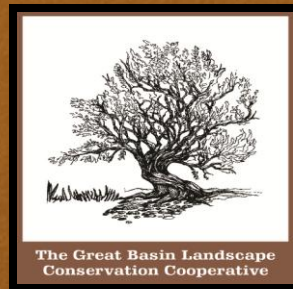


# Priorities for the Great Basin

## Landscape Conservation Cooperative



Tahoe Basin Science Conference  
Todd Hopkins



[www.greatbasinlcc.org](http://www.greatbasinlcc.org)

# Secretarial Order No. 3289



*“The conservation community must establish increasingly effective and coordinated mechanisms for science development, the sharing and transfer of science and related information, and the creation of innovative and effective science-based conservation tools, all predicated upon on collaboratively developed priorities.”*

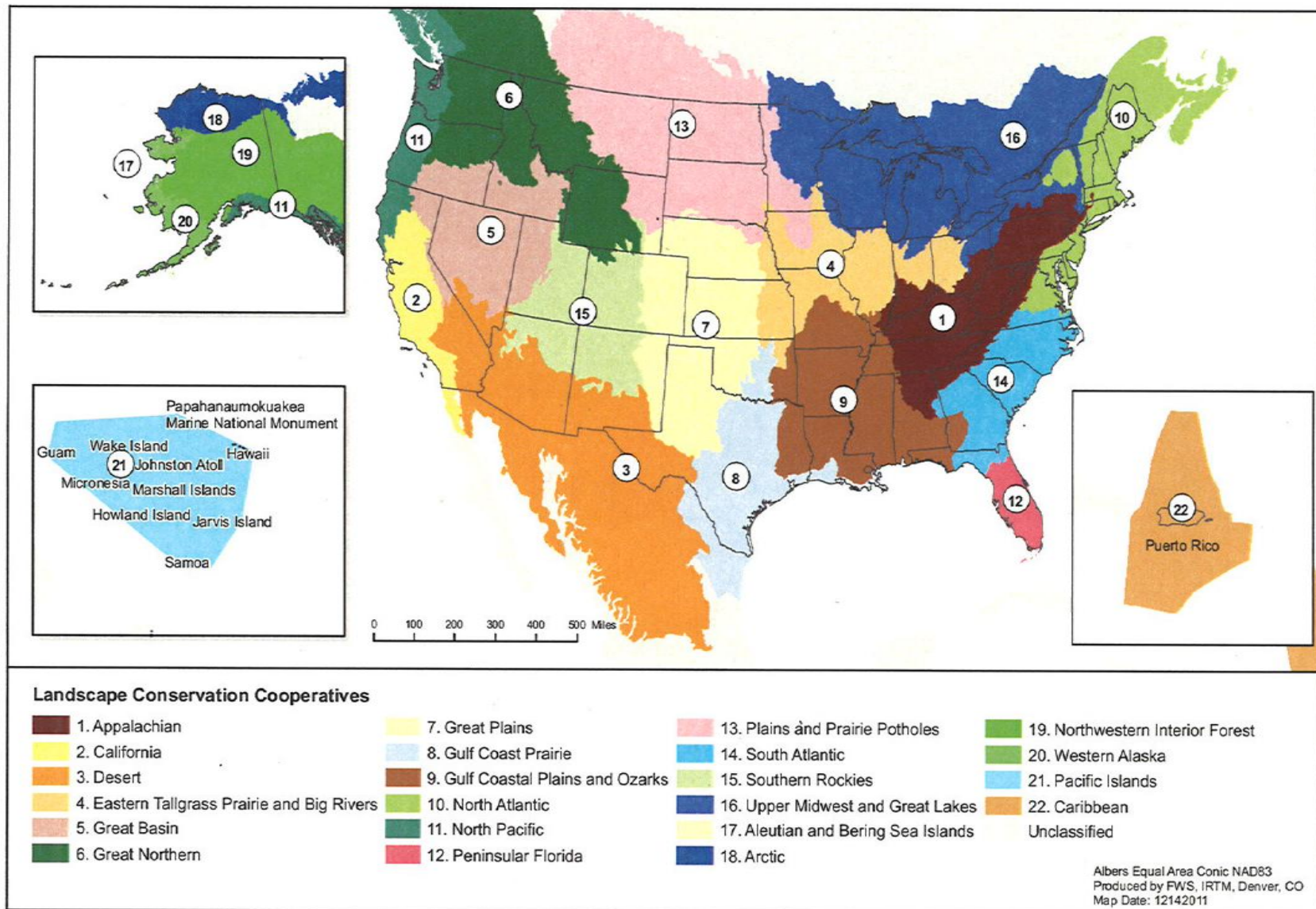
- Secretary Salazar, September 2009

# What are LCCs?



- ❧ **Public-private partnerships** composed of states, tribes, federal agencies, non-governmental organizations, universities and others.
- ❧ **Role:** to leverage funding, staff and resources; to develop common goals; to develop tools and strategies to inform landscape-scale planning and management decisions; to link science to management; and to facilitate information exchange among partners.

# Landscape Conservation Cooperatives (LCC)



# Why A Landscape Approach?



## Management Characteristics

<b>Traditional Practice</b>	<b>Landscape Approach</b>
<b>Project Focus</b>	<b>Landscape Focus</b>
<b>Program/Functional Direction</b>	<b>Integrated Direction Across Programs</b>
<b>Unit Decision Making</b>	<b>Cross-Jurisdictional Decision Making</b>
<b>Unit Priorities</b>	<b>Collaborative Partnership Priorities</b>
<b>Program Accomplishments</b>	<b>Integrated Accomplishments Across programs with Partnerships</b>
<b>Tend to Authorize Uses and Mitigate Ecological Values</b>	<b>Ecological Values and Use Authorizations Considered Equally</b>
<b>Ecological Component (individual species)</b>	<b>Ecological Function and Service</b>
<b>Agency Funding</b>	<b>Partnership Leveraged Funding</b>

# LCC Functions



- ❧ Forum for strategic response
  - ❧ Convene partners
  - ❧ Coordinate activities across partners
  - ❧ Integrate activities under a regional strategy for adaptation
- ❧ Prioritize science needs and convey them to the Climate Science Centers (CSC)
- ❧ Apply CSC products in adaptive management partnerships

