

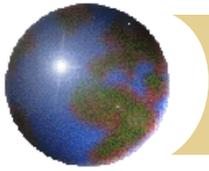


Partnerships within the Bureau

Identifying Priority Data Themes
Through Collaboration

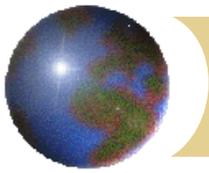
2009 National Land Use Planning Conference
March 4, 2009

Bob Bewley



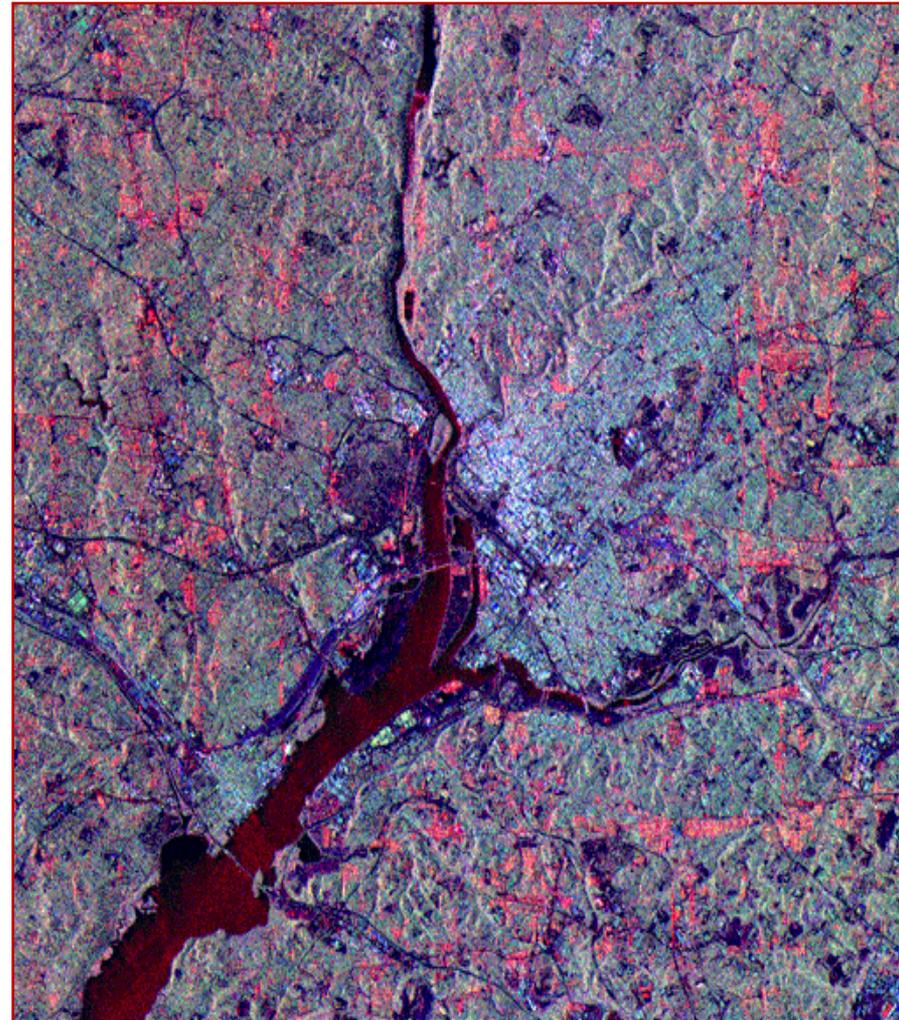
Program

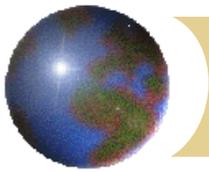
- Geospatial Services Strategic Plan (GSSP)
- Motivation
- Managing for Excellence Data Subcommittee (MEDS)
- Areas of Emphasis – Data
- FY 2009 - 10 BLM Data Themes
- Partnership Data
- Areas of Emphasis – Technology
- Service Oriented Architecture
- National Agricultural Imagery Program



GSSP Motivation

- BLM Budget for Geospatial + \$20 Million annually
- DOI Geospatial Modernization Blueprint
- OMB Geospatial Line of Business
- OMB Circular A-16: data collected at taxpayer expense should be standardized and shared
- Data Quality Act: must use good/best available data in decision-making
- Executive Order 12906: Coordinating Geographic Data Acquisition and Access
- Secretary's Order 3277 – Enhanced Geospatial Governance

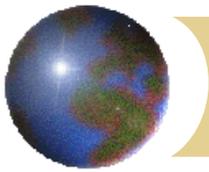




Geospatial Services Strategic Plan

- GSSP Signed by Director April, 2008
- Sponsored By The Managing for Excellence Data Sub-committee (MEDS)
- (MEDS) selected: Nine (9) priority goals and Thirty two (32) priority action items to be addressed during FY 2009

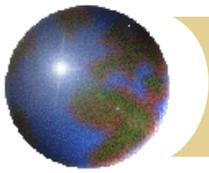




MEDS Team

Managing for Excellence Data Subcommittee

- Mike Mottice - OR
- Phil Allard - WO
- Scott MacPherson – WO
- Bob Anderson - WO
- Bob Milton – CA
- Mike Candelaria – ID
- Peter Ditton – ID
- Bob Bewley – WO
- Tim Varner - AK
- Jim Stovall – NM
- Kathy Jewell - MT
- Meline Rhinehart – NOC
- Duane Dippon – OR
- Ron Huntsinger - WO
- Erick Kurkowski - ID



Areas of Emphasis - Data

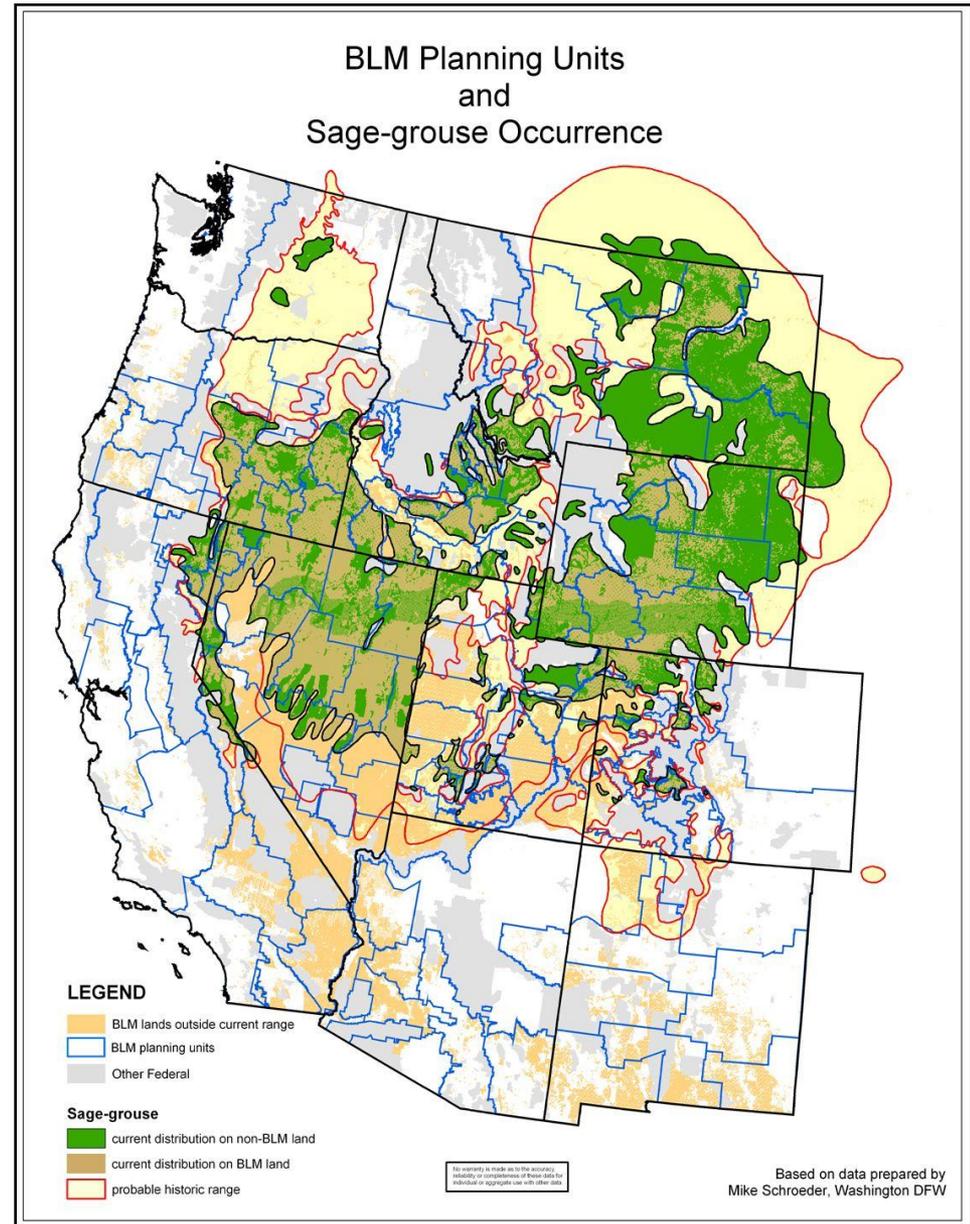
3.1 Ensure BLM's policies and guidance for geospatial data management support business requirements at all organizational levels.

