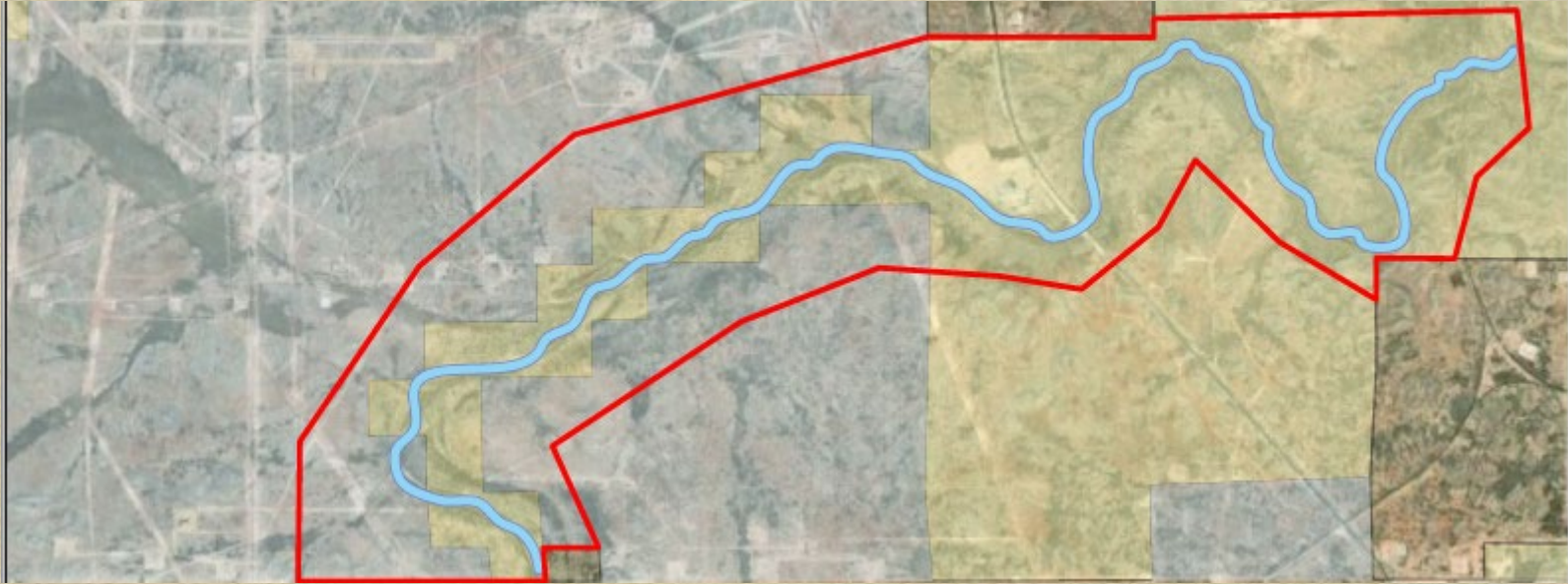
