



North Carolina Geographic Information Coordinating Council

Minutes
February 9, 2017

PRESENT

Stan Duncan (Chair), Bob Brinson (Vice Chair), Steve Averett, Allan Axon, David Baker, Jon Beck, Wesley Beddard, Jack Brinson, Marc Burris, Kathryn Clifton, John Correllus, John Cox, John Dorman, Dianne Enright, John Farley, Kristian Forslin, John Gillis, Derek Graham, Matthew Helms, Bliss Kite, Sarah Koonts, Dan Madding, Rich Elkins (for Elaine Marshall), Doug Newcomb, Josh Norwood, Chris Nida, Kevin Parrish, Anne Payne, Alex Rankin, Nels Roseland, Allan Sandoval, Joseph Sloop, Richard Taylor, and Ron York.
Staff: Tim Johnson, CGIA

ABSENT

Jay Bissett, Jr., Marc Burris, Joanne Halls, and Linda Millsaps

PROCEEDINGS

A meeting of the Geographic Information Coordinating Council was held in the Board Room of the Department of Public Instruction in Raleigh, North Carolina. Chair Stan Duncan called the meeting to order.

Welcome and Chair Announcements

Mr. Duncan welcomed the Council members and visitors.

He welcomed Jack Brinson as a new Council member, appointed by Governor McCrory late last year to represent a state agency at large. Jack Brinson currently serves the State of North Carolina as the Director of Budget and Management for the North Carolina Department of Labor in Raleigh. He has over 33 years of service for the State in the following agencies: Health and Human Services; Justice; Public Safety; and Labor.

Mr. Brinson has had the honor of governor appointments to the State Health Coordinating Council (1989-90); the Tryon Palace Commission (2014-current); and now the Council. He is pleased to be serving with his brother Bob on the Council.

Mr. Duncan introduced Nels Roseland as the new designee of the State Budget Director. Mr. Roseland serves as the Deputy Director of State Budget. He previously served as Deputy Chief of Staff and Chief Financial Officer at the NC Attorney General's Office. He has more than 18 years of experience in public finance, information technology management and organizational development. He also has local government experience having served two terms on the Cary Town Council.

Mr. Duncan called Derek Graham to the head of the table to officially recognize Mr. Graham's contribution to the Council as the designated member from the Department of Public Instruction. He is retiring after 33 years in public service. Mr. Duncan presented a certificate and read a portion of his letter to Mr. Graham:

I would like to express my gratitude to you for your contributions to the Geographic Information Coordinating Council and the GIS community in North Carolina. You attended the second-ever Council meeting in April 1992 as an alternate for State Superintendent Bob Etheridge. By 1994 you were the regular designee for DPI on the Council, continuing to this day. You were instrumental in energizing the State Government GIS User Committee in its early days, serving as its first chair 1993-95, and you have been a reliable host for Council meetings in the Education Board Room for many years. In your 33-year career you have served the school children of North Carolina so well with map-guided, safe, efficient transportation. Congratulations on your retirement and best wishes in your new ventures.

Mr. Duncan continued by reading "A certificate of appreciation is hereby granted to Derek Graham, Section Chief for Transportation Services, NC Department of Public Instruction, in recognition of your excellent service to the North Carolina GIS Community." He congratulated and thanked Mr. Graham for his many contributions.

Mr. Duncan called Anne Payne to the head of the table to recognize her contributions to the GIS community. She is retired as GIS Database Administrator for Wake County, and her term as a private citizen on the Council ends in May when she will be away. He observed that grandchildren, travel and other activities pull her away from seeking another term on the Council. Mr. Duncan presented a certificate and read a portion of his letter to Ms. Payne.

I would like to express my gratitude to you for your outstanding contributions to the Geographic Information Coordinating Council and the GIS community in North Carolina. In addition to your 12 years of service on the Council, your leadership as Chair of the Statewide Mapping Advisory Committee (SMAC) 2008-2012 was invaluable. The numerous working groups and subcommittees of SMAC all benefitted from your skills and enthusiastic support. You made vital contributions to studies and recommendations on data sharing and archiving that continue to benefit the GIS community.

What stands out even more in the GIS community is the success and value of the semiannual NC GIS Conference for which you deserve more credit than we can express. Time after time, your energy, vision, and persistence were key elements in that success.

He added that when he first came on the Council, he had the distinct pleasure of sitting next to Ms. Payne who reached out to him immediately for which he is still grateful. He read the certificate and thanked Ms. Payne again for her outstanding service.

Approval of Minutes

The minutes of the November 9, 2016 meeting were approved for adoption with no changes.

