GIS Advisory Council

August 31, 2023

Council Members

Alfredo Herrera	Gary Archambault	Emily Wilson
Scott Gaul	Erik Snowden	Peter Sampiere
Stuart DeLand	Mark Hoover	Meghan McGaffin
Jennifer Petrario	Thad Dymkowski	
Dan Czaja	John Guszkowski	

Agenda

- Introductions

Attendance:

Alfredo Herrera	Gary Archambault	Emily Wilson
Scott Gaul	Erik Snowden	Meghan McGaffin
Stuart DeLand	Mark Hoover	
Jennifer Petrario	Thad Dymkowski	
Dan Czaja	John Guszkowski	

Official Start time: 1:03pm

Introductory remarks

- Fully staffed GIS Office
- Coordinating across state agencies

Public comment

- No comments

GISO Priority Topics

1. NSGIC Geospatial Maturity Assessment - Alfredo
   - This is the second assessment. 2021: B to 2023 B+
   - Coordination went from D to A
   - Addresses went from A to C+
     - GISO started digging into the process and now the grade is more accurate to where the addresses are
   - Orthoimagery leaf on is a C+

- o CT focuses on leaf off,; leaf on is not currently a priority
- o If someone feels strongly, we can work on or change it
- o NAIP flight this year/over the summer, will be available around November/December
- Geodata control
    - o Important, but not a critical component immediately
    - o Open to discussion if others think it is more of a priority
- Erik: Why is elevation A-?
    - o Age + QL2; big push from USGS for QL1 data
- Questions to ask moving forward:
    - o What is the weighting on the federal led themes? Some things are not a priority in CT, so are we being penalized for things that we don't have a big use for

2. Aerial Imagery and Elevation Data Acquisition - Alfredo
- Spring 2023, Spring 2026
- Processing is now beginning
- Dewberry is the vendor
    - o 3" 4-band imagery
    - o QL1 LIDAR data
    - o ½ m DEM
    - o Contours (1 ft)
    - o Building footprints – every structure larger than 100 sq ft
    - o 3D terrain model
    - o Adjusting height ranges for vegetation
    - o Data is very detailed and impressive
    - o Color gradient will look different from 2016 flight; might take some additional processing to correct color
- Meghan: what does level of detail 2 mean for the 3D terrain?
    - o Specific to building, not terrain
    - o Just a square/block is detail 1; detail 2 you can see the details of the buildings; more representative of what the structure looks like; helpful for planning and visualization
- Showing sample visualizations from the data
- New LIDAR data is 10x more details
- Meghan: The 2016 contour data was parsed into 8 large chunks; will the state be able to do the same as a deliverable? How will the data be made accessible for consumption?
    - o We are still exploring options but will come up with a way to make a way more consumable since it's a giant dataset
    - o Some datasets will be handled by CT ECO, some will be published on geodata portal – all will be federated through geodata portal
- Will be finished by the end of the year

3. CT GIS Strategic Plan – Carl Zimmerman

- Updated project plan and calendar
- Data collection phase finished
- Next phase: series of outreach events for people to provide input for themes; which things in our master list are the highest priorities
  - Internal review
  - Workgroup review
  - Stakeholder events where we go out into the community to get input from people in the community
  - Outreach to advisory council to get input
- Then we will identify the priority themes to focus on for the next 5 years
- November: present plan at GIS day
- December: final reports and output
- GIS Advisory Council will get to review plan before it is official
- Meghan: stakeholder outreach; is something happening in the locations, how is the stakeholder outreach working? Are you able to do a presentation at SNEAPA in early October?
  - Yes, can do a presentation
  - Stakeholder process: by invitation to the community, they will see all the information we've collected so far; lay those out and give them a worksheet so they can prioritize what they think is important. We will review. The attendees will be GIS professionals or people who are GIS adjacent/users of spatial data

4. Parcel Data Collection and Aggregation – David Lukens
   - Fourth data collection from ISPs underway; just sent out request
   - Completed the statewide parcel layer
   - On our way to having the statewide parcel viewer
   - Talking with Department of Agriculture for use of parcel data with their projects

5. Statewide Addressing and Geocoding – David Lukens
   - Began the address verification process
   - Thad: For addressing when you run across discrepancies, are you going to go back to the source of the data? What are you going to do with the discrepancy?
     - We don't get address data from parcels
     - Our process is to create a grade for each address, create dictionary of spellings
     - If it gets a low score, then we will try to circle back around to towns that can verify the addresses
     - Long term goal to have new addresses submitted to one place
   - Caleb: With the statewide parcel layer, how much attribute standardization are you attempting to do?
     - We've selected ~40 fields to target standardization. Those will be joined to parcel viewer

- Qian: When could we expect the state parcel viewer? Will the state-wide data layer with the standardized attributes be downloadable?
    - Goal of the end of the year for parcel viewer
- 1.3 million parcels for the whole state

Parcel Data Creation Workgroup – Thad

- Document goals: create framework, create comprehensive datasets
- Aggregate common scenarios that people run into when creating GIS geometry for parcels; create a guide to help deal with these topics; give everyone a baseline for how the data is representative of the real world
- Advisory council feedback:
    - Need for additional topics?
    - Depth level of technical information
        - Add in details; maybe in an appendix; "cookbook" style
        - Add in shortcuts
    - Section of text to review to the advisory council
        - Condos and trailers section
        - Be platform and method agnostic; talk about various tools in a conceptual way (not ESRI specific)
- Original intent of what this document is & isn't
    - Provide instruction with regards to geometry creation
    - A separate parcel standard would cover attribute information, that will tie into the document

GIS Clearinghouse Workgroup – Emily

- Implemented a survey approach to visit all of the other state's GIS clearinghouse's; created spreadsheet matrix with all of the topics; looking for topics that ranked very high; decided what they'd like to see in the new clearinghouse
- Distinguish between Geodata Portal and GIS Clearinghouse
- Feedback:
    - Add highlight/focus/spotlight to see what data is available
        - Once a month, introduce a certain dataset; make a data story
    - How would you want to use a GIS clearinghouse? What would you get out of it?
        - To be able to filter data before you can download it
        - Instructions on how to use a service
            - ArcGIS → AutoCAD guidance
        - Website accessibility recommendations; If you're getting federal $ for projects, need to meet accessibility guidelines

- Having it available at the town boundary is really important; for download or for service
- More formal way to fix/improve datasets
- Data from MAGIC – where will it move to?
  - Some are on the ECO server; new MAGIC librarian to figure out what they will do with it
- Ways of communication to disseminate the information
  - Beginning to prototype GISO Newsletter & Blog

Closing remarks

- Alfredo thanks everyone for attending and joining the discussion

Adjourn: 2:27pm