

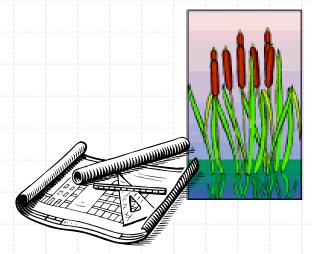
Wetland Creation and Restoration

Partnering with NMDOT



Why Does NMDOT Build Wetlands?

The New Mexico Department of Transportation (NMDOT) mitigates for wetland impacts from transportation projects



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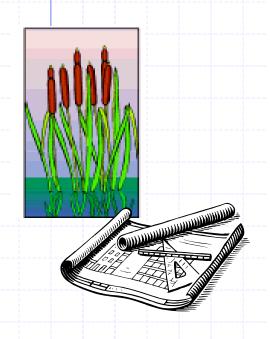
Site Location:

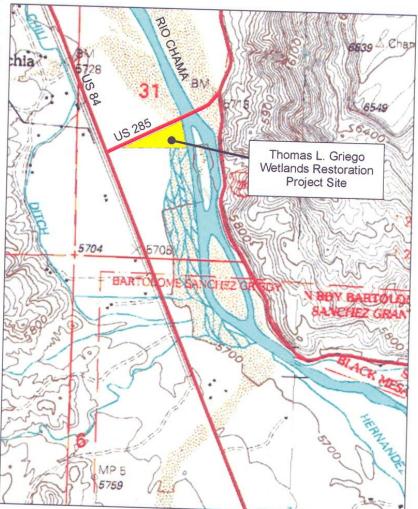
Rio Arriba County, New Mexico SW 1/4 Sec. 31, T 22 N, R 8 E (NMPM) 36° 5' 34" N, 106° 7' 52" W

Elevation:

1,734 m (5,690 ft) ASL

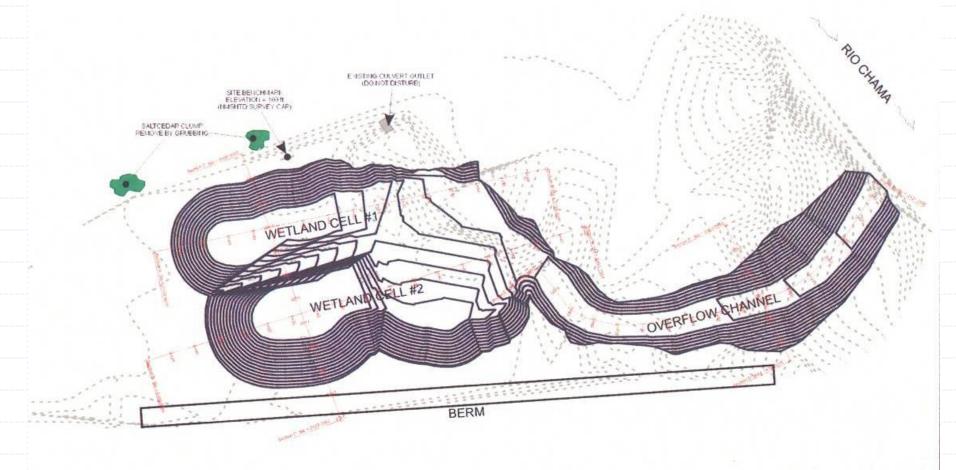
Griego Wetland

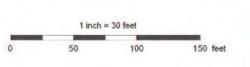




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Griego Wetland Plan







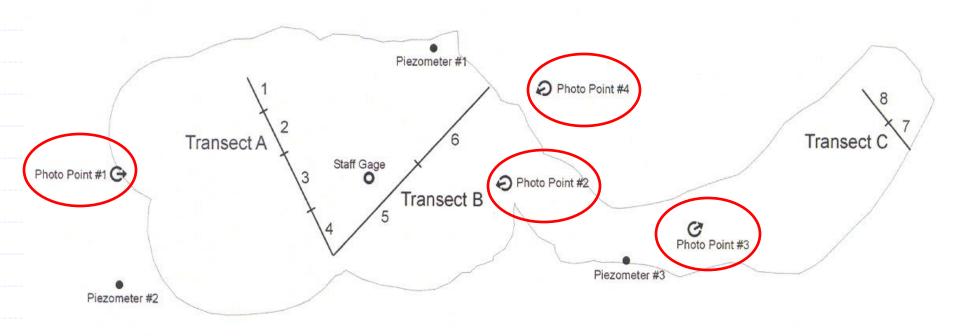




Figure 4. Photo point #1 on 16 August 2004.



