

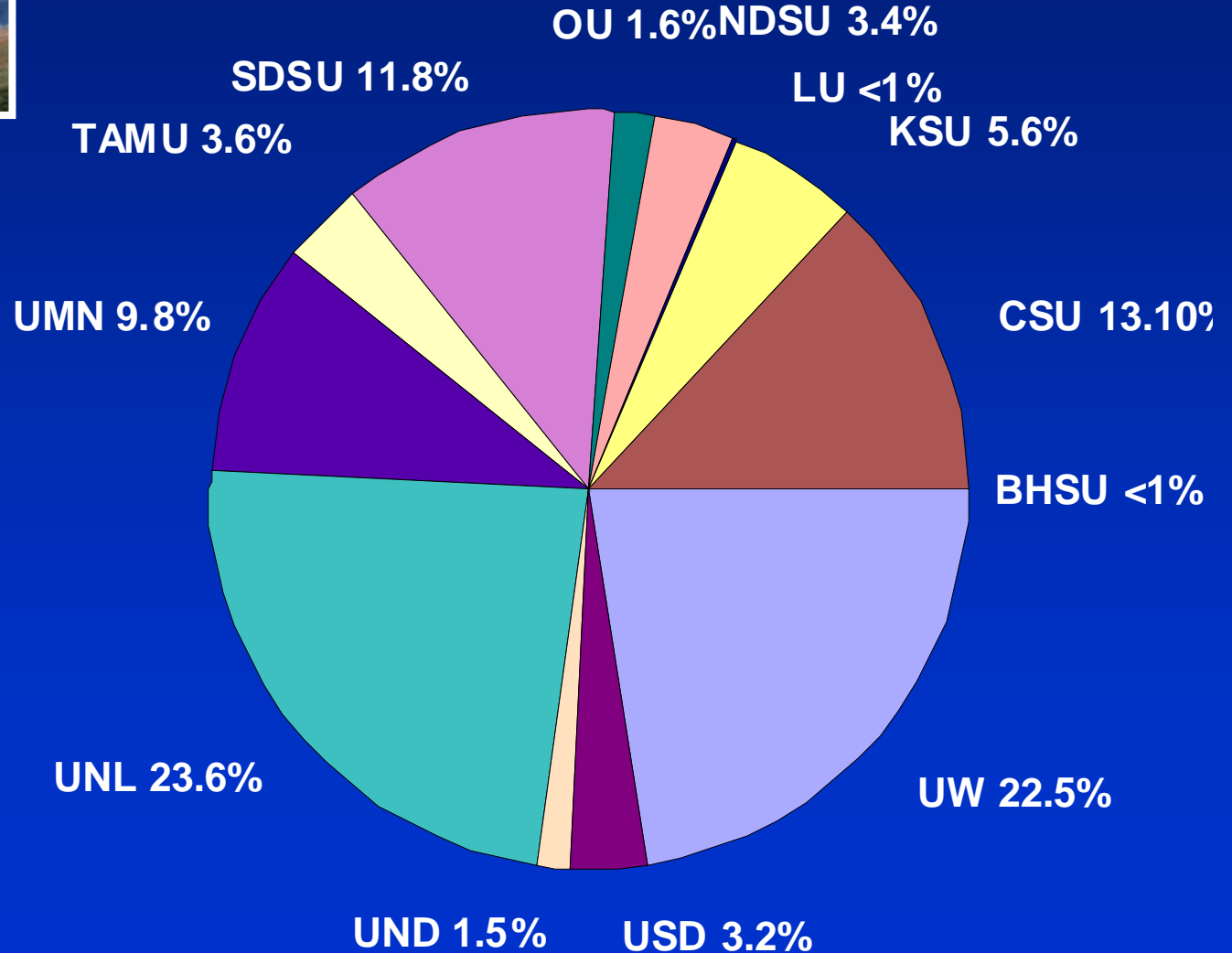
Great Plains CESU



GP-CESU



Percent Total Funds FY2001 - 2007 by University Partner





Great Plains CESU

- **Fund Sources in the National Park Service**
 - 82 Total (see handout)
 - Natural Resources
 - **Servicewide Comprehensive Call**
 - **Inventory and Monitoring Networks**



