

Cadastral Subcommittee 2018 Update

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BLM Eastern States
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Introduction

The Purpose of the Subcommittee for Cadastral Data is to coordinate cadastral data between federal agencies, Tribal, state and local agencies and the private sector, including

- Facilitation of coordination activities related to cadastral data and the exchange of cadastral data by informal and formal means
- Establishment and implementation of standards and guidelines for quality, content and exchange of data
- Construction, publication and maintenance of the national cadastre
- Collection of spatial data to minimize duplication of effort where practicable and economical

Introduction: Subcommittee Members

Dominica Van Koten, BLM, Chair

Federal Agencies

BLM
APFO/FSA/USDA
National Park Service
Department of Defense
United States Geological Survey
Housing and Urban Development (HUD)
Bureau of Ocean Energy Management
Census Bureau – Geography Division
Department of Agriculture – Forest Service

Non-Federal Organizations

Fairview Industries – Subcommittee Support
New Mexico Taxation and Revenue Department
Maryland Department of Planning
University of South Carolina – Emeritus
S.E.A. Graphics Inc.
Loca Focus, LLC
Esri
Aerometric
Stantec
University of Wisconsin-Madison
AECOM
University of Georgia
IAAO - Lake County Florida Property Appraiser
Eastern Band of the Cherokee Nation



List is posted on <http://www.nationalcad.org>

NGDA Data Themes and Data Sets

❖ Cadastre themed data sets continental:

- Administrative Boundaries of National Park System DOI-NPS
- Army Military Land Tracts (AMLT) DOD-USACE
- BIA Indian Lands Dataset (Indian Lands of the United States) DOI-BIA
- BLM National Public Land Survey System Polygons DOI-BLM
- BLM National Surface Management Agency Area Polygons DOI-BLM
- BLM National Surface Management Agency Special Public Purpose Withdrawal Area Polygons DOI-BLM
- BLM National Surface Management Agency Withdrawal Area Polygons DOI-BLM
- Department of Defense Land Parcels and Sites DOD-AT&L
- FS National Forest Dataset (US Forest Service Proclaimed Forests) USDA-USFS
- FWS Interest DOI-FWS
- Protected Areas Database of the United States (PAD-US) DOI-USGS

DATA Sets Outer Continental DOI-BOEM

- Outer Continental Shelf Active Renewable Energy Leases
- Outer Continental Shelf Lease Blocks - Alaska Region NAD83
- Outer Continental Shelf Lease Blocks - Atlantic Region NAD83
- Outer Continental Shelf Lease Blocks - Gulf of Mexico Region NAD27
- Outer Continental Shelf Lease Blocks - Pacific Region - West Coast NAD83
- Outer Continental Shelf Official Protraction Diagrams - Alaska Region NAD 83
- Outer Continental Shelf Official Protraction Diagrams - Atlantic Region NAD 83
- Outer Continental Shelf Official Protraction Diagrams - Pacific Region - West Coast NAD 83
- Outer Continental Shelf Official Protraction Diagrams And Lease Maps - Gulf Of Mexico Region NAD27
- Outer Continental Shelf Block Aliquots – Atlantic Region NAD83

Recent Developments/Projects

- Leadership Transition
- Efforts to fill position are underway
- Rotating detail assignments are likely to continue until the position is filled permanently
- The coordination group and subcommittee members will continue to be updated with current contact information changes

Recent Developments/Projects-- PLSS

- ❖ The national PLSS data set has reached full maturity and is updated on a regular basis.
- ❖ BLM Navigator site hosts the current PLSS data sets developed and maintained by BLM State Offices and links to data sets hosted by states
- ❖ A national PLSS REST service has been established. The REST feature services allow users to add the national PLSS directly to their GIS map canvas without downloading the data, providing a continuously updated view of the PLSS data set.

Map

The Navigator mapping allows user to analyze, comment, and interact with information within the datasets.

