



# North Carolina Geographic Information Coordinating Council

## Minutes

November 16, 2022

### PRESENT

Hope Morgan (Chair), Steve Averett, David Baker, Kathryn Clifton, Bob Coats, Jason Dowdy, Stan Duncan, Kristian Forslin, Dean Grantham, Joanne Halls, Pokey Harris, Jason Hedley, Matt Helms, Dan Kempton, Kitty Kolb (acting FIC Chair), Sarah Koonts, Rich Elkins for Elaine Marshall, Chris Nida, Haley Pfeiffer-Haynes, Allan Sandoval, Allen Serkin, Dan Madding for Gary Thompson, Linda Thurman, Christian Vose, Natalie Walton-Corbett, Melanie Williams, Eric Wilson, and Vanessa Wrenn

Staff: Tim Johnson, Colleen Kiley, CGIA

### ABSENT

Paul Badr, Amy Barron, Seth Dearmin, Dianne Enright, Bill Shankle, Brooks Tate, and Tony Simpson

### PROCEEDINGS

The council held its meeting in person at the Albemarle Building, 325 N. Salisbury Street, Raleigh, and via Webex.

#### Welcome and Chair Announcements

GICC Chair, Hope Morgan, welcomed the members to the fall quarterly GICC meeting. She began by announcing that future meetings will be in person, with no virtual option for council members unless circumstances dictate virtual as the only option. Ms. Morgan thanked Scott Lokken for his work on the Council as the Federal Representative and Chair of the Federal Interagency Committee. Mr. Lokken recently retired from the US National Geodetic Survey. Finally, Ms. Morgan announced that the final [outreach meeting](#) will be held in Kernersville on December 9<sup>th</sup>, and the recent Asheville meeting had been a success.

#### Approval of Minutes

The minutes of the August 17, 2022 meeting were approved for adoption with no changes.

## Presentations

### *GIS Day (Heather Paxson and Dylan Morgan)*

Heather Paxson and Dylan Morgan provided an overview of Raleigh's GIS Day event at the Raleigh Union Station. They hosted presentations, booths, and poster sessions. The Raleigh GIS Day event has been held for over a decade, and this year the presentations included a mix of private and public sector as well as educational institutions.

### *Infrastructure Working Group Draft Preliminary Report (Colleen Kiley)*

Colleen Kiley presented a summary of the Infrastructure Working Group's (IWG) Draft Preliminary Report.

Ms. Kiley provided an overview of the tasks undertaken by the IWG, followed by results of a survey that quantified some of the reasons why groups share data openly, keep data private, and what factors may influence those decisions. A third option of a secure data sharing website was discussed by the working group but is not widely used within North Carolina. However, there is a federal example of this kind of data sharing method.

The report covers many of the difficult issues around infrastructure data sharing, and Ms. Kiley presented a subset that included difficulties in finding best practices for GIS specific data, safely displaying data using buffering or scale dependencies, and how these decisions are individual decisions not universal practices, and issues around service area definition. Service areas are defined in different ways and may not represent areas where all homes within them can obtain service from a particular provider. They may be approximate boundaries or boundaries intended to represent planned expansions.

Ms. Kiley finished her presentation with the report recommendations for data providers and the state/GICC. Afterward, Mr. Helms led a discussion on the report with a focus on what actions the GICC should take in the near future and going forward. Members expressed frustration in obtaining service area boundaries, and DOT in particular has spent significant time and funds in attempts to obtain service area boundaries. Utilities may not be required to share boundaries, so these agencies are met with resistance or lack of response in their attempts to create a statewide layer. There may be a requirement to provide service area boundaries to certain state or federal agencies, and more information is needed on the laws, requirements, and data sharing restrictions around this data. Members also shared experiences of how data sharing can be extremely beneficial to local governments and to state project planning. The discussion included the needs of GICC members to access data during emergencies and questions of how utilities share data with external utilities who arrive to help repair damages after an emergency event. Regarding the report's survey findings that data quality is a large factor in whether providers share data openly, the members discussed whether funding was needed in order for small local governments and utilities to accurately map infrastructure that may have been installed well before modern mapping technology was available. GICC members should weigh in on what focused actions the GICC should take in the near future and going forward by November 30.

### *Municipal Boundary Working Group Update Tool and Pilot (Bill Toole and Colleen Kiley)*

Deputy Secretary of State Bill Toole spoke on behalf of Council Member and Secretary of State Elaine Marshall. Mr. Toole expressed his office's support for tools that provide more transparency in government data and streamline workflows. He said the municipal boundary update tool will benefit both of these goals. He thanked the working group for its efforts and for the tool development.