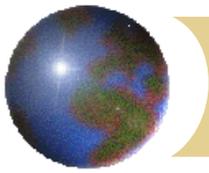
3.2 Coordinate BLM's collection of geospatial data with internal and external partners based upon priority needs.

3.3 Maintain catalogs, indices, and registries to facilitate access and data sharing.

3.4 Ensure processes exist to identify, develop, and implement data standards as required at all levels of the organization.

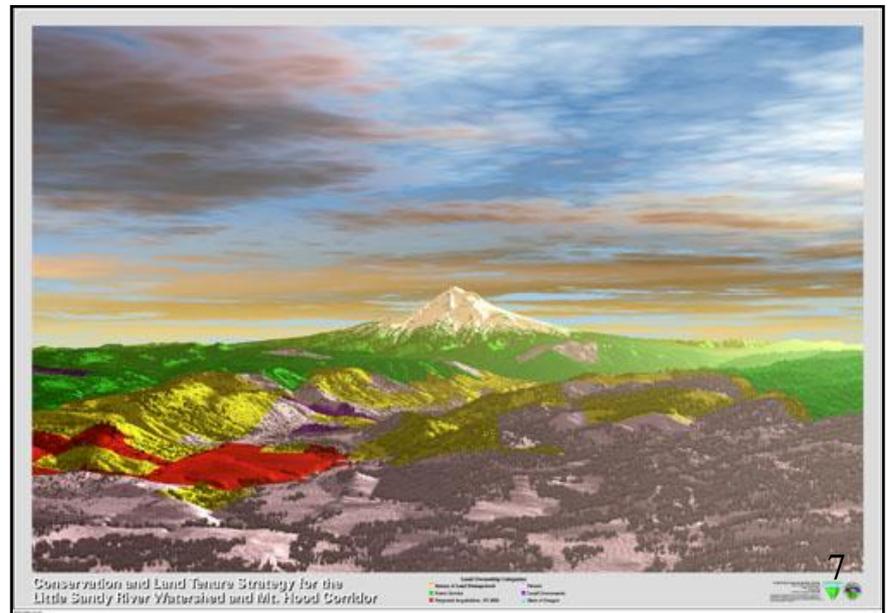
3.5 Ensure capability exists for sharing geospatial data within multiple business applications and with external partners.

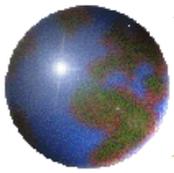




In Other Words...

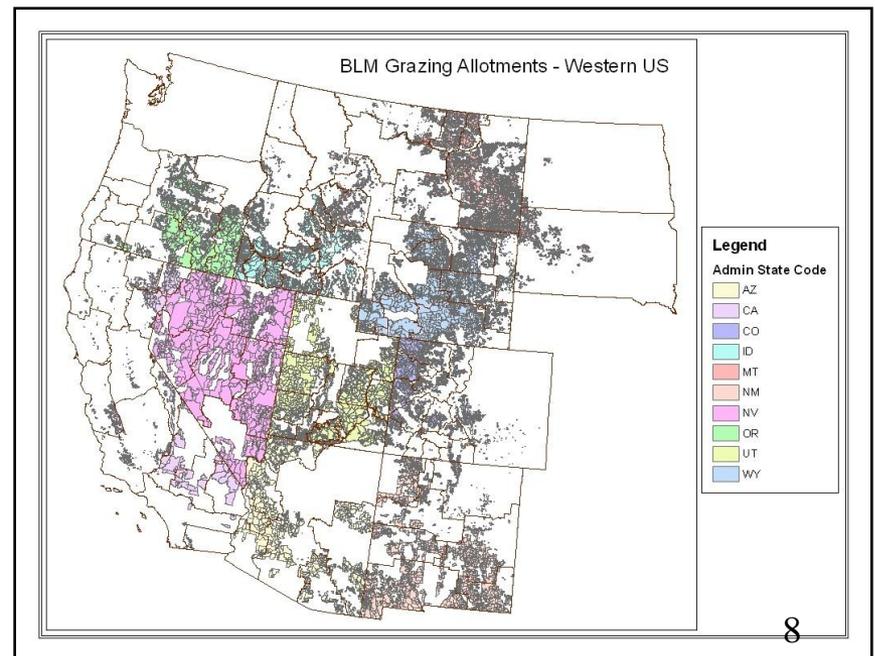
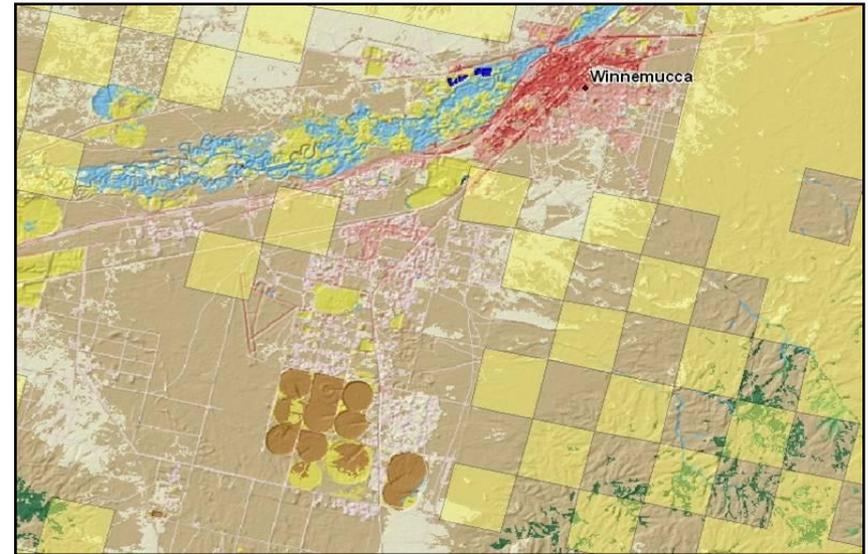
- Data Management
- More effective and efficient use of remote sensing, satellite imagery & aerial photography
- Using Geospatial technology to develop the relationship between our programs and decisions to points on the ground

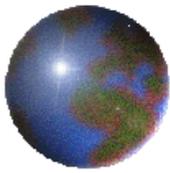




In Other Words...

- Centralized support services; parity between states
- Data standards, metadata, and training data stewards
- Creating National data sets; “Defragmenting” local data sets and making appropriate data public
- Reduce “Data Calls” to the States