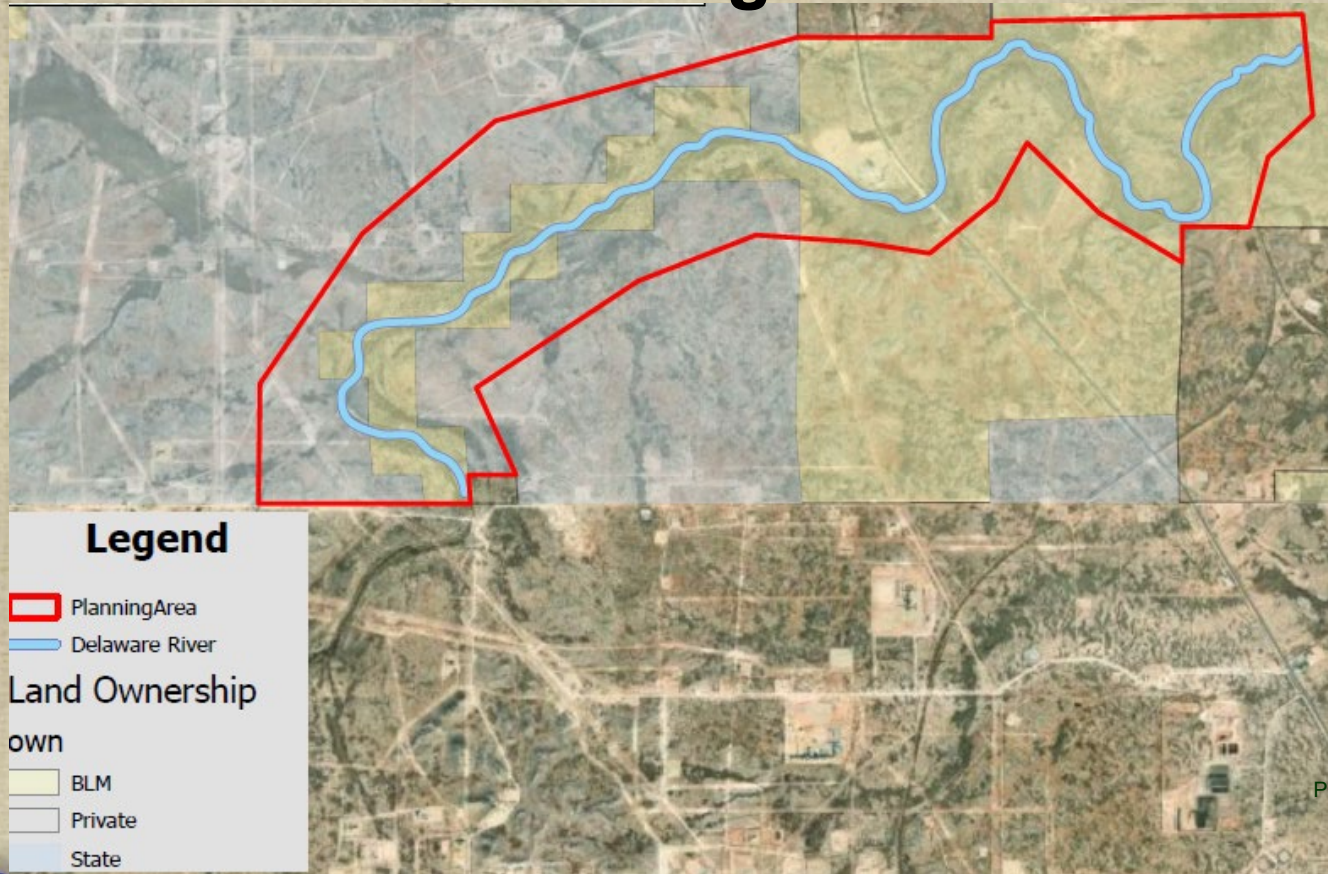