Figure 5. Photo point #1 on 30 May 2003, immediately following surface grading.

Figure 8. Photo point #1 on 16 August 2004 (A), 9 November 2005 (B), 18 August 2006 (C), and 28 August 2007 (D).



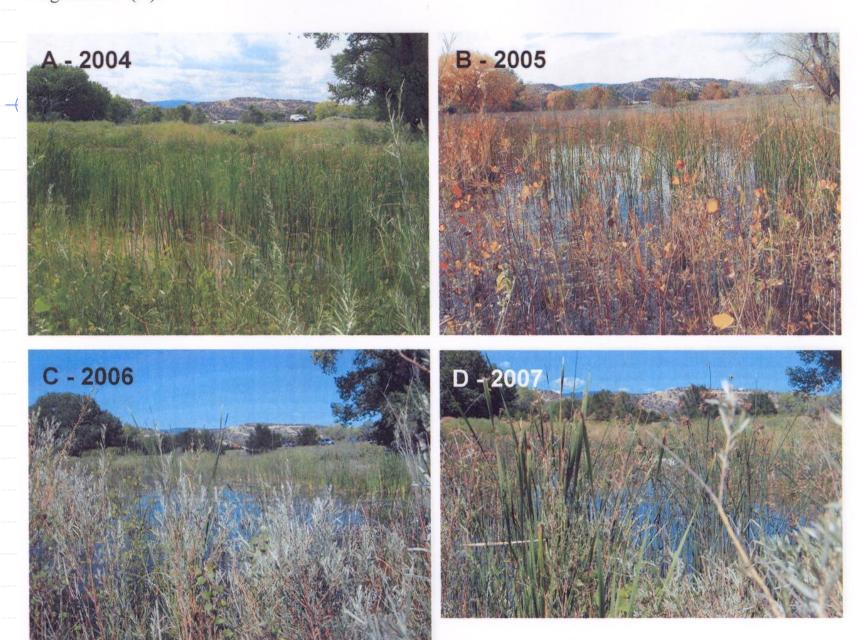


Figure 6. Photo point #2 on 16 August 2004.



Figure 7. Photo point #2 on 30 May 2003, immediately following surface grading.

Figure 9. Photo point #2 on 16 August 2004 (A), 9 November 2005 (B), 18 August 2006 (C), and 28 August 2007 (D).



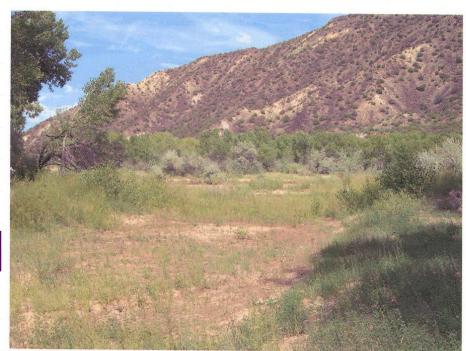


Figure 8. Photo point #3 on 16 August 2004.



Figure 9. Photo point #3 on 30 May 2003, immediately following surface grading.

Figure 10. Photo point #3 on 16 August 2004 (A), 9 November 2005 (B), 18 August 2006 (C), and 28 August 2007 (D).

