



# Desert Landscape Conservation Cooperative



# DOI Secretarial Order 3289

Creates Energy and Climate Change Council  
for Oversight and Coordination of:

- Department-wide Response to Climate Change
- Climate Science Centers
- Landscape Conservation Cooperatives
- Data Integration and Management
- Carbon Storage Activities
  - Geological Sequestration
  - Biological Sequestration
- Carbon Footprint Project





## **DOI Climate Science Centers: Delivering Fundamental Climate- Impact Science to Resource Managers on a Regional Basis**

- National Climate Change and Wildlife Center at USGS HQ.
- Eight regional Climate Science Centers (CSCs):
  - provide scientific information, tools and techniques for land, water, wildlife, and cultural resource managers to adapt to climate and ecologically-driven responses at regional-to-local scales.
  - deliver basic climate-change-impact science to Landscape Conservation Cooperatives (LCCs)
  - prioritize fundamental science, data and decision-support activities to meet the needs of the LCCs.
  - work with the LCCs to develop adaptive management and other decision-support tools for managers.





# **Landscape Conservation Cooperatives: The On-the-Ground Applied Science and Adaptive Management Arm**

Landscape Conservation Cooperatives focus on-the-ground strategic conservation and adaptive management efforts at the landscape level.

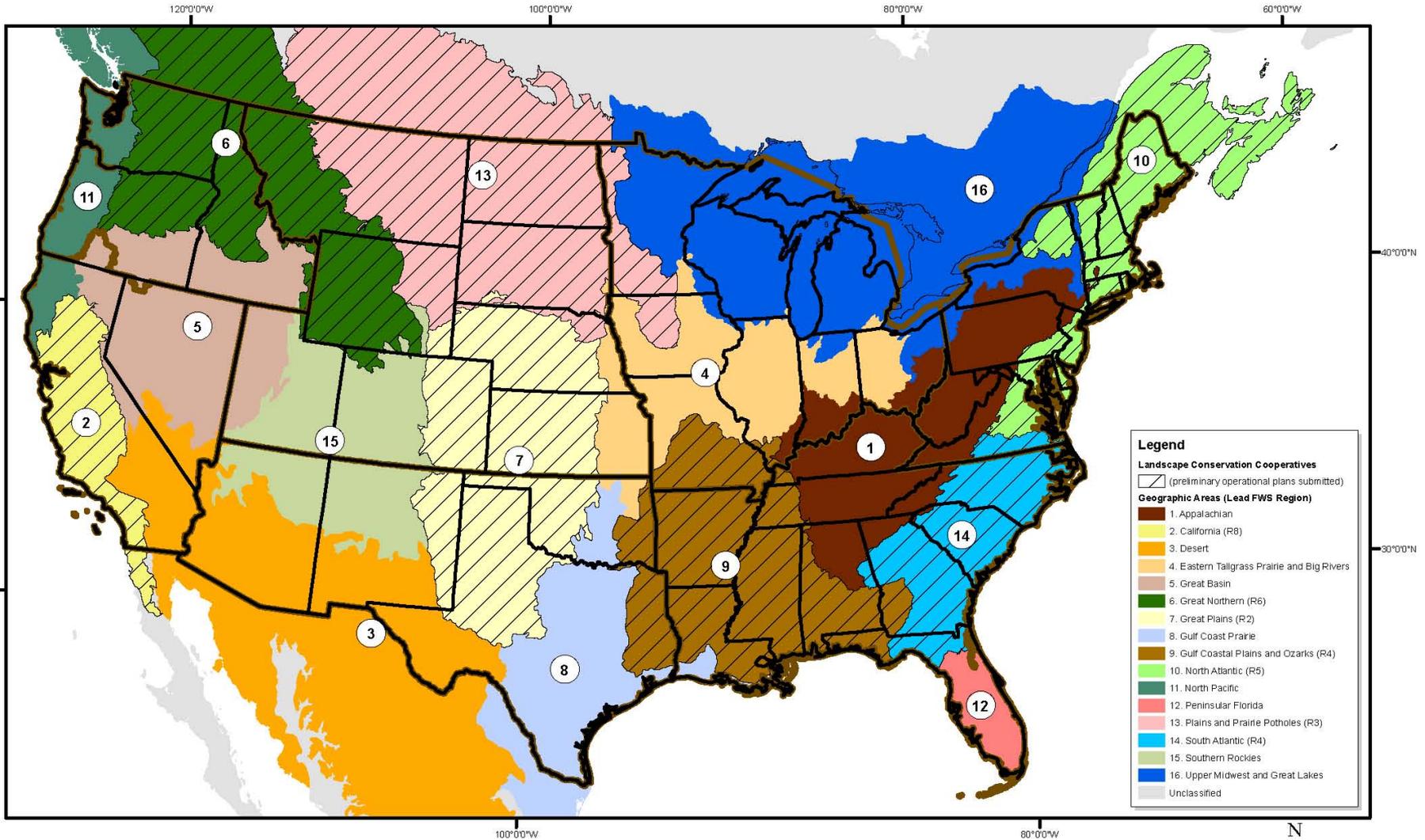
- Management-science partnerships that inform integrated resource-management.
- Link science and conservation delivery.
- LCCs are cooperatives, formed and directed by land, water, wildlife, and cultural resource managers and other stakeholders.
- Steering committees will include representatives from governmental entities (federal, state, tribal, and local), as well as non-governmental organizations.
- Each LCC functions within a specific landscape, but is also part of a national, and international network.
- We invite all federal, state, tribal, local government and non-governmental management organizations to become partners.





