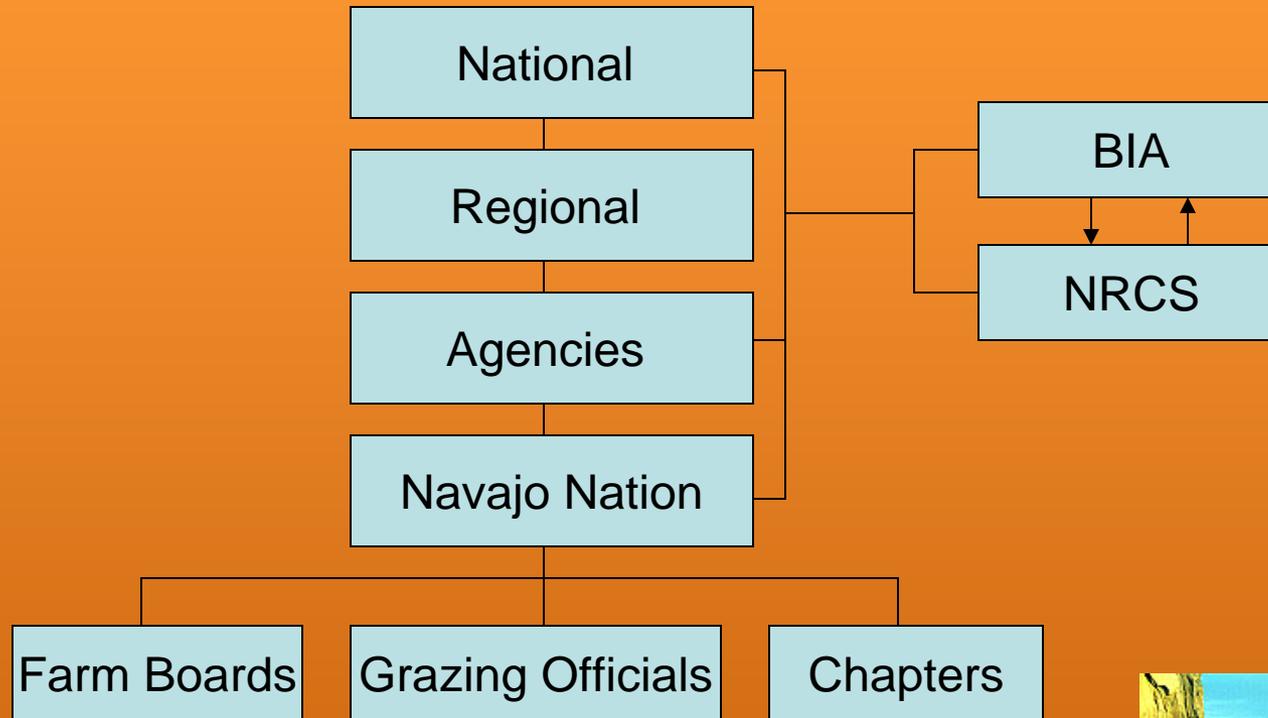


WORKING TOGETHER

A photograph of a large, natural rock archway in a desert landscape. The arch is made of reddish-brown sandstone and frames a view of a blue sky and distant hills. In the foreground, there is a low stone wall made of rectangular blocks. The background features more rugged rock formations and some green trees under a clear blue sky.

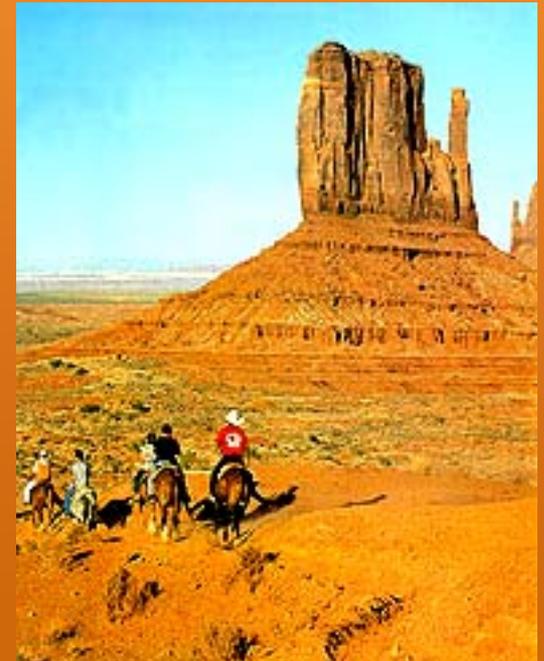
Bureau of Indian Affairs
Navajo Region and NRCS

