



Colorado Water Conservation Board

Water Plan

Water Project Summary

Name of Applicant	Town of Lyons	
Name of Water Project	Summit Riparian Restoration	
Grant Request Amount		\$330,569.50
Primary Category		\$330,569.50
<i>Watershed Health & Recreation</i>		
Total Applicant Match		\$330,569.50
<i>Applicant Cash Match</i>		\$226,069.50
<i>Applicant In-Kind Match</i>		\$104,500.00
Total Other Sources of Funding		\$0.00
Total Project Cost		\$661,139.00

Applicant & Grantee Information

Name of Grantee: Town of Lyons
Mailing Address: PO Box 49 Lyons CO 80540

Organization Contact: Tracy Sanders
Position/Title: Project Manager Email: tsanders@townoflyons.com
Phone: (720) 697-3427

Organization Contact - Alternate: Justin Doles
Position/Title: Town Engineer Email: jdoles@townoflyons.com
Phone: 3038236622

Grant Management Contact: Tracy Sanders
Position/Title: Project Manager Email: tsanders@townoflyons.com
Phone: (720) 697-3427

Grant Management Contact - Alternate: Cassey Eyestone
Position/Title: Email: ceyestone@townoflyons.com
Phone:

Description of Grantee/Applicant

Town of Lyons

Type of Eligible Entity

- ☐ Public (Government)
- ☐ Public (District)
- ☒ Public (Municipality)
- ☐ Ditch Company
- ☐ Private Incorporated

- ☐ Private Individual, Partnership, or Sole Proprietor
- ☐ Non-governmental Organization
- ☐ Covered Entity
- ☐ Other

Category of Water Project

- ☐ Agricultural Projects
Developing communications materials that specifically work with and educate the agricultural community on headwater restoration, identifying the state of the science of this type of work to assist agricultural users among others.
- ☐ Conservation & Land Use Planning
Activities and projects that implement long-term strategies for conservation, land use, and drought planning.
- ☐ Engagement & Innovation Activities
Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website.
- ☒ Watershed Restoration & Recreation
Projects that promote watershed health, environmental health, and recreation.
- ☐ Water Storage & Supply
Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.

Location of Water Project

Latitude 40.214201
 Longitude -105.258767
 Lat Long Flag
 Water Source
 Basins South Platte
 Counties Boulder
 Districts 5-St. Vrain Creek

Water Project Overview

Major Water Use Type
 Type of Water Project Construction / Implementation
 Scheduled Start Date - Design 1/1/2025
 Scheduled Start Date - Construction 6/30/2005
 Description
 The Lyons Valley Park (LVP) streambank restoration project area, located along the St. Vrain Creek just downstream from McConnell Drive Bridge and McConnell Ponds in the Town of Lyons, CO, where the Town was significantly impacted in the 2013 floods. The flood caused a great deal of streambank erosion and sedimentation that impacted residences, businesses, structures, buildings and stream health.

Directly above the south bank of this area of St Vrain Creek east of McConnell Drive are existing houses and an affordable housing development currently being constructed. The south stream bank downstream of the McConnell Bridge suffered significant erosion damage when the creek channel shifted south during the 2013 flood. Figure 3 in attached report from the contracted Town Engineer is an exhibit prepared approximately eight months after the flood event. The creek channel has since returned to its pre-flood location, further north,

however the bank remains a steep drop off and continues to erode back to the south (see pictures included in application).

The south bank of St Vrain Creek, east of McConnell Drive and within the Town of Lyons town limits, is approximately 1,700 feet in length, most of which has been stabilized and restored. The section directly downstream of McConnell drive was completed as part of the McConnell Ponds and McConnell Drive Bridge reconstruction. The area just west of the proposed project area was completed in 2020 as a standalone streambank stabilization project.

The proposed project area had previously been bordered by a private landowner who was not interested in participating in any projects to stabilize the eroded streambank adjacent to the property. Now the Town owns this property and would like to restore to pre-flood condition and eliminate any concern for community safety and stream health.

The Town acquired grant funds to supplement Town funds to support the design of this project. The Town currently has a 50% design available along with an Engineers Estimate. The Town is now seeking funding assistance for the construction of the bank restoration. The Town will have 100% plans and a bid package ready by or before the end of 2024. The project would need to be completed during low flow season for the stream, therefore a December funding award would be ideal timing for implementation of this project. Otherwise, the project may need to wait till fall/winter 2025. The bank continues to erode posing a safety hazard to the public.

Measurable Results

New Storage Created (acre-feet)
New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive
Existing Storage Preserved or Enhanced (acre-feet)
New Storage Created (acre-feet)
Length of Stream Restored or Protected (linear feet)
Length of Pipe, Canal Built or Improved (linear feet)
Efficiency Savings (dollars/year)
Efficiency Savings (acre-feet/year)
Area of Restored or Preserved Habitat (acres)
Quantity of Water Shared through Alternative Transfer Mechanisms or water sharing agreement (acre-feet)
Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning
Number of Coloradans Impacted by Engagement Activity

Other

No additional measurable results provided

Water Project Justification

In 2013 the Town of Lyons experienced a 2% (500 yr) flood, compromising all streambanks within Town limits. This 400' section of streambank was not repaired during the flood recovery years because at the time it was private property and not in Town limits. This property is now in Town limits and owned by the Town and is being developed with affordable housing units. The compromised section of streambank has a sheer drop of about 30' and is prone to erosion because of the steepness and lack of vegetation in certain areas. This streambank poses a safety risk to residents and property. If this section of bank were repaired, it will nearly complete the restoration of all streambanks within Town limits. The bank as is now poses a safety risk to residents and property, restoration of the bank would also be re-establishing habitat in that location.

Related Studies

The restoration of this area was a part of the Watershed Recovery Project recovery efforts after the 2013 flood, design and hydraulic modeling had been completed by Enginuity Engineering Solutions. At the time when the Watershed Recovery was taking place the private property owner did not want to participate. The property has since been acquired by the Town of Lyons and they feel this is a critical to repair that needs to be completed. The Town believes there may be a study that was completed by EWP in 2018 but has not been able to obtain a copy, the Town has a copy of the study for areas just upstream of this location. The Town's Engineer Consultant has drafted a memo with background, justification, and proposed scope of work for this location, that will be included in the application documentation.

Taxpayer Bill of Rights

NA