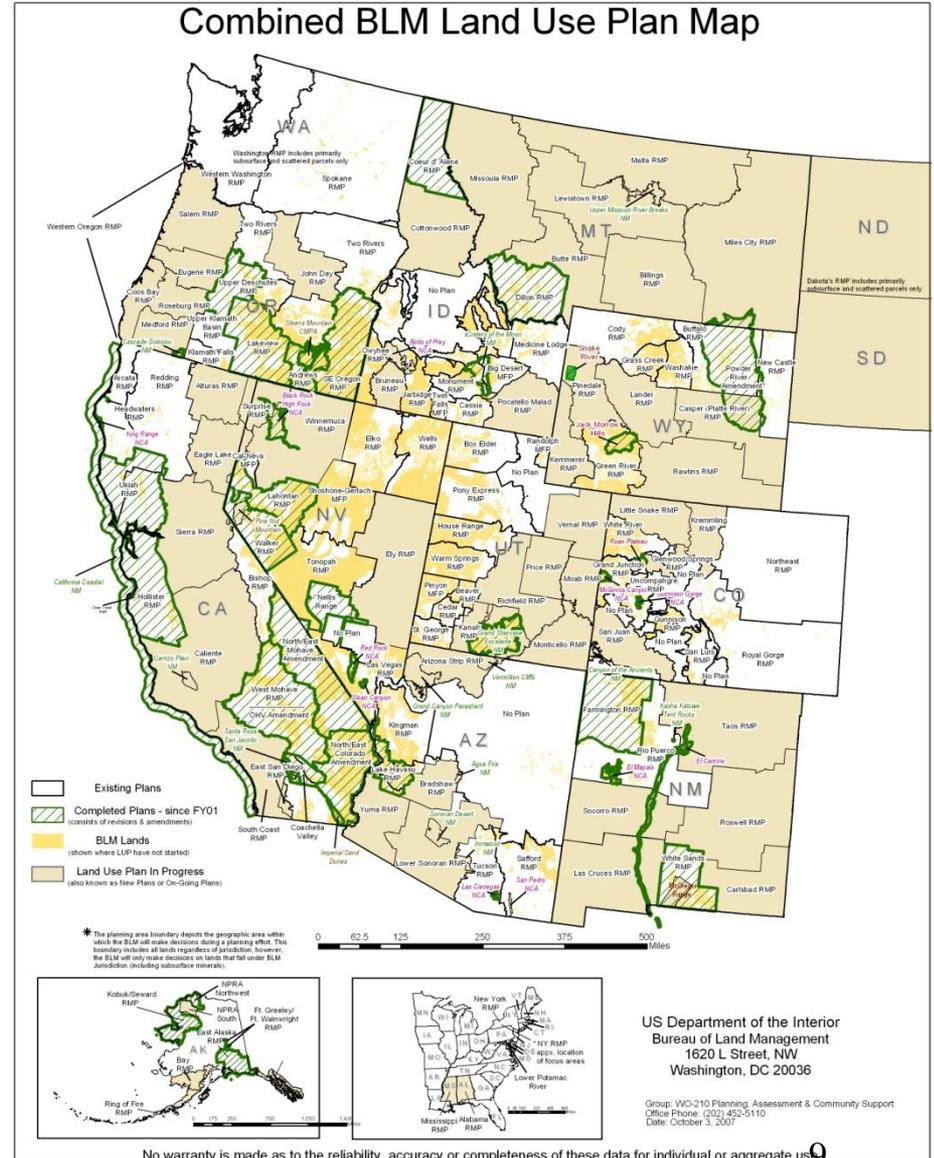


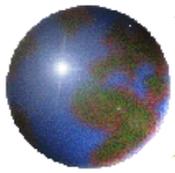


Prioritize Development of Data Standards and Databases

10 Data Themes

- Land Use Planning Boundaries
- Wild Horse and Burro Herd Units
- Range Allotments (Revision)
- Resource Improvements
- Vegetation Treatments
- Fire Management Areas
- Recreation Sites
- NLCS Boundaries
- ACEC Boundaries
- Land Health Reporting

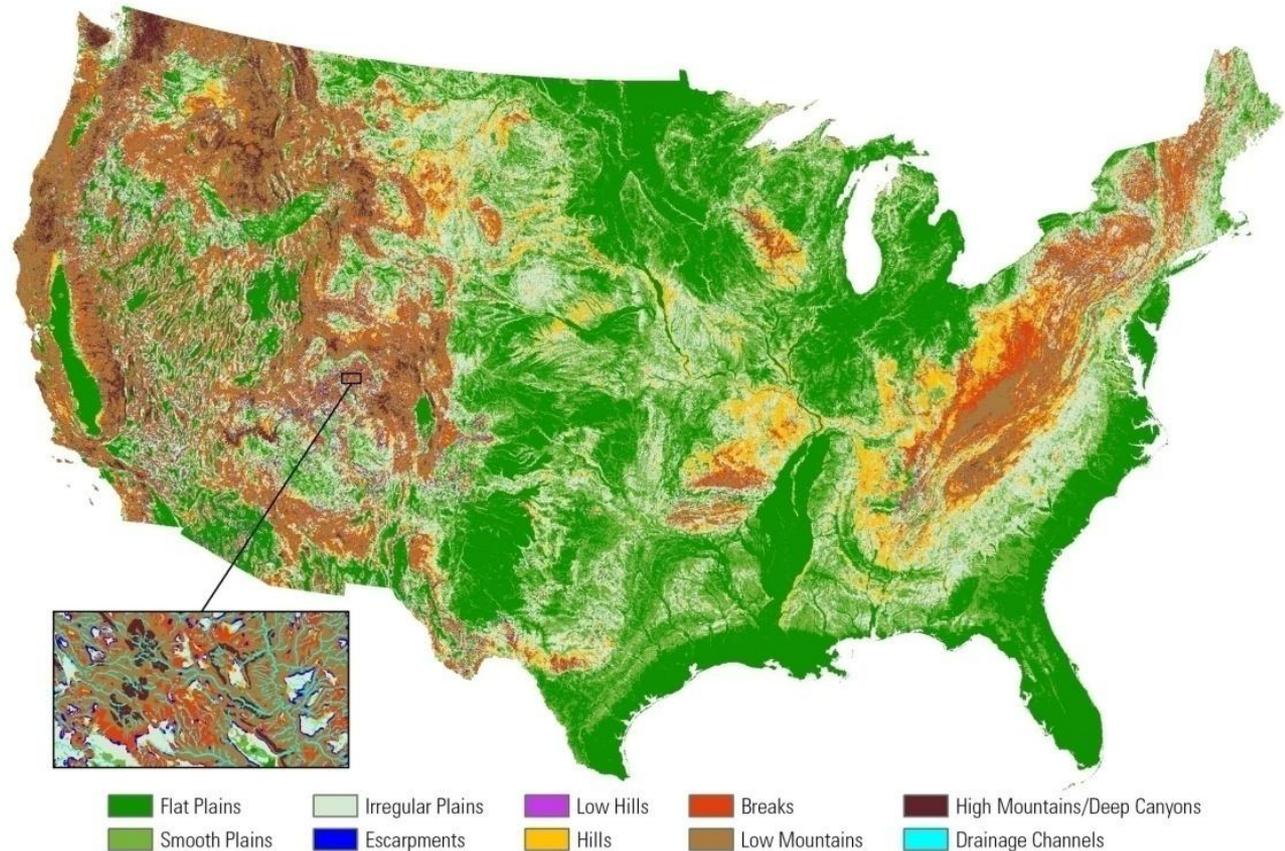


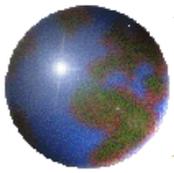


Working with our partners...

- Cooperation between agencies to develop national data sets in support of:

