

DRAFT PROJECT OUTLINE FOR ARROWHEAD REGIONAL COLLABORATION PILOT

February 5, 2018

WHO

- *Cook County
- *Lake County
- *St. Louis County
- MN DNR
- *MnDOT
- Mining Interests – St Louis County and perhaps other counties as well action item
- MN Power
- Co-op Light and Power in Lake and Cook
- *National Park – not in small pilot area
- *Bear Island - Surveyors
- *Benchmark – Surveyors
- MSP Chapter 4 – Preston to connect with.
- International Joint Commission - may have positional control for the larger pilot area

*Likely to provide control to the small pilot project

Questions we have for this section: None raised

WHAT

1. Identification of stakeholders that would need to be involved in a sustainable process
2. Best practices – these will be defined as we get into the project further
3. Submitted survey control for both the small (we will focus on the smaller pilot area first and pass the FS and BLM for review) and potential large pilot area
 - Raw data will not be in the format of the provided XLS (someone will have to format and data map – the who needs to be determined)
 - About 2000 corners with metadata that defines proper accuracy values and how determined
4. Agreed upon common data Schema for future updates
5. Common collection point for data for the pilot and concept for long term repository for control point data
6. The pilot must include at least annual update as part of the pilot
7. Education to other possible stakeholder regarding the project, opportunities to participate
8. Identify the need for formal data sharing agreements to support the process

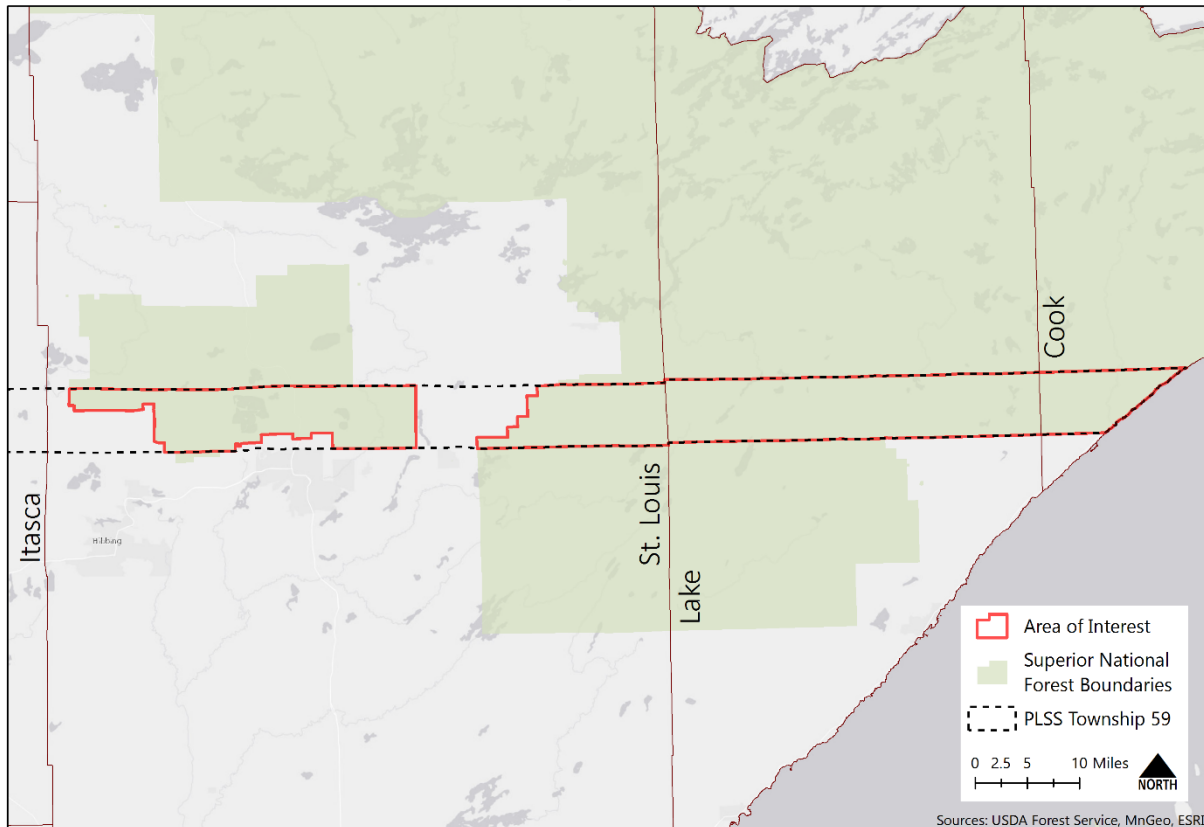
Questions we have for this section: None raised

WHERE

Small Pilot area to prove out the concept.

- Township 59 within the Superior National Forest Boundary

Pilot Project Focus Area



Potential Large Areas after an initial pilot:

1. The Superior National Forest proclamation boundary and beyond to known control.
2. Superior and Chippewa National forests and area in between?

Questions we have for this section:

Should we pursue a local surveyor for those areas that do not have a country surveyor do some basic QA/QC to determine relative accuracy and value of the control data for those areas? Team believes yes and that this would require at least a year to accomplish

RESOURCE NEEDS

1. Resource to ETL from data from authoritative source to an agreed upon data schema

OUTCOMES

1. Updated CadNSDI for the pilot area
2. A sustainable process for future survey control updates to forest service database, state database and CadNSDI
3. Better understanding of existing data structures and what it will take to standardize them in support of a shared control database
4. Ability to use updated data toward the resolution of known meander issues
5. Understanding of the resource needs in pursuit of defining more efficient data sharing and updates
6. Definition of priority areas for improved survey control
7. Build the foundation for a Unified framework for data sharing of common information needed between agencies – starting with survey control 9 Common PLSS and fabric framework
8. The ability for end users to access the common control data and other data common to the purpose of collaborative organization that recognized that data (e.g. Forest Service is the authoritative source for the national forest boundary but that is built from survey control that is agreed upon by collaborative partners – all partners in the pilot recognize to forest boundary in the same place while at the same time understanding its purpose and limitations and is based on recorded documentation.
9. Recommend a best practice for development of section corner inventories.
10. Process to agree on use of control where it makes sense to do so
11. Identify any opportunities for rule making

TIMELINES

We did not complete discussion of this area

NEXT STEPS

1. Troy get in touch with BLM – to discuss and get clarification on several items.
2. Troy – set up a technical discussion with BLM regarding data schema, format, etc.
3. Continue to pursue obtaining data from partners – Charlie local partners, Dan – state partners

Gather control

Management of BLM spreadsheet

Define level of control and potential adjustments related to those controls

Submit control of choice to BLM for adjustment

Testing areas for adjustment based on control available

Review GMM table

Recognize different controls/adjust where necessary

DRAFT