

# BLM National Data Management: Standards and Consolidation

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# Topics Outline

- What is the NOC?
- What is BLM NOC working on?
- What is our primary focus?
- What Data, Services, and Products?
- Where to find them?



# National Operations Center

- NOC is the national support center for the BLM and Has 4 Divisions
  - IT, Business Services, HR, and Resource Services
- Branch of Resource Data
  - All forms of data, geospatial and alpha
  - Large emphasis on Geospatial



# Background

- BLM has stepped up work on Data Management
  - Data Standards
  - Data Quality
  - Data Access
- Geospatial Data Sprint



# Current Activities

- **Develop, Maintain and Publish National BLM Geospatial Data**
  - Develop/maintain BLM national data standards
  - Manage National Geodata Replication, Compilation, and GIS Service Publication
  - Perform Data Quality Control (QC) analysis and reporting



# Current Activities

- **100K Mapping/Cartography**
  - Create and update 750+ quads in Western US
  - Priorities based on out-of-stock reporting
  - Some unique/custom maps done with 2 sides
  - Coordinate directly with state and field staff for updates



# Current Activities

- **Geospatial Imaging**
  - Scan BLMs historic Image Film Archive
  - UAS Image Handling, Photogrammetry and Data Management
  - Image Archive to EROS for all to use
  - Imagery metadata and publication standards



# Current Activities

- Data Standards or Standardized Schemas
- Data Tools Development
  - Entry, Replication, Quality
- Business Data Steward Engagement





# Current National Datasets

Data Theme	Data Theme
Areas of Critical Concern	Administrative Management Areas
Cadastral	Fire Perimeters
Grazing	Ground Transportation
Land Use Plans	National Conservation Areas
National Monuments	National and Scenic Historical Trails
Recreation Areas and Sites	Surface Management Agency
Travel Management Areas	Vegetation Treatments
Visual Resource Areas	Wilderness Study Areas
Wilderness Areas	Wild and Scenic Rivers
Wild Horse and Burro Areas	



