

Greater Rio Grande Watershed Alliance Project Proposal

Project name: Acequia de Alcalde Diversion, South Section

Project proponent: East Rio Arriba Soil and Water Conservation District

Project location: Alcalde, NM Rio Arriba County- See Attached Map

Landowner(s): Landowners need to be contacted

How is this site accessed? Need to meet with landowners

Project objective(s): This project will involve removal of non-native phreatophytes, which outcompete native vegetation. Removing this vegetation, along with replanting native species, will restore riparian corridors to a more natural state, increasing ecosystem function and the likelihood of perennial flow of water near springs.

The selected project areas were chosen based on their potential to meet the overall project objectives outlined below:

- To restore the area for wildlife with a mix of native species;

- To restore the area to a more natural condition with a more open canopy; and

- To remove exotic high water consumption plants in order to increase the presence of water in low-lying areas of drainages.

Remediation is needed to enhance the natural recharge in the project areas and improve spring activity. This can be accomplished while also reducing erosion, leading to better water quality in the ERASWCD and the greater Rio Grande basin.

An ancillary objective of this conservation plan is to increase the capacity of members of the ERASWCD in various aspects of riparian restoration, including project planning, mapping, physical restoration, and post-treatment monitoring. Increasing the capabilities of ERASWCD members is vital for the proliferation of restoration projects within the ERASWCD. Rio Arriba County has expressed that "maintaining healthy connections between headwaters, streams, rivers, springs, wetlands, ciénegas, critical wildlife habitats, floodplains/riparian areas, irrigated lands, surface water, and ground water are of critical importance to the County (Rio Arriba County of Commissioners, 2008)."

Size of project: 14.50 Acres

Current site description: Abiquiu-Pelalta complex, 0 to 3 percent slopes and Werlog clay loam, 0 to 1 percent loams. Site contains Russian olive and Siberian elm.

This Restoration Project is not a retreatment site.

Desired site condition: no re-vegetation

Justification: This project is essential to continue the restoration alongside the Rio Grande to prevent further infestation of the invasive species. This project will complement the Alcalde North Section which was restored in the fall of 2011; and increase native growth along the Bosque.

Is this project adjacent or near previous restoration projects? Yes, this project is south of the Acequia de Alcalde North Section

Is there any baseline data available for this site? Online resources were consulted to determine soil information and data about species of concern. No sightings of the species noted in table 1 occurred during the project delineation surveys. If any of the species of concern are identified during implementation of the project, work will stop and the appropriate state and federal wildlife agencies will be contacted.

Once completed, how will this project be protected from livestock, horses, beaver, elk, etc.?
Will need to be directed to the landowners.

Acequia de Alcalde, South Diversion-Landowners

Property Code	Owner (fr. County Assessor Records)	Alternate Info. From mtg. or call	Comments
A	Arellano Family Recoable Trust Arellano, Adolfo & Fay	Po Box 185 Alcalde, NM 87511	
B	Adan and Susie Vigil	PO Box 812 Alclde, NM 87511	
C	Arellano, Utilia Vigil	Po Box 118 Alcalde, NM 87511	
D	1049130016472 (Parcel #)		



RO. AR.
MAP
1122
ES

NOTE:

This map was prepared in accordance with the Property Tax Code. The data is the responsibility of the Assessor. This information shall not be used for legal purposes ONLY. The Rio Arriba County Assessor disclaims all liability regarding the data for purposes other than Property Tax Code.

PROPERTY LINES ARE PROVIDED BY THE
ASSESSOR. NOTE PROPERTY
DEEDS OR SURVEYS. ALL COI
AND ARE SUBJECT TO CHANGE





Figure 2. Detailed project area map for the Acequia de Alcalde Diversion, South Section (Project Area 1).



Figure 16. Soil classification types located within Project Area 1.



Figure 11. Russian olive and Siberian elm located within the boundaries of Project Area 1.



Figure 12. A thick patch of Siberian elm located within Project Area 2.