# The Great Basin

**“An Army of Caterpillar's marching towards Mexico”**

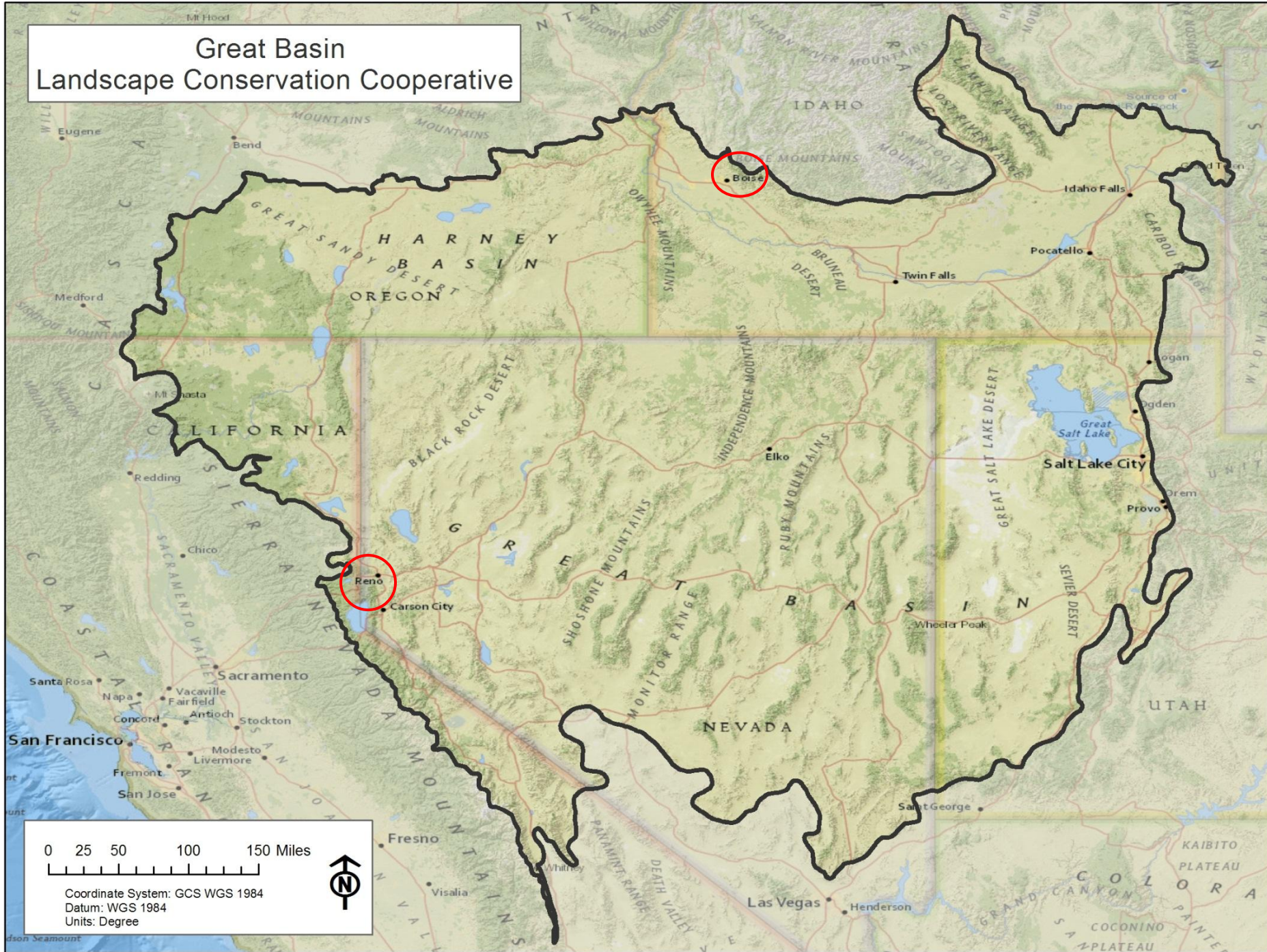
*Clarence Dutton 19<sup>th</sup> century geologist*



- America's largest desert: 185,000 sq mi
- Wildfire cycle was 20-100 years
- Half of it gets <12 inches precip/year
- Topography: Mt Whitney 14,505 ft  
to Badwater Basin -282 ft
- Population: 3.1 Million



# Great Basin Landscape Conservation Cooperative



# Great Basin LCC Steering Committee



**Nevada Mining Association**

**Great Basin Cooperative Ecosystem Studies Unit**

**Partnership for National Trails,**

**Great Basin Research & Management Partnership,**

**California Department of Fish and Game**

**State of Utah**

**US Forest Service**

**Great Basin Environmental Program**

**Farm Service Agency**

**US Fish and Wildlife Service**

**Great Basin Water Network**

**Nevada Department of Wildlife**

**Bureau of Land Management**

**Natural Resources Conservation Service**

**Public Lands Council**

**Paiute Indian Tribe of Utah**

**US Geological Survey**

**PacifiCorp**

**Eastern Nevada Landscape Coalition,**

**Duckwater Shoshone Tribe,**

**The Nature Conservancy**

**Lahontan Audubon Society**

**Nevada Association of Counties**

# Great Basin Cooperative Mission

To **enhance understanding of the effects of changing climate and other natural and human impacts across the region** and promote the **coordination of science-based actions** to enable human and natural communities to respond and adapt to those conditions.