Toolbox

— PLSS Tools

PLSS CadNSDI Layer

Add to Map

Get Land Description from Lat/Lon

Click Map for Land Description

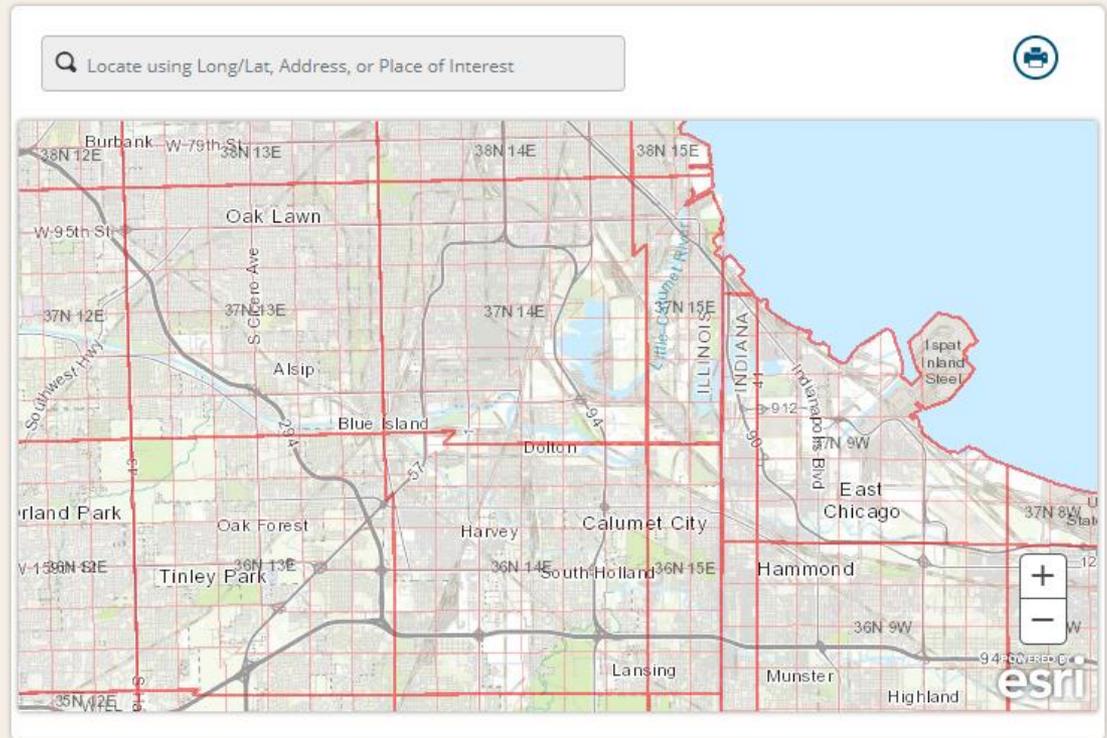
+ Tools

— Layers

PLSS CadNSDI Layer 50%

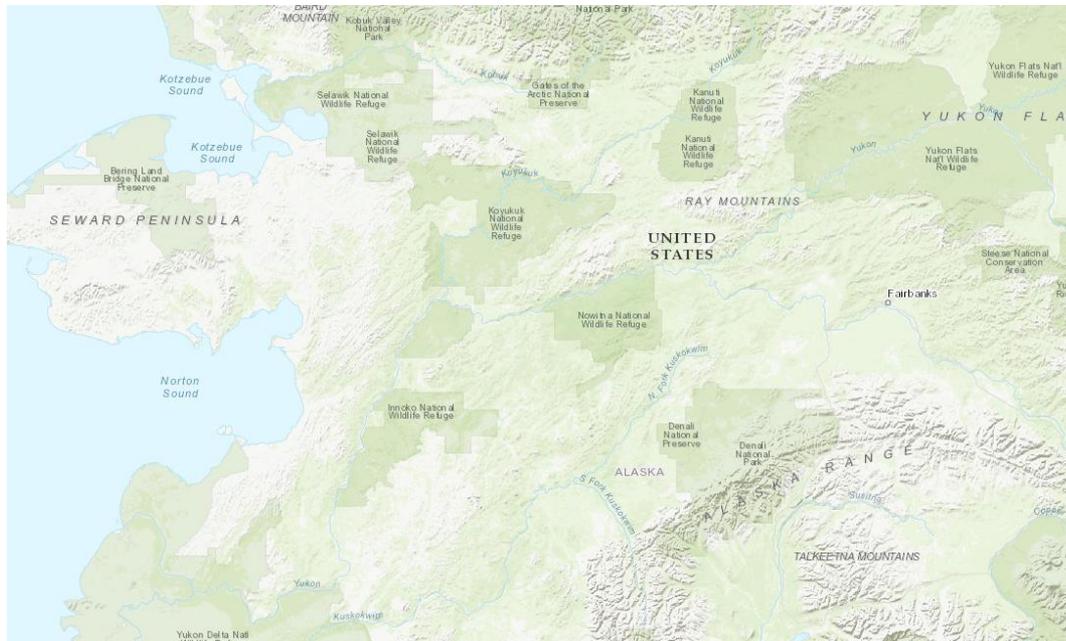
Base Layer

+ Legend