- Assessment
- Monitoring
- Planning

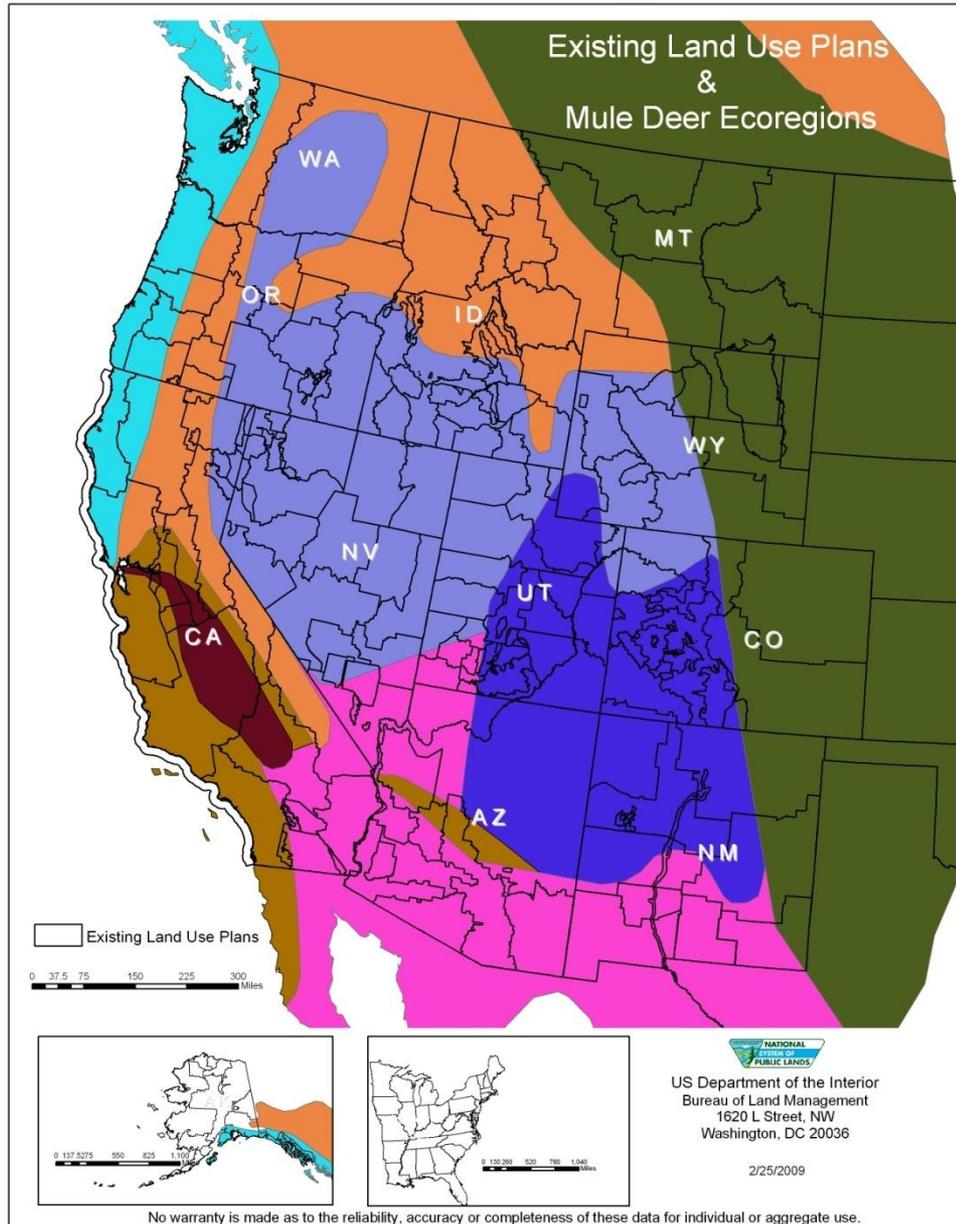


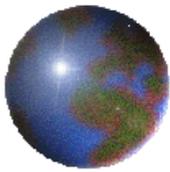


Information From Our Partners

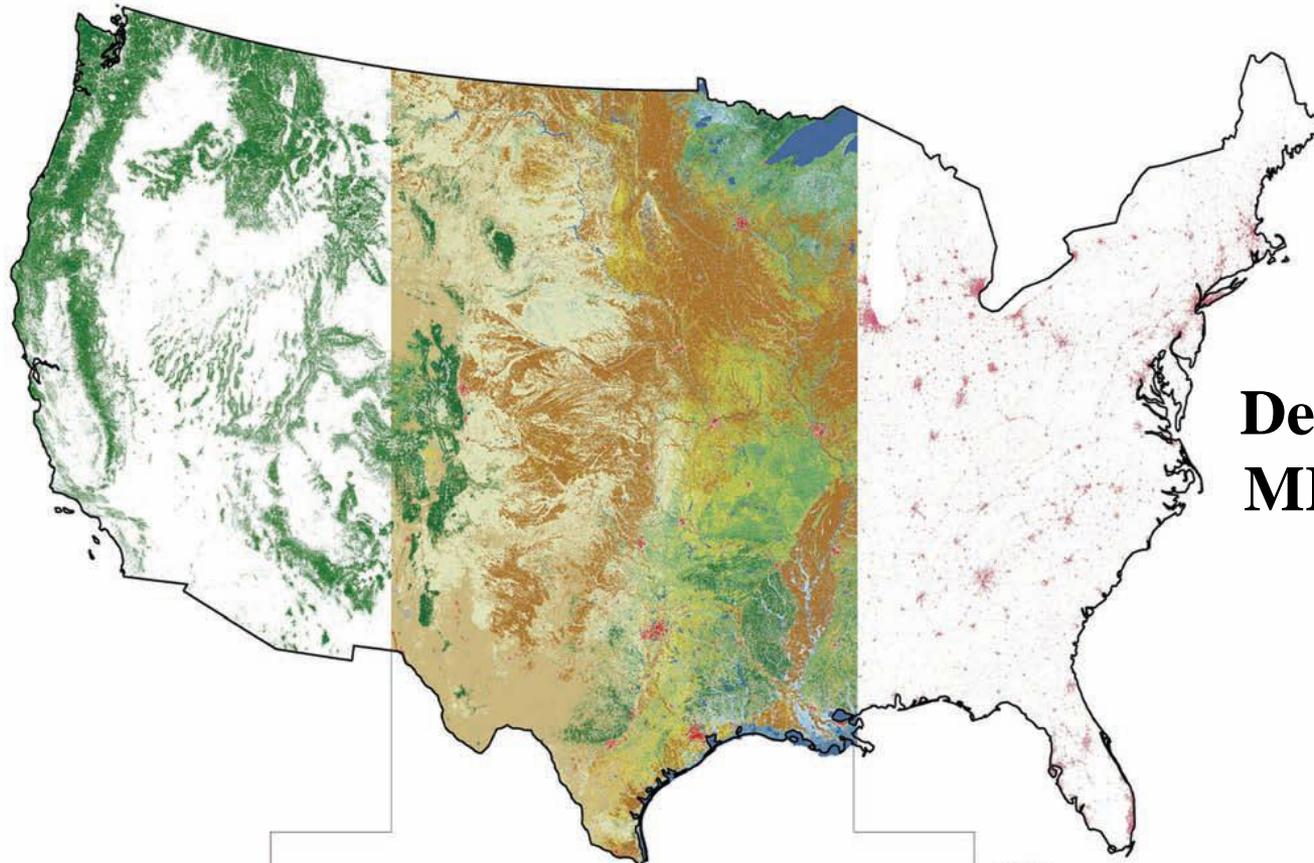
Mule Deer Ecoregions

www.muledeerworkinggroup.com



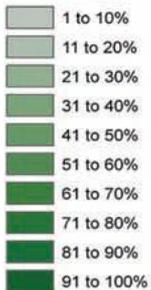


NLCD 2001 Tree Canopy, Land Cover



**Developed through
MRLC – BLM is a