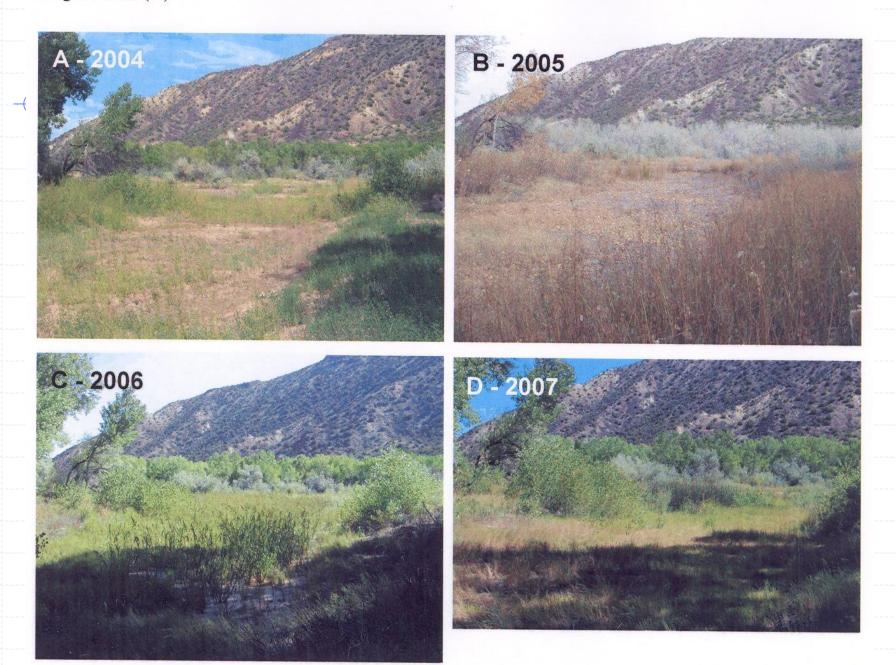


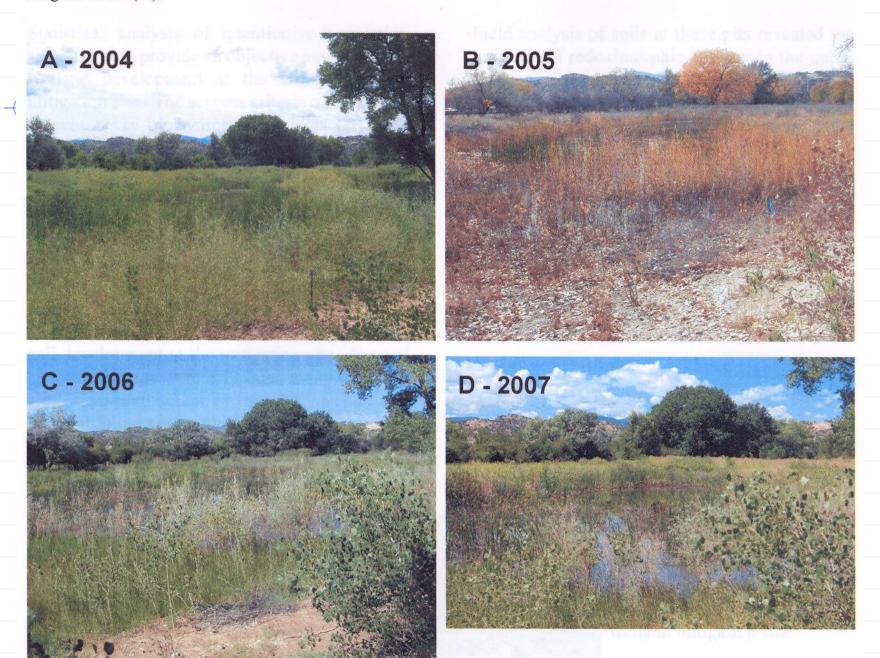


Figure 10. Photo point #4 on 16 August 2004.

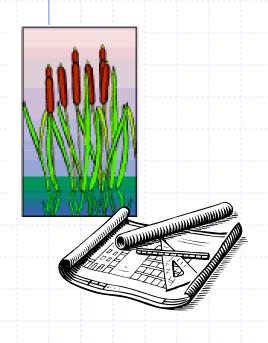


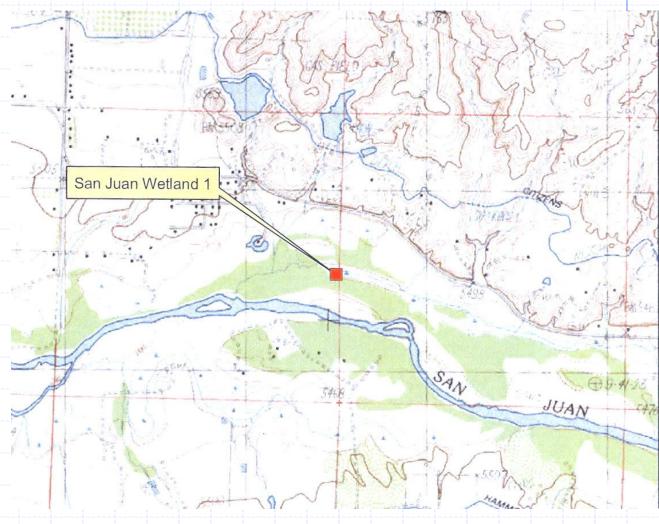
Figure 11. Photo point #4 on 30 May 2003, immediately following surface grading.