Navajo Region & NRCS Cooperate at all levels



A Large and Complex Nation

- Utah, Arizona, and New Mexico
- 31% of land managed by BIA
- 17 million acres – About the size of New Jersey
- Population –250,000 to 300,000
- 58.5% of Navajos lack plumbing
- 68.4% of Navajo lack telephone
- Travel long distances on dirt roads for amenities



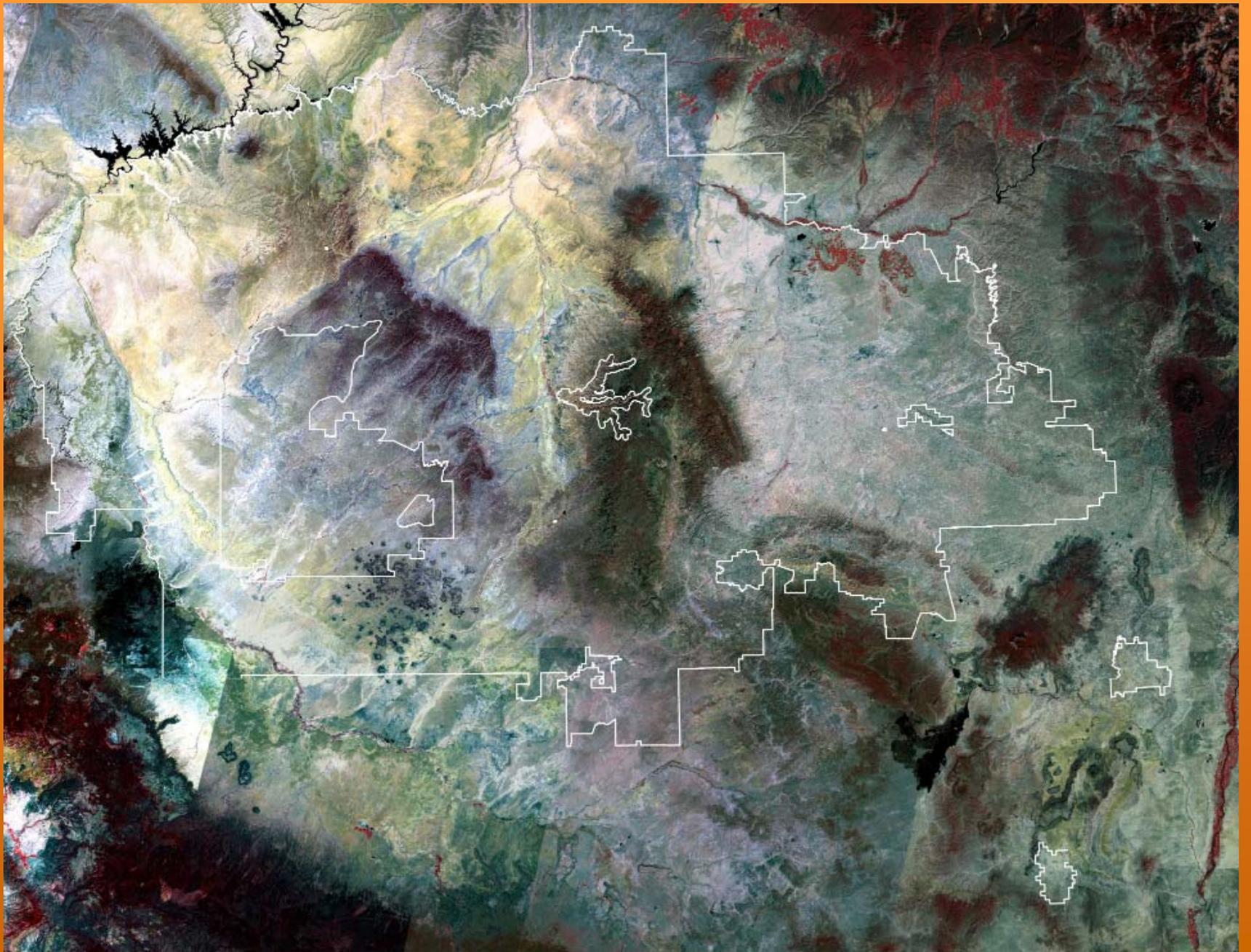
Data from: Chapter Images, 2004 Edition
Navajo Nation Division of Community Development

