**A coin on a rock

Description automatically generated with low confidence**

**Cadastral TWG**

**4/27 Meeting Agenda**

1. Call to order/Roll
   * Chris Haines - IDL
   * Wilma Robertson - ITS
   * John Sharrard - Esri
   * Byron McCombs- BLM
   * Linda Davis - Idaho Water Resources
   * Jackie Malloy - City of Chubbuck
   * Jan Cunningham - Esri
   * Jeff Cook - IDPR
   * Jeff Hedstrom - State of Montana
   * Jeff Swann - BLM
   * Melissa Jankovic - City of Moscow
   * Robin Dunn - IDL
   * Cole Rosner - Idaho Water Resources
   * Steward Ward - Private Surveyor
   * Tom Kearns - IDL
   * Lfrederick - Laurie Frederick - Valley County Cartography
   * Sydney Lewis - ITD
2. Topics

* **Parcel Fabric in Pro Overview**

John Sharrard (ESRI)

Key points:

Enterprise based for multi-user

File GDB for single user

Record Driven workflow

Geometry Driven workflow

Improved boundary model

Simple features

No COGO requirements

Easy to adopt and fast to deploy

Easy integration between agencies

* **Background on the Cadastral TWG**

Cadastral Reference is the spatial grid of township, range, section, quarter-quarter lines, special surveys, mineral surveys or any line or corner established by a federal survey generally referred to as the Public Land Survey System (PLSS).

* **Vision**

Idaho has a statewide Cadastral Reference base map that is:

* + Seamless
  + Meets accuracy needs and standards
  + Easily accessible to the GIS community and the public
  + Digital
  + Mutually beneficial to both the data producers and the data consumers
  + Continually maintained
  + Supports a multi-purpose land information system
  + Strives to comply with appropriate state and national standards, and
  + Will continue to be improved over time
* **Goals and Objectives**
* Describe the current status of the GCDB and 24K PLSS across the state including statements of accuracy
* Inventory and describe the current uses of the GCDB, 24K PLSS and local cadastral reference systems for GIS mapping, especially parcel mapping
* Document and present what has been shown to be possible at a local, regional, and state level, using examples of successful systems
* Develop and implement, short-term, temporary procedures to assist with various GIS cadastral reference data needs while more long-term permanent solutions are being developed
* Establish an education and outreach program supporting the vision
* Work with BLM and local stakeholders to accomplish GCDB accuracy enhancement in priority areas
* Where appropriate, use the information placed in the central control point database to enhance the PLSS
* Promote legislation and public policy including developing a funding mechanism to support the vision
* **Difference Between the Cadastral, Parcels, and Boundary TWGS** –

Wilma Robertson

* Boundary TWG is working with data for administrative boundaries and ownership
* Parcel TWG is working with County Parcel data
* Cadastral TWG is working with the PLSS and will incorporate data from the Geodetic control TWG
* **Original Cadastral TWG History**

Chris Haines

The cadastral reference initially looked into the best Public Land Survey System dataset to use as a statewide reference and ways to manage the data and improve the positional accuracy of the data.

We decided to use the BLM’s CADNSDI data as a starting dataset and the Esri Parcel Fabric as a management mechanism.  We met with Esri staff from the Parcel Fabric team at Esri UC in San Diego.  Additionally, we talked to members of the Montana State Library who had migrated their entire state into the Parcel Fabric using the BLM’s CADNSDI dataset.  After these meetings, we decided to migrate Idaho’s CADNSDI PLSS data into the ArcMap Parcel Fabric.  We started with a pilot area of Ada County.  That seemed to work well, so we decided to migrate the entire state into the Parcel Fabric.

We completed the statewide migration and incorporated IDL’s ownership into the Fabric.  Around the same time that we completed this, IDL started a significant business system upgrade which consumed a considerable amount of time from these same members.  Due to this, the cadastral group stopped meeting and dissolved.

* **Round Robin**

How do you currently use the PLSS?

Where do you get your PLSS data from?

How do you update your PLSS data?

* Discussion included question about how separate agency can manage the same area data.
  + Esri's answer: You would be managing two separate parcel fabrics independent of each other.
  + Development team is looking into tool to aggregate different fabrics together.
* Water Resources (Wilma) - Took our IDL dataset and collected control points from other agencies.  Water Resources must have a quarter quarter or gov lots for any of their POD etc.  They would then artificially edit the PLSS data to include the water area to have quarter quarter/ gov lots.
* Montana has a collaboration with the BLM to maintain the PLSS data.  They work with the counties to adjust the county data in sync with each other.
  + They will be using a file geodatabase.
  + In their experience the enterprise geodatabase is real touch and go.  They have had some difficultly it sounds like.
* **How Often do we want to meet?**

Decision was made to meet every 2 months

* **Action Items**
  + Wilma, Robin, and Chris will meet to review methods of integrating the PLSS into a statewide layer and come up with Pro and Cons for the various methods
  + Jan will work with the counties to collect their PLSS standards
  + Other Agencies working with PLSS will have their standards ready
  + Byron will provide the schema for the CAD SDI