Partner**

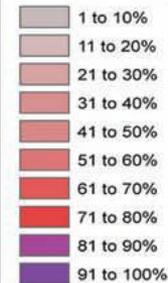
Tree canopy

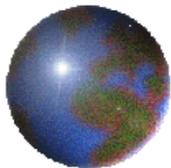


Land Cover Class Value and Description

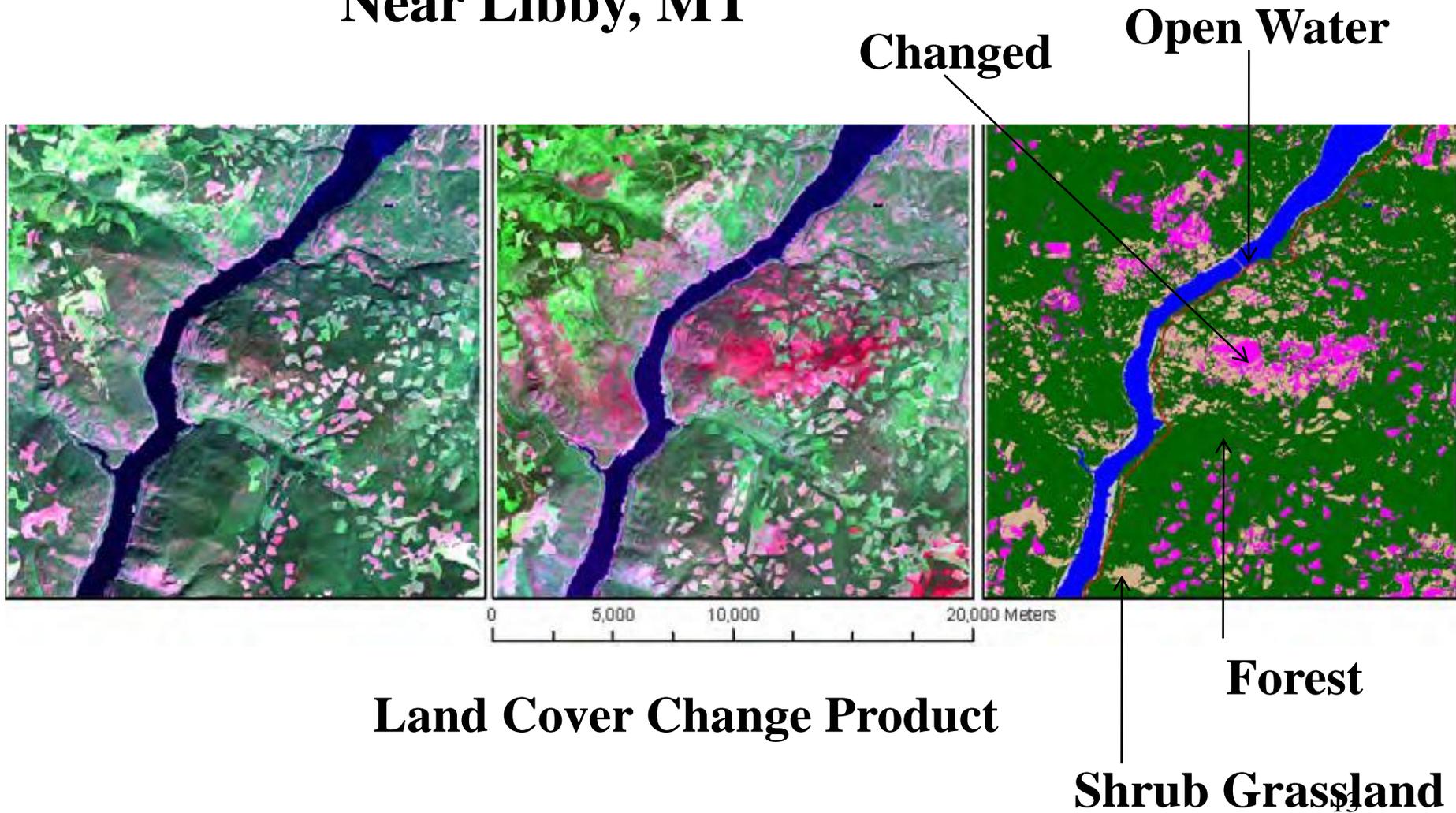


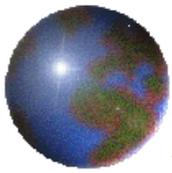
Urban Imperviousness





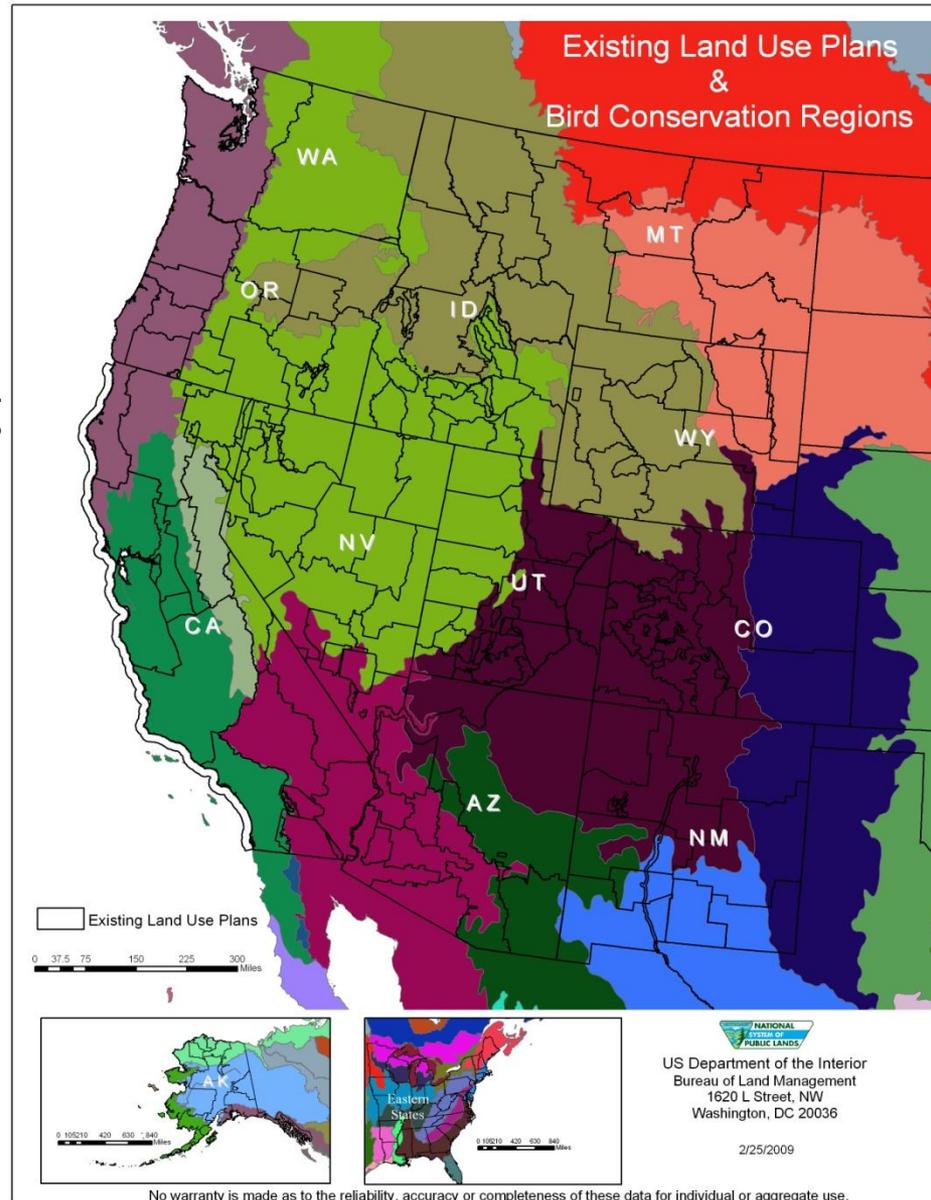
Fire Scars and Timber Harvest Cycle Near Libby, MT