7 Vegetation Zones

1. Mohave Desert with 5"-7" PV
2. Semi-desert grasslands with 6.5" to 8.5" PZ
3. Mixed grasslands with 8.5" to 12" PZ
4. Sagebrush Steppe with 12"-15" PZ
5. Pinyon-Juniper Woodlands with 15"-18" PZ
6. Ponderosa Pine with 18"-21" PZ
7. Mixed Conifer with 21" + PZ



Seven zones described by Lyngholm (1978)



Vegetative Types on the Navajo Nation

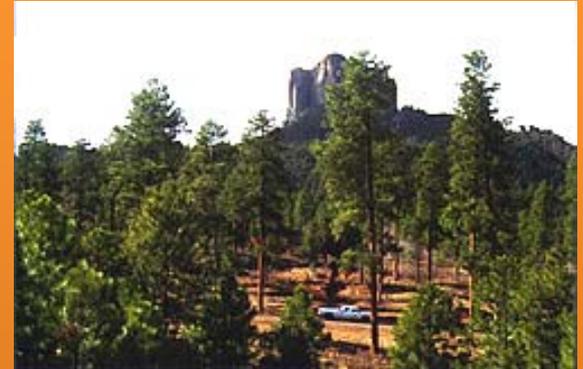
Precipitation ranges from 5-25" per year



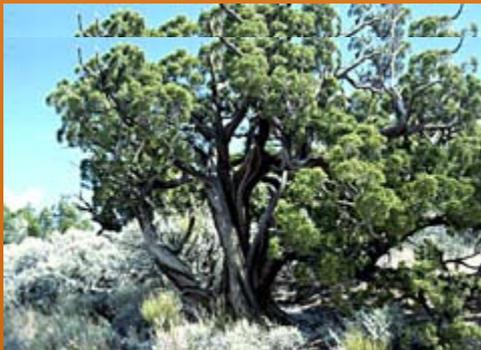
Pinyon Tree



Black Mesa Navajo Nation



West Slope of Chuska Mtns.