Figure 11. Photo point #4 on 16 August 2004 (A), 9 November 2005 (B), 18 August 2006 (C), and 28 August 2007 (D).

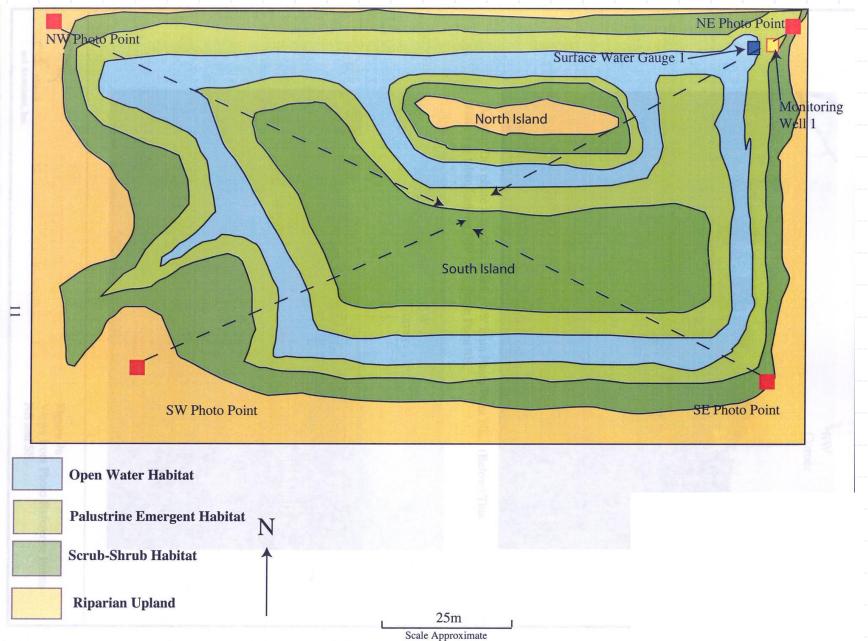


Bloomfield Wetland





Bloomfield Wetland Plan



Completed Bloomfield Wetland Aerial



Bloomfield Wetland Photo NW Corner





Bloomfield Wetland Photo SW Corner





Bloomfield Wetland Photo NE Corner





Bloomfield Wetland Photo SE Corner





Bloomfield Wetland Was Designed For

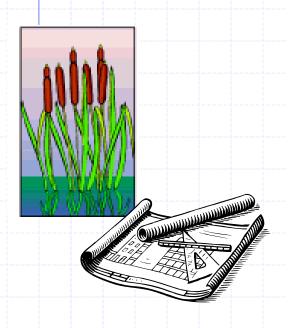


Northern Leopard Frog (Rana pipens)

Other Visitors....



