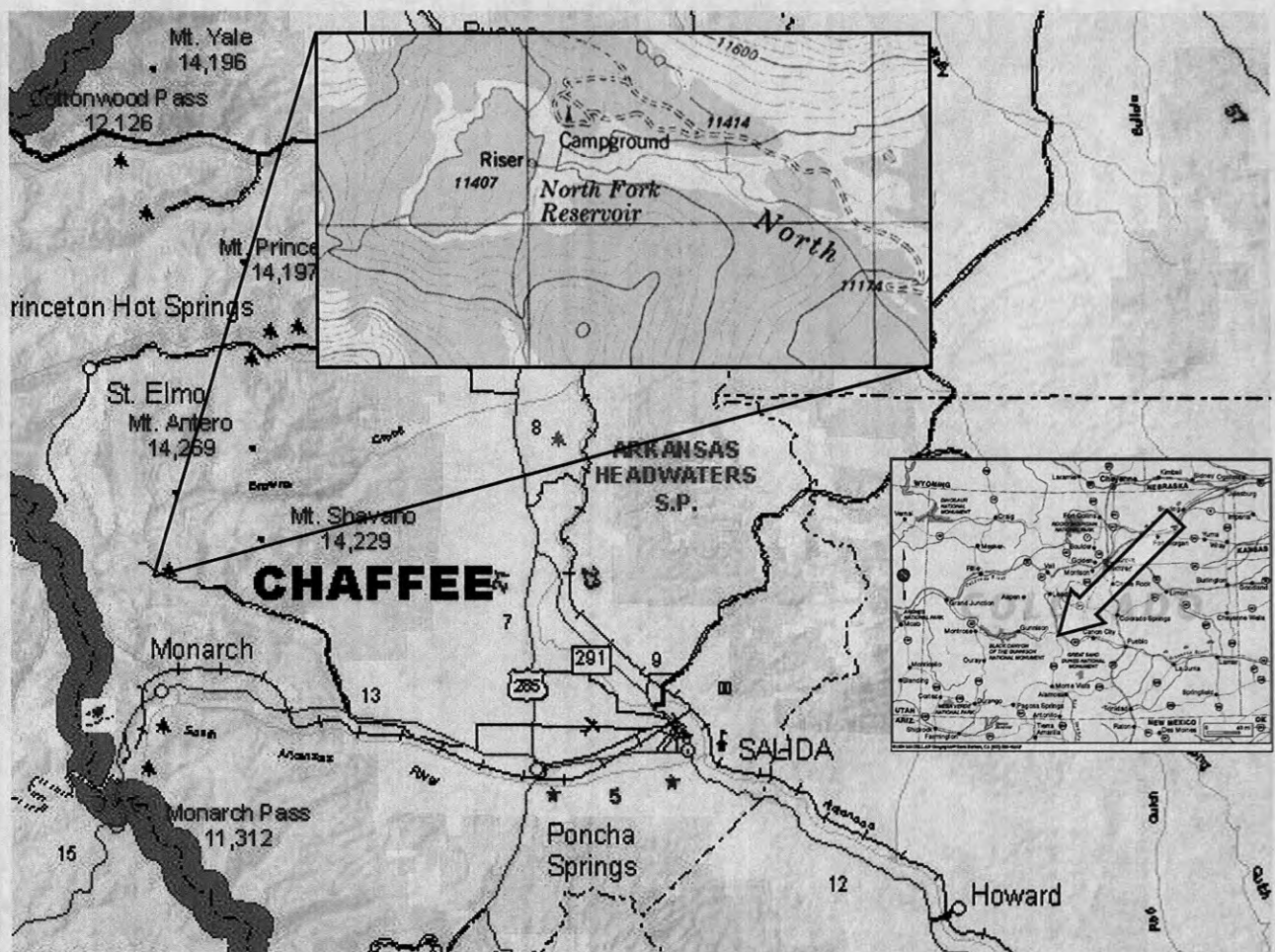
Project Type: Dam and Spillway Modifications **Water Source:** N. Fork of S. Arkansas

Total Project Cost: \$3,309,850 **Funding Sources:** CWCB & Company

Loan Amount: \$2,980,000 **Current Reservoir Storage:** 500 acre-feet

Type of Borrower: Low Municipal/Agricultural **Interest Rate:** 3.0% **Term:** 30 years

The Upper Arkansas Water Conservancy District is located in Salida, Colorado, and serves to protect and develop water supplies in Chaffee, Western Fremont and Custer Counties. The District has operated the North Fork Reservoir since 1979 for domestic, municipal, industrial, recreational and augmentation purposes. The reservoir is at elevation 11,400 feet and is located 10 miles from Maysville on the North Fork of the South Arkansas River. The District plans to repair the outlet gate, improve the access for construction, increase the spillway capacity, mitigate seepage along the right abutment, and raise the dam height by 15 feet. This will increase the capacity of the reservoir from 595 AF to 1095 AF. The enlargement will also require the relocation of portions of a campground. The reservoir is located on Forest Service property and currently has a Special Use Permit authorizing the repair work. The enlargement work will require a NEPA study prior to Forest Service permitting.



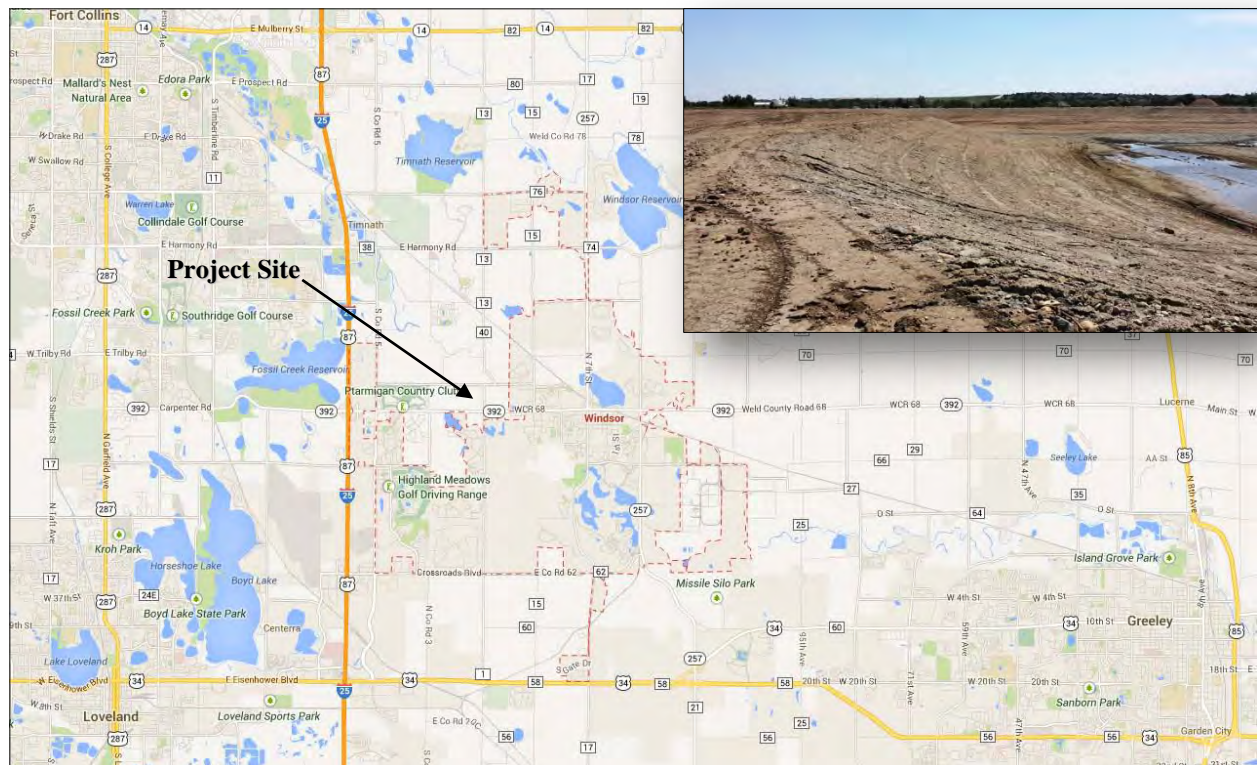
LOCATION MAP

**CWCB Water Project Loan Program
Project Data Sheet**

C150366

Borrower: Town of Windsor Water Enterprise	County: Larimer/Weld
Project Name: Kyger Reservoir Project	Project Type: Reservoir Construction
Drainage Basin/ District: South Platte / 3	Water Source: Cache la Poudre River
Total Project Cost: \$6,300,000	Funding Source: Construction Fund
Type of Borrower: Municipal (High)	Average Annual Delivery: 2035 AF
CWCB Loan: \$4,545,000 (with 1% service fee)	Interest Rate: 2.75% Term: 20-years

The Town of Windsor was incorporated in 1890 and adopted its Home Rule Charter in 2003. The Town has seen tremendous growth over the last decade and has a current population of approximately 18,700 people. The Town's Water Activity Enterprise was created by a Town Ordinance in 1994 and serves 5,604 taps. The Enterprise revenues come from water usage fees. The average water bill is \$45 per month. The purpose of this project is to provide the Town new water storage to help meet their current and future non-potable and augmentation water needs. This CWCB loan will go towards the purchase of the Kyger reservoir, the design and construction of the reservoir infrastructure, and the purchase of water rights.



Projects Not Under Contract

**CWCB Water Project Loan Program
Project Data Sheet**

Borrower: Boxelder Basin Regional Stormwater Authority

County: Larimer

Project Name: Larimer-Weld Canal & Boxelder Creek Crossing Structure

Project Type: Flood Control

Drainage Basin / District: South Platte / 3

Water Source: Boxelder Creek

Total Project Cost: \$1,139,000

Funding Source: Construction Fund

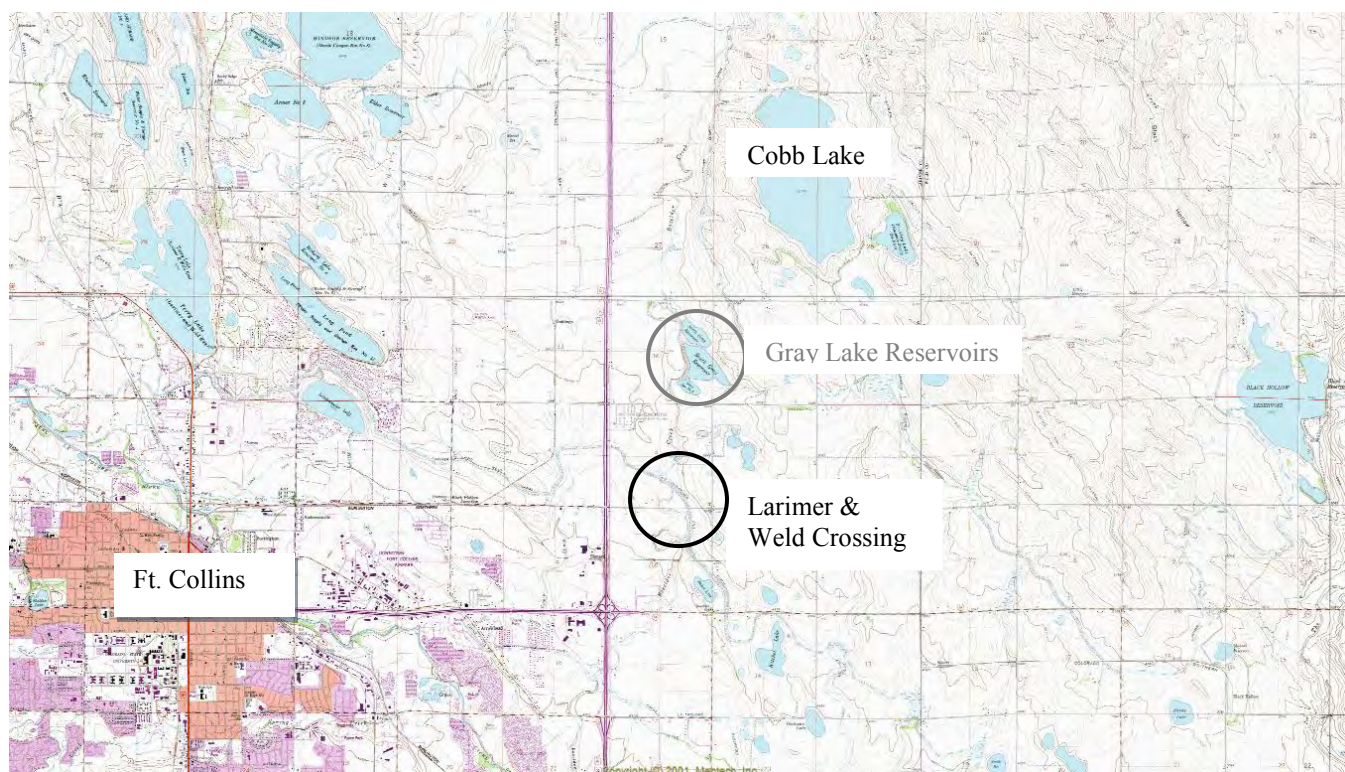
Type of Borrower: Middle Income Municipal