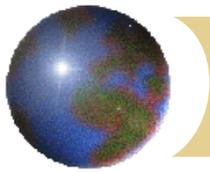




Bird Conservation Regions

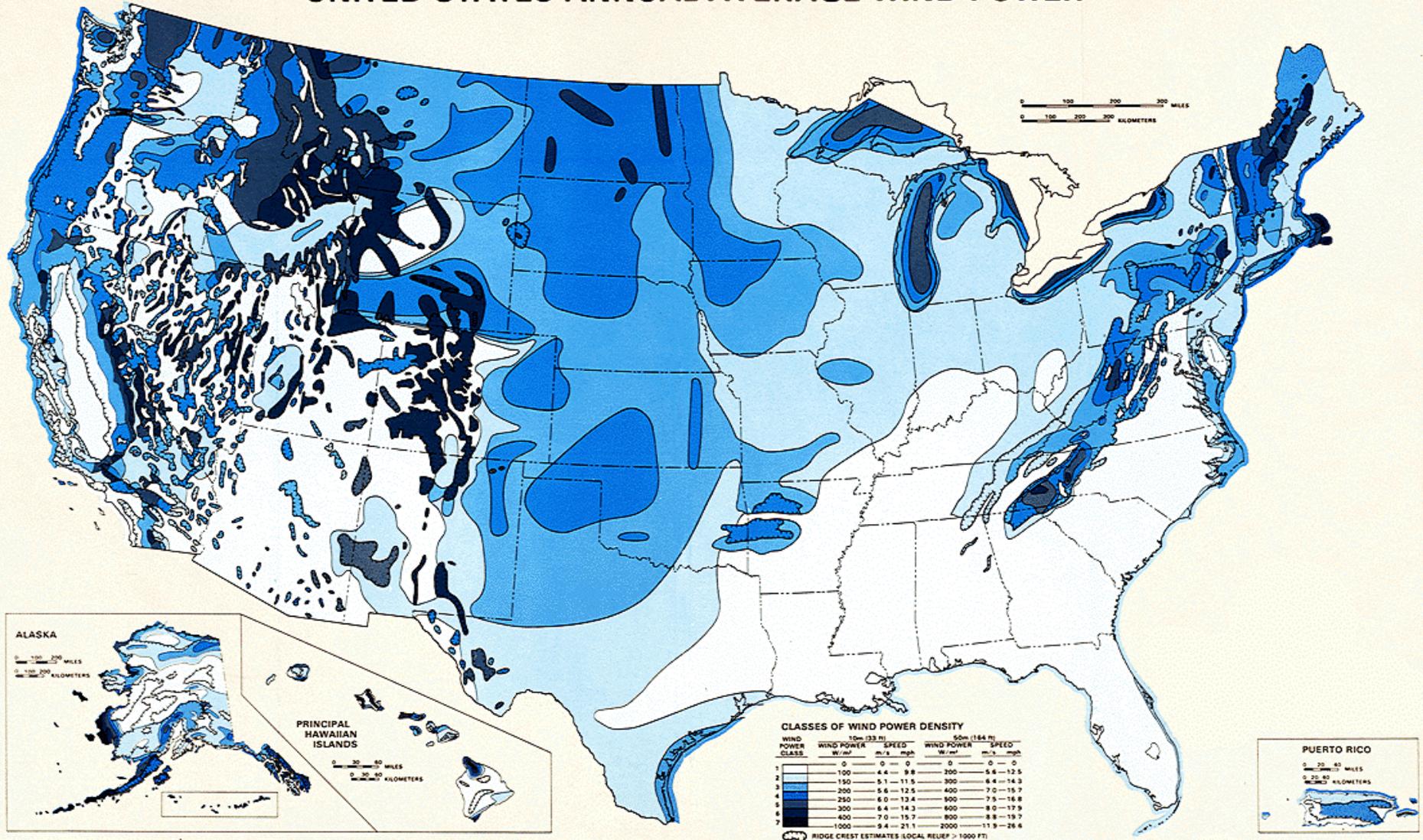
<http://www.bsc-eoc.org>

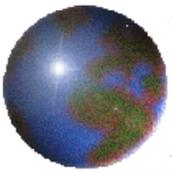




Wind Energy - rredc.nrel.gov

UNITED STATES ANNUAL AVERAGE WIND POWER



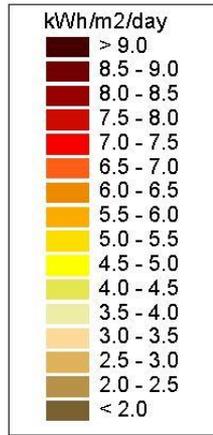
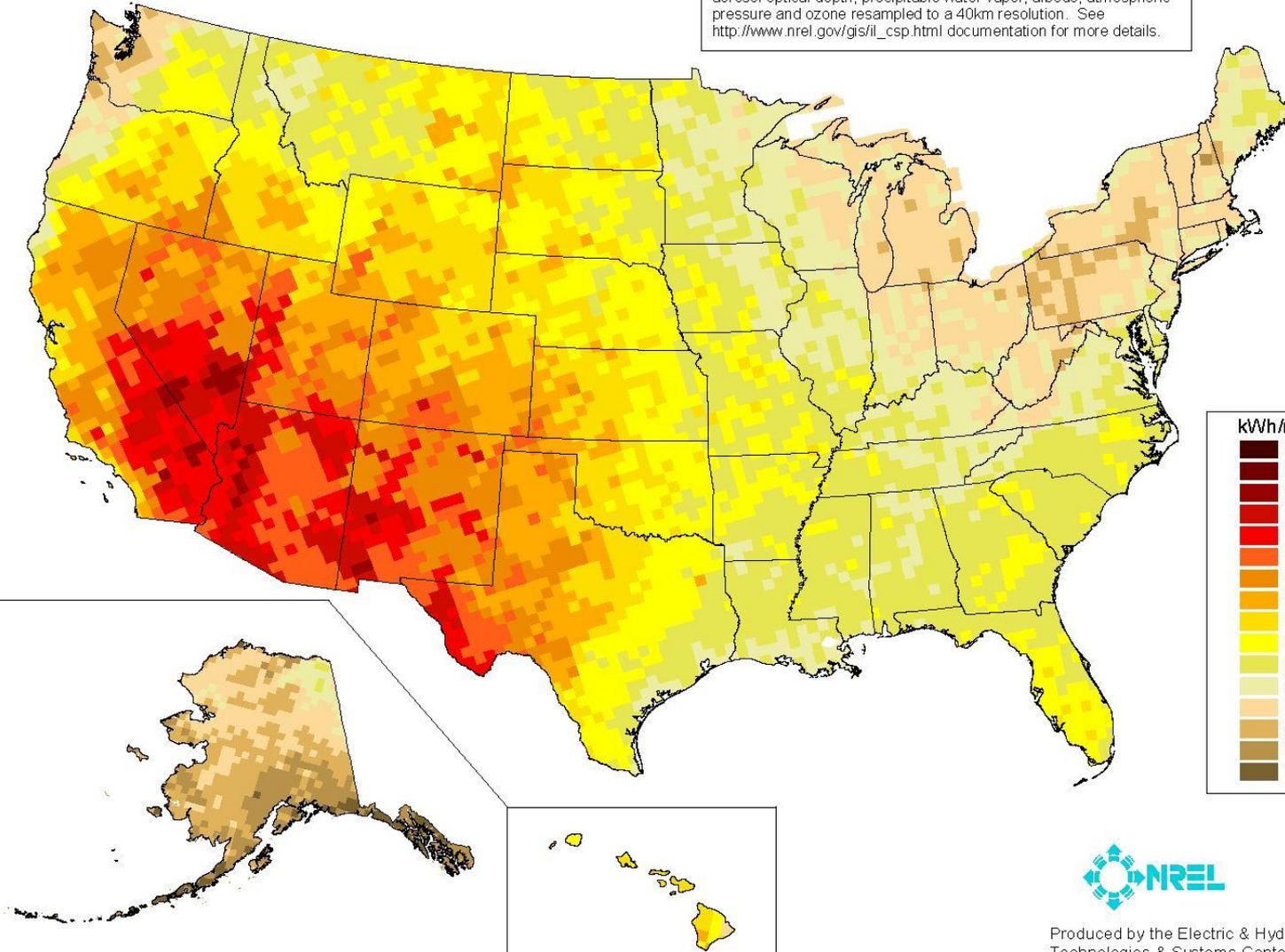


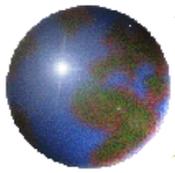
Solar Energy

Direct Normal Solar Radiation (Two-Axis Tracking Concentrator)

Annual

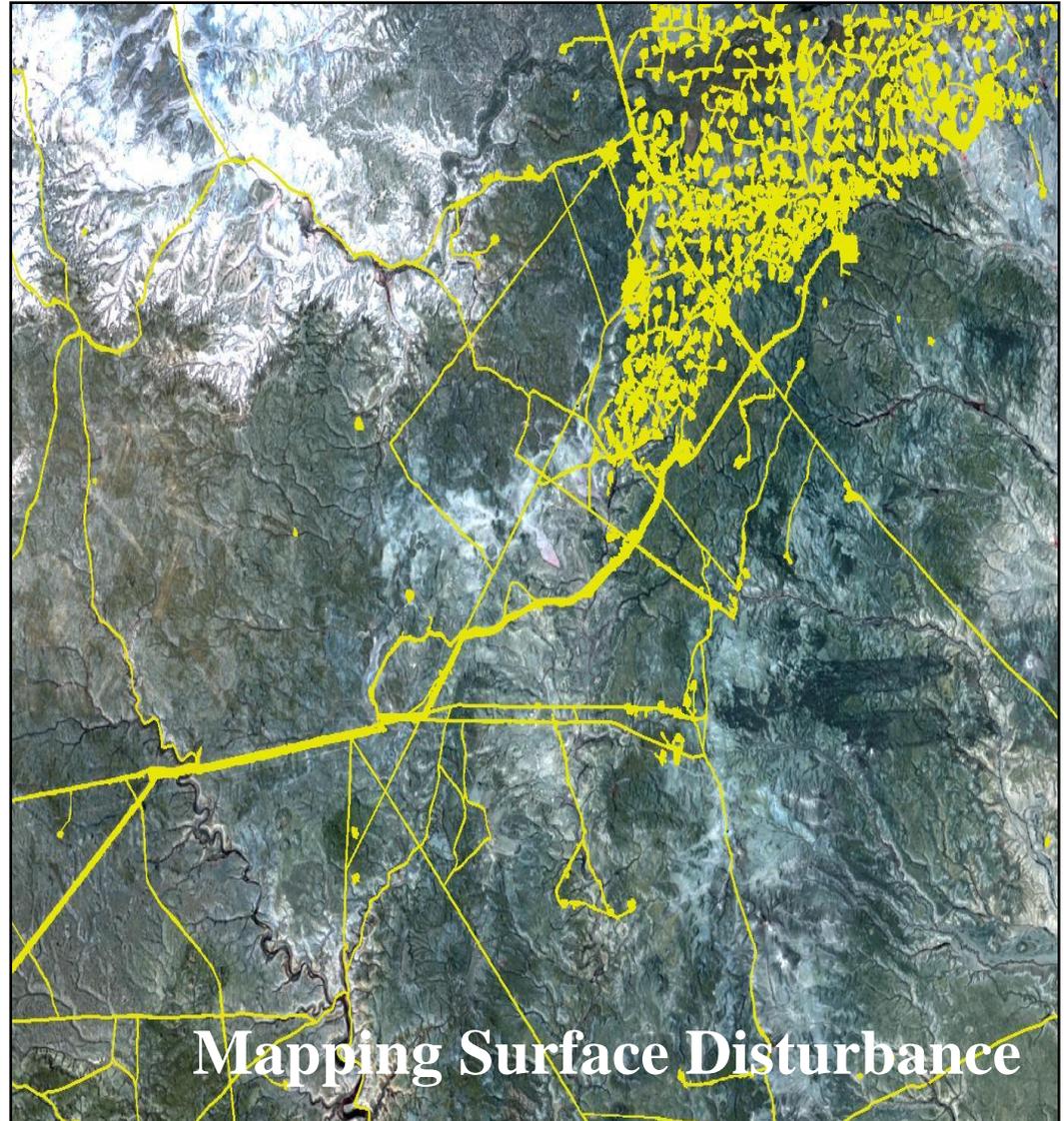
Model estimates of monthly average daily total radiation using inputs derived from satellite and/or surface observations of cloud cover, aerosol optical depth, precipitable water vapor, albedo, atmospheric pressure and ozone resampled to a 40km resolution. See http://www.nrel.gov/gis/il_csp.html documentation for more details.