# U.S. Department of the Interior

## Landscape Conservation Cooperatives - Interim Geographic Framework



Produced by FWS, IRTM, Denver, CO  
Map Date: 01222010

0 175 350 700 1,050 1,400 Miles

0 400 800 1,600 2,400 3,200 Kilometers



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NAD83

# Some Challenges

- DOI-wide collaboration
- Successful external partnerships
- Focus on the large picture and local-scale needs
- Combine efforts to respond to restoration, adaptation, and mitigation efforts

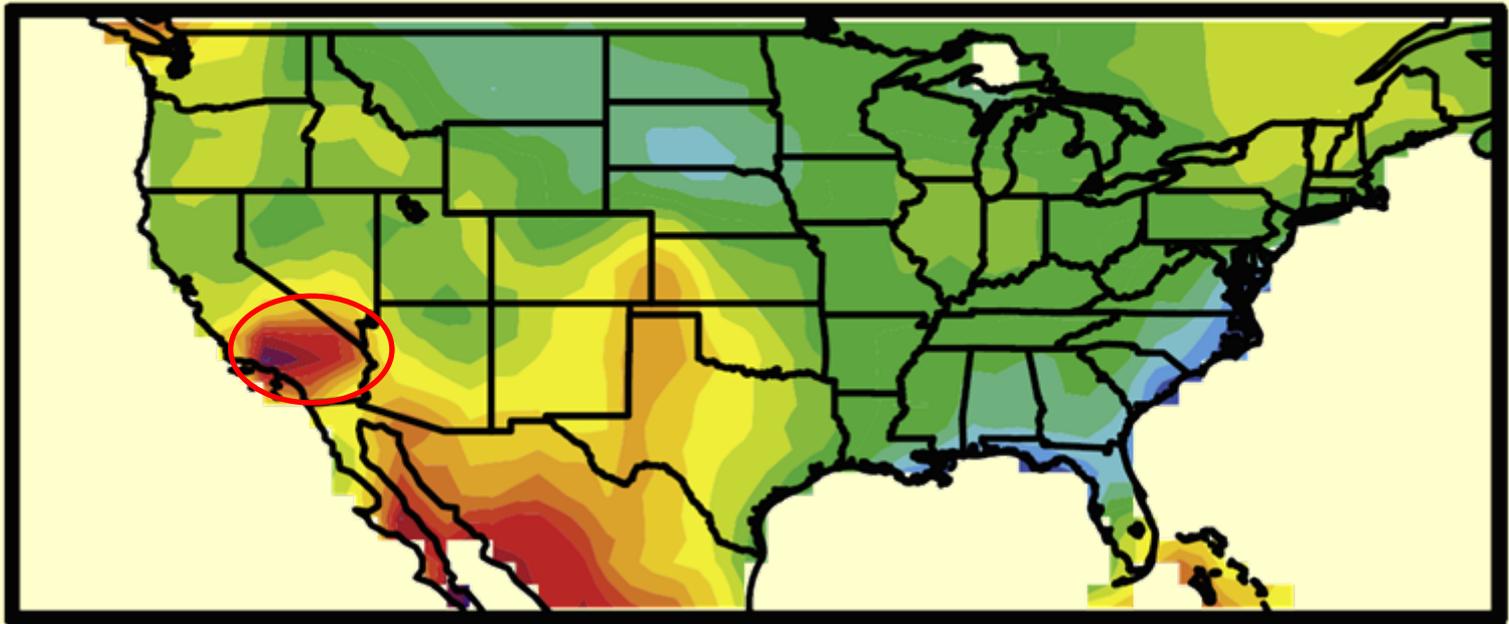


# LCC Benefits to DMG Mangers

- Opportunity to provide high priority science that informs on-the-ground management and conservation decisions
- Coordination of multiple scientific initiatives
- Technology transfer of science to land and resource managers



# Results of 15 GCMs from the IPCC Fourth Assessment Report 2071-2099



Diffenbaugh, N. S., F. Giorgi, and J. S. Pal (2008), Climate change hotspots in the United States, *Geophys. Res. Lett.*, 35, L16709, doi:10.1029/2008GL035075



# Update on Desert LCC

- FWS and BOR will co-convene the Desert LCC
- Funding will come through BOR and BOR will employ GS-14 LCC coordinator
- FWS in Albuquerque will employ a GS-14 science coordinator
- A core organizing team is being assembled
- There seems to be consensus that the Desert LCC should be broken into ecoregional subunits.
- Informational materials are being developed and a series of workshops will occur to engage stakeholders/agencies
- BOR has about \$450k in FY10 that will be used by BOR internally for staff travel and support, to help fund state and tribal involvements, and possibly to fund a broad research RFP



# Next Steps for Desert LCC

- Outreach to partners, especially state wildlife agencies
- Development of a draft operational plan and initial steering committee by end of FY10
- Development of a proposed governance of DMG, SNAP, and MDI would collaborate in the Mojave. I.E. how do we build a collaborative of collaborations?
- Immediate needs in the Mojave are for science coordination and data stewardship (regardless of LCC)