Average Annual Diversion: N/A

CWCB Loan: \$1,010,000
(with 1% service fee)

Interest Rate: 2.75% **Term:** 15-years
(rate reduced from 3.0% for middle income municipal)

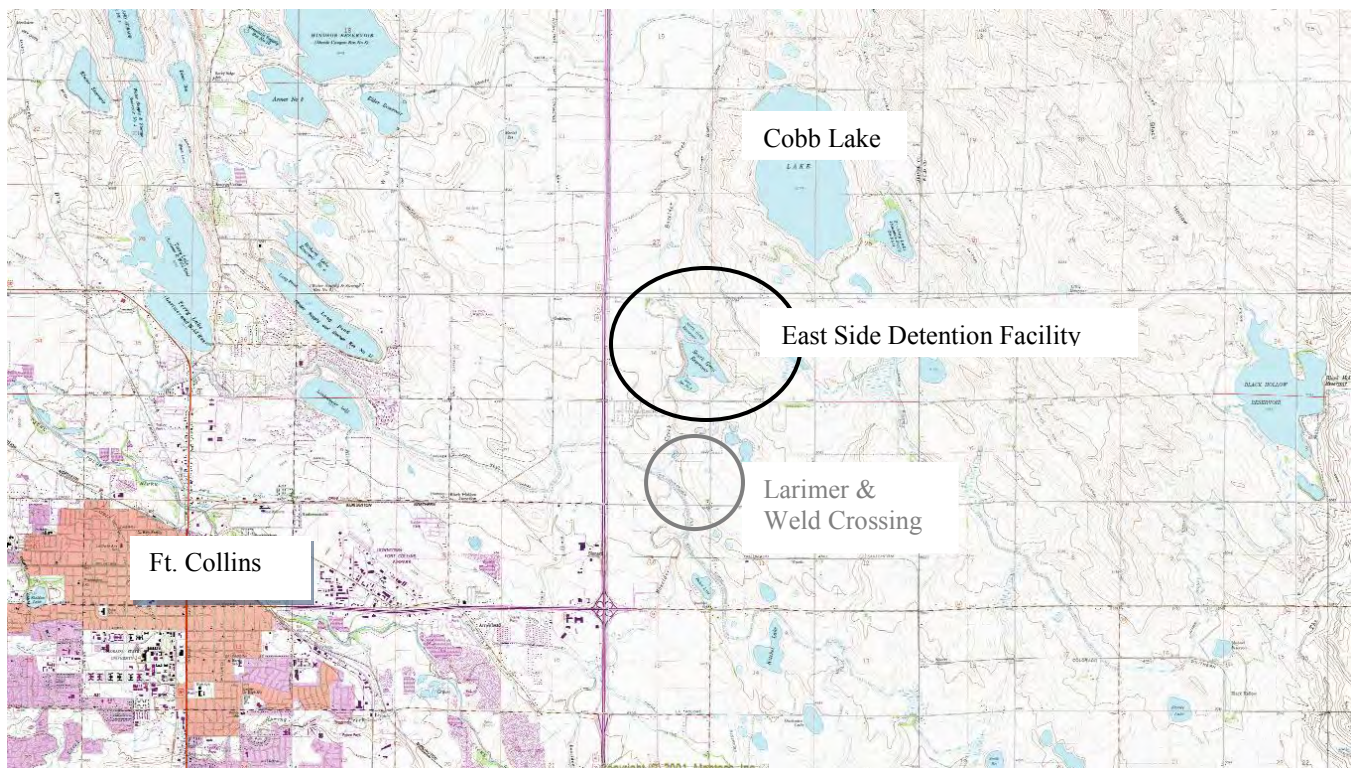
The Boxelder Basin Regional Stormwater Authority was formed in 2008, through an IGA between the City of Fort Collins, Larimer County and the Town of Wellington, to facilitate the construction of regional flood control projects to reduce the threat of flooding and remove areas from the FEMA floodplain in the Boxelder Creek basin. The crossing structure will provide conveyance for 100-year flows from Boxelder Creek across the Larimer-Weld Canal in a safe and controlled manner. Currently the Boxelder Creek 100-year flows inundate the Larimer and Weld Canal and cause it to overflow west of I-25 into the Cooper Slough drainage within the City of Fort Collins. The design of the crossing structure calls for the construction of a side-flow spillway. Construction is expected to occur between the fall of 2014 through the spring of 2014. Repayment for the project will come from stormwater service and system development fees collected by the Authority.



**CWCB Water Project Loan Program
Project Data Sheet**

Borrower: Boxelder Basin Regional Stormwater Authority	County: Larimer
Project Name: East Side Detention Facility	Project Type: Flood Control
Drainage Basin/ District: South Platte / 3	Water Source: Boxelder Creek
Total Project Cost: \$8,761,000	Funding Source: Construction Fund
Type of Borrower: Middle Income Municipal	Average Annual Diversion: N/A
CWCB Loan: \$7,171,000 (with 1% service fee)	Interest Rate: 2.75% Term: 15-years (Reduced from 3.0% for middle income municipal)

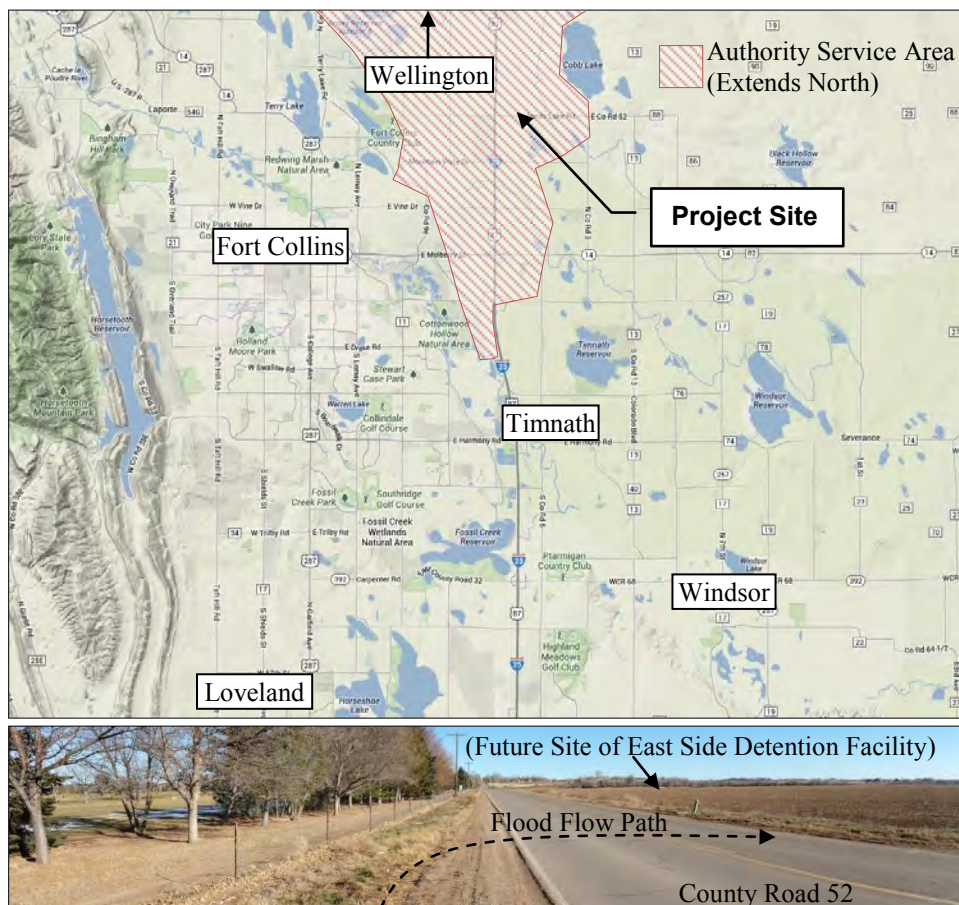
The Boxelder Basin Regional Stormwater Authority was formed in 2008, through an IGA between the City of Fort Collins, Larimer County and the Town of Wellington, to facilitate the construction of regional stormwater improvements to reduce the threat of flooding and remove areas from the FEMA floodplain in the Boxelder Creek basin. The East Side Detention Facility is a key component in the Authority's master plan. The detention facility will provide 1,800 AF of detention storage and will decrease downstream flows from approximately 6,700 cfs to 2,400 cfs. The reduced flow rate will allow 100-year flows to be contained in the current cross-section of Boxelder Creek and will eliminate the flow that occurs in the 100-year flood plain below the proposed detention facility. Construction is expected to take one year beginning in December of 2013. Repayment for the project will come from stormwater service and system development fees collected by the Authority.



CWCB Water Project Loan Program Project Data Sheet

C150393**Borrower:** Boxelder Basin Regional
Stormwater Authority**County:** Larimer**Project Name:** County Road 52 Improvements**Project Type:** Flood Control**Drainage Basin/ District:** South Platte / 3**Water Source:** Boxelder Creek**Total Project Cost:** \$1,850,000**Funding Source:** Construction Fund**Type of Borrower:** Middle Income Municipal**Average Annual Diversion:** N/A**CWCB Loan:** \$818,100
(with 1% service fee)**Interest Rate:** 2.50% **Term:** 15 years
(Reduced from 2.75% for middle income municipal)

The Boxelder Basin Regional Stormwater Authority was formed in 2008, through an IGA between Fort Collins, Larimer County, and Wellington, to facilitate the construction of regional stormwater improvements to reduce the threat of flooding and remove areas from the FEMA floodplain in the Boxelder Creek basin. The County Road 52 Improvement Project will be completed in conjunction with the Authority's East Side Detention Facility (CWCB Loan Contract C150352) and Larimer and Weld Canal Crossing Structure (CWCB Loan Contract C150353). This Project will install box culverts under County Road 52 to reduce roadway overtopping in a 100-year storm event. Altogether, these projects are expected to reduce downstream flows in Boxelder Creek from over 7,000 cfs to less than 2,400 cfs during a 100-year storm event.



