#### **Dos Ríos**

#### **Climate-Smart Landscape Conservation Design**



#### National Conference on Ecosystem Restoration

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#### **Steering Committee Representation**



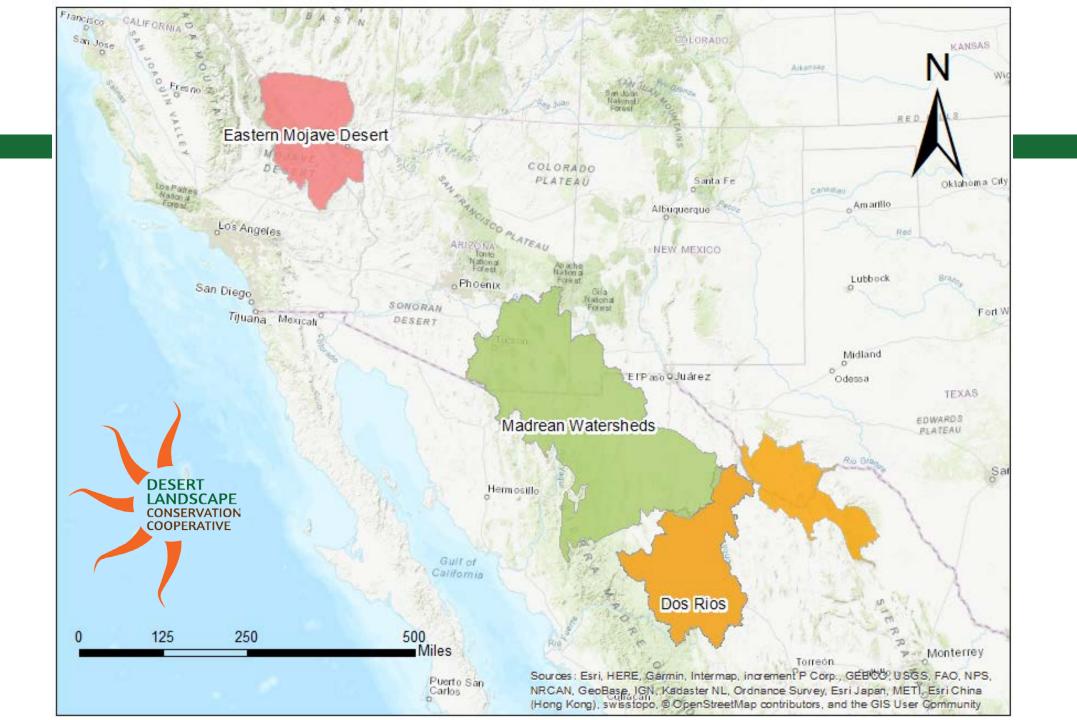
DESERT LANDSCAPE CONSERVATION COOPERATIVE

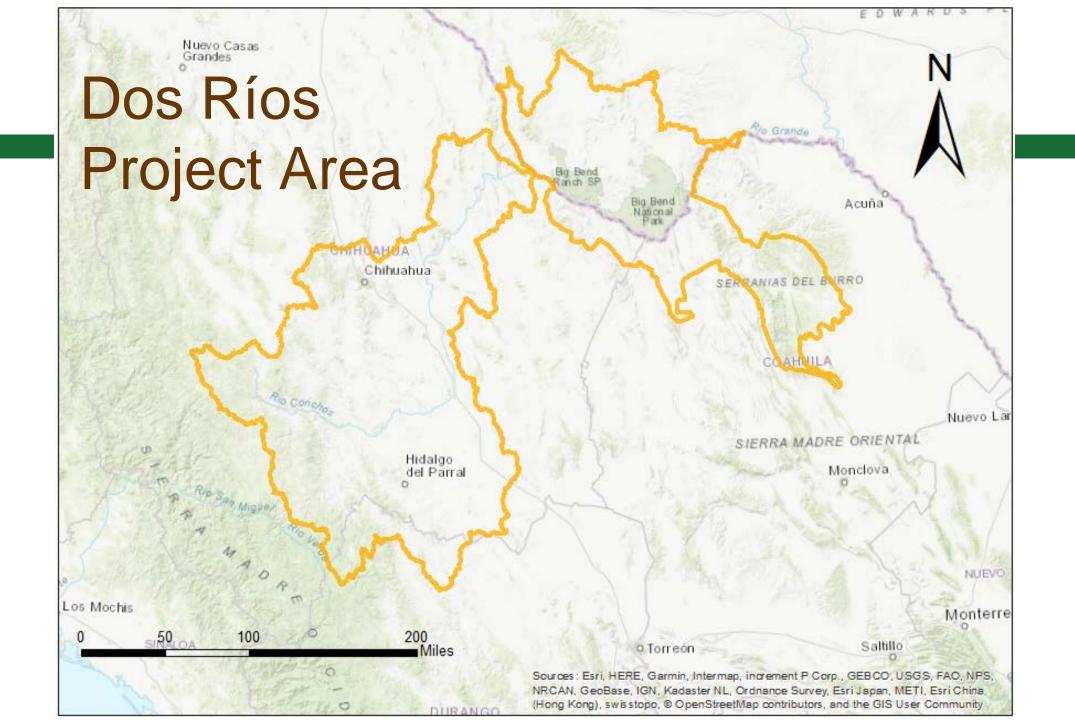
#### Landscape Conservation Design

- Planning to meet conservation partners' and stakeholders' missions, mandates, and goals
- Ensure sustainability of ecosystems across large landscapes
- Collaborative process
  - Measurable objectives
  - Biological goals
  - Socio-ecological goals



	Traditional planning	LCD Characteristics
People	Agents represent single institutions	Cross-juncdictional, multi-sector representation
	"Internal" coordination/facilitation	Bridging entity (impartial 3 <sup>rd</sup> party) coordinates
Purpose	Achieve agent's mission, mandates, goals	Achieve partners mission, mandates, goals
	Agent-specific learning and decision-making	social learning and decision-making
Process	Agent-centric	Partner-centric
	Within institutional boundaries	Beyond institutional boundaries
	Regulatory	Collaborative
	Partners provide input to process/products	Partners direct process/products
	Science informs single-agent programs & strategies	Science informs multiple partner programs & strategies
	Vertical/agent specific decision-making	Strategic, collaborative decision-making
Products	Determined by agent	Determined by partners
	🔭 xt, maps, data	Same, plus decision-support tools, cooperative agreements, etc.
	Directs site-specific action	Provides landscape-scale strategic guidance





#### Landscape Conservation Design Process

- Vision statement and goals
- Identifying indicators for planning and monitoring
- Spatial analysis
- Scenario planning, including climate change
- Adaptive strategies
- Conservation design/blueprint

We are building on an existing foundation of trust and binational, collaborative conservation.



#### Dos Ríos Landscape

- Borderlands of the Chihuahuan Desert
  - Grasslands
  - Riparian & aquatic ecosystems
- Large tracts of unfragmented land
  - Public and private land stewardship
  - Impacted by increasing resource and land development
- Strong public-private conservation partnerships
- Without broad-scale planning, we risk:
  - Damaging grasslands (wildlife, hunting, livestock, ranching, tourism)
  - Damaging areas that recharge aquifers (ecosystems, municipalities, agricultural, wildlife)
  - Reduced quality of life

#### Dos Ríos: Building on Previous Work

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- Big Bend-Rio Bravo Conservation Assessment, Commission for Environmental Cooperation (2010 – 2013)