Placer Creek



Placer Creek Project Area



8

0.5

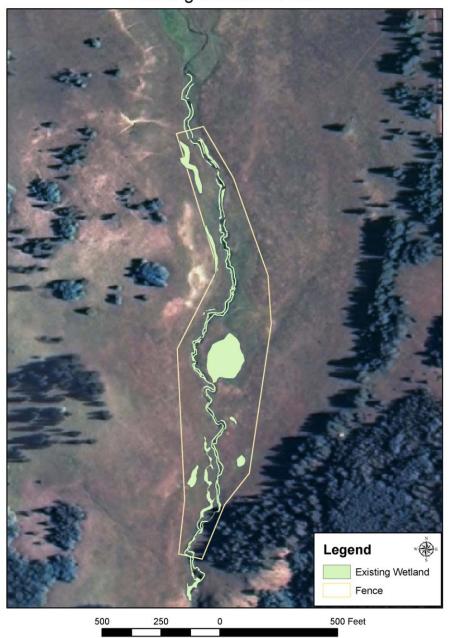
0.25

0.5 Miles

Placer Creek Wetland Creation and Habitat Restoration



Placer Creek Existing Wetland Areas



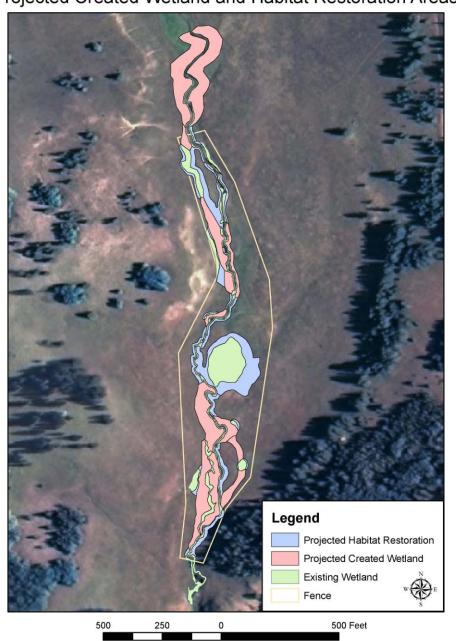
Placer Creek Wetland Mitigation Project Projected Created Wetland Area



Placer Creek Wetland Mitigation Project Projected Habitat Restoration Area



Placer Creek Wetland Mitigation Project
Projected Created Wetland and Habitat Restoration Areas