Juniper

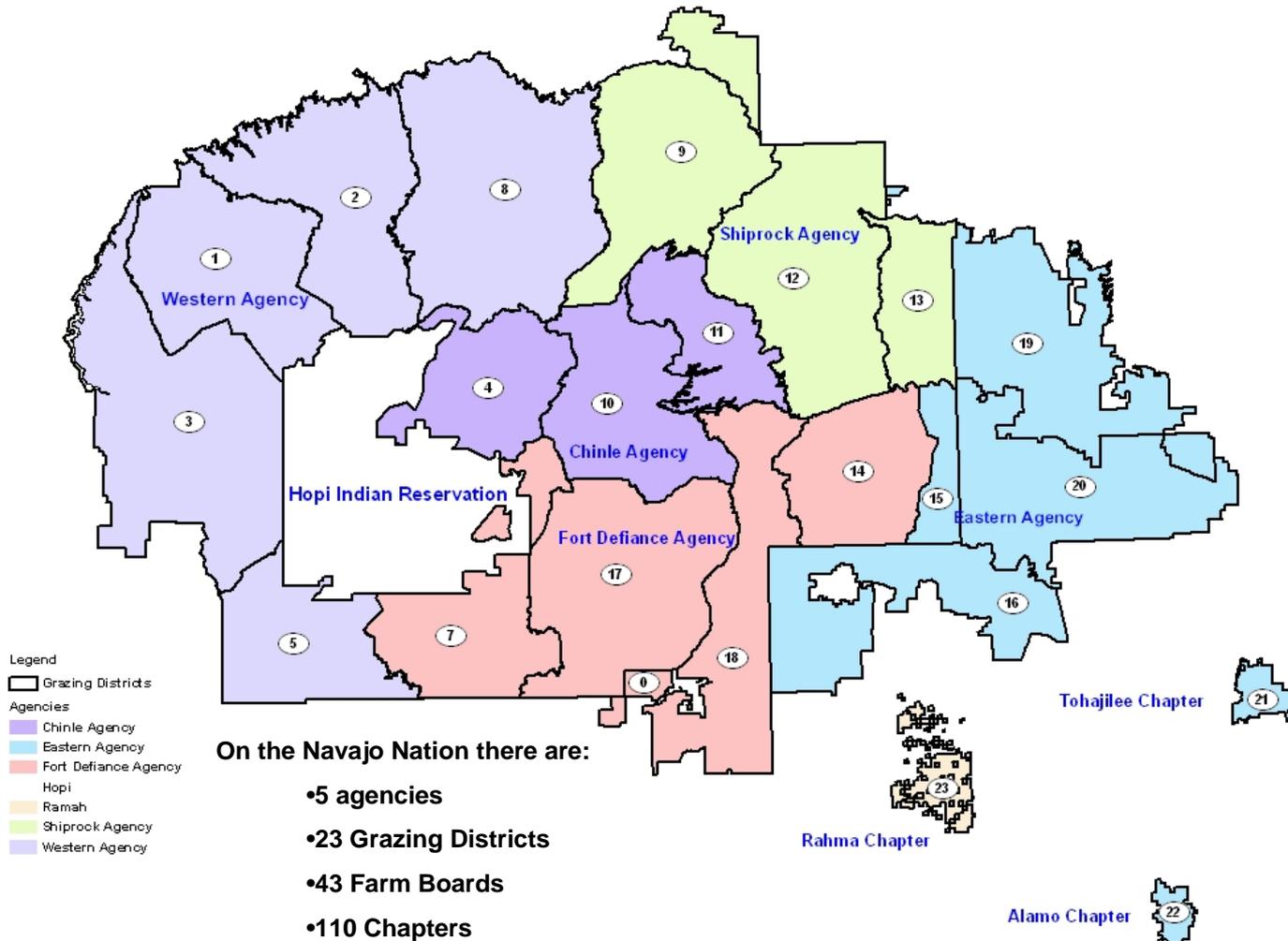


**Semi-arid Grass and
Shrub Lands**



**Mountain Meadows,
Chuska Mountains.**

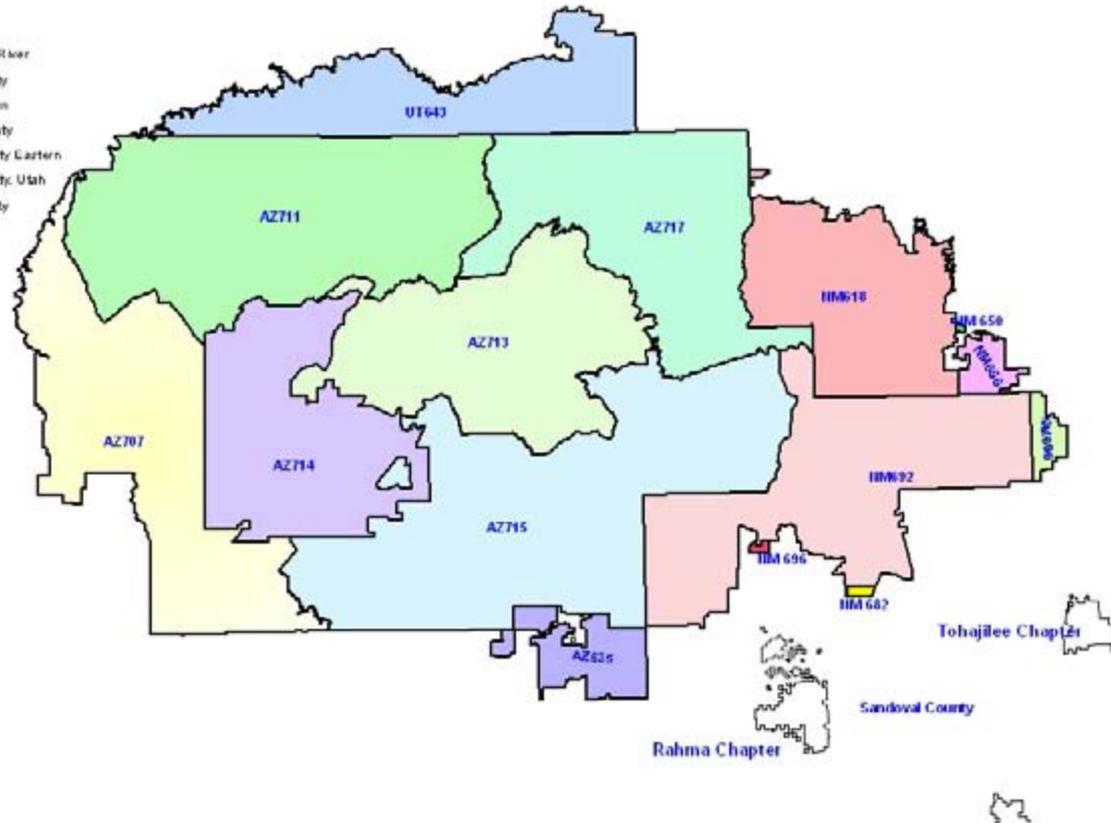
Navajo Agencies and Grazing Districts



Soil Surveys on the Navajo Nation

Legend

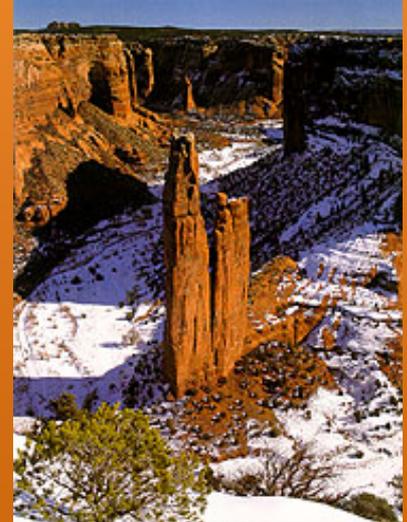
- Apache County, Central
- Cabazon Area
- Chino Valley
- Cibola County
- Cibola National Forest/Ar
- Fort Defiance
- Hopi
- Little Colorado River
- Mohrley County
- Navajo Mountain
- Rio Arriba County
- San Juan County Eastern
- San Juan County, Utah
- Sandoval County
- Shiprock



Navajo Region-NRCS Agreements

Past Agreements

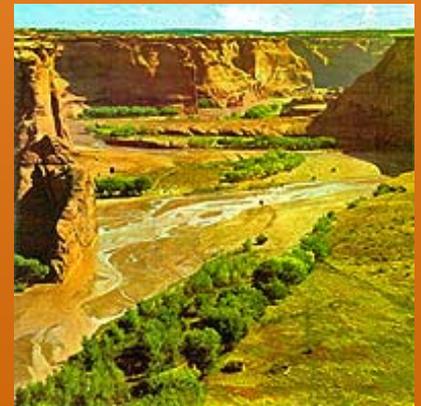
- NM NRCS provided financial and technical assistance with the Ft. Defiance Soil Survey
- Provided BIA Soil Department an office in the Gallup Field Office for two years.