Great Plains CESU

- **NPS Servicewide Comprehensive Call**
 - Addresses funding sources (and available funds) to support natural resource projects (research, technical assistance, student education) in parks or groups of parks
 - Issued annually, usually in November, for future (1-3 years) projects
 - Issued to parks; parks write proposals (in partnership with CESU universities)
 - Projects are reviewed by NPS; compete for funds at regional or national level
 - Funds are awarded to parks/region; obligated to universities thru CESU cooperative agreement



Great Plains CESU

- **NPS Servicewide Natural Resource Funding Sources**
 - Air Quality-Ecological Effects
 - Natural Sounds-Acoustic Monitoring
 - Biological Resource Management
 - Environmental Quality
 - Disturbed Land Restoration
 - Natural Resource Management
 - Regional Block Allocation
 - Regional Small Park Allocation
 - Threatened/Endangered Species
 - Natural Resource Protection
 - Water Resources
 - Challenge Cost Share



Great Plains CESU

- **Non-NPS Servicewide Natural Resource Funding Sources**
 - Forest Health (USFS)
 - Park Oriented Biological Support (USGS)
 - **Natural Resource Preservation Research (USGS)**
 - Water Quality (USGS)



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- **Disturbed Land Restoration**

- Projects involve actions to correct damage to the physical structure and function of a site resulting from human developments and land uses
- Projects must be at least 10K and not more than 250K
- Projects must be completed in 3 years
- Proposals reviewed by national panel
- Recent examples:
 - Restore 18 acres of cropland to tallgrass prairie (Pipestone NM)
 - Restore 500 acres of bottomland old field to tallgrass prairie (Tallgrass Prairie National Preserve)
 - Remove dust accumulations along tour route in Wind Cave (Wind Cave NP)



Great Plains CESU

- **Natural Resource Management**

- To assist parks with natural resource management issue (typically expense)
- Projects must be 50K but not more than 900K
- Projects must be completed within 3 years
- Project are reviewed by a national panel
- Recent examples:
 - Determine erosion rates at select fossil sites (Badlands NP)
 - Treat noxious weeds in a wilderness riparian area (Theodore Roosevelt NP)
 - Control invasive woody plants in remnant tallgrass prairie (Tallgrass Prairie NPres)



Great Plains CESU

- **Regional Block Allocation**

- To provide support for all types of natural resource management projects
- 18K for 1 year
- Reviewed by regional panel
- Recent examples:
 - Write prairie management plan (Fort Union Trading Post NHS)
 - Develop forest management plan (Knife River Indian Villages NHS)



Great Plains CESU

- **Regional Small Park Allocation**

- To provide support for all types of natural resource management projects (in parks < 3,000 acres)
- 15K for 1 year
- Proposals reviewed by regional panel
- Recent examples:
 - Restore bur oak savannah (Homestead NM)
 - Implement butterfly monitoring (Homestead NM)
 - Trace hydrologic path of point source pollution in cave (Jewel Cave NM)



Great Plains CESU

- **Natural Resource Preservation Research (USGS)**
 - To support cooperative (between NPS and USGS) research in parks
 - USGS funds (with NPS history)
 - Proposals developed jointly (NPS/USGS); USGS funds (about 100K per year for a maximum of 3 years)
 - CESU partner universities can participate
 - Recent examples:
 - Fire history of the Great Plains (Missouri Coop Unit; University of Missouri)
 - Status and management of black-tailed prairie dogs on small cultural parks of the western Great Plains (Kansas Coop Unit; Kansas State University)
 - Restoration of swift fox at Badlands National Park (Northern Prairie Wildlife Research Center)

Network Concept

The 32 park networks are large enough for efficiencies through sharing staff & funding

Networks are small and local enough to respond to park-level issues and data needs and allow for local cost-leveraging opportunities





Great Plains CESU

- **Inventory and Monitoring (I&M) Networks in the Great Plains**
 - Northern Great Plains I&M Network (13 park units)
 - Joel Brumm, acting coordinator, Rapid City, SD
 - Heartland I&M Network and Prairie Cluster Prototype Monitoring Network (15 park units)
 - Mike DeBacker, coordinator, Republic, MO
 - Southern Plains I&M Network (11 park units)
 - Rob Bennetts, acting coordinator, Las Vegas, NM