

# Cadastral Subcommittee and BLM Cadastral Related Activities FGDC Update



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# Presentation Topics



- Cadastral Reference Data
- Public Lands Surface Management
- Federal Subsurface Management
- Federal Land Agency Coordination
- Parcel Data (and Federal Rights and Interests)
- National Coordination

The agenda topics mirror the Cadastral Theme Strategic Plan and Theme Implementation Plan

# Cadastral Reference Data



- All 30 Public Domain States now have a starting PLSS CadNSDI data set.
- Plans and Discussions for Federal non-PLSS Reference data are underway.
- BLM National Operations Center is gearing up to host and publish a PLSS feature service, updated from cadastral data stewards

# Public Lands Surface Management



- Many agencies from local governments to states to a wide range of federal agencies have surface management responsibilities.
- This information is integrated into many applications and supports many business needs including Census, Wildland Fire, Protected areas Database to name three.
- BLM has initiated efforts to standardize BLM's reporting of this data from it's records and expects to have regular consistent reporting in 2017

# Federal Subsurface Management



- Two federal agencies are responsible for federal subsurface management, BLM on continental lands and Bureau of Ocean and Energy Management (BOEM) for offshore lands.
- BLM has initiated efforts to standardize BLM's reporting of this data from its records and expects to have regular consistent reporting in 2017
- BOEM is modernizing and updating its mapping and publication of the offshore federal interests

# Federal Land Agency Coordination



- The primary agencies engaged in Federal land Coordination with BLM include NPS, FS, FWS, BIA, and DoD.
- While all federal land agencies can benefit from the standardized PLSS (described in Goal 1) the Indian Buy Back Program and BIA are examples of active and ongoing coordination.
- The BLM is a partner of the Buy-Back Program and BIA and collects and updates the PLSS within Indian Country. In 2016 BLM completed the initial collection and update to the PLSS and mapped 75 Indian reservations. Parcel data was mapped for an additional 13 reservations.

# Parcel Data (and Federal Rights and Interests)



- Federal agencies do not have the authority to collect or maintain parcel data on non-federally managed lands.
- For non-federal lands BLM and Cadastral Subcommittee has supported an inventory of available parcel data and facilitated state aggregated standardized data.
- For federally managed lands parcel data takes the form of individual transactions identifying specific federal rights and interests.

# Parcel Data (and Federal Rights and Interests)



- The BLM published the Speciation for Descriptions of Land ([http://www.blm.gov/wo/st/en/prog/more/cadastral\\_survey.html](http://www.blm.gov/wo/st/en/prog/more/cadastral_survey.html)) in 2015.
- In 2016 the full implementation of these specifications included establishing cadastral review for all land descriptions affecting federal lands and to verify conformance to this standard.
- The standard will also assist lands and realty personnel with providing standard land descriptions for land transactions.

# Parcel Data (and Federal Rights and Interests)



- The subcommittee continues to support the advancement of State stewardship for the assembling, aggregation, standardization, and publishing of locally sourced parcel data.
- Through the wildland fire support, homeland security data needs, and Census boundary quality improvement efforts it is apparent that State-hosted standardized accessible parcel data is essential to support many Federal, State, and local programs.

# National Coordination



- National cadastral coordination includes supporting consistent standardization, vertical alignment, and appropriate currency.
- The subcommittee and BLM participated in the Homeland Security sponsored national parcel data set workshops in June and October, presenting at both workshops.
- The socialization of content and activates continues to be successful through Twitter @cadnsdi, Geonet, You Tube (cadnsdi channel) and other outlets.

# 2017 Planned Activities



## **Goal 1:** *Cadastral Reference - Including the Public Land Survey System (PLSS) and Other Frameworks*

- Continue to provide updates and enhancements to the 30 states PLSS data including establishing a release schedule for all states. This will include extremely complex areas with numerous minerals surveys.
- Define and maintain a framework for reference in non-PLSS states and define a maintenance approach and schedule.
- Complete the conversion of all PLSS data to the Parcel Fabric for ease of maintenance.

# 2017 Planned Activities



## **Goal 2:** *Public Lands Surface Agency Management*

- Review current maintenance and update approaches to Surface management Agency in all BLM Administrative States.
- Automate standardized reporting for Survey Management Agency Updates.
- Initiate the positional realignment of SMA with the PLSS.

# 2017 Planned Activities



## **Goal 3:** *Federal Subsurface Management Areas - Including offshore and continental*

- Establish standards and workflows for subsurface interest maintenance, tracking and reporting.
- Begin the development of a national subsurface data set. The PLSS standard data set will be used to establish this data set.

# 2017 Planned Activities



## **Goals 4, 5 and 6:** *Land management Agencies, Parcel Data and Coordination*

- Continue with discussions and coordination among other federal land agencies
- Publish a web service for inventory and status of state and regional parcel data aggregation progress and links to data
- Continue to coordinate with other FGDC working groups and subcommittees on activities related to cadastral information.