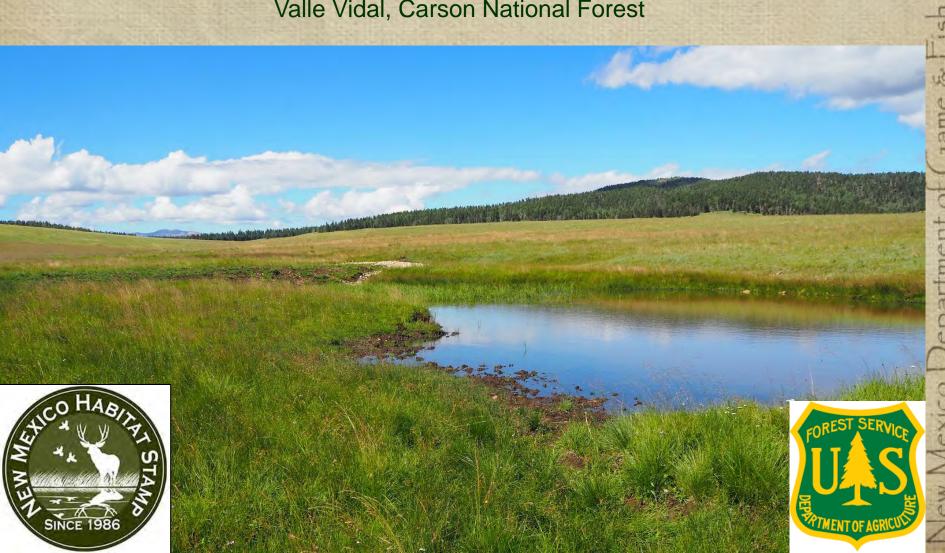
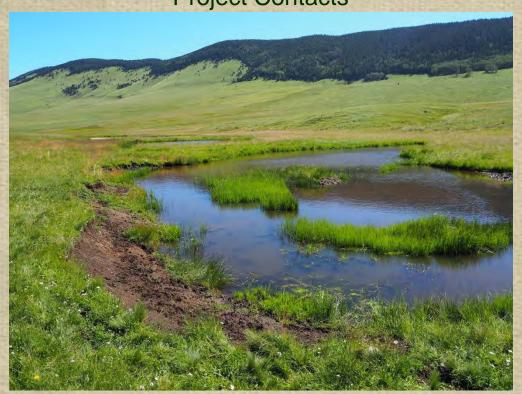
La Belle Creek Restoration Project