**CWCB Water Project Loan Program
Project Data Sheet**

Attachment 6

C150403

Borrower: Castle Pines Metropolitan District

County: Douglas

Project Name: Chatfield Reallocation Project

Project Type: Reservoir Storage

Drainage Basin: South Platte

Water Source: South Platte River
Plum Creek

Total Project Cost: \$5,550,000

Funding Source: Severance Tax Perpetual
Base Fund

Type of Borrower: High-income Municipal

Average Annual Delivery: 1,056 AF

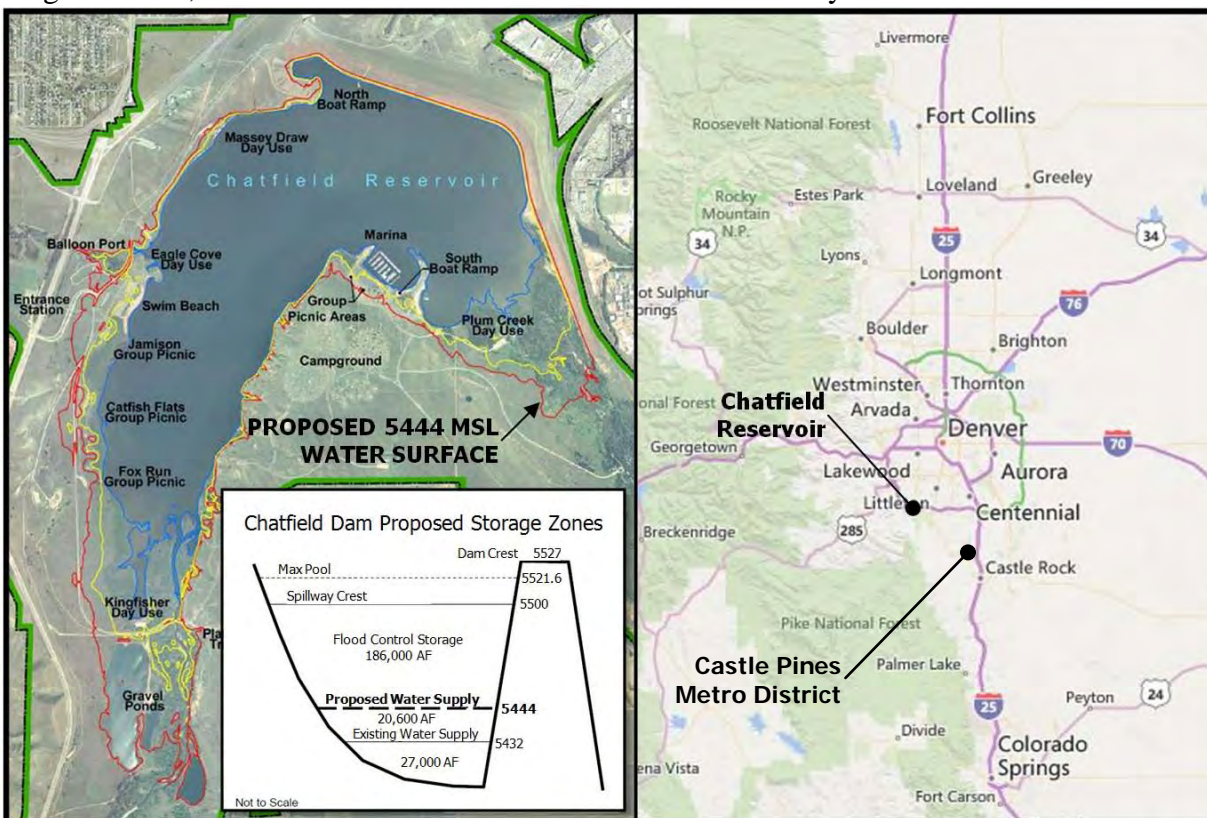
Added Water Supply Storage: 786.7 AF

CWCB Loan: \$5,050,000 (with 1% service fee)

Interest Rate: 3.0% **Term:** 30-years

The Castle Pines Metropolitan District provides water and wastewater services to the residents and businesses of Castle Pines Village in Douglas County. The District is participating in the Chatfield Reallocation Project in order to increase the permanence and reliability of its water supply. Successful completion of the Project would result in the District securing renewable water rights that on average would supply 32% of its average annual water demand. Of the 20,600 acre-feet proposed to be reallocated, the District would receive 786.7 acre-feet of storage, or 3.82% of the total reallocation. The District will use Chatfield storage through an exchange on east Plum Creek as authorized in water court Case No 04CW308.

The US Army Corps of Engineers issued the Project's Feasibility Report and Environmental Impact Statement (FR/EIS) in July 2013 and a Record of Decision is expected in 2014. The Selected Alternative recommended in the Final FR/EIS will provide 20,600 acre-feet of storage in Chatfield between the elevations 5432 and 5444 msl for M&I water supply and other purposes including agriculture, environmental restoration, and recreation and fishery habitat protection and enhancement. Project participants completed the Project's Fish, Wildlife and Recreation Mitigation Plan, in accordance with C.R.S. 37-60-122.2 in January 2014.



**CWCB Water Project Loan Program
Project Data Sheet**

C150404

Borrower: Castle Pines North
Metropolitan District

County: Douglas

Project Name: Chatfield Reallocation Project

Project Type: Reservoir Storage

Drainage Basin: South Platte

Water Source: South Platte River
Plum Creek

Total Project Cost: \$7,100,000

Funding Source: Severance Tax Perpetual
Base Fund

Type of Borrower: High-income Municipal

Average Annual Delivery: 1,300 AF

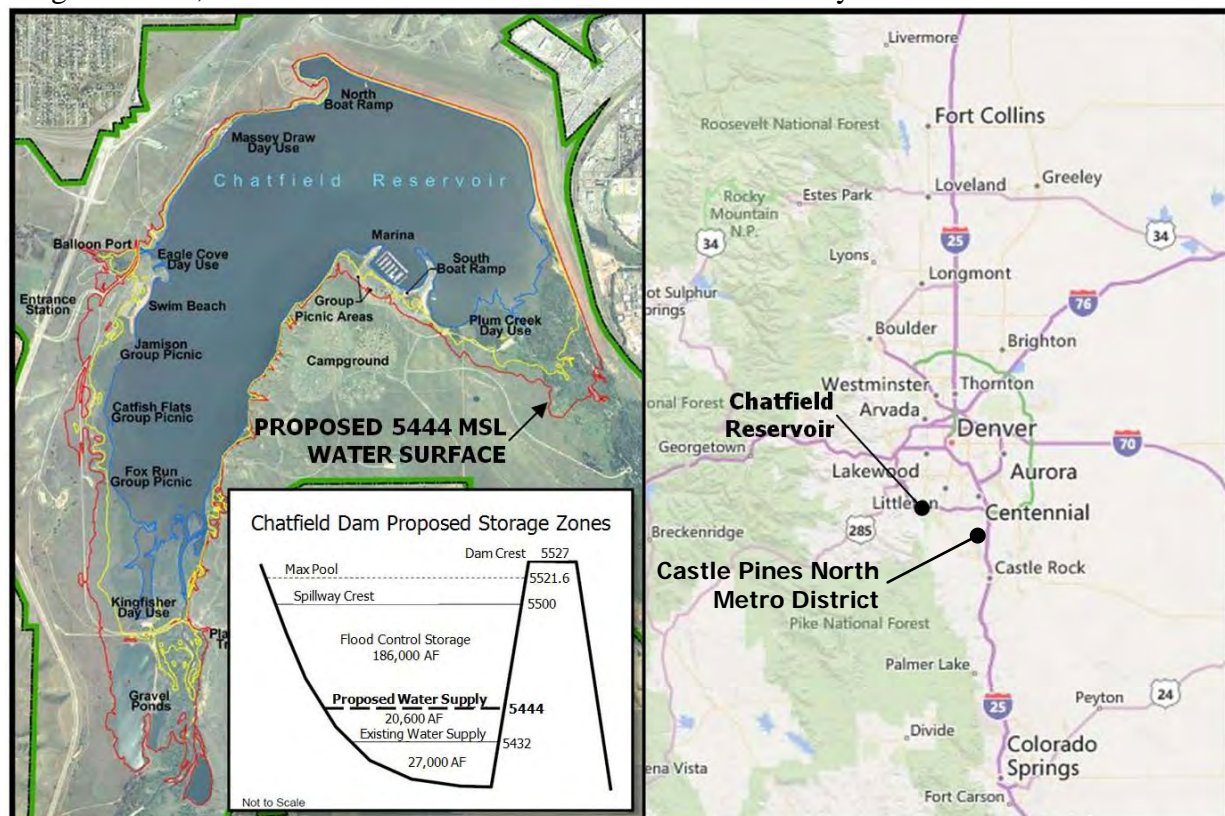
Added Water Supply Storage: 1005.8 AF

CWCB Loan: \$6,453,900 (with 1% service fee)

Interest Rate: 3.0% **Term:** 30-years

The Castle Pines North Metropolitan District provides water and wastewater services to the residents and businesses in the City of Castle Pines, Douglas County. The District is participating in the Chatfield Reallocation Project in order to increase the permanence and reliability of its water supply. Successful completion of the Project would result in the District securing renewable water rights that on average would supply 32% of its average annual water demand. Of the 20,600 acre-feet proposed to be reallocated, the District would receive 1005.8 acre-feet of storage, or 4.88% of the total reallocation. The District will use Chatfield storage through exchanges as authorized in water court Case Nos. 04CW308 and 09CW279.

The US Army Corps of Engineers issued the Project's Feasibility Report and Environmental Impact Statement (FR/EIS) in July 2013 and a Record of Decision is expected in 2014. The Selected Alternative recommended in the Final FR/EIS will provide 20,600 acre-feet of storage in Chatfield between the elevations 5432 and 5444 msl for M&I water supply and other purposes including agriculture, environmental restoration, and recreation and fishery habitat protection and enhancement. Project participants completed the Project's Fish, Wildlife and Recreation Mitigation Plan, in accordance with C.R.S. 37-60-122.2 in January 2014.

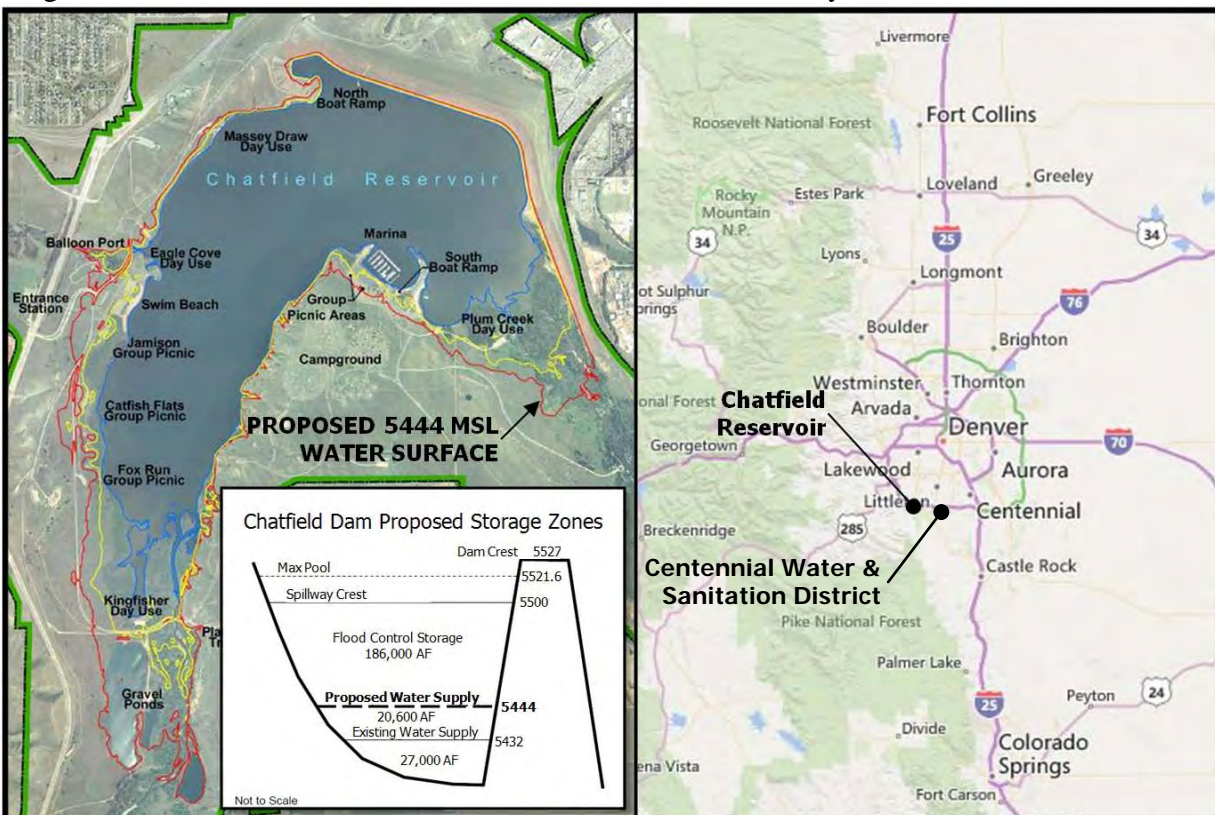


**CWCB Water Project Loan Program
Project Data Sheet**

C150405**Borrower:** Centennial Water & Sanitation District **County:** Douglas**Project Name:** Chatfield Reallocation Project**Project Type:** Reservoir Storage**Drainage Basin:** South Platte**Water Source:** South Platte River
Plum Creek**Total Project Cost:** \$48,888,000**Funding Source:** Severance Tax Perpetual
Base Fund**Type of Borrower:** High-income Municipal**Average Annual Delivery:** 17,500 AF**Added Water Supply Storage:** 6,922.1 AF**CWCB Loan:** \$44,440,000 (with 1% service fee) **Interest Rate:** 3.0% **Term:** 30-years

The Centennial Water & Sanitation District provides water and wastewater services to the residents and businesses of Highlands Ranch in Douglas County. The District is participating in the Chatfield Reallocation Project in order to increase the permanence and reliability of its water supply. Successful completion of the Project would result in the District securing renewable water rights that on average would supply 16% of its average annual water demand. Of the 20,600 acre-feet proposed to be reallocated, the District would receive 6,922.1 acre-feet of storage, or 33.6% of the total reallocation. The District will store Chatfield water in accordance with water court Case Nos. 83CW184, 84CW411, and 85CW314.