Colleen Kiley presented a demonstration of the Municipal Boundary Update Tool and Annexation Pilot. The goal of the tool is to encourage every municipality in the state to review and approve their municipal

boundary shown on a comprehensive municipal boundary layer in order to create an up-to-date baseline layer that can be used by all who need this data. The tool includes the ability to submit a boundary update to correct errors in the existing data. Also currently being tested is a pilot project to test an annexation submittal tool. The annexation submission tool will eventually be the method for collecting annexation data by the Secretary of State Land Records Management Office and will provide the information necessary to keep the municipal boundary data up to date. The tool is designed to eliminate much of the duplication of effort that exists in state government in collecting municipal data and the confusion that exists in deciding which layer is the most accurate.

The Municipal Boundary Working Group needs assistance in encouraging all municipalities to approve their boundary and called upon the assistance of GICC members in communicating this to the community. The Council members discussed the known issues in communicating with communities statewide and agreed that multiple forms of communication would be necessary for implementation.

#### *NC OneMap Disclaimer (Tim Johnson)*

Tim Johnson provided an update on the NC OneMap disclaimer. After review by the NCDIT Chief Privacy Officer, the GICC approved disclaimer was cleared for use and is on NC OneMap.

#### **2023 NC GIS Conference**

The 2023 NC GIS Conference will be held in Winston Salem March 7-10. Registration for attendees and vendors will be activated by the end of November. Tim Johnson announced that [abstracts are still being accepted](#), and the Herb Stout Local Government Award will be offered using more flexible selection criteria.

#### **Committee Highlights**

David Giordano reported on behalf of Paul Badr for the Statewide Mapping Advisory Committee (SMAC). The 2022 imagery is complete and will be delivered to the counties within the next few weeks. Vendors have been selected for the 2023 Southern Piedmont and Mountains project which will follow the same schedule as previous years. The 2023 project will complete a round of statewide acquisition.

Building footprints are being updated for coastal counties using various sources. The data is being quality checked against the most recent imagery and edits are being performed by hand. A conflation tool is being developed for attributes, and testing is being performed to automate the process in keeping with the building footprint business plan. Hope Morgan asked if the updated buildings would be available online, and Dan Madding answered that their goal is not to release the dataset but they would be sent to individual counties.

On average 75 counties are updating parcels quarterly, and the seamless parcels working group will be concentrating on consistent attribute population.

Matt Helms updated the committee on the Technical Advisory Committee (TAC) which met December third to review and discuss the infrastructure report.

Natalie Walton-Corbett provided an update on the Local Government Committee (LGC) which has been focusing on collecting feedback from local governments. In addition to the outreach meetings, the LGC focused its last general meeting on providing information on building footprints, hydrography, and elevation and gathering specifications from its members to take to those working groups. She recognized Pam Carver for her contributions to the Seamless Parcels Working Group. Ms. Carver will be stepping

down as chair, and Katie Doherty will be stepping into the role of chair as the group changes its focus to consistency in attribution.

Kitty Kolb, Acting Chair for the Federal Interagency Committee (FIC) reported on the FIC's recent activities. In fulfilling one goal of the committee, the FIC has added two members to its executive committee from the Eastern Band of Cherokee Indians and the Federal Emergency Management Agency. The FIC's general meeting included presentations on federal building footprint data as well as the state's business plan. The committee also heard about coastal change hazards data and resources.

Melanie Williams outlined the progress of the State Government GIS Users Committee (SGUC) which is concentrating on more deliberately defining work plan items and including general membership more in work plan items decisions and implementation. In addition to a brainstorming session on workplan ideas, the general meeting included presentations on interior building mapping and Elizabeth City State University's UAV degrees and their successes.

Hope Morgan reported on the Management and Operations Committee's (M&O) focus on goal planning as we move into 2023 as well as planning and support of the 2023 NCGIS Conference.

### Announcements

Allen Serkin thanked Bob Coats and Colleen Kiley for presenting on the Municipal Boundary Update Tool and thanked Joanne Halls for hosting GIS Day in Wilmington. He also thanked Darrin Smith for the information he provided to the GIS community in response to Alice Wilson's request for information on how to handle updating addresses with national services such as Google. Ms. Wilson brought up the issue that national wayfinding services are out of date, and local attempts to update areas take months or are not updated by those services. The AddressNC service will provide a more up to date address resource that can be consumed by private companies.

Stan Duncan reminded the council of the need to update parcels as state boundaries are resurveyed. He said there is a need to look at issues surrounding parcels and their relationship with municipal boundaries and county boundaries.

Pokey Harris expressed her thanks to Matt McLamb and the CGIA team supporting NextGen 911 by coordinating with communities, vendors, and the state.

### **2023 GICC Quarterly Meeting Dates**

February 8  
May 17  
August 23  
November 1