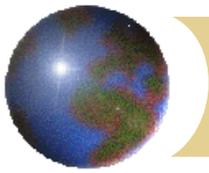


Areas of Emphasis - Technology

- 5.1 Ensure BLM's geospatial services technology architecture is aligned with the Bureau's enterprise architecture and security policies.
- 5.2 Ensure BLM staff has the computing resources and network capacity to provide geospatial services.
- 5.3 Ensure BLM's geospatial data is accessible to partners and the public.

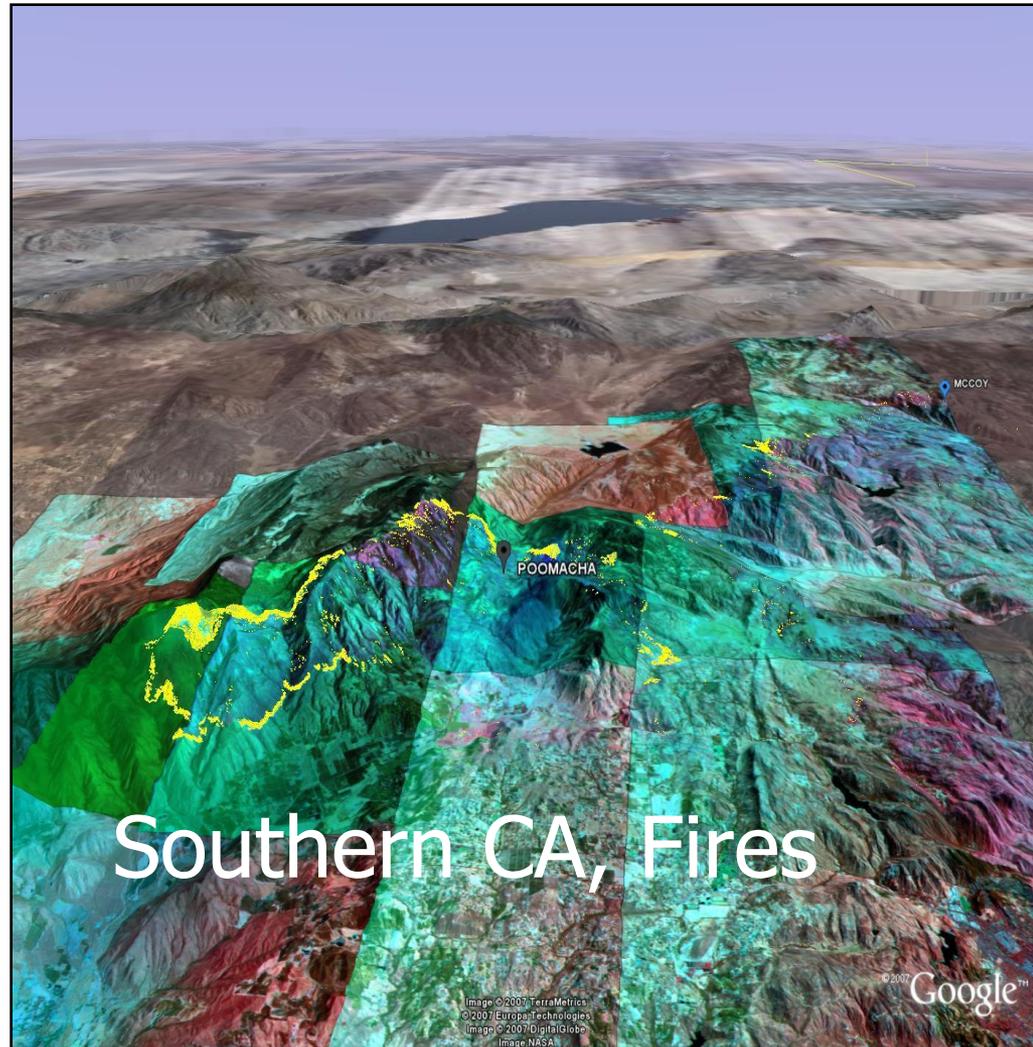


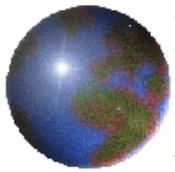
Mapping Surface Disturbance



In Other Words...

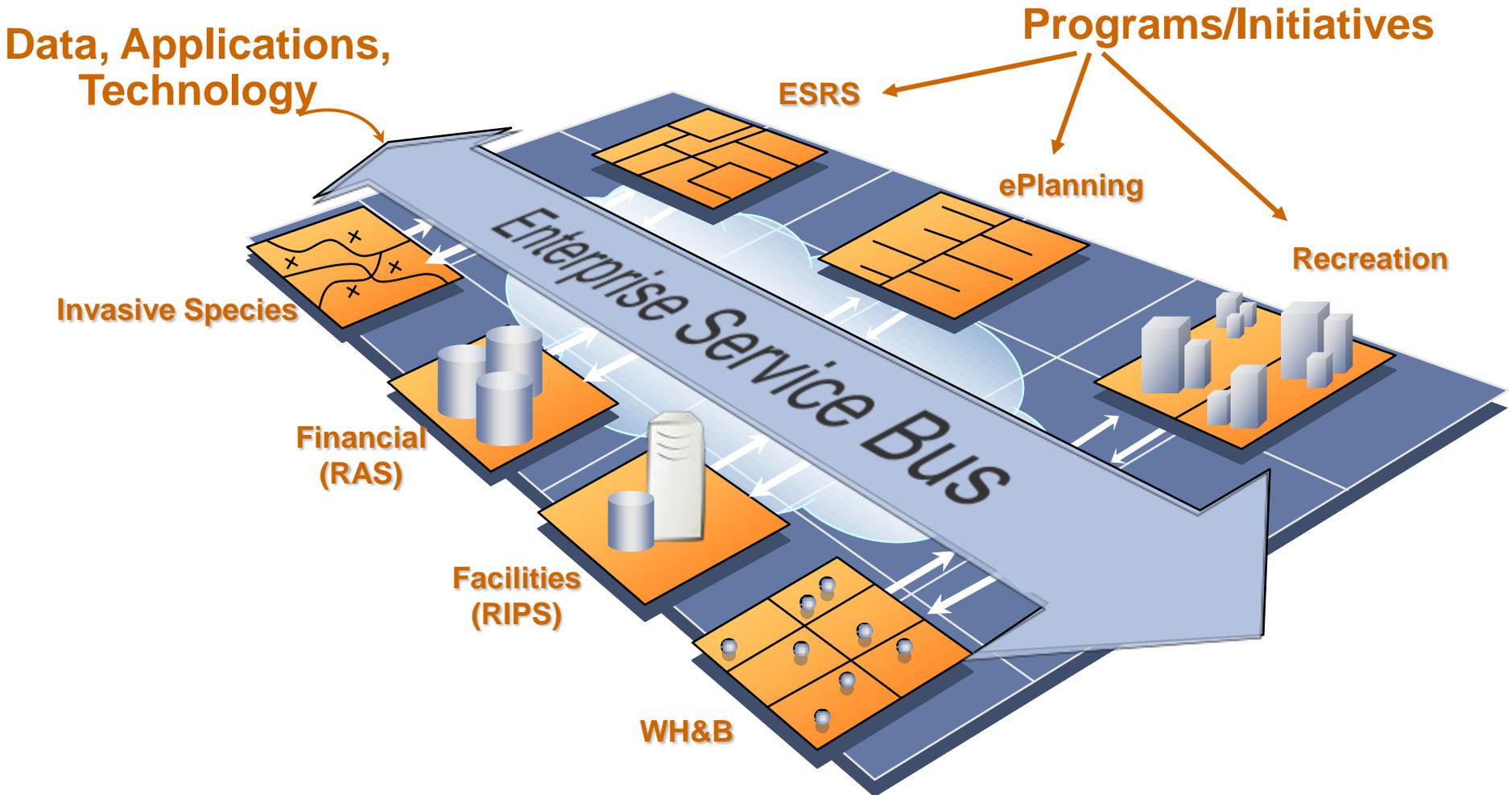
- Planning for tech-refresh
- Coordinating development and use of geo technology with business requirements
- Provide data and services to NGOs and public where appropriate

