
Arrowhead County Geospatial Collaborative Meeting

Friday, April 13, 2018 | 10:00am – 12:30pm

ARDC | 221 West 1st Street | Duluth, MN 55802 | join.me/arrowheadrdc

Goals of the meeting: Review work to date, review BLM control point table in relation to the pilot project, assess pilot project timelines and who will do the work, address what is needed in order to update the public ownership layer.

Notes

Goals for today

- Work done so far today
- **Robert Manzi retired from BLM, Troy is working with BLM to identify a new contact. Any questions could go to Troy for now.**
- **Include Carter Dean from US Forest Service in future meetings – Charlie will add**

2. Review of BLM Control Table

- Review Control point data field comparisons between counties (Charlie Moore)
 - Some counties have shared data – St. Louis, Carlton Lake, Need Cook yet, DOT and DNR
 - Looked at a comparison of what was shared in the metro (Geoff Maas)
 - Ease of access – St. Louis – what they know of they have available, many surveyors do not want to share due to competitive advantage. St. Louis County believes should be open.
 - Are we only considering GPS coordinates? We would consider any certified corner where collection method and calculation info available. Date stamp (Observation Date) will be important to allow for future comparisons
 - Folks want to be able to provide data in the format and coordinate system it is in. this will be accommodated through changing X,Y to coordinate as opposed to Lat/Long
 - Fields to keep
 - Surveyor
 - First Name
 - Last Name
 - License number
 - Agency or Business Name (optional)
 - License State (is this needed for this pilot)

- Project
 - Horizontal Datum (see domain list and
 - Coordinate system (make sure County Coordinates included) need some
 - Point ID (this is the ID submitted by the authoritative source)
 - BLM Designation (this needs to be added and perhaps generated)
 - Date tag (Generated date) – date the point was generated based on surveyor measurements and calculations.
 - X coordinate
 - Y coordinate
 - Horizontal Accuracy
 - HA Units
 - Collection method
 - Township }

Required if BLM Designation is not available – Need to come up with a recommended guideline for this
--
 - Range }
 - Section }
 - Corner category
 - Point type
 - Monumented - optional (this is a yes/no/unknown, T/F type of field)
 - Monument_Type – optional field if Monument is yes)
- *** If only alternate values are provided authoritative sources will need to provide coordinate system and projection as well.
 - We should provide this as an XML template as part of this effort.
 - What items should be added or removed from the BLM table? (See above)

3. Review SharePoint (Dan Ross)

4. Overview of pilot project (Charlie Moore/Dan Ross)

- Who – St. Louis, Lake, & Cook Counties
- Where – Township 59 within the Superior National Forest Boundary
- What – Standardized multi-jurisdictional control point data. About 2000 corners with metadata that defines proper accuracy values and how determined.
 - i. Identify best practices – What are each county’s capabilities for populating control point table?
 - Charlie to create a schema based on the elements agreed upon today

- See barriers below
- ii. Identify available control data – DNR, DOT, County, Etc.
 - Need to include Kevin Sutherland from DOT on this effort. – Charlie to reach out
 - Bruce Shepard and Robert Langer DNR – will look for and share any **DNR data, any certified data they may have also submitted to the county. – Hal will put it on the SharePoint when he receives it.**
 - **Do not yet have the US forest Service data yet – Luverne to provide? Eric will try to track this down and get it in the SharePoint.**
 - **Each authoritative source asked to map their data to the required elements below - all**
 - **Need to obtain control from Itasca – Charlie to follow up.**
- Identify project workflow/number of hours for funding estimates, timeline – Are there potential barriers authoritative sources have?
 - There are challenges in Carlton – time
 - Need to hear back from Troy as to when BLM will be able to work on this. That may drive to some target date.
- How might this be adapted for the entire Region? No discussion occurred here

5. Building a Generalized Public Land Ownership Layer (Tom McCann/Eric Gdula)

- Can we build/update another layer?
 - Yes, now that the state parcel standard is approved counties can move toward that standard and an ownership map and or web map service can be created
 - Identified ARDC could be the repository but the state will need this data as well
- Can the layer be attributed to facilitate query and analysis?
- How can we include sub-types for the generalized owners?
 - **Ryan and Geoff to have a discussion and create a further discussion and draft – Likely in June. Consider just to the department level. – Folks seem to agree this may be adequate.**
- Assessing misidentified acres (SLC)
 - How we fix the data to correct St. Louis County data that shows US Forest Services lands but they are not. – Not an easy method to do this as it will require title search, etc. Exchange of land back in the early 1900's. **Forest Service to send any documentation they have to Ryan at St. Louis County.**
- State parcel standard
 - **Need and XML schema and File Geodatabase needed. Geoff and Dan to look into this.**

6. Next Steps

- Make changes to pilot project outline based on feedback from this meeting
- Develop estimated budgets/timelines for pilot project, and ownership update
- Need to flush out benefits and provide recommendations as part of this effort.
- **Timeframe for the project – Authoritative sources will work on updating their data and getting it mapped to the mandatory elements above over the summer. Target is to have this data to the BLM by early fall. We will need to share this timeline with the BLM – Tom and Troy to do that.**