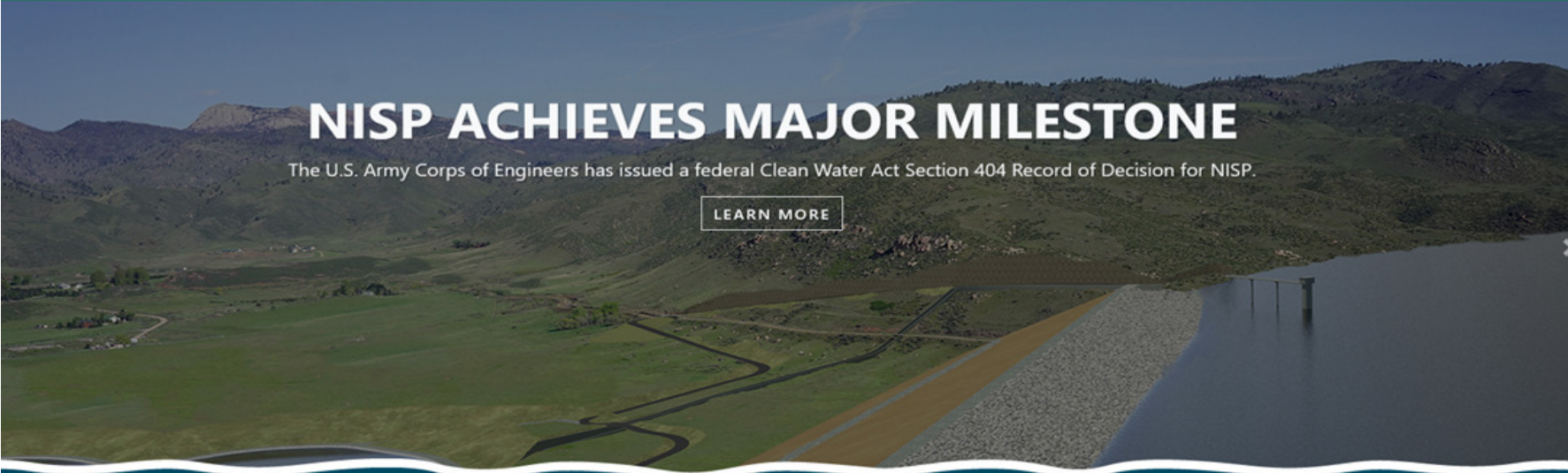




Fund 424

Water Acquisition



NISP ACHIEVES MAJOR MILESTONE

The U.S. Army Corps of Engineers has issued a federal Clean Water Act Section 404 Record of Decision for NISP.

[LEARN MORE](#)