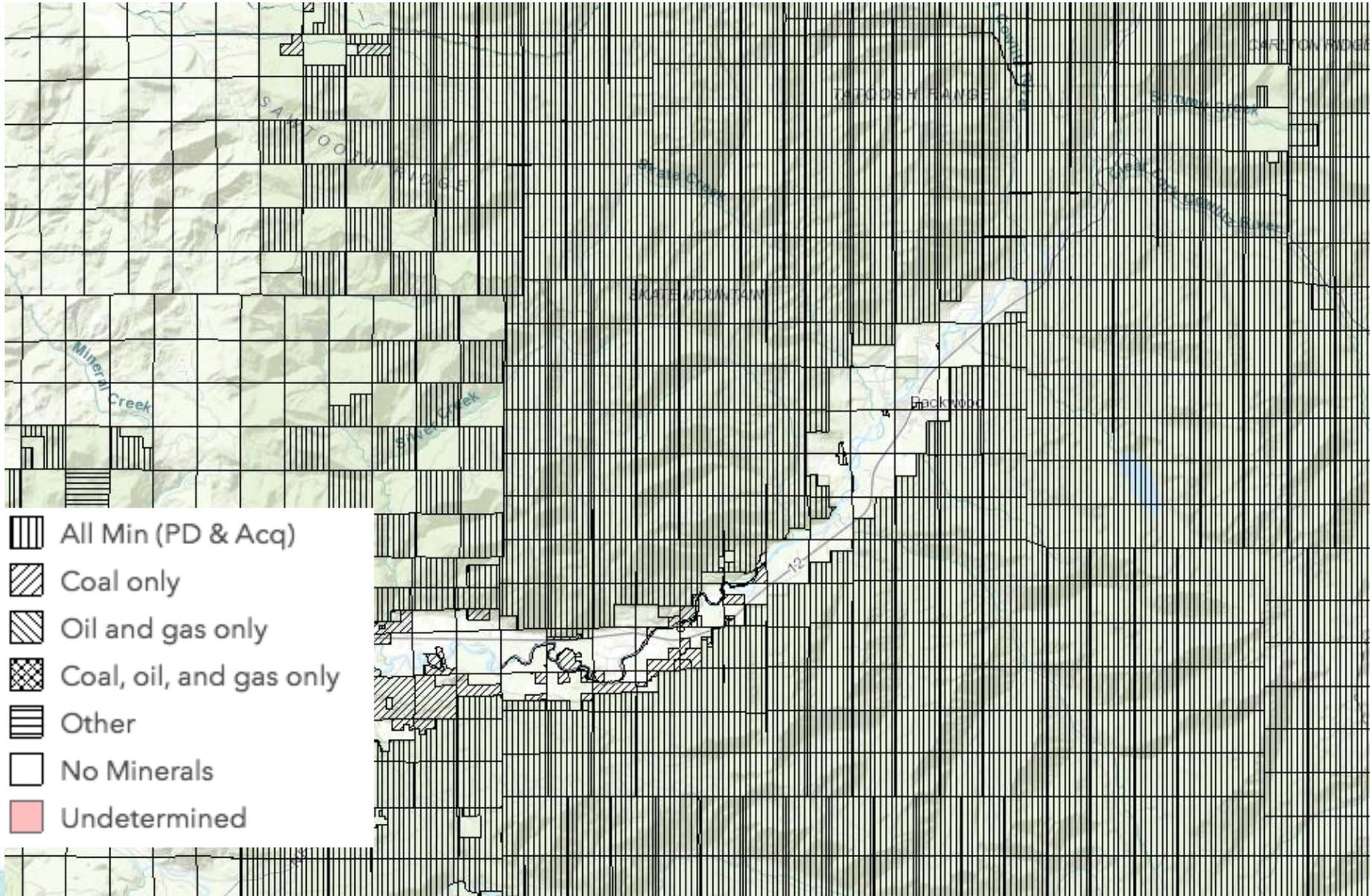


Recent Developments/Projects-- Public Lands Surface Agency Management

BLM completed publishing the Surface Management Agency (SMA) data set including BLM Managed lands through the National Operations Center (NOC) REST services and the Navigator download portal.