Valle Vidal, Carson National Forest



La Belle Creek Restoration Project

Project Contacts





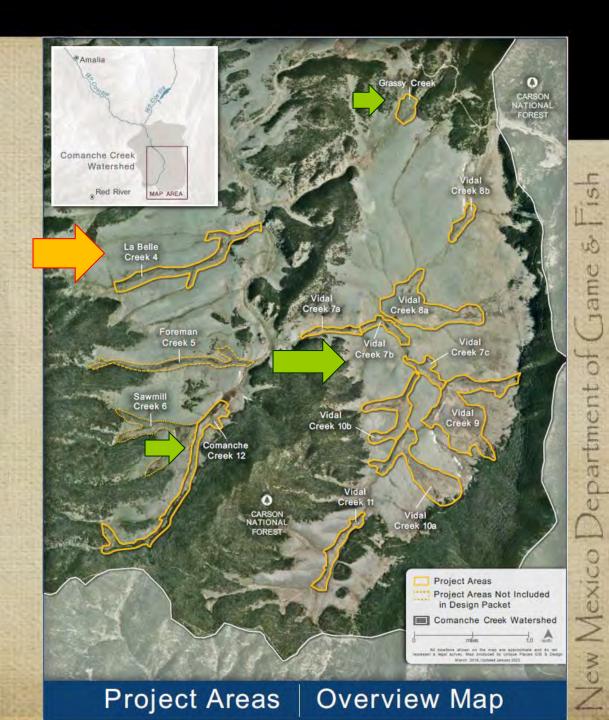


Alyssa Radcliff @usda.gov

Overview of Comanche Creek Watershed Restoration, Valle Vidal

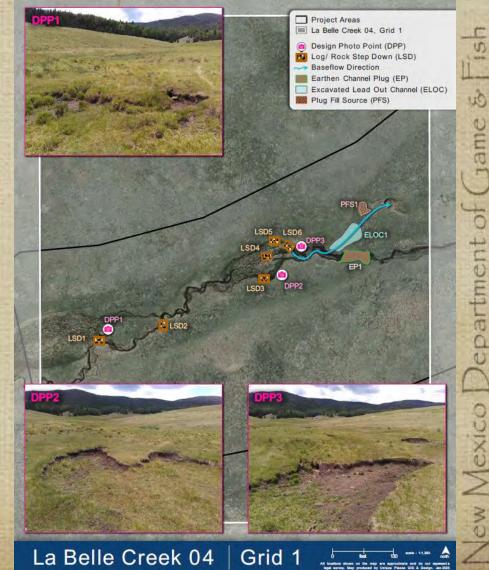
La Belle Creek is the highest ranking priority restoration opportunity that has not already been implemented in the Valle Vidal.