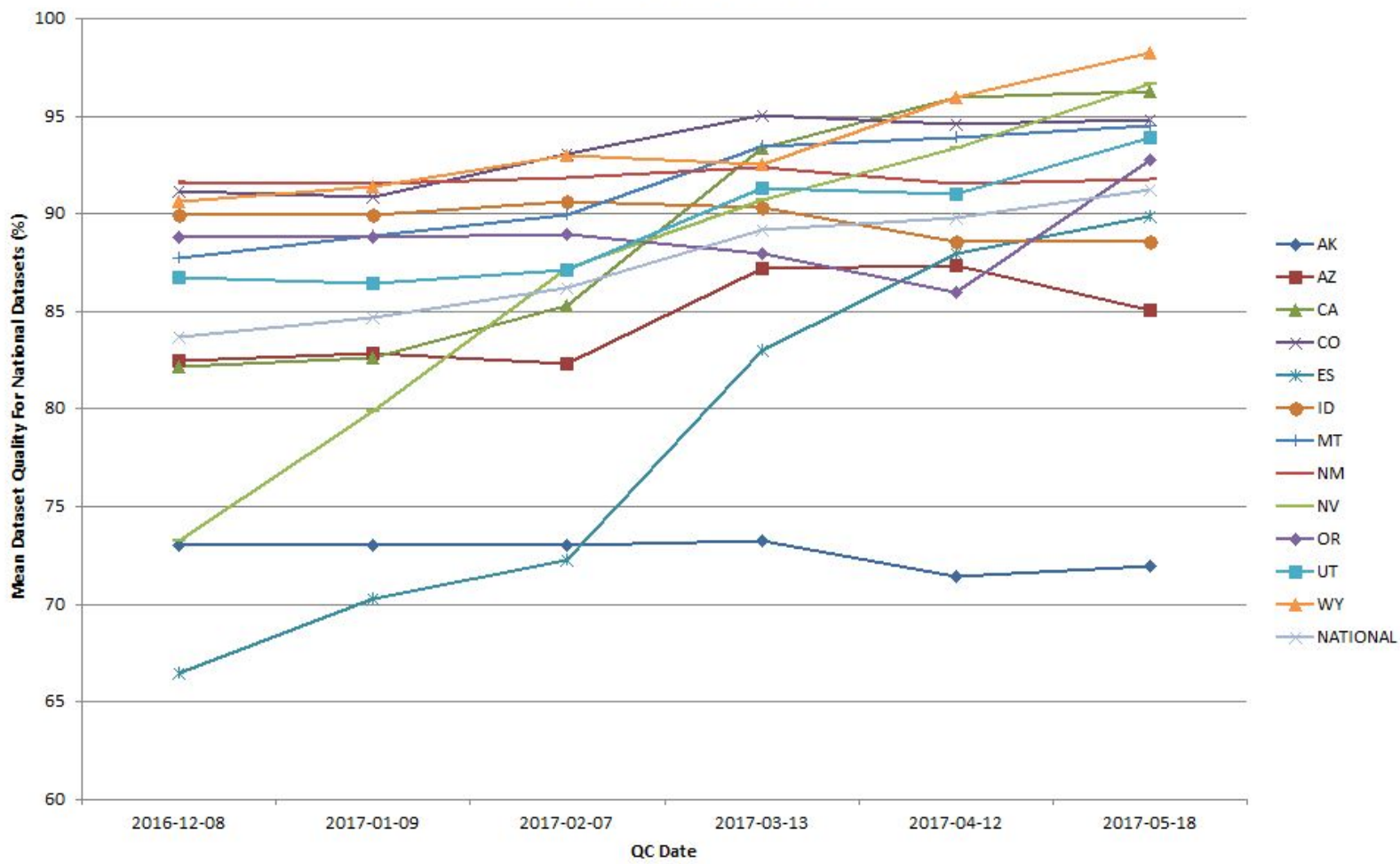
# Future Standards

## Expected Future Geospatial Datasets

- Abandoned Mines & Hazardous Sites
- Cultural Resource Management- **in Progress**
- Crowd Sourced data implementation
- Disturbance Areas (tied to SDARTT)
- Energy Resources Permitting
- Land Use Decision Areas- **in Progress**
- Mitigation Planning Areas- **in Progress**
- Paleontology
- Resource Improvement Projects
- Surface Disturbance
- Signs- **in Progress**
- Scientific Permitting Areas
- Visual Resource Management Areas- **in Progress**
- Rights of Ways- **in Progress**



### Data Quality Trend



# Data and Services Available

- Currently working to migrate to a single or minimal number of external locations
- Landscape Approach Data Portal
  - Able to search for BLM data, services, etc through a variety of methods



# Serving Products to the Public

NATIONAL SYSTEM OF PUBLIC LANDS  
U.S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## Landscape Approach Data Portal

Data, Maps, and Models from BLM's Landscape Approach Initiatives

Help About Feedback

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Home Search All Browse All AIM BLM National Data FIAT Greater Sage-Grouse IRFMS REAs How To

### Search

Text:    
*Example: nwp AND "sage grouse"*

FILTER CONTENT TYPE

[Advanced Search](#) [Clear](#)

Records shown from: This Site  
[Click here to select different site or configure search.](#)

WHERE  
 Anywhere  Intersecting  Fully within

Downloadable Data Document Model Live Map Service Static Map

Results 1-10 of 612 record(s)

Expand results [Zoom To Results](#) [Zoom To Searched Area](#)

- [BLM IRFMS Sagebrush Assessment and Geospatial Evaluation \(SAGE\) Data Interactive Map Viewer](#)
- [BLM REA NWP 2011 TS C 175855 GreaterSageGrouse BBD 75](#)
- [Sage Grouse Initiative \(SGI\) Interactive Map](#)
- [BLM REA WYB 2011 Greater Sage Grouse Baseline Distribution Binary](#)
- [Greater Sage-Grouse Comprehensive Conservation Strategy](#)
- [BLM REA COP 2010 Sage Grouse Winter Habitat, Utah](#)
- [BLM REA COP 2010 Predicted Current Distribution of Gunnison Sage Grouse](#)
- [BLM REA NGB 2011 Cumulative Score Indicator for Greater Sage-Grouse](#)
- [BLM REA NGB 2011 NDOW Greater Sage-Grouse Habitat Categorization](#)
- [BLM REA NGB 2011 Greater Sage-Grouse PPH \(Utah\)](#)

See results through REST API: [GEORSS](#) [ATOM](#) [HTML](#) [FRAGMENT](#) [KML](#) [JSON](#) [DCAT](#) [CSV](#)

Sources: Esri, DeLorme, ...

https://landscape.blm.gov/geoportal



# Serving Products to the Public

- The BLM NOC maintains the *Landscape Approach Data Portal (LADP)*
- The LADP is a publication node and portal that provides public access to BLM national and BLM/interagency project-level data products
  - Maps, Map Services, Downloadable Datasets, Web Apps, Models, Documents (e.g., project reports)



# Serving Products to the Public

- Users can search and browse over **8,000** products indexed in the LADP
  - ~7,500 BLM products are published via LADP
- Using a tab concept, we are able to highlight specific projects or topics
  - DOI's *Integrated Rangeland Fire Management Strategy*
  - BLM's *Assessment, Inventory, and Monitoring Program*
- Currently, 5 BLM national datasets are published
  - 13 more targeted to be published on LADP by the end of the year



# Other Maps and Services

## BLM - Public StoryMap and Web App Builder Examples

- [Oregon/Washington State Office Examples](#)
- [California State Office Examples](#)
- [Colorado State Office Examples](#)
- [Alaska State Office Examples](#)
- [BLM Eastern States Examples](#)
- [BLM New Mexico State Examples](#)
- [National or WO Examples](#)





# Other Maps and Services

U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT



Bureau of Land Management

National

## Mountain Biking Opportunities



Connect




# Other Maps and Services

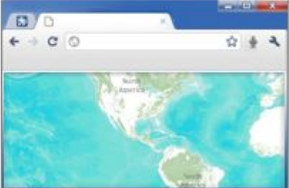
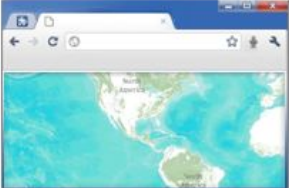


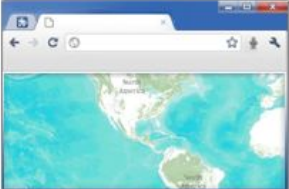
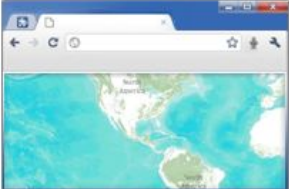


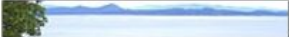
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 <p>BLM OR Steens Mountain Wilderness</p>	 <p>Comprehensive Recreation and National</p>	 <p>Comprehensive Recreation/NLCS Web</p>
		





# Questions ?

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