Spider Rock

Soil Survey MOUs

- BIA lead agency on Chinle and Ft. Defiance Surveys
- 2006 – Congress mandated NRCS to finish all US Soil Surveys by 2010
- Tribal lands – considered private land



Canyon De Chelly

BIA Navajo and the Arizona NRCS Agreed

- NRCS would finish the Ft. Defiance and Chinle Surveys
- BIA would provide 30% of one FTE to assist with the field work



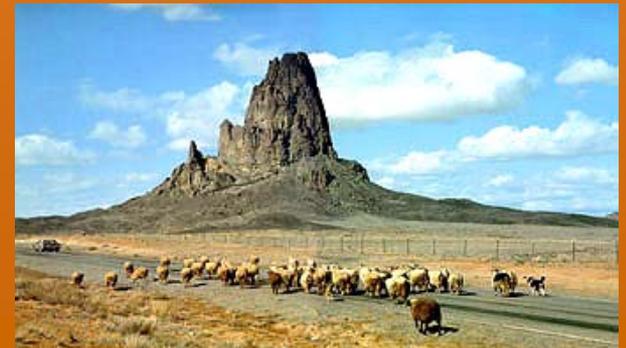
Progress

- Ft. Defiance and Monument Valley Surveys are published
- Field work on Chinle in March 2009 was half finished
- Little Colorado River is partially complete



Interagency Agreement for Technical Assistance with Ecological Classification

- Five year agreement - four surveys
- 10 million acres
- NRCS
 - ecological site to soil correlation
 - Ecological Site Descriptions
- BIA - \$500,000 per year