Delaware River Restoration Project Design



Delaware River Restoration Project Design



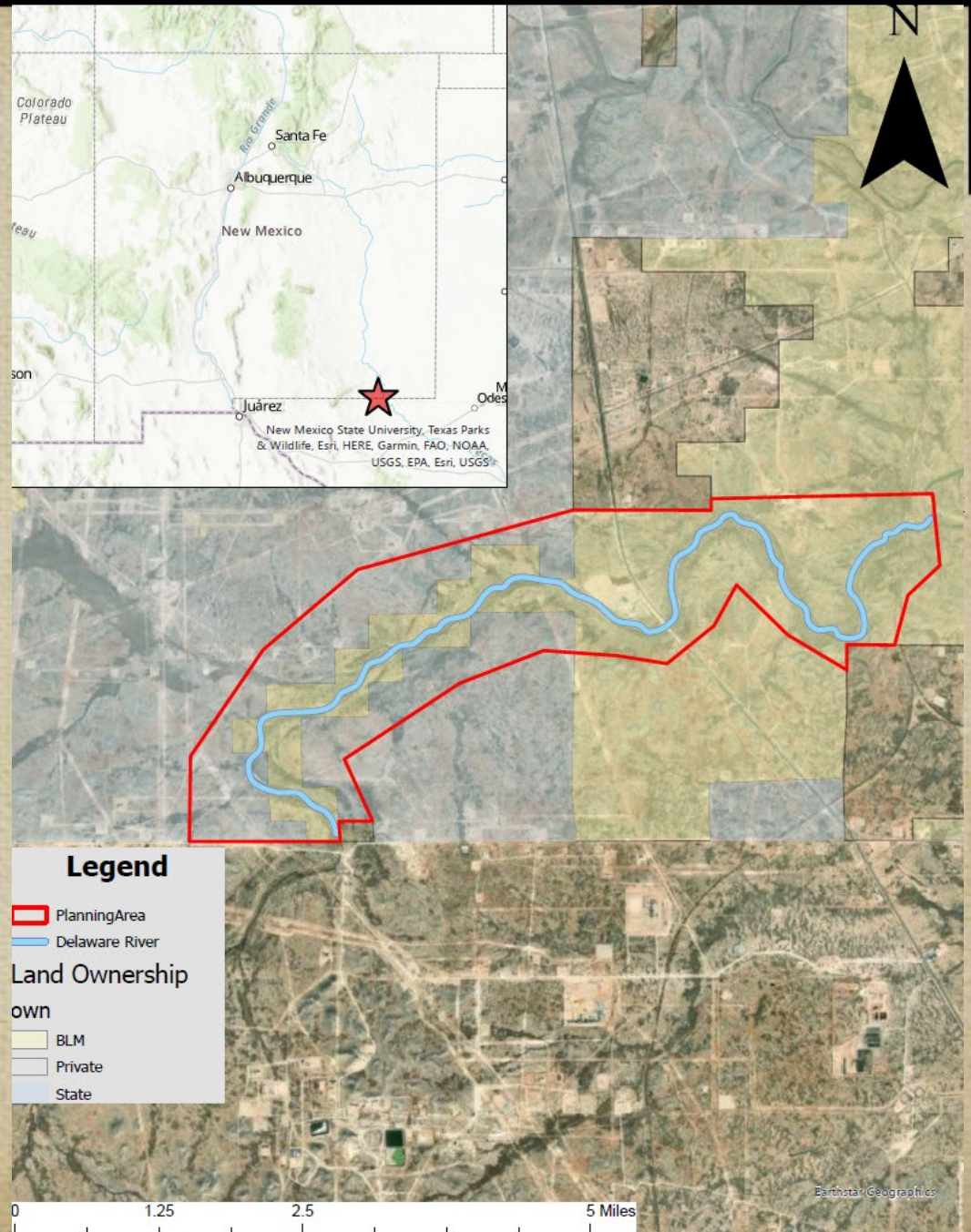
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Delaware River Restoration Project Design

- Historically there has been heavy grazing in the area. It is also near heavy oil and gas activity.
- The Project area was identified as a priority landscape by NMDGF and BLM in 2008.
- Some of the limiting factors were identified as:
 - Forage
 - Rearing cover
 - Escape cover
 - Riparian condition
 - Erosion
 - Off-road Vehicle Use
- The HSP program has funded numerous projects on the Delaware River.



Delaware River Restoration Project Design

- This design will evaluate 7 miles of river/watershed for restoration potential, which may lead to:
 - Thousands of acres of upland habitat enhancement
 - Increased angling opportunity from improved fish habitat
 - The riparian portion of the Project will help to create a higher water table, reconnect and expand the floodplain; more hyporheic exchange; higher summer base flows; expanded wetlands areas; improved water quality; greater habitat complexity; more diversity and richness in populations of plants, fish, birds, amphibians, reptiles and mammals.
 - The upland portion of the project is going to help with the dissipation of flood intensity and frequency.
- Stabilizing the soil with additional forbs, grasses and favorable brush production.
 - It will also help increase diversity, quality and quantity of forbs, grasses and browse species.
 - Fencing to protect riparian area.



Photos submitted by Scott Lerich



Summary of Project

The initialization of an engineered design will open the door for many potential partnerships and funding sources for the implementation work. There is interest from several NGO's, private corporations, among others to engage in a large scale effort, which will be a multi-million dollar effort.

Budget Estimate:
\$75,000.00
Initial restoration designs.



