



Cadastre, Boundaries, PLSS Workgroup
Draft Meeting Minutes
May 20, 2009 - 9:30-11:30 AM

Attendees

John Milburn, Hancock Co.
Justin Peters, IDOA
Lorraine Wright, IDEM
Joe Mullins, Hamilton Co. Surveyors Office

Indiana-Michigan Boundary Line Commission

John reported that the Governor had approved and signed Senate Enrolled Act 530 but there was no funding allotted for it. <http://www.in.gov/legislative/bills/2009/SE/SE0530.1.html>

The Workgroup could volunteer to provide information to the Commission (once established) regarding the data sharing initiative, INMAP and the activities of the Workgroup (Boundaries, Cadastral, and PLSS).

Information needed for the Workgroup

Attendees identified questions that needed to be answered in order to move forward for the Tie Card Project.

Potential questions for a questionnaire to be discussed with County Surveyors:

1. Do you have your Tie Cards Scanned?
2. What type of digital format are the scanned images in (tiff, pdf, other)?
3. Do you have a computerized table (spreadsheet or database) with Tie Card information and/or PLSS corner information?
4. Which data do you have entered in a table (tie card, PLSS corner or both)?
5. Do you have your Tie cards posted on the web?
6. Would you be willing to work with IGIC to get your tie cards viewable in a state-wide viewer in INMAP?
7. Would you be willing to share your tie card info over the internet if someone from IGIC assisted in the process?

Lorraine is to contact Kent Ward, Hamilton County Surveyor, regarding a questionnaire that was sent out to Surveyors. The survey may help answer some of the questions the Workgroup has relating to the Workgroup activities. Kent is working with the County Surveyors Association which meets two times a year: 1) Road School (March) and 2) Indiana Association of Counties, IAC (September 29-October 1, 2009)

Outreach

Lorraine needs to contact Dave Gustin, Hendricks County Surveyor, and see if there is an opportunity for IGIC staff to either make a presentation or be available for questions at the IAC Surveyors meeting regarding the Workgroup activities.

Webinar for Tie Card Project

During the April Meeting it was suggested that we create a Webinar regarding the "how to process" for participating in the Tie Card Project. The Webinar would be available to the County Surveyors to use at their convenience. Maintenance of updated Tie Card records would have to be addressed and implemented for the Tie Card Project to work properly.

Lorraine went through the components of the Tie Card Project utilizing information that is posted on the IGIC website.

To acquire Stimulus Money

Projects must be:

- Bid on
- Shovel ready
- Create jobs
- Show benefits

National Cadastral Standards

Lorraine conducted a cursory review of the Cadastral Standard from the website. The FDGC Standards for Framework Data are at:

http://www.fgdc.gov/standards/standards_publications/index.html

The workgroup members are to review the standard. Define the Federal naming convention for the GIS PLSS corners. Determine what is needed to link the Tie Card information to the GIS PLSS naming convention once the coordinates are acquired for the surveyed PLSS corners.

Need to define the boundaries of the counties, civil townships, etc. Find standards if available.

Discussed some items that are needed:

- Coordinate system
- Datum
- Geoid ellipsoid used
- Unit
- Year

Coordinate Systems and Attributes of PLSS corners

Discussed the various Coordinate systems used throughout the State.

- County Surveyor's use State Plane
- State Agencies use UTM
- Federal Agencies use Latitude/Longitude: Degrees/Minutes/Seconds and Decimal Degrees
- INDOT Highway Projects have their own Coordinate System (Engineering based) not in State Plane or UTM
- Contractors often use CAD drawing for engineering projects (coordinate grid beginning at zero, zero)

Attributes needed for PLSS corners:

- Level of accuracy of coordinates
- Horizontal accuracy
- NGS 1st, 2nd, 3rd order, reference only, or other

County Boundaries

Justin stated the State Land Office is responsible for the Official County Boundaries and information relating to County Boundaries should be filed in their office. Need Legal reference.

INMAP – Project status

- Counties participating in the data sharing initiative for specified framework layers
- 64 Counties participating as of May 30, 2009

Tasks:

1. Workgroup participants - Review Cadastral Standards
2. Lorraine - Follow up with Dave Gastin to see if there are opportunities for information sharing at the AIC conference this fall.
3. Lorraine - Create Webinar within next 60 days

4. Lorraine - Contact Kent Ward regarding questionnaire that was sent out to County Surveyors.

Future Tasks:

- Review # 2 below: Standards for Governmental unit and other geographic area boundaries
- Define the Federal naming convention for the GIS PLSS corners
- Determine what is needed to link the Tie Card information to the GIS PLSS naming convention once the coordinates are acquired for the surveyed PLSS corners.

Follow up items after meeting:

1. Things to ask surveyors regarding coordinates on PLSS section corners – provided by Joe

- Which do you use: State Plane, UTM, Lat and Long, or Local System?
- What are the units? (US Survey feet, International Feet, Metric, or other)
- What is the horizontal accuracy?
- What is the NGS order of accuracy (A, B, 1st, 2nd, or reference only)?
- What is the vertical accuracy?
- What is the horizontal and vertical datum?
- What ellipsoid/geoid did you use?

2. Jurisdictional Boundaries Standards – provided by Lorraine:

- Geographic Information Framework Data Standard
- Part 5: Governmental unit and other geographic area boundaries

http://www.fgdc.gov/standards/projects/FGDC-standards-projects/framework-data-standard/GI_FrameworkDataStandard_Part5_GovernmentalUnitBoundaries.pdf

3. Indiana Code for the State Land Office – provided by Lorraine

<http://www.in.gov/legislative/ic/code/title4/ar20.5/ch2.html>

4. General Land Information – provided by Lorraine

Records of the Bureau of Land Management, (Record Group 49) held in NARA's Great Lakes Region (Chicago, IL)

Records of the General Land Office, 1800-1908

Land Offices in Illinois, Indiana, Minnesota, Ohio, and Wisconsin

The National Archives and Records Administration-Great Lakes Region's General Land Office (GLO) archival holdings are comprised of 128 bound volumes created by local offices in Illinois, Indiana, Minnesota, Ohio, and Wisconsin. Our holdings do not include records for Michigan. Most of the volumes record entries for cash payments, credit certificates, and purchase applications. A few volumes contain copies of correspondence, homestead information, and abstracts of land warrants. Overall, the information is generally limited to the name of the purchaser or grantee, the county of residence at the time of purchase, a legal description of the land, and the certificate number.

<http://www.archives.gov/great-lakes/finding-aids/land.html>