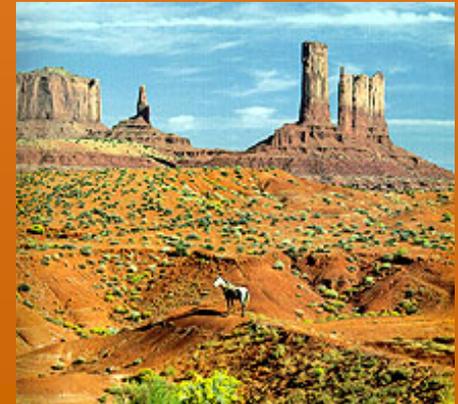
- 7,809 grazing permits within the four surveys
- Progress
 - Fort Defiance has been completed
 - Currently working on the Monument Valley SS



Monument Valley

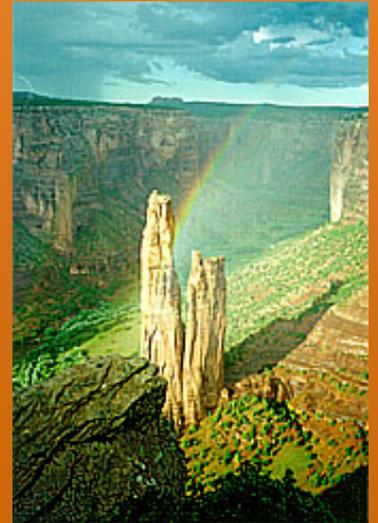
Conservation Work

- New Mexico, Arizona and Utah Field Offices
- Develop conservation plans
 - Range Management Units
 - Farm Land Use Areas
- BIA Staff are being trained to become Certified Conservation Planners.



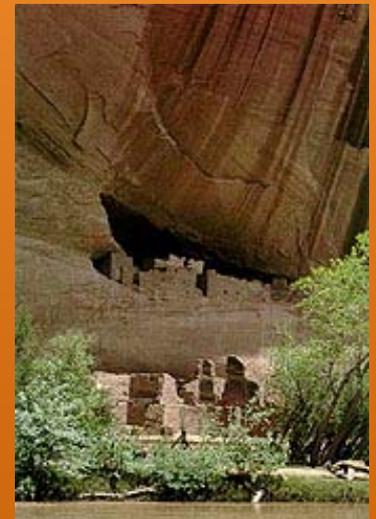
NRCS Salinity Project Shiprock Agency

- Part of the Colorado River Basin Salinity Control Program
- Located on McCracken Mesa in Utah
- 1100-1500 acres



Spider Rock

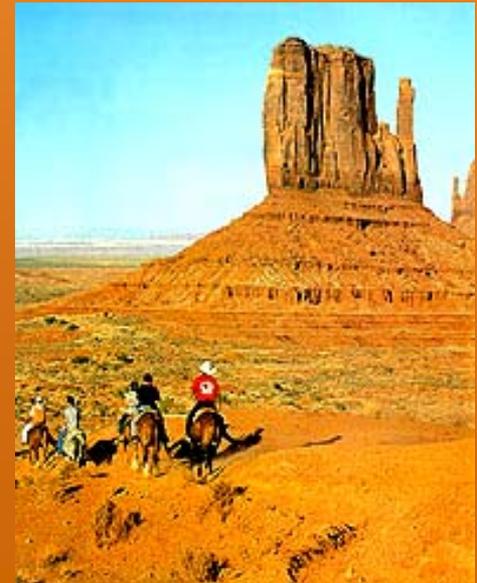
- Reduce runoff into the Colorado River
- Prescribed grazing
- Livestock exclusion 1-3 years
- Monitoring



White House Ruins

Noxious Weeds Coordinated Management Area

- Draft MOU between BIA, NRCS, Hopi, Navajo Nation and Peabody Coal
- Work will be on the Moenkopi Wash in Western Agency



The Diné

- Adapt new technologies to their advantage
- Traditions are being lost
- Recovering traditions



Navajo Cowboy

Traditional Agriculture

- Traditional Practices were Sustainable
- Intervention of the Federal Government
 - Wars, Treaty of 1868
 - Kit Carson
 - Confinement on the reservation
 - Long Walk
 - Boarding Schools
 - Collier



Dry Land Farming

A movement to reestablish agriculture

- As an economic base
- Return to traditional practices
- Integrate spirituality
- Learning new technology
- Exploring Markets