Photos submitted by
Scott Lerich



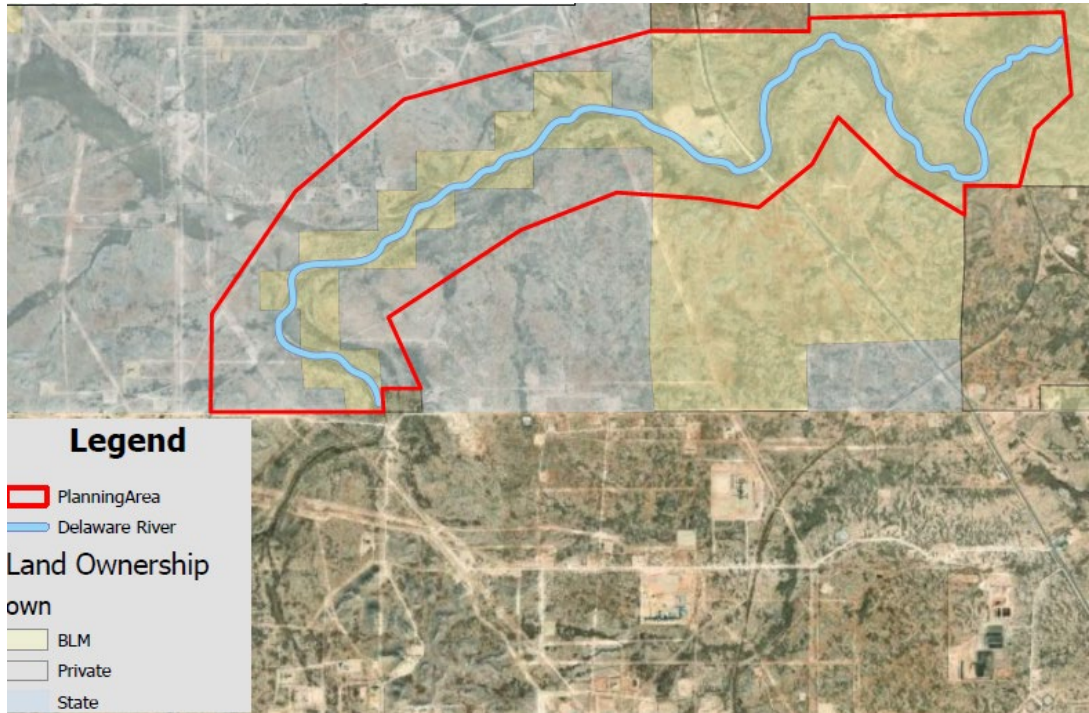
Photo by Farmer 2011



Delaware River Restoration Project Design



- In 2008 the NMDGF and BLM identified the Delaware River as a priority area for restoration. Since then, numerous projects have been accomplished such as salt cedar removal and a parking lot with a pipe fence.
- There is interest between the BLM and NMDGF to develop a landscape scale restoration plan. To begin the process, we are in need of a hydrologist to evaluate restoration potentials in order to inform our restoration goals and provide the best chance for the future implementation work to be successful.
- Thousands of acres of upland habitat would be part of the restoration plan, resulting in habitat improvement for native wildlife such as Javelina, Quail and Mule Deer.
- This initiative could ultimately result in projects that cost millions of dollars to complete. There is significant interest from outside entities and agencies to partner in those restoration efforts, but to kick things off, we need to know what our restoration potential is.



Project Contacts:

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NMDGF-George Farmer george.farmer@dgf.nm.gov

Proposed Management Actions

- NMDGF, in collaboration with the Pecos District will contract the initial design of restoration activities along the Delaware River.
- The completed initial designs will be the source of planning document that BLM will base its Environmental Analysis for future planned activities.
- The implementation of this entire restoration project will include many different partners such as NM State Lands Office, NGO's and private entities.
- The designs for this project would be in hand by next spring.

Google Earth Link

Estimated Budget for HSP: \$75,000.00

Project Name:

Delaware River Restoration Project (Design)

Project relation to CAC advice or priorities:

The project represents a great example of producing fish habitat to increase fishing opportunities in Southeastern NM.

Project Specific Details:

Contract the initial design of restoration activities along the Delaware River.
The project will encompass 7 miles of river.
Thousands of acres of upland work.
Several million dollars to complete.

Historical Data:

Historically there has been heavy grazing in the area. It is also near heavy oil and gas activity.
The Project area was identified as a priority landscape by NMDGF and BLM in 2008.

Itemized Use of Funds:

Estimated budget \$75,000
Initial restoration designs.

Comprehensive Project Analysis:

Contract the initial design of restoration activities along the Delaware River. This project should focus on improving water quality, greater habitat complexity and more diversity and richness in populations of fish and plants.

Monitoring Plan/ Strategy:

At this time none, the only deliverable from this project opportunity will be the initial designs.

Project Emphasis Species:

Emphasis species are native fishes and sports fish such as Catfish and Bass. Game species would be quail and mule deer.