About the Project



Pipeline

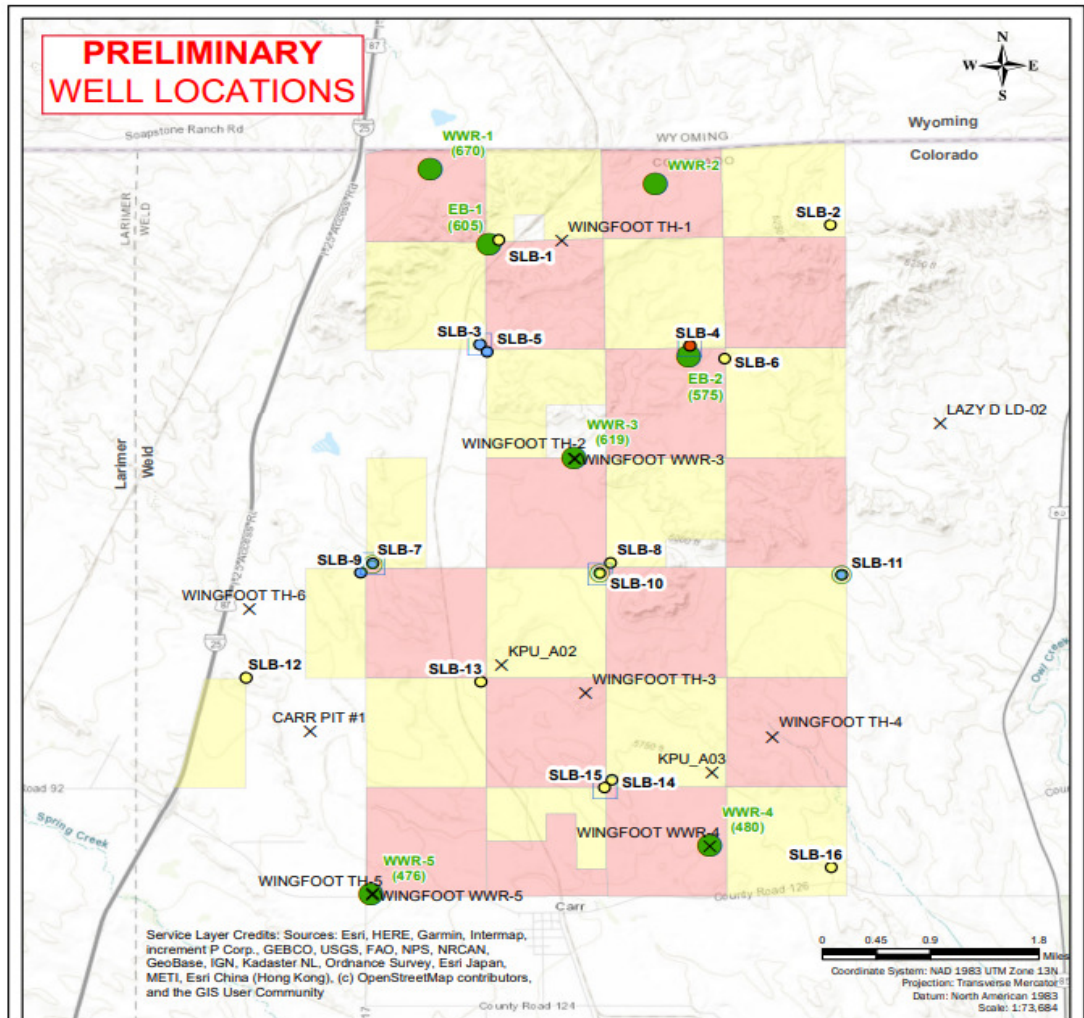


Recreation



WaterSecure





Legend

- | | | |
|--|--|---|
| ● Well Name (Net Sand/Silt in Feet) | ○ Proposed Geophysical Log Locations | ● Fully penetrating entire ULA |
| State Land Board | ○ Multi-Well Test Well | ● Fully penetrating upper ULA |
| Terry Ranch Property | × CDSS Geophysical Logs | ● Partially penetrating upper ULA |

Greeley SLB Well Depth Class





















M&W
 MARTIN AND WOOD
 WATER CONSULTANTS, INC.

538 Commons Drive
 Golden, CO 80401
 (303) 526-2600
 www.martinandwood.com

Figure 1
 Construction of Water Wells and
 Testing of Water Wells on State Land Board Lands
 Location Map of Proposed State Land Board Wells

Job No.: 607.2
 Date: 3/17/2022
 Drawn: CRV



Planning Scenario Name	Climate Warming	Colorado River Basin Impacts	Water Rights Administration	Demand Growth
Unbearable		 High		
Stressed		 Moderate		
Continued Trends		 Moderate		
Optimistic		 Low		
No Climate Change		 Low		

Big Thompson Source Water Assessment and Protection Plan

Project Number:	424New4	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:	Water Rights Acquisition	Regions:	
Fund:	Water Rights Acquisition	Location:	3119 E Eisenhower Blvd, Loveland, CO
Project Manager:	Unassigned	Budget Unit #:	Unassigned
Project Status:	Funded		

Description:

This project is a multi-year, collaborative effort that will support decision making in the protection of Greeley's source water quality in the Big Thompson Watershed. The first phase will

Discussion of Progress:

Project is planned for 2024.

Justification:

Comprehensive source water protection planning is integral to water supply planning as it is an important tool for understanding the threats to a drinking water source, protecting its availability and quality, and thus, safeguarding public health and preserving the value of water rights and water treatment infrastructure owned by the city. A Source Water Assessment and Protection Plan will assist with planning treatment infrastructure upgrades by clearly identifying water quality concerns in the source, from which the most efficient strategies for treatment can be distilled. A robust plan can also reduce treatment costs, prevent contaminated water from entering the distribution system, and increase collaboration through partnerships in the watershed. Greeley has a long, proud history of securing high quality water through acquisition; however, in the face of emerging contaminants and widespread pollution caused by human development, it is of great importance that the quality of Greeley's source water is continuously guarded.