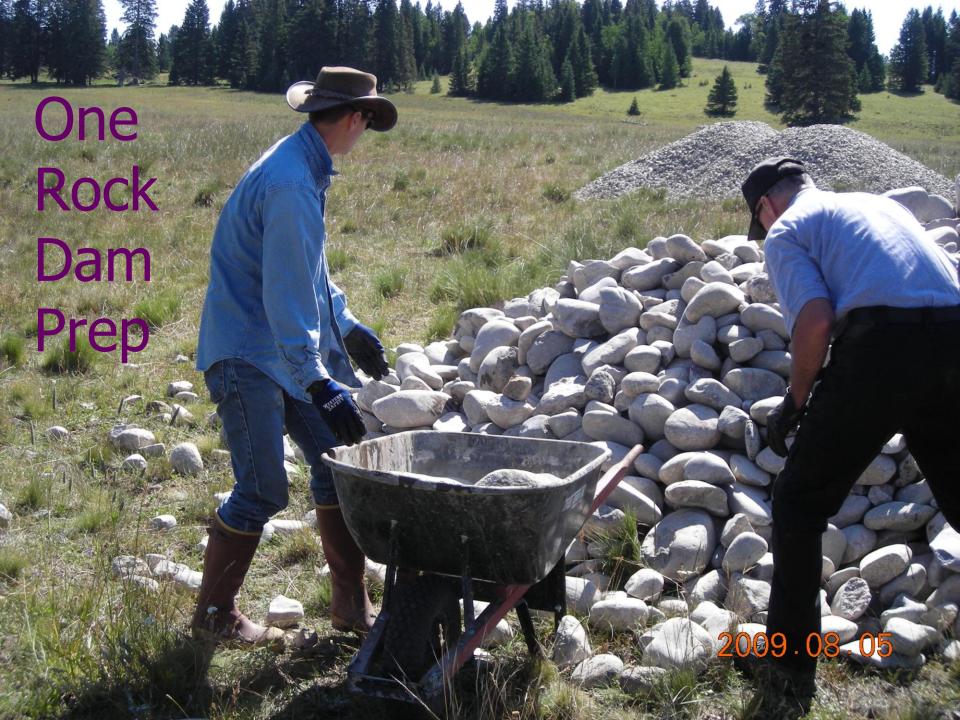




Installing Double Zuni Bowl VOLVO













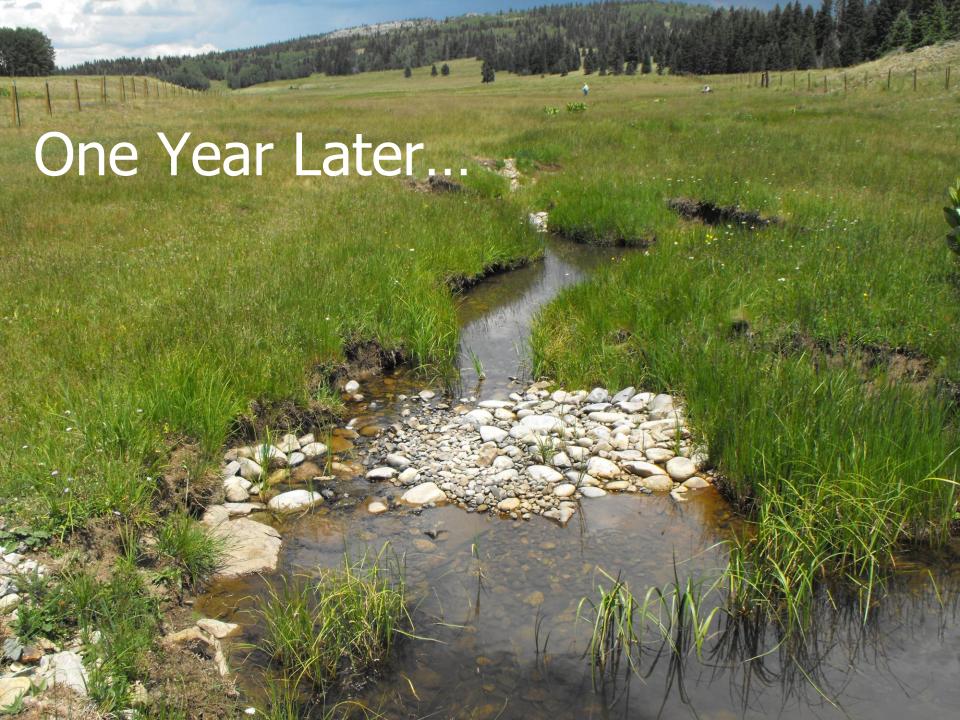














Installing a Cross Vane

















Wetland Creation/Restoration Site Requirements



- Mitigation sites must be designed to
 - Support wetland vegetation
 - Sustain independent wetland hydrology
 - Create wetland type soils
 - Meet mitigation and restoration objectives

Wetland Creation, Monitoring, and Maintenance



- NMDOT performs site evaluations (biological and cultural resources surveys) and obtains and regulatory permits
- NMDOT constructs the wetland/restoration site
- NMDOT performs annual maintenance and monitoring of mitigation sites following construction for a specified time frame

Where's the \$\$\$\$?



- Funding for building wetland/restoration mitigation projects is tied to NMDOT roadway construction project funds
- Wetland/restoration mitigation projects must be built concurrently or ahead of the roadway construction project

What Does This Mean?



- Mitigation projects have to be in the vicinity/same watershed as the roadway project
- Mitigation project location and type must meet approval of the US Army Corps of Engineers

How Can I Partner With NMDOT on My Project?



- Contact us
- Provide project location, size, type, and land ownership
- If your project meets our mitigation requirements, then we can discuss an agreement to build the project

Partnership Agreements



- Formal agreements are entered into with land owners/managers for all NMDOT created wetlands to remain wetlands for a designated amount of time
- Agreements must allow the NMDOT to monitor and maintain the site to meet regulatory requirements

Examples of Current and Past Partnerships

- Carson National Forest
- Bureau of Land Management
- State Land Office
- New Mexico State Parks
- Vermejo Park Ranch
- Piojo Ranch
- Mescalero Apache
- Jicarilla Apache



When Will it Happen?

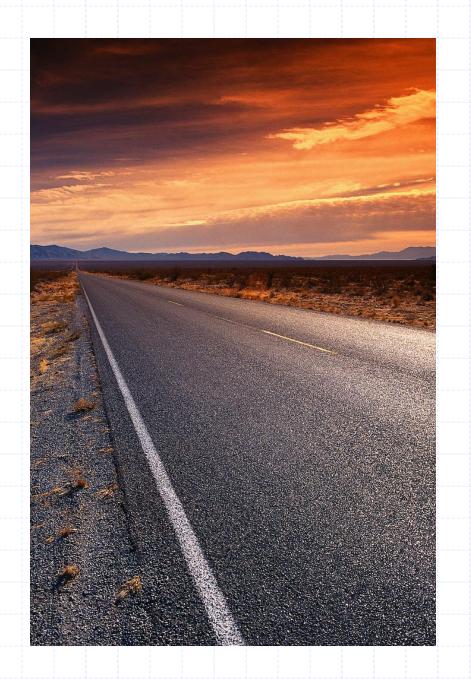


- Contact with us with your wetland creation/restoration project locations
- We will keep track of them by watershed location
- When we have a roadway project in your area that needs mitigation, your project will be evaluated for suitability

Our Current Needs

 We are currently looking riparian areas to plant/restore in the Las Cruces area
 Contact Curt Frischkorn (505) 827-1874
 Email: curt.frischkorn@state.nm.us





NMDOT Environmental Division Contacts

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