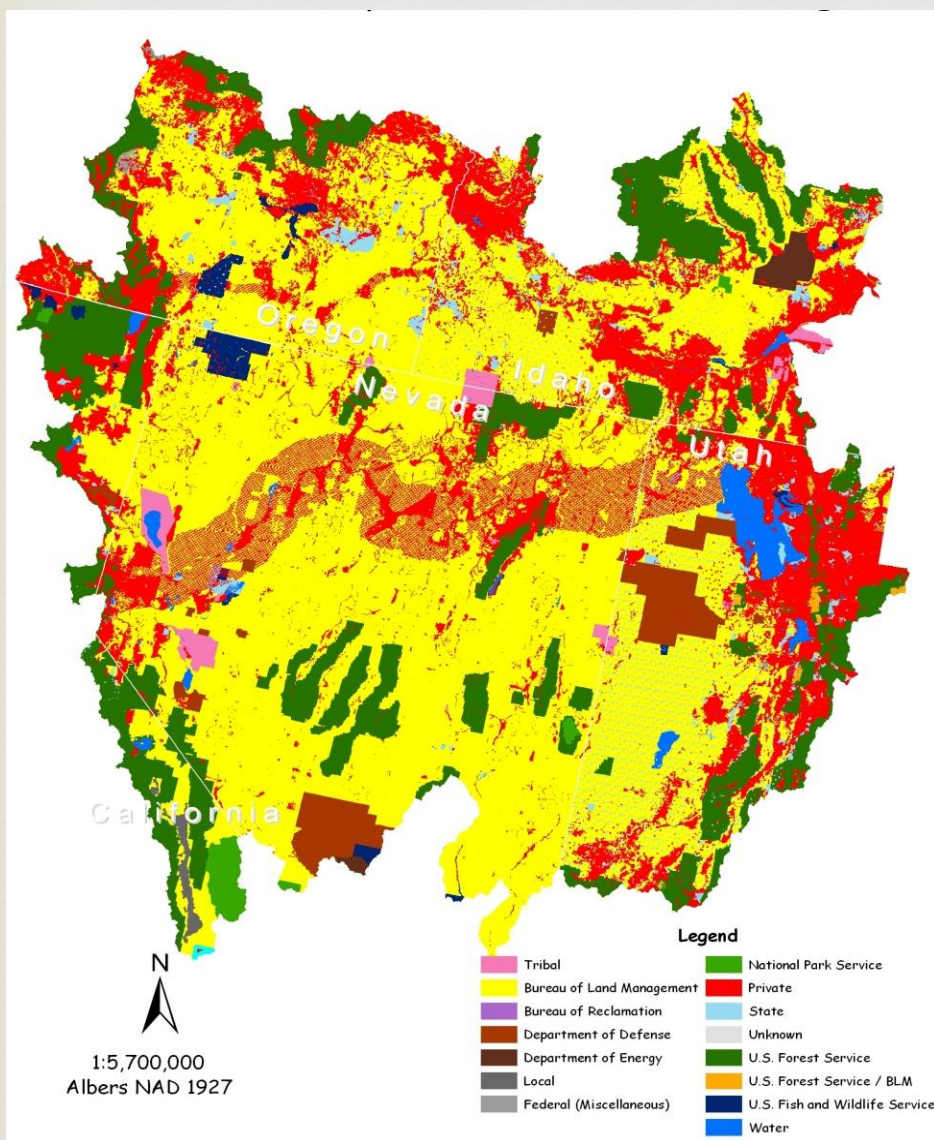
## Goals:

- Provide leadership*
- Focus science and management*
- Enhance collaboration*
- Promote communication and education.*