The US Army Corps of Engineers issued the Project's Feasibility Report and Environmental Impact Statement (FR/EIS) in July 2013 and a Record of Decision is expected in 2014. The Selected Alternative recommended in the Final FR/EIS will provide 20,600 acre-feet of storage in Chatfield between the elevations 5432 and 5444 msl for M&I water supply and other purposes including agriculture, environmental restoration, and recreation and fishery habitat protection and enhancement. Project participants completed the Project's Fish, Wildlife and Recreation Mitigation Plan, in accordance with C.R.S. 37-60-122.2 in January 2014.



**CWCB Water Project Loan Program
Project Data Sheet**

C150406

Borrower: Center of Colorado Water
Conservancy District

County: Park

Project Name: Chatfield Reallocation Project

Project Type: Reservoir Storage

Drainage Basin: South Platte

Water Source: South Platte River
Plum Creek

Total Project Cost: \$931,000

Funding Source: Severance Tax Perpetual
Base Fund

Type of Borrower: Middle-income Municipal

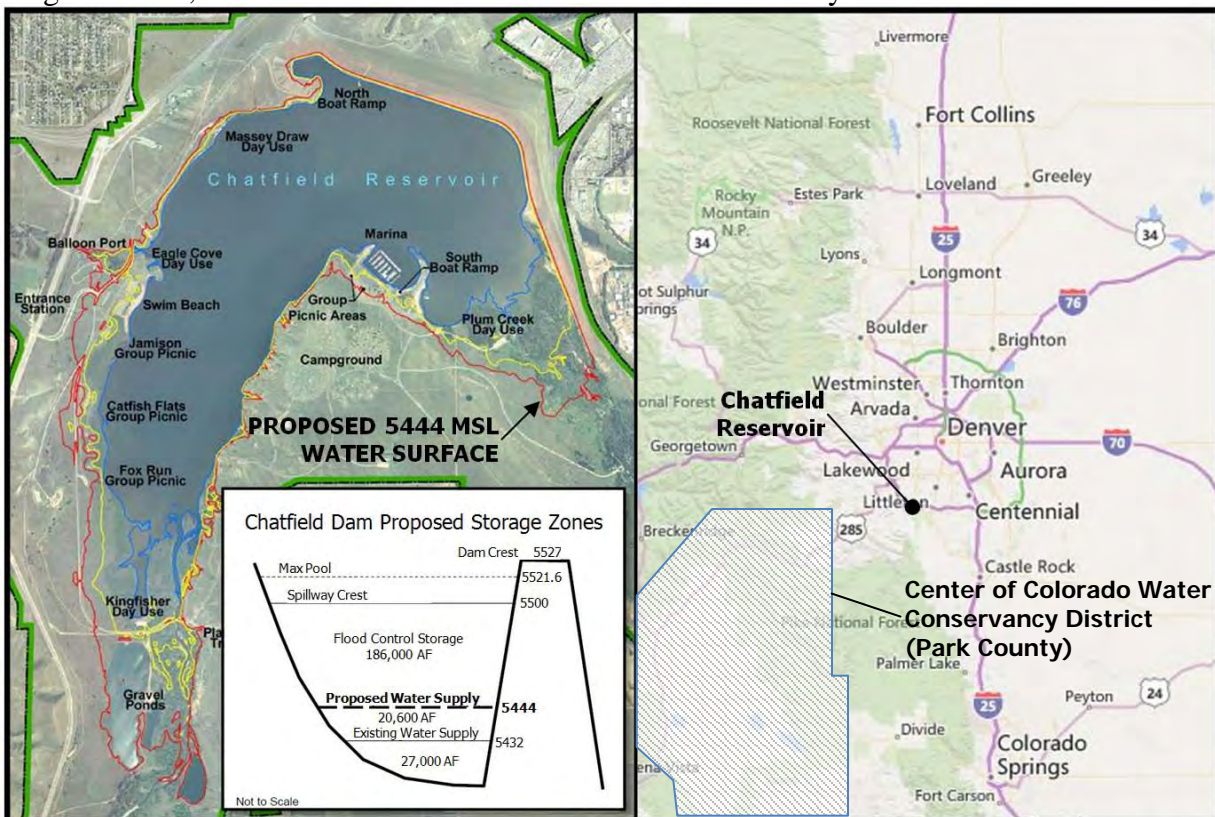
Average Annual Diversion: 700 AF

Added Water Supply Storage: 131.3 AF

CWCB Loan: \$606,000 (with 1% service fee) **Interest Rate:** 2.5% **Term:** 15-years

The Center of Colorado Water Conservancy District co-owns and manages a blanket augmentation plan with the Upper South Platte Water Conservancy District through the Headwater Authority of the South Platte. The District is participating in the Chatfield Reallocation Project in order to improve its augmentation operations by needed storage space at the lower reaches of its augmentation plan. Of the 20,600 acre-feet proposed to be reallocated, the District would receive 131.3 acre-feet of storage, or 0.64% of the total reallocation. The District will use Chatfield storage to store senior and junior rights as authorized in water court Case Nos. 12CW50 and 13CW3148.

The US Army Corps of Engineers issued the Project's Feasibility Report and Environmental Impact Statement (FR/EIS) in July 2013 and a Record of Decision is expected in 2014. The Selected Alternative recommended in the Final FR/EIS will provide 20,600 acre-feet of storage in Chatfield between the elevations 5432 and 5444 msl for M&I water supply and other purposes including agriculture, environmental restoration, and recreation and fishery habitat protection and enhancement. Project participants completed the Project's Fish, Wildlife and Recreation Mitigation Plan, in accordance with C.R.S. 37-60-122.2 in January 2014.



**CWCB Water Project Loan Program
Project Data Sheet**

C150407

Borrower: Central Colorado Water
Conservancy District

County: Adams, Weld

Project Name: Chatfield Reallocation Project

Project Type: Reservoir Storage

Drainage Basin: South Platte

Water Source: South Platte River
Plum Creek

Total Project Cost: \$28,170,000

Funding Source: Severance Tax Perpetual
Base Fund

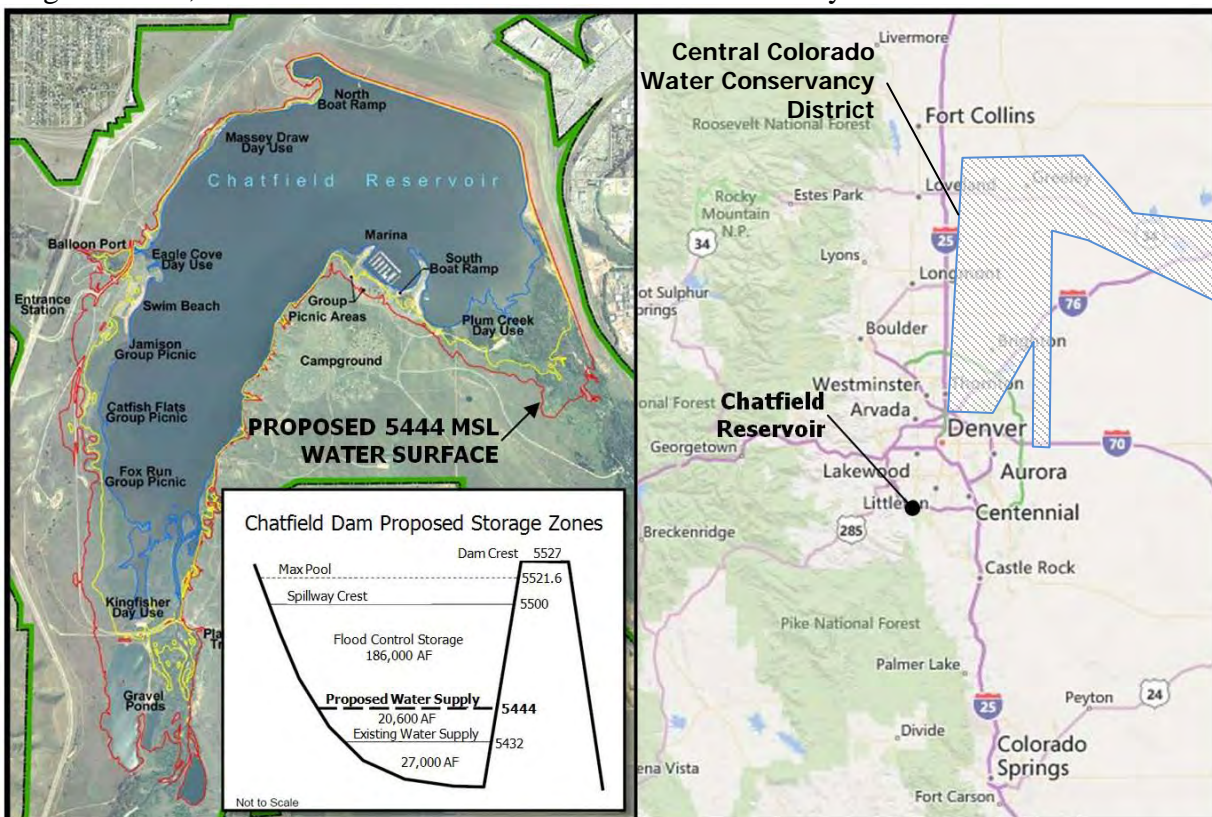
Type of Borrower: Agricultural

Average Annual Delivery: 24,600 AF
Added Water Supply Storage: 4,274 AF

CWCB Loan: \$28,451,700 (with 1% service fee) **Interest Rate:** 1.75% **Term:** 30-years

The Central Colorado Water Conservancy District is located in the South Platte River basin between Denver and Fort Morgan including Beebe Draw, and the lower portions of the Box Elder Creek and Lost Creek drainages. Approximately 210,000 acres of irrigated agricultural lands are served by the District. The District is participating in the Chatfield Reallocation Project to increase the availability of augmentation water for users within its District. Of the 20,600 acre-feet proposed to be reallocated, the District would receive 4,274 acre-feet of storage, or 20.75% of the total reallocation. The location of Chatfield provides the ability to replace well depletions to all locations within the District.

The US Army Corps of Engineers issued the Project's Feasibility Report and Environmental Impact Statement (FR/EIS) in July 2013 and a Record of Decision is expected in 2014. The Selected Alternative recommended in the Final FR/EIS will provide 20,600 acre-feet of storage in Chatfield between the elevations 5432 and 5444 msl for M&I water supply and other purposes including agriculture, environmental restoration, and recreation and fishery habitat protection and enhancement. Project participants completed the Project's Fish, Wildlife and Recreation Mitigation Plan, in accordance with C.R.S. 37-60-122.2 in January 2014.