Progress on Statewide IT Activities

John Correllus, Deputy State Chief Information Officer and Chief Data Officer shared recent developments in statewide IT activities. He reported that Keith Werner resigned as State Chief Information Officer (SCIO) and will work in the private sector. The interim SCIO is Danny

Lineberry who is very familiar with the Department of Information Technology and state government. Meanwhile, a search is underway for a SCIO, and Mr. Correllus looks forward to introducing the new person to Mr. Duncan and engaging new leaders to inform them about the value of the Council and GIS in North Carolina.

In response to a question from the Chair, Mr. Correllus explained that the room on the first floor on the right as you enter through the front door is the Data Visualization Studio. This is a counterpart to the Innovation Center in the Green Square Building. Efforts are underway to determine the focus of these spaces and how they can support innovation, a strategic approach and a governance structure.

2017 NC GIS Conference

The conference will take place at the Raleigh Convention Center, February 22-24. Tim Johnson walked through the conference website. Over 700 people are pre-registered, 41 exhibit booths are sold, and it looks to be a successful event. The conference will start with pre-conference workshops on February 22 handled by the Carolina URISA chapter on a range of technical topics. Workshops are sold out.

The approach for February 23-24 is to have 10 concurrent sessions across two days with over 100 speakers. Some speakers are coming from as far away as the west coast. Session topics will include applications by state and local governments, aspects of the GIS profession including ethics and certification, unmanned aircraft systems and other technology. On this 30th anniversary of the first NC GIS Conference, technology takes center stage including a mobile application (no printed program) for the schedule and other conference information and for participating in live polling and voting in the poster session. The conference is taking advantage of Twitter as well. All sessions will be recorded. The plenary sessions on Thursday and Friday will be video recorded.

The morning of February 23 starts with early bird technical sessions. The opening plenary will feature Mr. Duncan and Mr. Correllus presenting the State of GIS in North Carolina and the keynote presentation by the highly regarded Keith Masback, Chief Executive Officer of the US Geospatial Intelligence Foundation. He will talk about geospatial intelligence as a revolution within the GIS community and how it applies to business and the public sector. He will share his thoughts on the GIS profession and what knowledge and skills will be needed.

Food includes lunch stations within the exhibit hall on Thursday as a new feature. Professional groups will meet during lunchtime including the NC Arc Users Group, NC Property Mappers Association, universities, and the Federal Interagency Committee. There will also be a vendor demo theater for the first time. The poster session begins at 5:00 on Thursday during a social in the exhibit hall.

Friday features concurrent sessions in the morning, a sit-down lunch, and an awards ceremony. The Herb Stout Award Competition winners from municipal and county governments as well as 21 students from across the UNC System and Wake Technical Community College will receive their awards. Also, Dianne Enright is organizing a special event to close out the lunch. The conference concludes with more concurrent sessions after lunch.

Mr. Duncan remarked on the number of sessions and congratulated the many volunteers who put together the program.

Hurricane Matthew and GIS

(See - <https://it.nc.gov/event/gicc-quarterly-meeting-292017>)

Mr. Duncan called on Council members who volunteered to present more information about results of using GIS in response to Hurricane Matthew and lessons learned. Landfall occurred on October 8, 2016. There was discussion around the table at the November 9 Council meeting, and this is a follow up with more detail.

Ron York, Principal Consultant – GIS Strategies for Duke Energy Power Delivery, started off by relating his experience with Hurricane Matthew along with his perspective on the overall value of GIS in his work. He explained that GIS is critical to Duke Energy for daily functions. Duke Energy is the largest energy company in terms of total value, including power plants, in the world. Progress Energy and Piedmont Natural Gas are now part of Duke. It has with 7.4 million electric customers and 1.5 million natural gas customers. Services are located in seven states. Duke Energy has its own meteorologists to inform operations.

Duke started using GIS in the 1970s with a rudimentary system that mapped facilities and printed maps. In the late 1990s Duke developed an intelligence GIS system. Twenty years later, a new web-based system was implemented. Users of the new system now number over 6,000. GIS is a hub for all systems, and it covers both transmission and distribution. Ease of use on multiple devices is essential. The GIS is used around the clock. The web-based system uses about 200 datasets from *NC OneMap* as well as federal government and worldwide commercial data sources including Google Street View. Feedback is very positive from users. Work was done to refine power outage data for visual display.

Usage of the GIS peaked during Hurricane Matthew. Duke's approach in anticipation of Matthew was to spread out resources to cover as much of the territory as practical. Priority customers for power restoration include hospitals, water plants, airports and shelters as well as hotels and restaurants to support the field crews on location. Duke uses a lot of SCADA (supervisory control and data acquisition) software as well as GIS. Analysis of phone calls and SCADA data are informative about outages. GIS displays of outages were invaluable.