- Desert Grasslands Assessment, Bird Conservancy of the Rockies
- Manejo Intregrado de la Cuenca del Río Conchos, World Wildlife Fund

## Dos Ríos: Opportunities for Collaboration

- Binational cooperation
- Engaging and acquiring support from diverse partners
- Watershed (and water) management and conservation
- Establishing incentives for ecosystem services
- Developing innovative systems for collaboration
- Invasive species control
- Technology and information transfer

## Dos Ríos: Progress & Next Steps

- Hired coordinator, hosted binational meetings
- Next steps
  - Developing efficient indicator process
  - Hosting workshops, building on past efforts
  - Scenario planning
  - Case Studies

# Collaborative Conservation & Adaptation Strategy Toolbox



Collaboration	Cultural Resources	Desert Wildlife	Grasslands and Shrublands	Landscape conservation
Gallery of Case Studies related	Gallery of Case Studies related	Gallery of Case Studies related	Shrublands	design
Collaboration	to Cultural Resources	to Desert Wildlife	Gallery of Case Studies related to Grasslands and Shrublands	Gallery of Case Studies related to Landscape conservation design
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Landscape scale	Riparian and aquatic	Socioeconomics	Water Resources	Working Lands
monitoring	ecosystems	Gallery of Case Studies related	Gallery of Case Studies related	Gallery of Case Studies related
Gallery of Case Studies related Landscape scale monitoring	Gallery of Case Studies related to Riparian and aquatic ecosystems	to Socioeconomics	to Water Resources	to Working Lands
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#### Dos Ríos: Challenges & Lessons Learned

- Collaboration doesn't happen without trust
- Coordination is key (cat herders are required)
- Continuity and connections are important
- Funding sources can be fickle
- Patience and persistence are essential



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## Dos Ríos: Looking Forward

- Challenges we will continue working together to address:
  - How can we promote more sustainable use of water?
  - How can we support private landowners and ejidos in managing grasslands and wetlands sustainably?
  - How can we maintain connectivity of habitats for wildlife?
  - How will ecosystems and species respond to shifting climate conditions?
  - How can we engage the energy development sector in landscape conservation design?



#### Questions?

#### Dos Ríos Coordinating Team

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