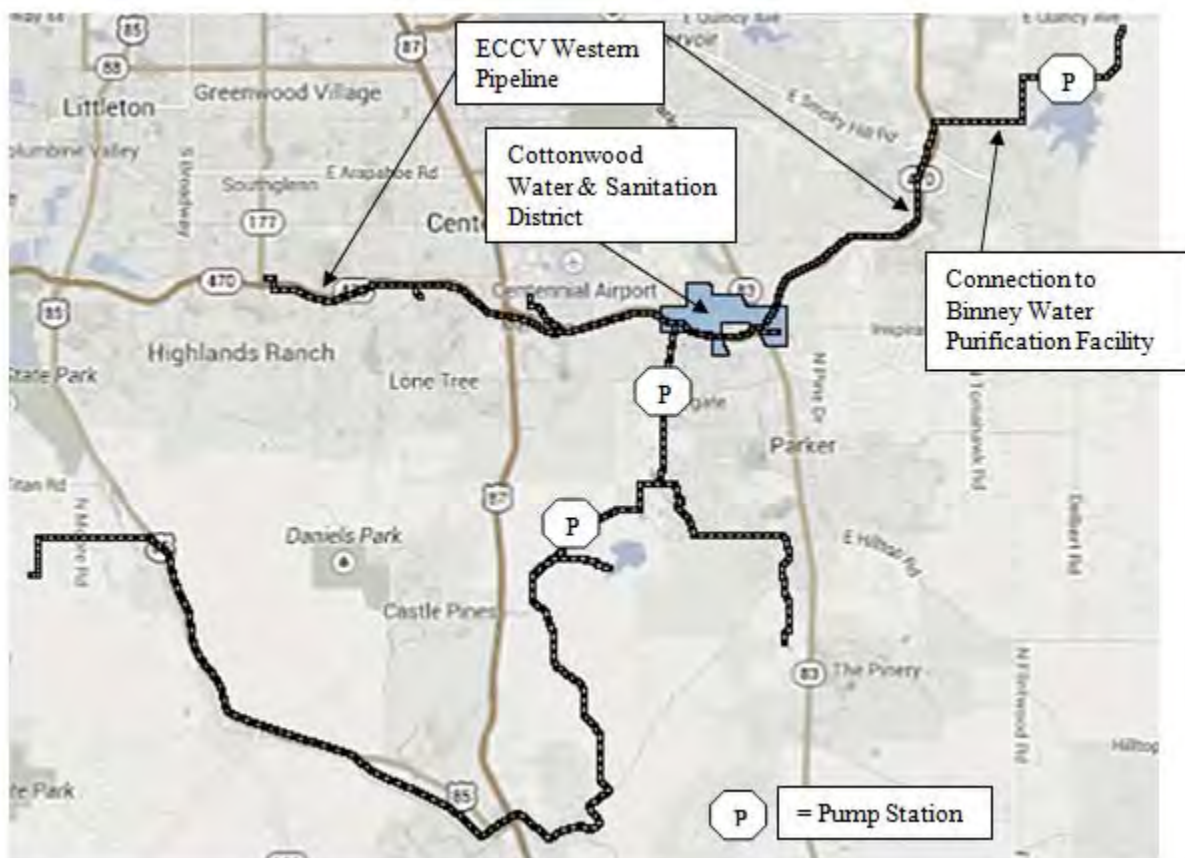
**CWCB Water Project Loan Program
Project Data Sheet**

C150408**Borrower:** Cottonwood Water & Sanitation District**County:** Douglas & Arapahoe**Project Name:** Water Infrastructure and Supply (WISE) Efficiency Project**Project Type:** New Water Supply**Drainage Basin/ District:** South Platte / 8**Water Source:** South Platte**Total Project Cost:** \$4,960,000**Funding Source:** Construction Fund**Type of Borrower:** High-Income Municipal**Average Annual Delivery:** 789 AF**CWCB Loan:** \$4,508,640 (with 1% service fee) **Interest Rate:** 3.00% **Term:** 30 years

In 1981, the Cottonwood Water & Sanitation District was formed, pursuant to Title 32 C.R.S., to provide water supply and treatment systems for customers within its service area.

Cottonwood's local project infrastructure components will extend from an existing tee located on the ECCV Western Pipeline, where a below-grade vault with flow control and metering equipment will be installed. From this location 500 feet of 36-inch pipe will be installed to connect to an existing Cottonwood pipeline. In addition, Cottonwood will also participate in a Rueter-Hess Reservoir fill pipeline and pump station being constructed by Parker.

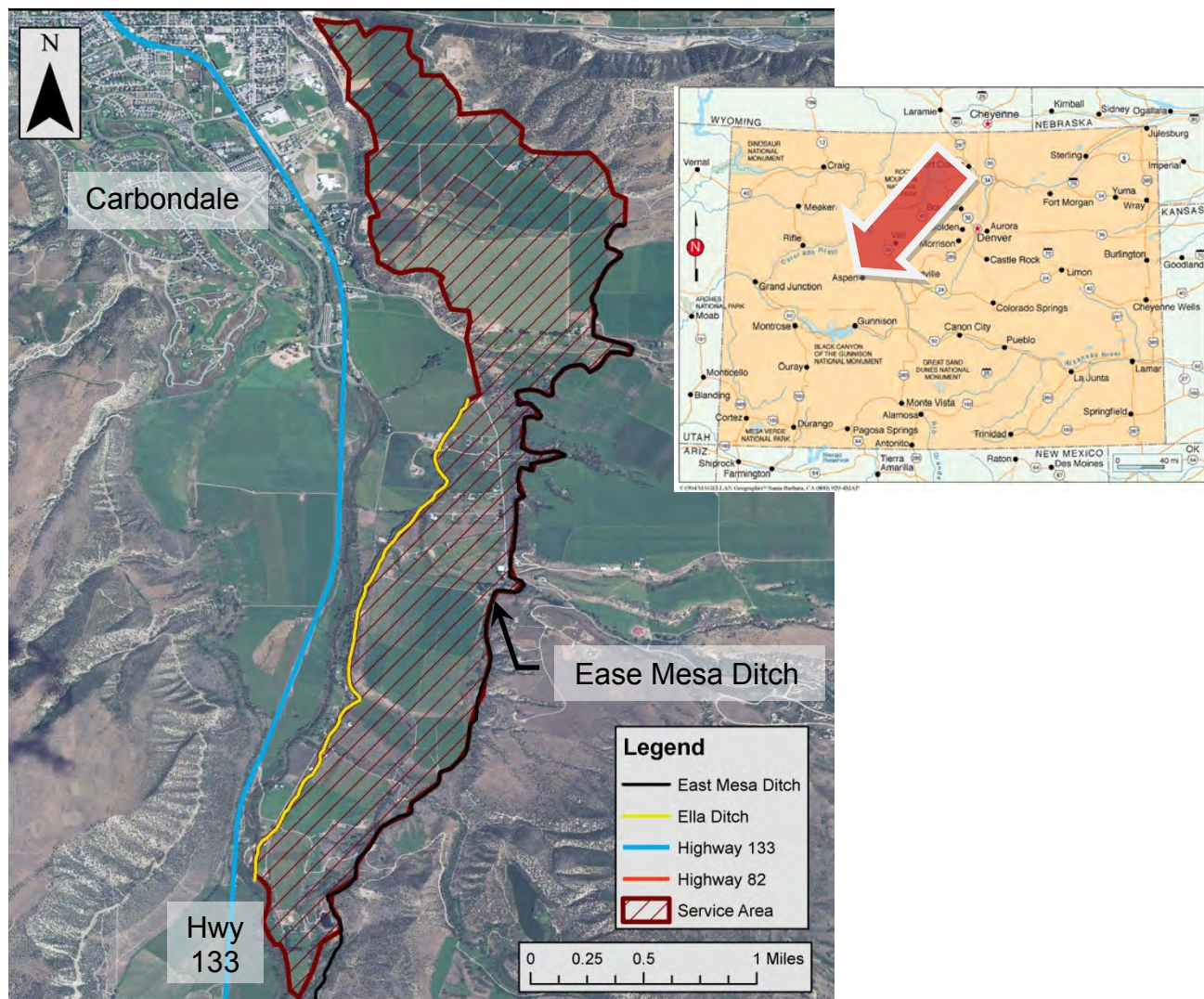
The WISE Project is the result of regional cooperative planning efforts between Denver Water, Aurora Water, and 10 regional water providers in the south metropolitan area. The South Metro WISE Authority (WISE Authority) is comprised of ten governmental water providers in Douglas and Arapahoe Counties bound together by a 2013 Intergovernmental Agreement. The WISE Project will reduce dependence on non-renewable groundwater resources.



CWCB Water Project Loan Program Project Data Sheet

C150360**Borrower:** East Mesa Water Company**County:** Pitkin, Garfield**Project Name:** Ditch Piping Project**Project Type:** Ditch Rehabilitation**Drainage Basin/District:** Colorado/38**Water Source:** Crystal River**Total Project Cost:** \$550,000**Funding Source:** Construction Fund, NRCS**Type of Borrower:** Agricultural**Average Annual Diversion:** 9,669AF**CWCB Loan:** \$555,500 (initial loan)
\$255,500 (long term - post construction loan w/service fee)**Interest Rate:** 1.75% **Term:** 30yr

This Company is located in the Crystal River Valley in the western portion of Pitkin County and provides irrigation water diverted out of the Crystal River. The earthen ditch enters a 650 foot long rock tunnel that is collapsing. The Company is working with the NRCS to realign the ditch to avoid the tunnel by putting the ditch into a new 1,450 foot HDPE pipe. The Company serves 12 shareholders and is primarily used to grow hay and forage crops for cattle ranching. The Company is approved for grant funding from NRCS and construction is anticipated to occur in the fall of 2013.

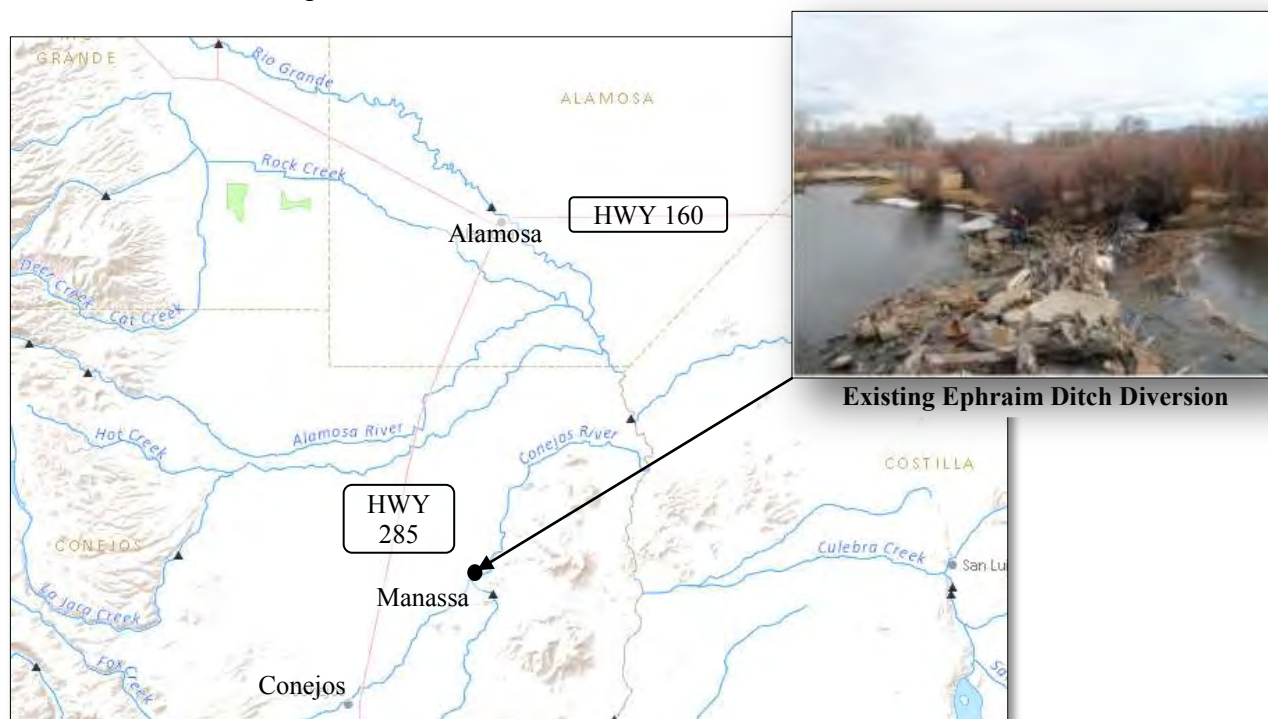


**CWCB Water Project Loan Program
Project Data Sheet**

C150402**Borrower:** The Ephraim Ditch Company**County:** Rio Grande**Project Name:** Ephraim Diversion and
Headgate Rehabilitation**Project Type:** Ditch Rehabilitation**Drainage Basin/ District:** Rio Grande / 22**Water Source:** Conejos River**Total Project Cost:** \$201,500**Funding Source:** Construction Fund,
WSRA Grants**Type of Borrower:** Agricultural**Average Annual Diversion:** 4,100 AF**CWCB Loan:** \$101,000
(with 1% service fee)**Interest Rate:** 1.75% **Term:** 30-years

The Ephraim Ditch Company formed in 1883 and incorporated in 1927 as a Mutual Ditch Company. Its diversion is located on the Conejos River just below the confluence with the San Antonio River and a service area covering approximately 5,000 irrigated acres. The purpose of this Project is to address the need for a well-designed diversion structure that will reduce maintenance, improve water management efficiencies, and allow for the accurate control of compact-entitled waters. The core of the Ephraim Ditch diversion structure has been washed away over time, contributing to decades of limited diversion to irrigators and potential over payment to the Compact. Currently irrigators divert their water right by piling debris such as tree trunks or cinderblocks to act as the diversion dam. This Project will remove and replace the diversion and headgate structure and install automated headgates and five gauging stations. Construction is expected to start around July 2015.