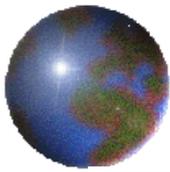




Service Oriented Architecture

Framework for providing Geospatial Services to support business

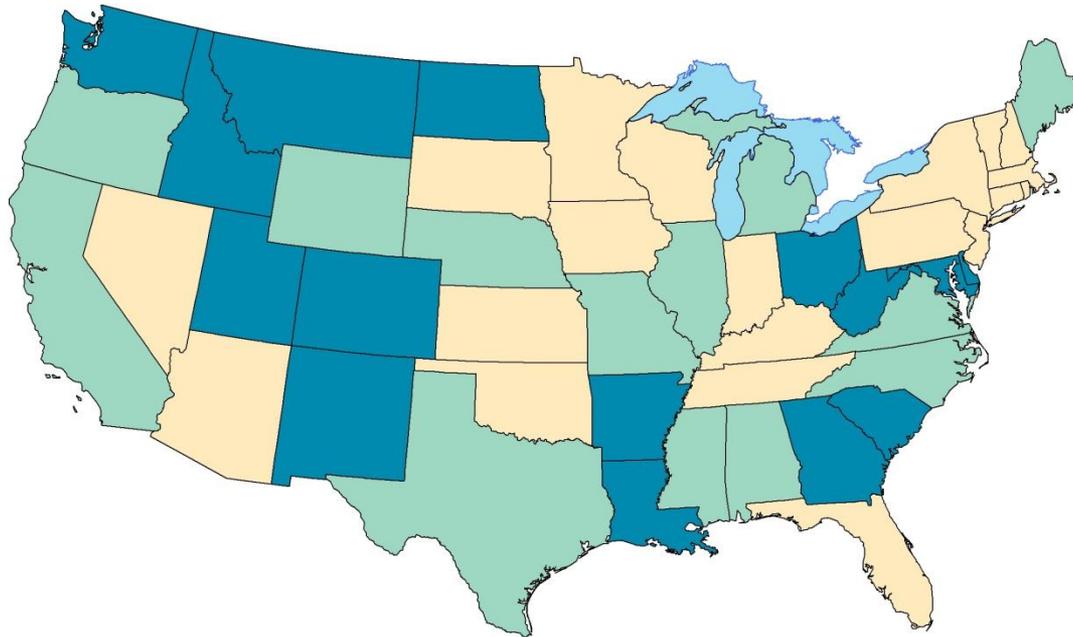




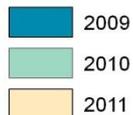
Oregon NAIP Scheduled for 2010

3 Year NAIP Cycle

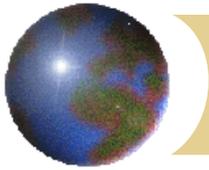
Over the next three years; 2009, 2010 and 2011, all public lands in the lower 48 states (figure 1) will be covered by NAIP imagery for a total acquisition cost to BLM of \$1,028,386.



Cycle Dates



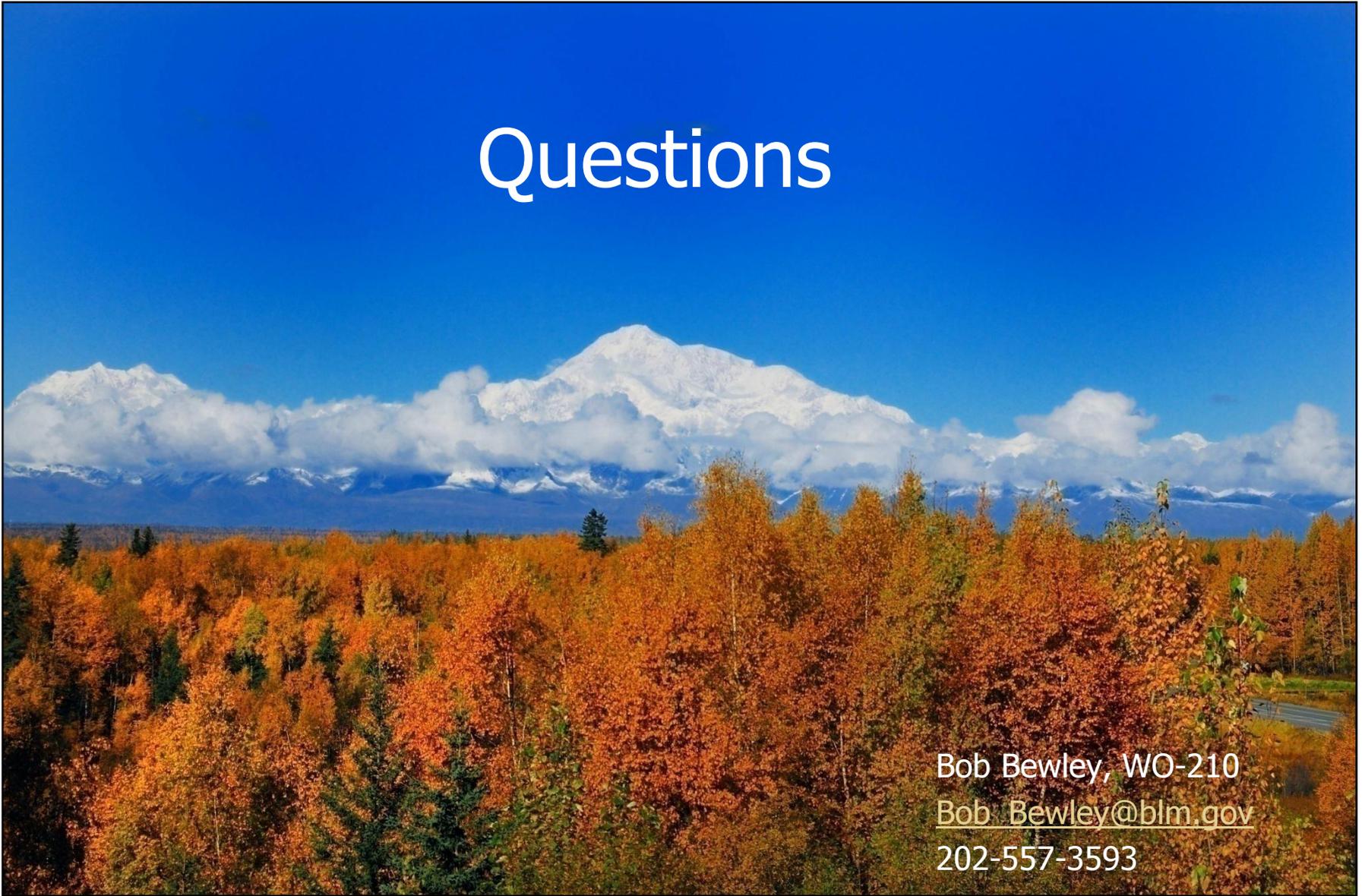
174,976,000 acres of public land; that works out to 1.7cent per acre



Questions



Questions



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