Ms. Linda Kelly (center) GBLCC Coordinator

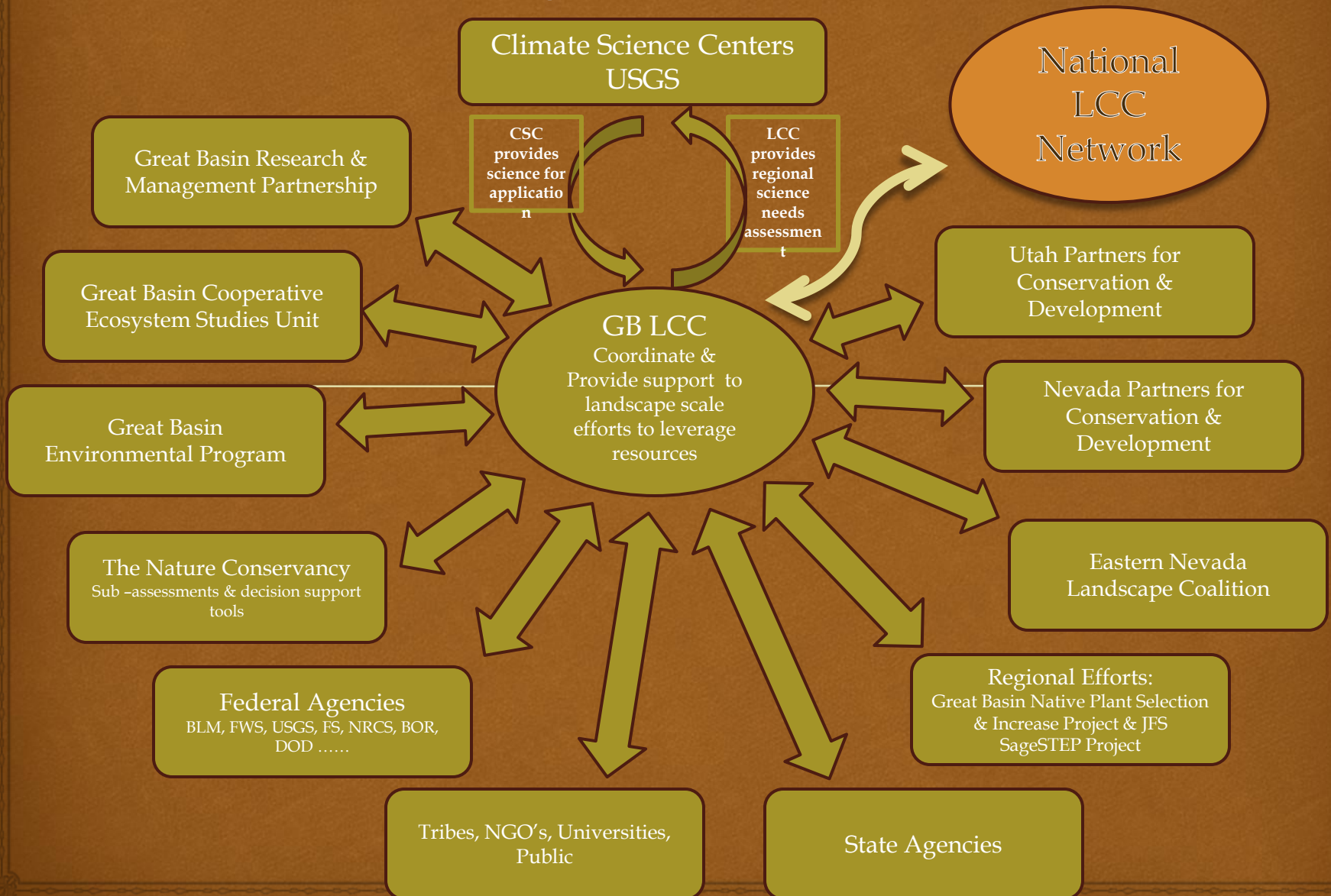
# Great Basin Land Ownership



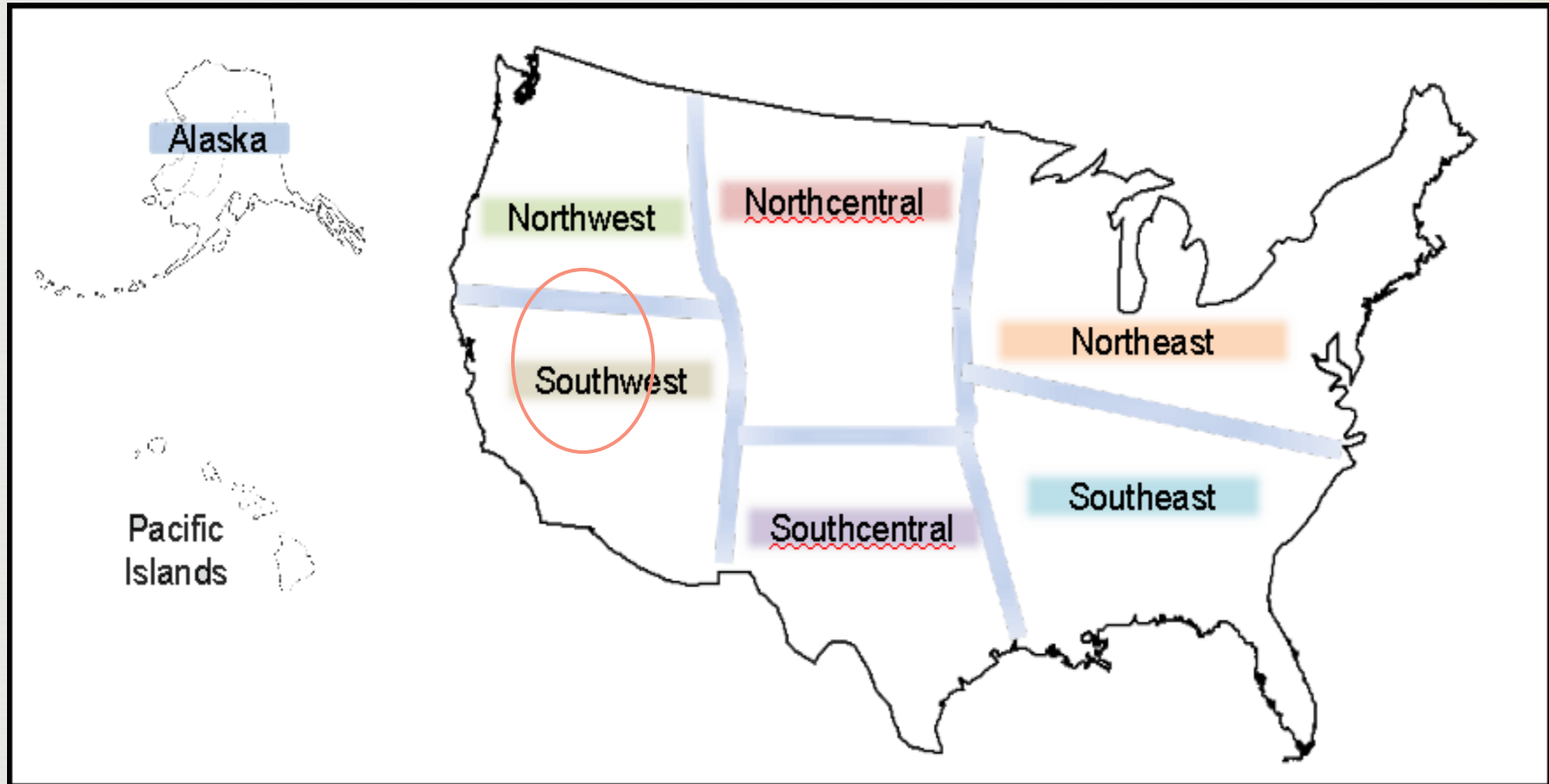
## 72% Federal Management

	Acres	Percentage
Tribal	1,382,365	0.95%
<b>Bureau of Land Management</b>	<b>78,499,886</b>	<b>53.93%</b>
Bureau of Reclamation	38,321	0.03%
Department of Defense	3,570,405	2.45%
Department of Energy	670,169	0.46%
Local	358,390	0.25%
Federal (Miscellaneous)	132,831	0.09%
<b>National Park Service</b>	<b>919,144</b>	<b>0.63%</b>
Private	32,385,413	22.25%
State	3,716,394	2.55%
Unknown	7,296	0.01%