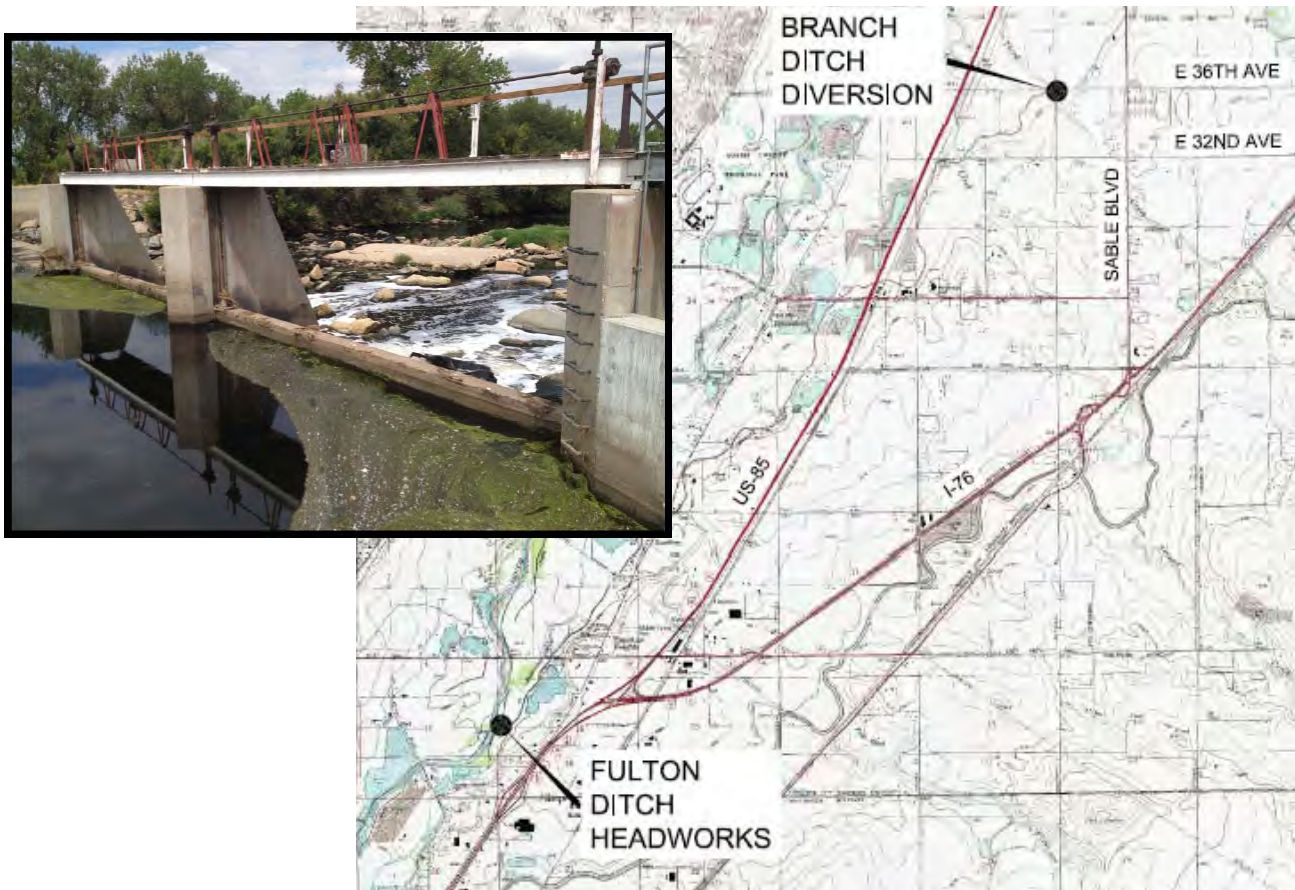
This Project is one of three projects collectively known as the Conejos River System Confluence Management Project, managed by the Conejos Water Conservancy District. The District has taken a proactive “whole river” system approach to water management and, over the past few years, has improved the efficiency and stability of many diversions, developed real-time water management data, and studied the effects on return flows from irrigated areas from groundwater withdrawals. The Confluence Management Project will extend this whole river strategy to the Confluence, specifically to the Sanford Canal, Ephraim Ditch, and East Bend Ditch.



**CWCB Water Project Loan Program
Project Data Sheet**

C150399**Borrower:** Fulton Irrigation Ditch Company**County:** Adams**Project Name:** Diversion Structure Rehabilitation Project**Project Type:** Diversion Rehabilitation**Drainage Basin/ District:** South Platte / 2**Water Source:** South Platte River**Total Project Cost:** \$2,230,000**Funding Source:** Construction Fund**Type of Borrower:** Blended**Average Annual Diversion:** 29,684 AF**CWCB Loan:** \$2,027,070
(with 1% service fee)**Interest Rate:** 2.45% **Term:** 30-years

The purpose of the Project is to replace the Company's South Platte River diversion gates and rehabilitate the existing trash rack. The Project will also include the reconstruction of the Branch Ditch Diversion Structure on the Fulton Ditch. The Company diverts South Platte River water near 100th Ave. in Commerce City to a 38,000 acre service area. Sago pond weed in the South Platte River has escalated and is beginning to obstruct the flow of water through the existing trash rack. Construction is expected to occur in the fall/winter of 2014/2015.



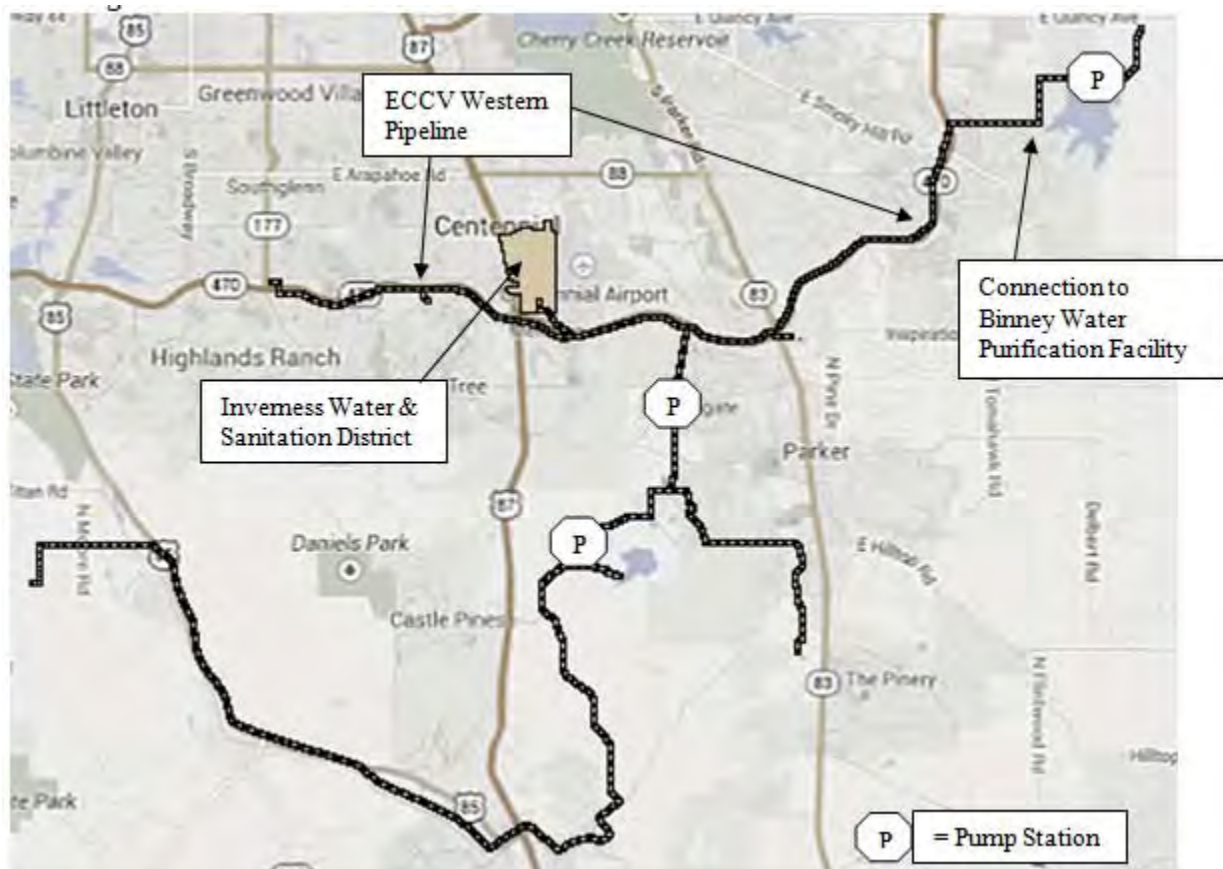
**CWCB Water Project Loan Program
Project Data Sheet**

C150409**Borrower:** Inverness Water & Sanitation District**County:** Douglas & Arapahoe**Project Name:** Water Infrastructure and Supply (WISE) Efficiency Project**Project Type:** New Water Supply**Drainage Basin/ District:** South Platte / 8**Water Source:** South Platte**Total Project Cost:** \$5,400,000**Funding Source:** Construction Fund**Type of Borrower:** High-Income Municipal**Average Annual Delivery:** 1,100 AF**CWCB Loan:** \$4,908,600 (with 1% service fee) **Interest Rate:** 2.75% **Term:** 20 years

In 1973, Inverness was formed pursuant to Article 1 of Title 32 C.R.S. to provide water supply and treatment systems for the customers within their service area.

Inverness will have a connection to the East Cherry Creek Valley (ECCV) Western Pipeline near the intersection of South Jamaica Street and E-470. Immediately downstream of the connection will be a below-grade vault with flow control and metering equipment. Downstream of the vault will be approximately 1,800 feet of 10-inch pipe to connect to the existing Inverness distribution system.

The WISE Project is the result of regional cooperative planning efforts between Denver Water, Aurora Water, and 10 regional water providers in the south metropolitan area. The South Metro WISE Authority (WISE Authority) is comprised of ten governmental water providers in Douglas and Arapahoe Counties bound together by a 2013 Intergovernmental Agreement. The WISE Project will reduce dependence on non-renewable groundwater resources.



