

***Project Name**

Wadley Farms 3 Lake #1 Rehabilitation

***Grant Recipient**

Wadley Farms 3 Homeowners Association

***Primary Contact**

DaveBreindel

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***Email**

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***WSRF Grant Type**

Water Supply Infrastructure

Conservation, Efficiency, & Reuse

Eligible Water Activities (Check All That Apply)

Municipal/Industrial

If other, please explain.

(No response)

Total Project Cost

\$ 55,000.00

Are you submitting a proposal to the South Platte Basin RT, the Metro RT, or both?

Metro RT

South Platte Basin RT Grant Amount Request (If applicable)

(No response)

Metro RT WSRF Grant Amount Request (If applicable)

\$ 15,000.00

Colorado Water Plan Grant Amount Request (if any)

(No response)

Other Basin Roundtables WSRF Funding Being Requested (if any)

(No response)

If Other Roundtable Requests, which roundtable(s)

(No response)

***Project Description**

The proposed project will involve engineering, design and permitting for the rehabilitation of Wadley Farms Lake #1 Dam and construction of a new pipeline between Lakes #1 and #3. Lake #1 currently has a normal storage capacity of approximately 38 ac-ft and a total decreed storage capacity of 77 ac-ft. The project has three primary objectives; restore Lake #1 to as close to its full decreed storage capacity as practicable (1), improve system efficiency and provide added operational flexibility (2) and address Dam Safety maintenance concerns (3). Design will focus on expanding reservoir storage through a combination of excavation (i.e., dredging) and raising the existing dam embankment, constructing a new low-level outlet for the reservoir, installing a toe drain below the dam to control seepage through the embankment, and installing riprap on the upstream slope of the dam to mitigate wave erosion. In addition, the project will include design of a pipeline between Lakes #1 and #3 to replace the existing open ditch

system which has significant seepage losses. The scope of work for this phase of the project would include all engineering, design and permitting associated with these improvements.

***Which basin priorities does the project address? How?**

See attached.

***Project Timeline and Tasks**

Project kickoff October 2023 pending funding. Complete survey (topographic and wetlands) and geotechnical investigation(s) by December 1, 2023. Complete 60% design drawings and submit to Dam Safety for review by February 16, 2024. Complete design, submit construction drawings, specifications and report to Dam Safety by March 29, 2024. Finalize construction drawings and specifications with Dam Safety; permit issued by May 17, 2024.

Attach Budget (not required)

(No response)

Attach a map, graphic, etc. (not required)

[wadley farms 3 wsrf grant proposal figures 8mar23.pdf](#)

Attach a File (not required)

[wadley farms 3 wsrf proposal for improvements to lake 1 8mar23f.pdf](#)