<b>U.S. Forest Service</b>	<b>20,343,170</b>	<b>13.98%</b>
U.S. Forest Service / BLM	191,902	0.13%
<b>U.S. Fish and Wildlife Service</b>	<b>1,319,074</b>	<b>0.91%</b>
Water	2,011,978	1.38%
<b>Total</b>	<b>145,546,736</b>	<b>100.00%</b>

# Great Basin Landscape Conservation Cooperative Organizational Concept



# Climate Science Centers



CSCs will deliver climate-change science to Landscape Conservation Cooperatives, including physical and biological research, ecological forecasting, and multi-scale modeling.

# 2012 Priorities

## Set by the Great Basin LCC Steering Committee



### ❧ **Coordinate**

science/conservation of  
sage-dependent species  
and habitats.

### ❧ **Facilitate** information transfer of cheatgrass die- off study outcomes.

### ❧ **Build upon** the Rapid Ecoregional Assessments including alternative future scenarios.

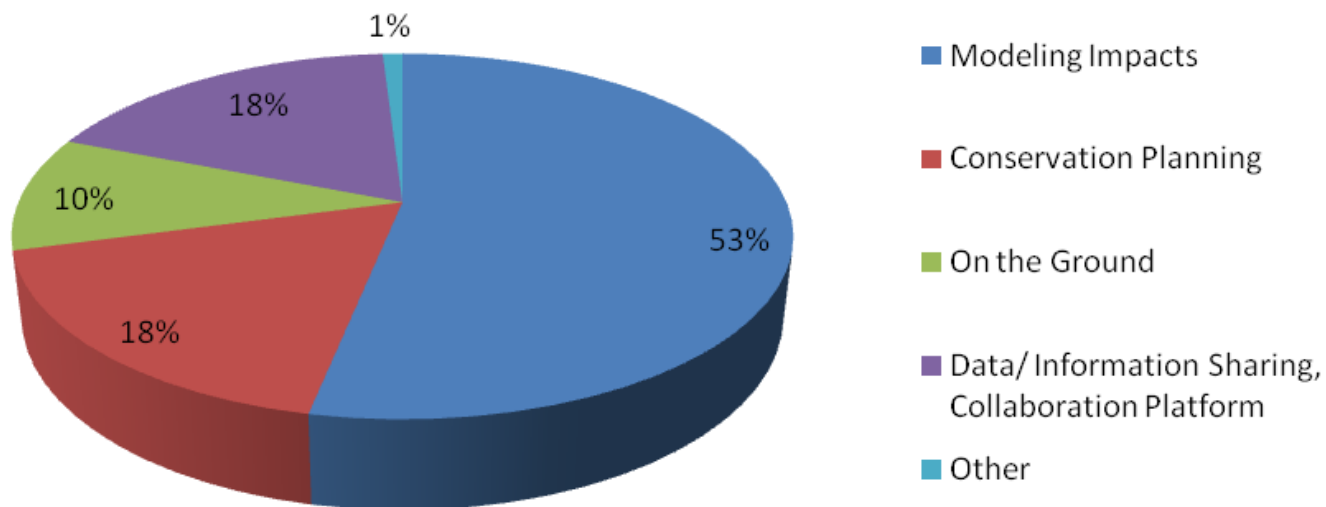


*“The Greater Sage Grouse,  
an icon of the American  
West, depends on healthy  
landscapes.”*

# Where the funding has gone



## Combined FY11 and FY10 LCC Spending



Source: Defenders of Wildlife, 4/2012, Noah Matson's Blog

# greatbasinlcc.org



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