**CWCB Water Project Loan Program
Project Data Sheet**

C150396

Borrower: Northern Colorado Water Conservancy **County:** Grand
District, hydropower enterprise

Project Name: Granby Hydropower Project

Project Type: Hydroelectric

Drainage Basin/ District: Colorado / 51

Water Source: Colorado River

Total Project Cost: \$5,669,340

Funding Source: Severance Tax PBF

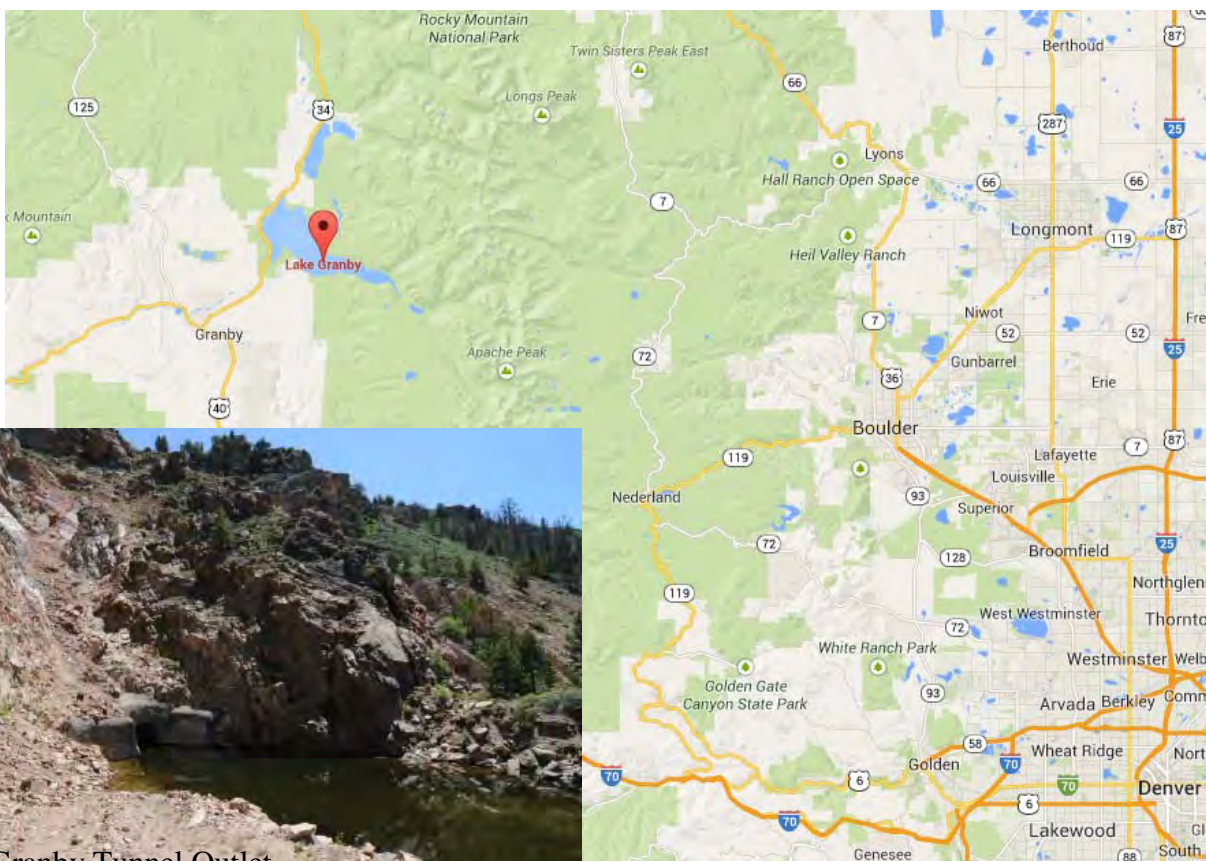
Type of Borrower: Hydroelectric

Average Annual Diversion: 210,000 AF

CWCB Loan: \$5,135,183
(with 1% service fee)

Interest Rate: 2.0% **Term:** 30 years

Northern Water, acting by and through its hydropower enterprise, is applying for a loan for the construction of the Granby Hydropower Project. The Project is located at the existing Colorado – Big Thompson Project Granby Dam and will utilize the existing releases to the Colorado River without changing the flow regime. The hydro station will use the minimum streamflow obligations and a portion of additional releases to generate power through a 1.2-megawatt facility. The Project is being performed under the U.S. Bureau of Reclamation's Lease of Power Privilege (LOPP) process. Power generated will be purchased by Mountain Parks Electric, Inc. per a 30-year Power Purchase Agreement (PPA). The anticipated Project schedule is to finalize the LOPP and PPA by October 2014. Construction will occur in the summer/fall of 2015 and is expected to be operational by May 2016.



Lake Granby Tunnel Outlet

**CWCB Water Project Loan Program
Project Data Sheet**

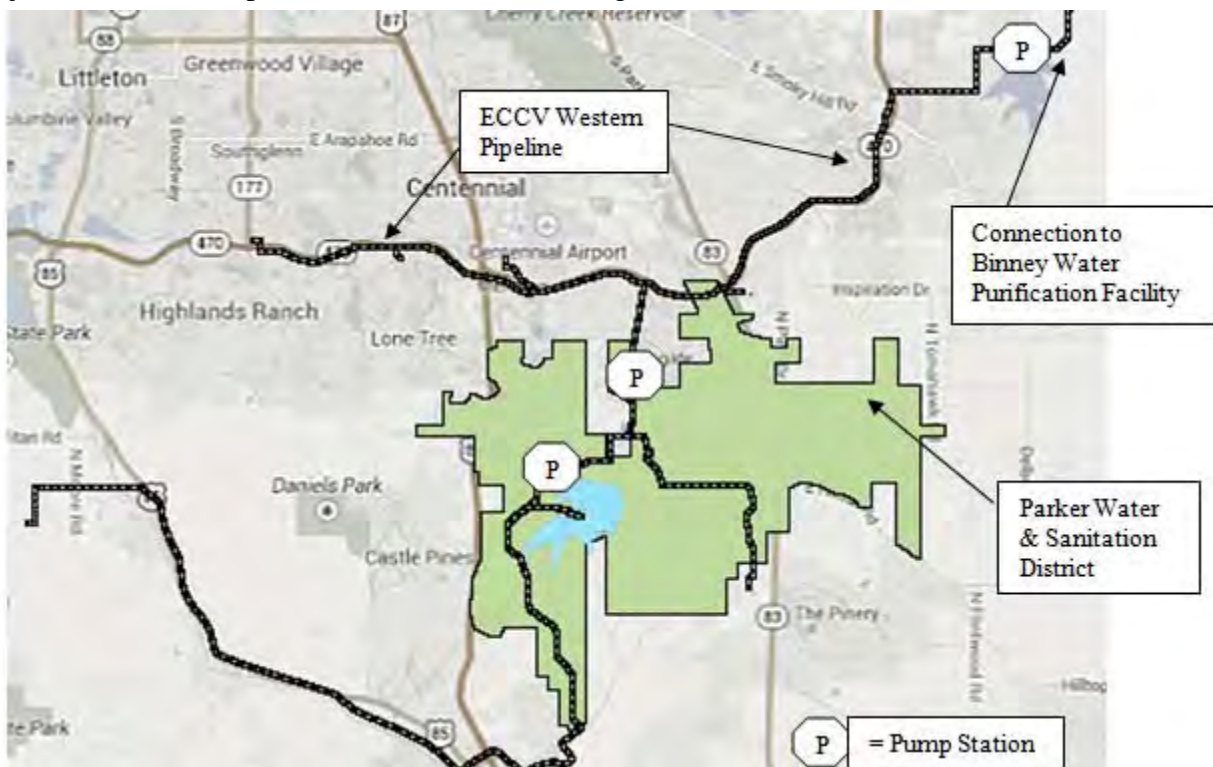
C150410

Borrower: Parker Water & Sanitation District	County: Douglas & Arapahoe
Project Name: Water Infrastructure and Supply (WISE) Efficiency Project	Project Type: New Water Supply
Drainage Basin/ District: South Platte / 8	Water Source: South Platte
Total Project Cost: \$17,305,500	Funding Source: Construction Fund
Type of Borrower: High-income Municipal	Average Annual Delivery: 5,000 AF
CWCB Loan: \$15,734,790 (with 1% service fee) Interest Rate: 2.75% Term: 20 years	

Parker Water and Sanitation District is a quasi-municipal corporation and political subdivision of the State of Colorado created in 1962 in Douglas County, for the purpose of providing water and sanitary sewer services its users.

Parker will take the lead on construction of 20,300 feet of new 42-inch pipeline from near the intersection of Chambers Road and E-470 to the Parker Water Treatment Plant located just south of Rueter-Hess Reservoir. Southward from the treatment plant a 16.5 million gallons per day pumping station will be constructed, followed by 9,000 feet of new 24-inch pipe that will allow WISE water to be conveyed to Rueter-Hess Reservoir for storage. Parker's facilities will oversized for use by other WISE Authority members.

The WISE Project is the result of regional cooperative planning efforts between Denver Water, Aurora Water, and 10 regional water providers in the south metropolitan area. The South Metro WISE Authority (WISE Authority) is comprised of ten governmental water providers in Douglas and Arapahoe Counties bound together by a 2013 Intergovernmental Agreement. The WISE Project will reduce dependence on non-renewable groundwater resources.



**CWCB Water Project Loan Program
Project Data Sheet**

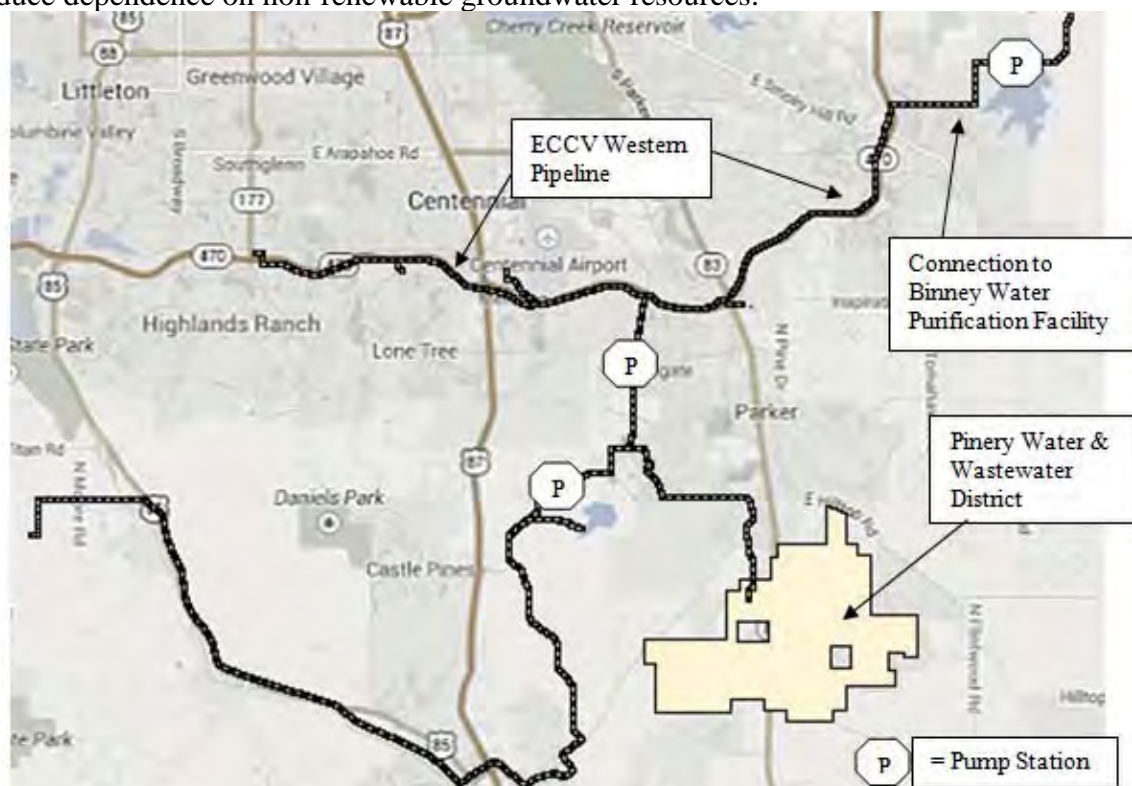
C150411

Borrower: Denver Southeast Suburban Water and Sanitation District (dba Pinery Water and Wastewater District)	County: Douglas
Project Name: Water Infrastructure and Supply (WISE) Efficiency Project	Project Type: New Water Supply
Drainage Basin/ District: South Platte / 8	Water Source: South Platte
Total Project Cost: \$10,920,000	Funding Source: Construction Fund
Type of Borrower: High-income Municipal	Average Annual Delivery: 2,837 AF
CWCB Loan: \$9,926,280 (with 1% service fee)	Interest Rate: 3.00% Term: 30 years

In 1965, the District was formed as the Denver Southeast Suburban Water and Sanitation District. The District has been providing water and wastewater services since 1971 to its predominately residential customers.