Revenue Detail:

There is some overlap with a recent \$25K grant from the Colorado Department of Public Health and the Environment (CDPHE) received for water quality sampling and planning related to Per- and Polyfluorinated Substances (PFAS) contamination that will be leveraged with the capital funds.

Impact on Operating Budget:

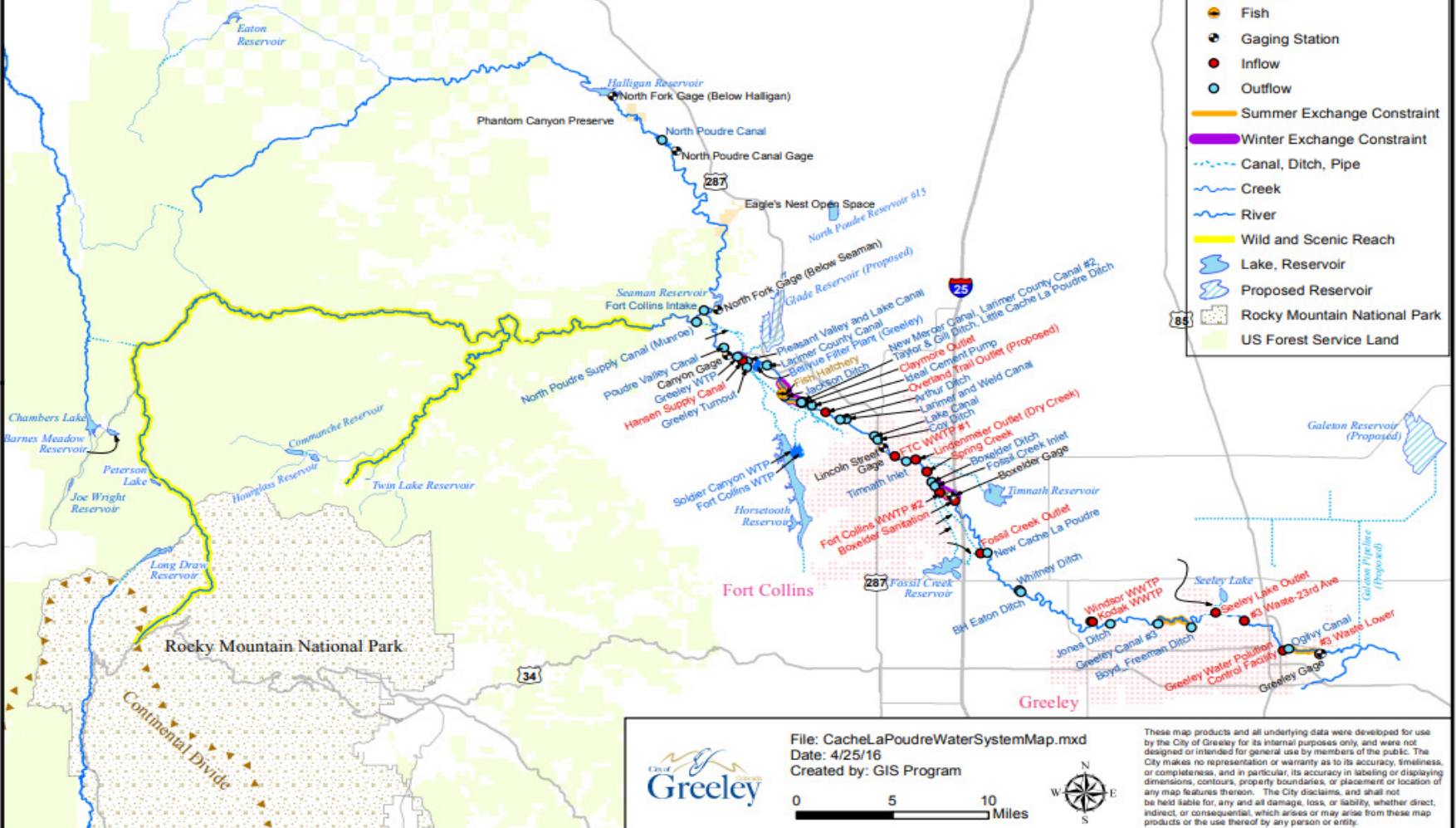
The Source Water Assessment and the Protection Plan will need to be re-evaluated periodically to update with new sources of contamination alongside human development and future research findings, and to ensure its continued applicability.