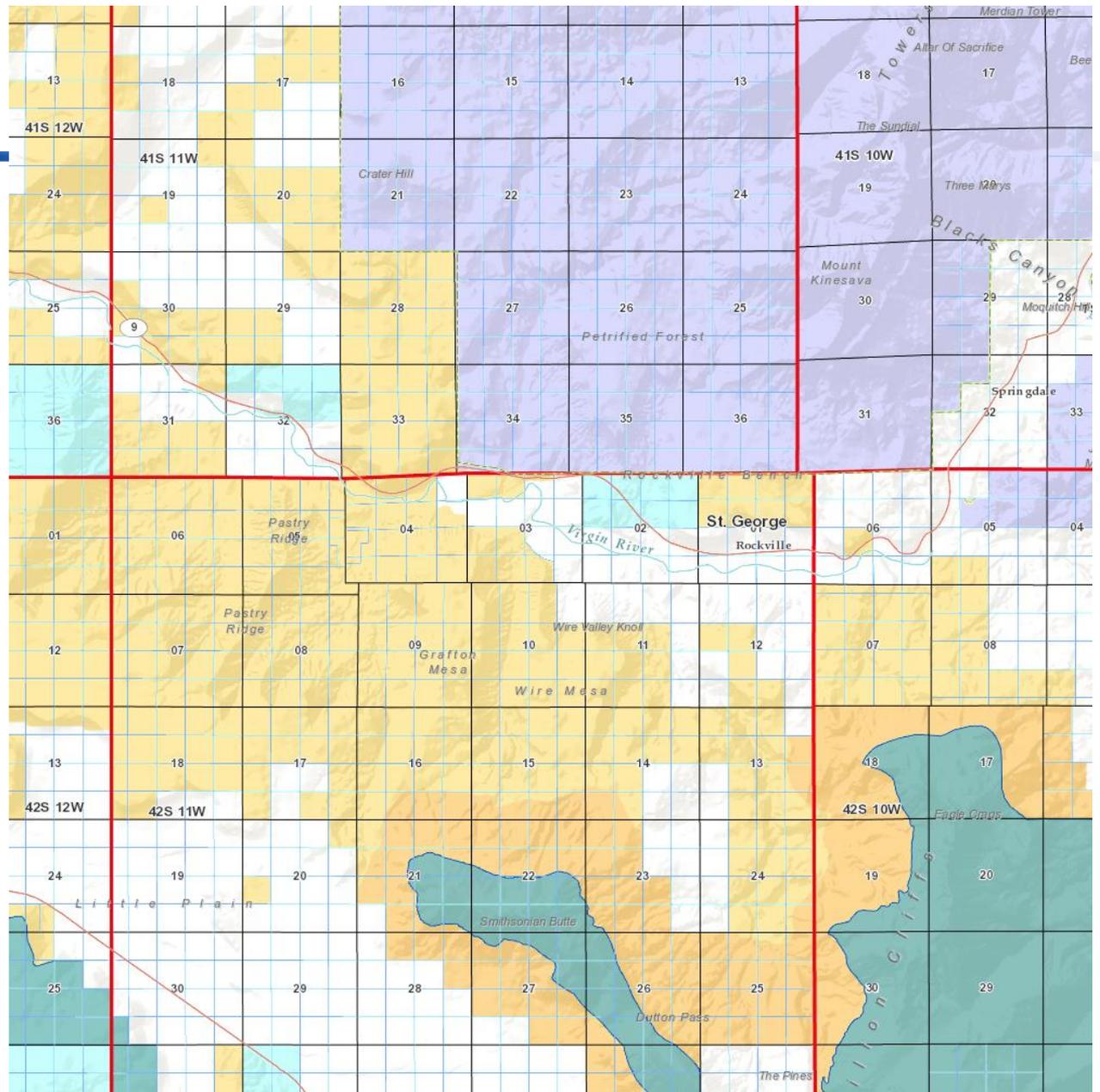
Recent Developments/Projects-- Subsurface Mineral Estate



Recent Developments/Projects-- Agency Coordination

The BLM Wyoming state Office and the State of Nebraska signed a memorandum of understanding (MOU) in 2018, describing shared PLSS data maintenance responsibilities and authorities. Publishing a single PLSS data set with contributions from BLM and Nebraska will advance the uses and provide a more robust data set for all users.

Image from the BLM Utah Interactive Web Tool showing PLSS, public lands and areas of environmental concern in southwest Utah



Recent Developments/Projects- PLSS Data Users

The PLSS data has seen a new level of use in the recent months:

- Land Catalog (glorerecords.blm.gov)
- ROW mapping tool
- MLRS
- PLSS in the East
 - Oil and Gas Lease sales
 - Mapping from GLO
 - Connecting to source documents
 - Mapping land status
 - Story maps and public outreach

blm-egis.maps.arcgis.com/apps/MapJournal/index.html?appid=c1c223baba454f19b782cb09899c2445

A Blast from the Past

A General Land Office Treasure Map

No issues detected

Jackson Hole (Wyoming)

Legal Land Description:
Section 1, Township 48 North, Range 116 West, 6th Principal Meridian (Teton, County)



Landscape of Jackson Hole

This original survey depicts the location of Jackson Hole, the picturesque valley between the Teton and Gros Ventre Mountain Ranges. The valley is formed by the Teton Range on the western side and the Gros Ventre Range on the eastern side. Grand Teton National Park occupies the north-western part of the valley encompassing much of the Teton Range as well as Jackson Lake. In 1943, President Roosevelt established Jackson Hole as a National Monument.