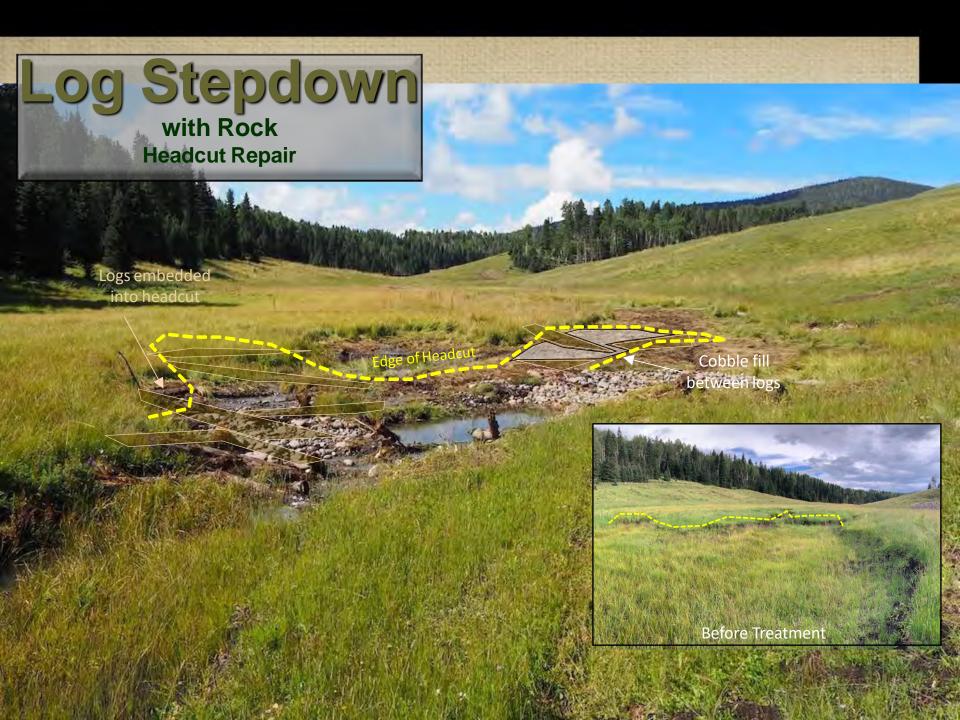


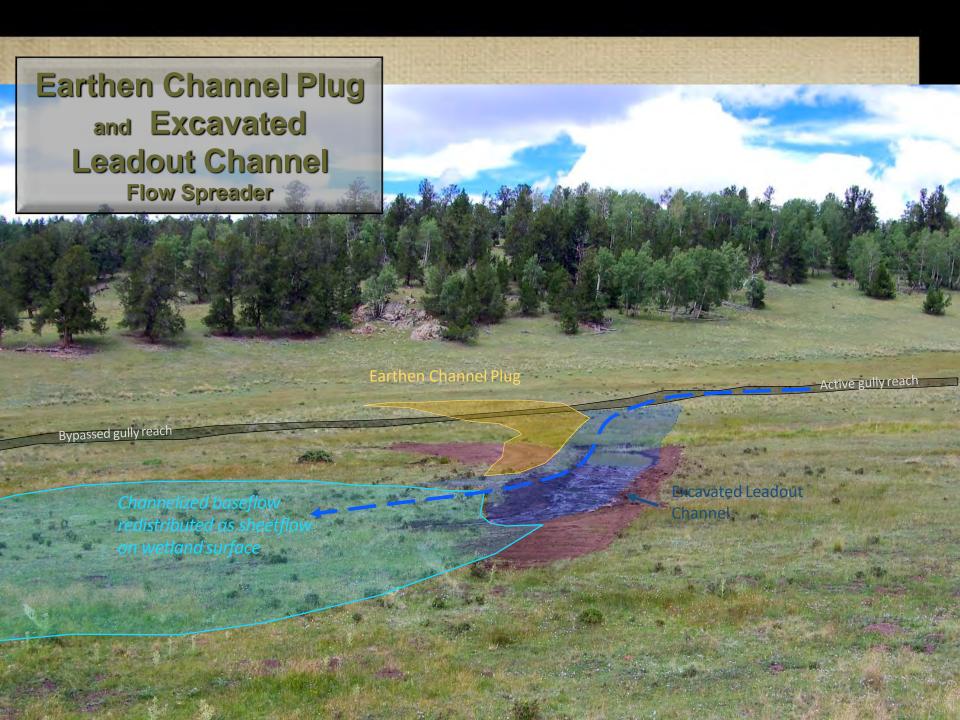


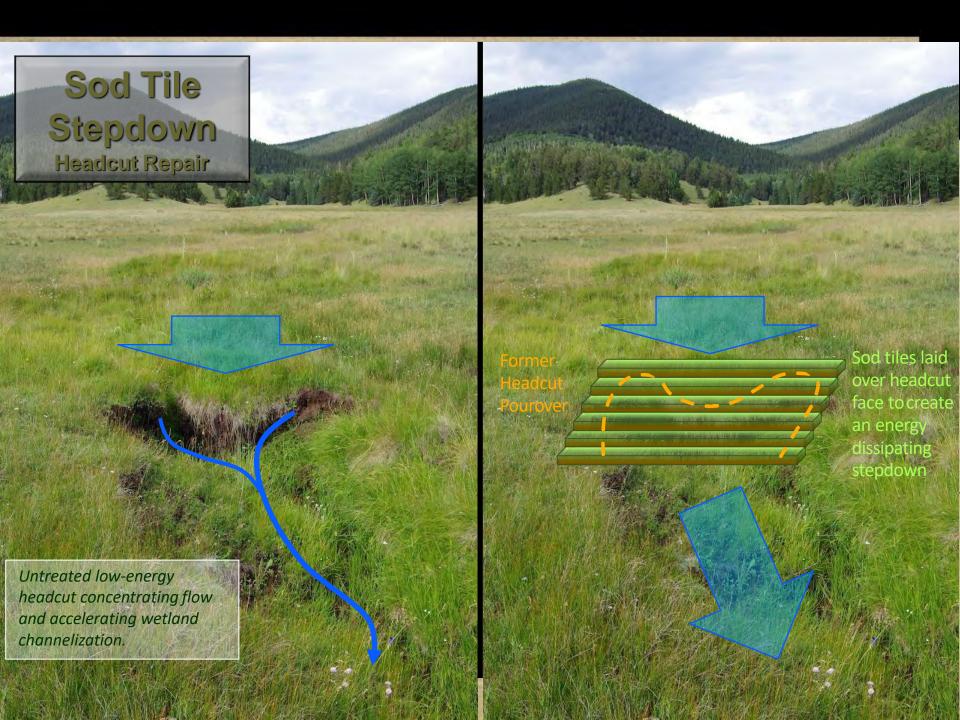
La Belle Creek Overview and details of Project Grid 1











Summary of Project

Construction of 35, engineered instream structures at an estimated cost of \$436,000

This effort will require several pieces of heavy equipment, as well as materials brought in from off site, and careful use of the equipment to place these engineered structures. This portion of the restoration efforts within the Watershed also has the challenge of being much more difficult to access, resulting in higher mobilization costs.