GL Account	Description	Previous 3 Years	2022 Actual	2023 Revised Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	-	-	-	160,000	-	-	-	8,000	168,000
	Total Revenue	-	-	-	\$160,000	-	-	-	\$8,000	\$168,000
Expense										
8216	Miscellaneous	-	-	-	7,000	-	-	-	-	7,000
8224	Operating Supplies	-	-	-	10,000	-	-	-	-	10,000
8229	Professional Services	-	-	-	85,000	-	-	-	8,000	93,000
8232	Project Management - Labor	-	-	-	48,000	-	-	-	-	48,000
8244	Capital Equipment >\$5,000	-	-	-	10,000	-	-	-	-	10,000
	Total Expense	-	-	-	\$160,000	-	-	-	\$8,000	\$168,000
	Net Total	-	-	-	-	-	-	-	-	-



Cache La Poudre Water System Map

- ### Legend
- Facility
 - Fish
 - Gaging Station
 - Inflow
 - Outflow
 - Summer Exchange Constraint
 - Winter Exchange Constraint
 - Canal, Ditch, Pipe
 - Creek
 - River
 - Wild and Scenic Reach
 - Lake, Reservoir
 - Proposed Reservoir
 - Rocky Mountain National Park
 - US Forest Service Land



File: CacheLaPoudreWaterSystemMap.mxd
 Date: 4/25/16
 Created by: GIS Program



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Colorado Department of Natural Resources
Colorado Water Conservation Board
DQ1 PMAA 2020*0166

July 2020



Alternative Transfer Methods in Colorado

*Status Update, Framework for Continued Support, and
Recommendations for CWCB Action*



Development of Parcel B, Poudre Ponds

Project Number:	12523	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:	Water Rights Acquisition	Regions:	5- Outside City
Fund:	Water Rights Acquisition	Location:	35th Ave. North of F St.
Project Manager:	Ryan Duve	Budget Unit #:	4244401850000000000000
Project Status:	Funded		

Description:

The Poudre Ponds site is an important non-potable water storage facility that enables Greeley to meet return flow obligations to the Poudre River and supplies non-potable water for irrigation needs. Pond B is currently being mined and will require restoration of the pond banks by seeding. The plan is to plant seed after each side has been mined making this a multi-year project. The Poudre Ponds site is an important non-potable water storage facility that enables Greeley to meet return flow obligations to the Poudre River and supplies non-potable water for irrigation needs. Pond B is currently being mined and will require restoration of the pond banks by seeding. The plan is to plant seed after each side has been mined making this a multi-year project.

Discussion of Progress:

Mining is on going and scheduled to be completed by December 31, 2025 which is the end of the contract with Hall Irwin Construction.

Justification:

In the vicinity of the Poudre Ponds Recreational Fishery, approximately 1,300 feet downstream of the N35th Ave bridge over the Poudre River, the right bank of the river is actively eroding (and experienced substantial erosion during spring runoff in 2021), threatening the stability and safety of the Poudre River Trail and Poudre Pond's Pond A slurry/containment wall. The actively eroded section of bank measured approximately 65 feet in length, with an additional 45 feet of bank upstream that is showing signs of instability. Downstream of the critical failure, bank protection measures have been installed using various methods from a riprap blanket (260 feet of bank just downstream of the critical bank area) and concrete rubble. During the summer of 2021, emergency bank protection was completed at the site with the use of stacked sandbags to minimize further bank sloughing. While the sandbags provided temporary protection to the riverbank, they were undermined by river flow and destabilized over the course of several weeks.

Seeding will establish native grass growth to help stabilize the soil and reduce obnoxious weed growth.

Revenue Detail:

The water fund receives approximately \$70,000 in royalty revenue each year that mining occurs on the site.