General Land Office Survey

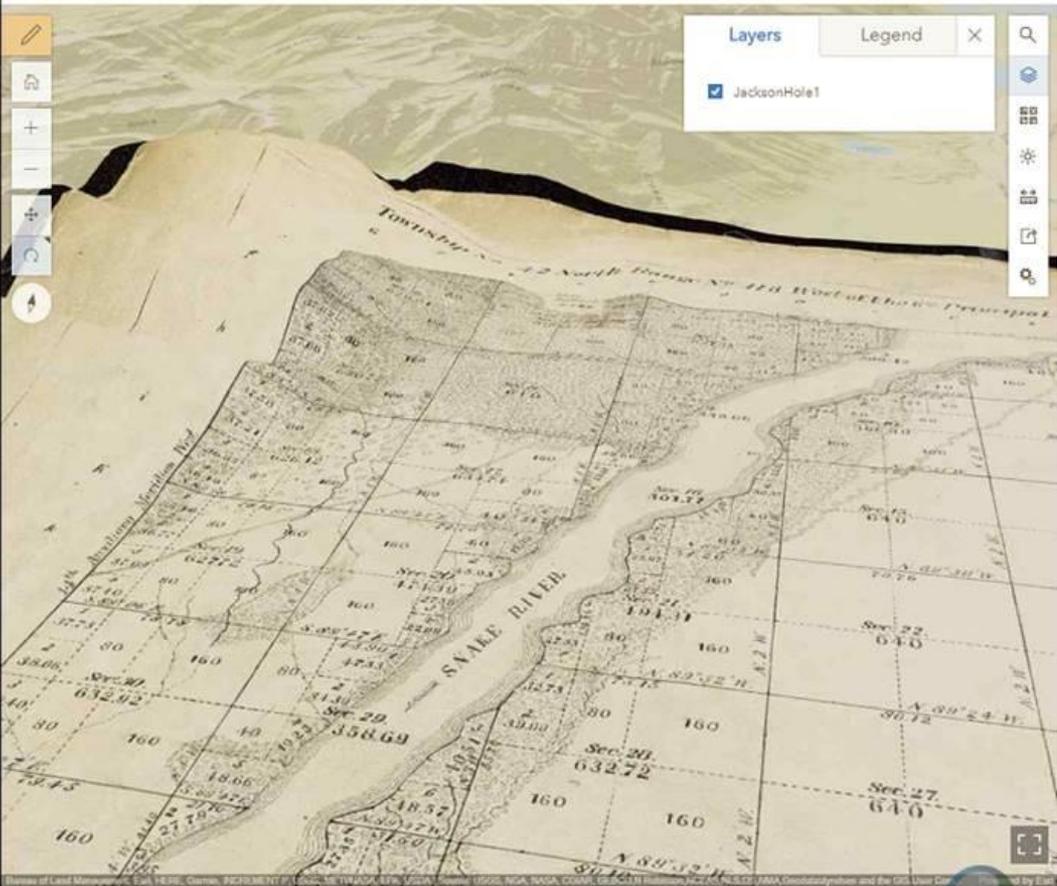
Plat_58221_1.PDF

Home Jackson Hole 3D

New Scene Daniel

Layers Legend

JacksonHole1



Show all

Image from General land Office Story Map

Next Steps

- ❖ In the coming months the Cadastral Subcommittee hopes to:
 - ❖ Develop a software tool for assisted automation of Section Subdivision in the Parcel Fabric (PLSS)
 - ❖ Develop a draft cadastral framework for non-PLSS states (PLSS)
 - ❖ Coordinate with Federal Agencies on the use of PLSS to enhance vertical integration of surface managed lands (SMA)
 - ❖ Develop outreach to states for cooperative maintenance including a pilot project with the State of Alaska for potential shared stewardship and maintenance (PLSS)
 - ❖ Publish a web service for inventory and status of state and regional parcel data aggregation progress and links to data (Parcel Data)

Questions?

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