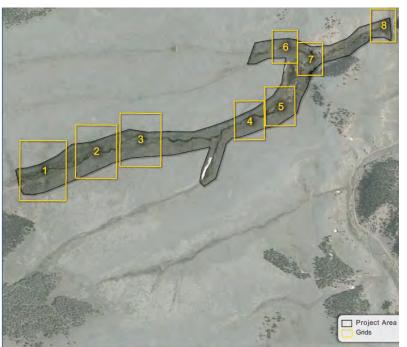
This project will primarily benefit Elk, and Rio Grande Cutthroat Trout.





Project Contacts: USFS - Alyssa Radcliffe NMDGF - Daniel Lusk

Alyssa.Radcliffe@usfs.gov Daniel.lusk@dgf.nm.gov



La Belle Creek Restoration Project



- The Comanche Creek Watershed encompasses 27,430 acres of forests, rangelands, wet meadows, slope wetlands and streamside riparian habitats. Historically, this watershed has been impaired by poor rangeland management and short sighted forestry goals.
- Since 2001, a large scale, holistic approach to restoration of this watershed has been in effect. The restoration goals of this work include:

 - Raising the Water Table Reestablishing Floodplain connectivity Improving riparian habitat diversity

 - Increasing forage production and wetland plant communities
- This work has been implemented in all of the priority creeks and drainages within the Watershed, except for La Belle Creek, the last high priority, untreated creek within the watershed.
- This project has been sponsored and carried out by a variety of partners, including federal and state management agencies, Trout Unlimited, The Quivira coalition, the EPA and even Coca-Cola.
- The Habitat Stamp Program has previously funded restoration work in this watershed as part of the 2021 project prioritization.

Proposed Management Action

- The NMDGF, in collaboration with the USFS, will contract the installation of approximately 35 in stream structures to mitigate stream bank incision and erosion issues.
- HSP funds will be utilized for the purchase of material, mobilization of heavy equipment, labor wages to operate machinery and install the engineered in stream structures, de-mobilize equipment and mitigate implementation footprints by seeding disturbed areas.
- Following this Implementation, the NMDGF and USFS will enter into a monitoring phase to evaluate the efficacy of this landscape restoration effort, and adjust land management decisions in response to those monitoring reports.
- Google Earth Link:

Estimated Budget: \$436,000

Project relation to CAC advice or prioties:

This project benefits fish. La Belle Creek feeds into Comanche Creek, a tributary of Rio Costilla which is one of the better fisheries for Rio Grande Cutthroat Trout. Once implemented, this project will help to maintain hydrologic function of the Comanche Creek Watershed, and improve water quality and trout habitat in the waters below.

Project Specific Details:

This project is the final leg of a larger effort to improve watershed health in the Valle Vidal. All work has been completed from the original conceptual design except for the proposed actions contained within this project proposal. A design packet is attached at the end of this document for additional details.

Historical Data:

The Valle Vidal watershed was historically impaired by poor grazing management, which has since been altered to be more sustainable. The heritage impairments to the watershed have been systematically addressed in a phased restoration approach.

Itemized Use of Funds:

Materials (Rock) and Transport - \$118,500 Labor to operate equipment, harvest timber for structures, install structures - \$245,150 404 permit application - \$6,000 Mobilization/De-mobilization - \$28,400 GRT - \$29,356.19

Comprehensive Project Analysis:

Please see the attached design packet and presentation for these details.

Monitoring Plan/ Strategy:

The Valle Vidal is monitored by the USFS staff, including Range, Wildlife, Fisheries, Hydrologists and other specialists. It is a special area of interest and also has many other researchers/NGO's who conduct studies and monitoring throughout. As this phase of the project is the final stage of the Valle Vidal restoration project, the NMDGF will enter into a monitoring phase of all installed structures and management approaches within the Valle Vidal.

Project Emphasis Species:

Rio Grande Cutthroat Trout and Elk.



La Belle Creek 04

Comanche Creek Watershed Restoration Master Plan Design Packet