The District will participate in Parker's WISE infrastructure components including 20,300 feet of new 42-inch pipeline from near the intersection of Chambers Road and E-470 to the Parker Water Treatment Plant located just south of Reuter-Hess Reservoir. At the Parker Water Treatment Plant site a new 16.5 million gallons per day pumping station will be constructed. Downstream of the pumping station 9,000 feet of new 24-inch pipe will be constructed that will allow WISE water to be conveyed to Reuter-Hess Reservoir for storage. In addition, Pinery will construct about 6,200 feet of 12-inch pipeline to deliver water to an existing finished water distribution system pumping station.

The WISE Project is the result of regional cooperative planning efforts between Denver Water, Aurora Water, and 10 regional water providers in the south metropolitan area. The South Metro WISE Authority (WISE Authority) is comprised of ten governmental water providers in Douglas and Arapahoe Counties bound together by a 2013 Intergovernmental Agreement. The WISE Project will reduce dependence on non-renewable groundwater resources.



**CWCB Water Project Loan Program
Project Data Sheet**

Attachment 6
C150401

Borrower: The Sanford Canal Company

County: Rio Grande

Project Name: Sanford Diversion and
Headgate Rehabilitation

Project Type: Ditch Rehabilitation

Drainage Basin/ District: Rio Grande / 22

Water Source: Conejos River

Total Project Cost: \$213,000

Funding Source: Construction Fund,
WSRA Grants

Type of Borrower: Agricultural

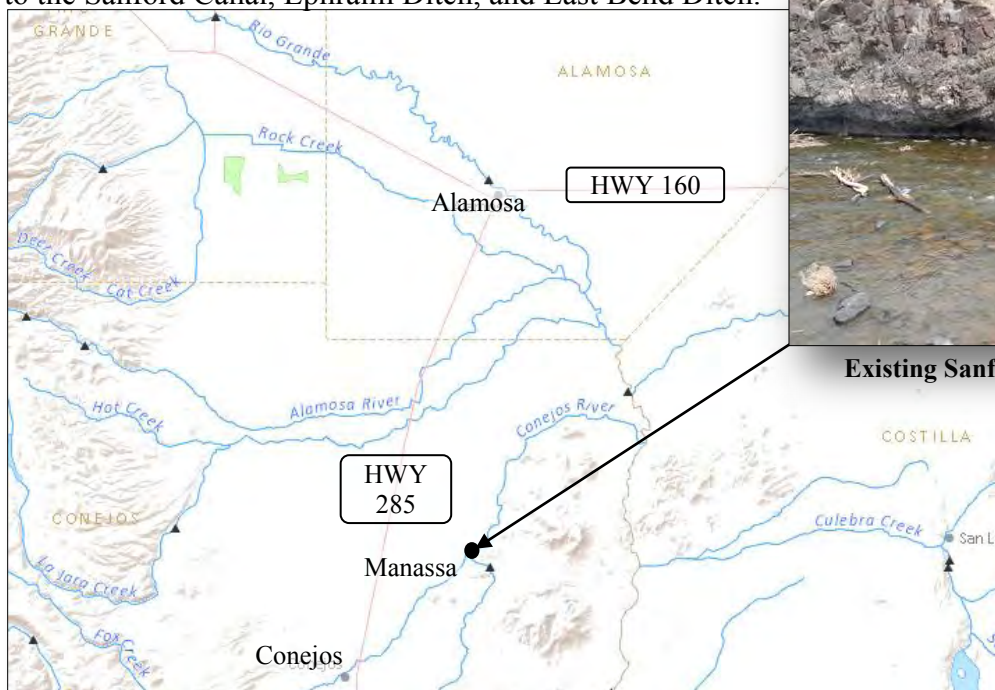
Average Annual Diversion: 4,000 AF

CWCB Loan: \$101,000
(with 1% service fee)

Interest Rate: 1.75% **Term:** 30-years

The Sanford Canal Company was incorporated in 1892 as a “Colorado Water Company” and later became a Mutual Ditch Company in 1912. Its diversion is located on the Conejos River just below the confluence with the San Antonio River and has a service area covering approximately 3,000 irrigated acres. The purpose of this Project is to address the need for a well-designed diversion structure that will reduce maintenance, improve water management efficiencies, and allow for the accurate control of compact-entitled waters. The core of the Sanford Canal diversion structure has been washed away over time, contributing to decades of limited diversion to irrigators and potential over payment to the Compact. Currently irrigators divert their water right by piling debris such as tree trunks or cinderblocks to act as the diversion dam. This Project will remove and replace the diversion and headgate structures and install automated headgates and four gauging stations. Construction is expected to start by September 2014.

This Project is one of three projects collectively known as the Conejos River System Confluence Management Project, managed by the Conejos Water Conservancy District. The District has taken a proactive “whole river” system approach to water management and over the past few years have improved the efficiency and stability of many diversions, developed real-time water management data, and studied the effects on return flows from irrigated areas from groundwater withdrawals. The Confluence Management Project will extend this whole river strategy to the Confluence, specifically to the Sanford Canal, Ephraim Ditch, and East Bend Ditch.

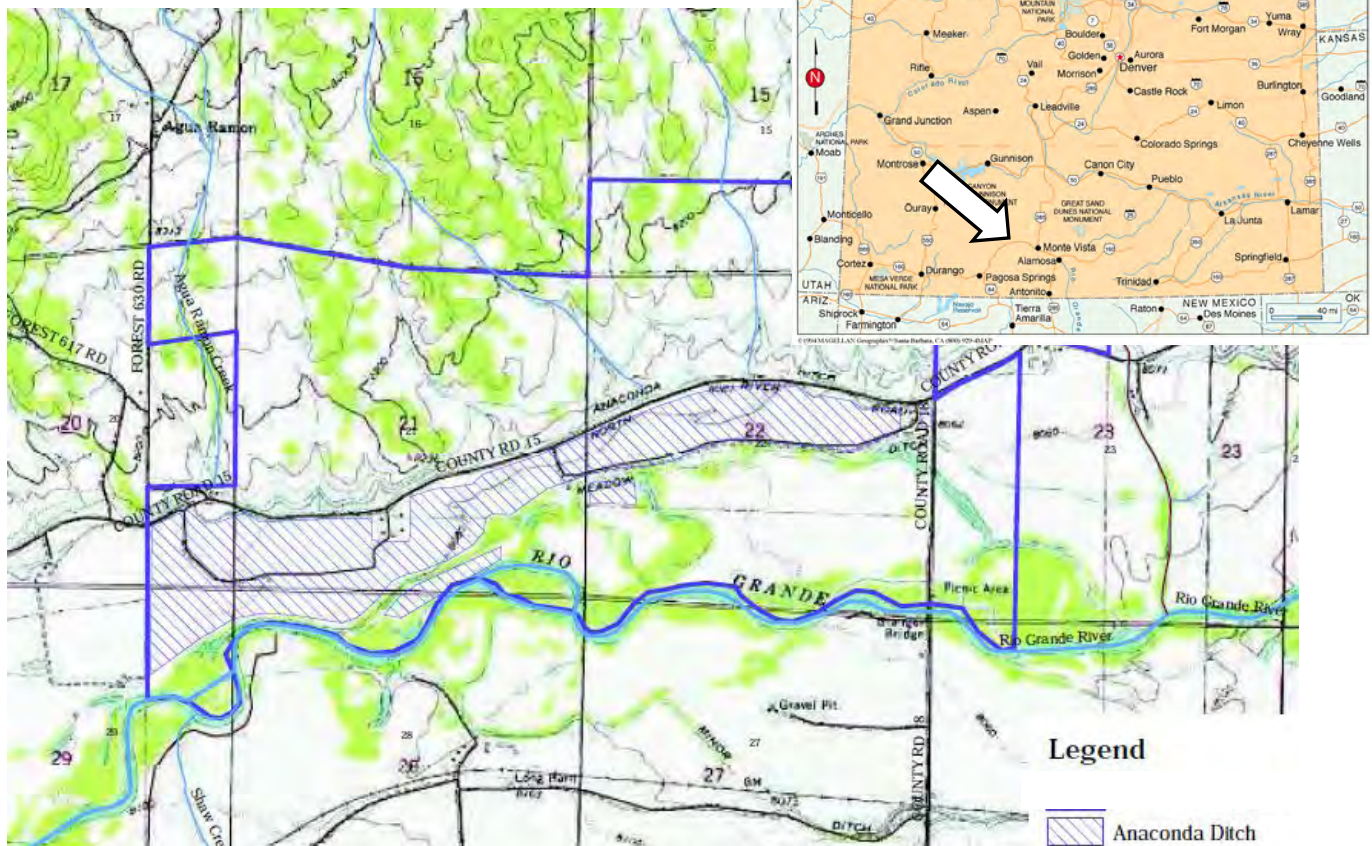


Existing Sanford Ditch Diversion

Water Project Loan Program - Project Data Sheet

Borrower: San Luis Valley Water Conservancy District	County: Alamosa
Project Name: Anaconda Ditch Water Right Acquisition	Project Type: Water Rights
Drainage Basin / District: Rio Grande / 20	Water Source: Rio Grande River
Total Project Cost: \$923,000	Funding Sources: Construction Fund
Type of Borrower: Municipal Low Income	Average Delivery: 386 acre-feet
CWCB Loan: \$839,000 (Including 1% fee)	Interest Rate: 2.5% Term: 30 years

The San Luis Valley Water Conservancy District (District) operates an augmentation program servicing portions of Rio Grande, Alamosa, Saguache, Hinsdale and Mineral Counties. The augmentation program was developed to offset river depletions from wells serving residential and commercial uses in the area. The District intends to acquire additional water rights to add to its existing program, including the subject of this loan request, the Anaconda Ditch water rights. The District is purchasing a 58% interest in the ditch providing an estimated 260 acre-feet. The purchase will be finalized once the water rights have been through water court. The decree is expected in the fall of 2013.



Borrower: SECWCD - Enterprise

County: Pueblo, Crowley, Otero, Bent, Prowers

Project Name: Arkansas Valley Conduit

Project Type: Water Supply Pipeline

Drainage Basin: Arkansas

Water Source: Arkansas – Fry-Ark Project

Total Project Cost: \$300,000,000

Funding Sources: CWCB, Federal

Type of Borrower: Municipal/Low

Aver. Delivery: 6,555 AF (2005 demand)

CWCB Construction Fund Loan: \$60,600,000 **Interest Rate:** 3.25% **Term:** 30 years
(incl. 1% loan fee)

The Arkansas Valley Conduit is designed to bring relatively clean raw water to 41 water providers in the lower Arkansas Valley, who currently either take water from the Arkansas River, and/or pump from shallow and/or deep aquifers. This pumped water has quality problems and requires significant treatment before it meets Clean Drinking Water standards. The conduit will begin at Pueblo Reservoir Dam, where a 30.94 cfs municipal outlet is already in place and reserved for the specific use of the conduit. The conduit will gravity flow approximately 138 miles down the Arkansas River Valley to Lamar. The conduit water will flow by the St. Charles Mesa Water District where it will enter a water filtration plant. As the conduit moves down the valley, spurs will take off the main line to deliver water to local and regional water providers. The conduit will receive its water from the USBR Fryingpan-Arkansas Project. Currently, about 5,779 acre-feet of water per year is available for entities East of Pueblo in an average year. Additionally, Return Flows are retained by the District and can be exchanged back up to Pueblo Reservoir for delivery. These Return Flows can provide up to an additional 1,600 acre-feet of water. Storage is available to these entities in Pueblo Reservoir because they are in the SECWCD service area. This storage will help provide water in the years when less than average water is provided by the Fry-Ark Project. The water will be provided strictly for municipal and industrial purposes. Final chlorination or treatment will be left up to each water provider. The conduit is currently planned to be paid 80% (approximately \$240 million) by the federal government.



Location Map