GL Account	Description	Previous 3 Years	2022 Actual	2023 Revised Budget	2024	2025	2026	2027	2028	Grand Total
Revenue										
	Fund Balance	1,663,619	-	1,811,035	101,000	194,000	131,000	-	-	3,900,654
5636	Royalties	101,278	-	-	-	-	-	-	-	101,278
Total Revenue		\$1,764,897	-	\$1,811,035	\$101,000	\$194,000	\$131,000	-	-	\$4,001,932
Expense										
8202	Construction	1,178,691	-	1,479,017	73,000	171,000	114,000	-	-	3,015,708
8204	Contingency	-	-	197,062	8,000	18,000	12,000	-	-	235,062
8216	Miscellaneous	180	-	49,956	-	-	-	-	-	50,136
8229	Professional Services	506,484	-	45,000	15,000	-	-	-	-	566,484
8232	Project Management	37,091	-	-	-	-	-	-	-	37,091
Total Expense		\$1,764,897	-	\$1,811,035	\$101,000	\$194,000	\$131,000	-	-	\$4,001,932
Net Total		-	-	-	-	-	-	-	-	-



Figure 4.6. Option 2 Site Layout

Future Water Acquisition - Phase II

Project Number:	12543	Budget Year:	2024
Division:	Water Capital Projects	Council Priority:	Sustainable Infrastructure & Mobility
Project Type:	Water Rights Acquisition	Regions:	5- Outside City
Fund:	Water Rights Acquisition	Location:	Citywide
Project Manager:	Cole Gustafson	Budget Unit #:	4244401855050000000000
Project Status:	Funded		

Description:

Greeley needs additional water supplies for growth. Water Acquisition Phase II seeks acquisition of 10,000 acre-feet of agricultural water supplies. Surface water supplies, secured via purchase of agricultural water rights, are needed to serve a growing population and for future underground storage in the Terry Ranch Project.

Discussion of Progress:

This funding is required to be reserved annually for water call rights. If we do not get a call on water, we may use the funds to purchase new water rights if there are any available that interests Greeley. This is a contractual obligation until 2044.

Justification:

Greeley's water demands are expected to more than double over the next 50-years. Additional water supplies are needed to meet this future demand. The Water Master Plan intended for the City to develop a Future Water Account (FWA) and to generally identify the water supplies needed for increasing potable firm yield. Supplies identified as being the best fit for the Greeley water system are seeing rapid price escalation (over 20% annually in some cases). Therefore, if the City is going to secure water for its future growth, an active acquisition program should be implemented.

Revenue Detail:

The water fund receives varying amounts of revenue by renting the water supplies back to agriculture and industry. The revenue amount varies year to year depending on water availability.

Impact on Operating Budget:

Water assessment fees increase when the city buys additional shares of ditch company water. The cost varies by the water right acquired.

GL Account	Description	Previous 3 Years	2022 Actual	2023 Revised Budget	2024	2025	2026	2027	2028	Future	Grand Total
Revenue											
	Fund Balance	17,508,603	-	5,582,609	5,250,000	5,550,000	5,850,000	6,150,000	6,450,000	36,850,000	89,191,212
4789	Expense Reimbursement	500	-	-	-	-	-	-	-	-	500
53**	Water Rates	-	-	-	1,250,000	1,250,000	1,250,000	1,250,000	1,250,000	6,250,000	12,500,000
5631	Rents From Land	28,900	-	-	-	-	-	-	-	-	28,900
5715	Other-Refund Of Expenditures	491	-	-	-	-	-	-	-	-	491
5759	Other	1,307	-	-	-	-	-	-	-	-	1,307
5788	Other Private Contribution	826,250	-	-	-	-	-	-	-	-	826,250
5801	Sales Of Fixed Assets	240,827	-	-	-	-	-	-	-	-	240,827
6421	Water Fund Cost Allocation	1,500,000	-	-	-	-	-	-	-	-	1,500,000
Total Revenue		\$20,106,877	-	\$5,582,609	\$6,500,000	\$6,800,000	\$7,100,000	\$7,400,000	\$7,700,000	\$43,100,000	\$104,289,486
Expense											
8202	Construction	717,261	-	-	-	-	-	-	-	-	717,261
8212	Land/Building Cost/Demolition	19,154,048	-	5,315,109	6,275,000	6,560,000	6,845,000	7,130,000	7,415,000	41,675,000	100,369,157
8229	Professional Services	178,780	-	267,500	225,000	240,000	255,000	270,000	285,000	1,425,000	3,146,280
8232	Project Management	53,858	-	-	-	-	-	-	-	-	53,858
8233	Project Management - Benefits	100	-	-	-	-	-	-	-	-	100
Total Expense		\$20,106,877	-	\$5,582,609	\$6,500,000	\$6,800,000	\$7,100,000	\$7,400,000	\$7,700,000	\$43,100,000	\$104,289,486
Net Total		-	-	-	-	-	-	-	-	-	-