A total of 4,300 people were assigned to respond to the storm. Outages when the storm hit were extensive and road closures were problematic. Information from NCDOT helped. Staging areas for field crews were large. Managing trucks (and parking lots), lodging and meals is challenging. With contracting, field crews numbered about 10,000, coming from many states. 115 substations were damaged, and 300 miles of lines were lost in the distribution system. Plus, you cannot energize a flooded substation until it is dried out.

GIS analysis tools were used to assess the flooding effects from the storm. In years past, damaging winds from hurricanes and tornadoes and ice storms were the more common causes of outages. Extensive flood damage is fairly new. The low hurricane category at landfall meant less wind damage than expected, but flooding was very widespread and damaging. Not being able to get to damaged equipment was problematic. Future mitigation will include elevating substations. The total cost of operations in the response was \$220-230 million.

Next to report was Dan Madding, ISS Director, Emergency Programs in the Department of Agriculture & Consumer Services. About three days before a storm hits, the department predicted

impact on regulated agricultural facilities based on data from the National Weather Service. Wind speed probability and related power outages were displayed in the first series of maps. Probability was predicted as low. Next, a map of projected rainfall over facility points indicated a significant area that could get 10 to 15 inches of rainfall over five days. Also for planning purposes, floodplain maps were very useful; food firms located within flood hazard areas were identified ahead of time to target response. On Friday, October 7, there was still relative calm before the storm.

A map of three-day precipitation ending October 9 displayed the actual and much heavier rainfall over the eastern half of NC. Agricultural impacts were particularly severe around Lumberton, Kinston, Wayne County, and going north through Gates County. The impact of rain was much worse than predicted. The impact of wind on timber and agriculture was not significant with this storm.

The agriculture emergency operations center heavily used GIS in the situation room. Like Duke Energy, the department did a lot of routing to determine how to get help to facilities in harm's way. A combination of NCDOT's Travel Information Management System (TIMS) and Google Maps enabled rerouting around flooded roads. Mr. Madding also displayed a map with modeled versus actual inundation of poultry facilities based on inundation areas represented by NC Emergency Management and based on calls from facilities.

Also, the Commissioner of Agriculture favors flights to assess agricultural damage. A map of flight paths was generated after each day. Mr. Madding added that the department gets information from Duke Energy about commercial operations that have been out of power for 24 hours to target calls to specific food firms and to prioritize site visits. Composting of spoiled food is another recovery operation.

Aerial photography from NOAA was useful in identifying actual flooding as far as the extent of the imagery. The Cherry Farm Research Station was partly in the area of imagery capture and partly outside. Again, the NC floodplains were a visual reference with our new 2016 imagery.

On another disaster topic, Mr. Madding reported that more than \$50 million has been spent on fighting forest fires in North Carolina this fiscal year. The State has incurred a cost of more than \$22.5 million for nine major fires in western counties.

Mr. Gillis noted a lot of tree cutting activity along Interstate 95 on his drive today, perhaps related to wind damage or wet ground. Mr. Farley added that TIMS will improve with an update and a more reliable service soon.

Next, Josh Norwood, GIS Administrator for Pender County, shared more information about the role of GIS in the Pender County Emergency Operations Center (EOC). He displayed photos from a UAS owned by the emergency management department that show the extensive flooding. Rainfall varied from 5 to 11 inches within the county. Up river, Fayetteville received a record rainfall of 14 inches. Flooding in the Black River Basin reached heights nearly level with power transformers. Overall, Matthew dumped 13.6 trillion gallons of water on the United States, enough to fill the Rose Bowl 163,000 times.

The primary role of GIS in the days immediately following the storm was to provide search and rescue teams with the necessary information they needed to carry out their missions. Mr. Norwood printed more than 200 maps for the EOC. His work supported search and rescue for people trapped or

experiencing a medical emergency. Maps using 2016 orthoimagery, contours, flood zones, and address points informed mandatory evacuation for the Black River Basin. Maps were also used in animal rescue and for food and water drops for people who did not evacuate as well as food drops for animals. Mr. Norwood also created maps for the Board of Commissioners for information about road closures, structures affected, population, and property tax value in the evacuation area. He displayed a map used in evacuation communications; not enough information about the Black River was available for identifying the impact area with confidence, so the area was large as a precaution. This served as a map for television reports. Also, high water marks were collected by the NC Forest Service; the data will be in GIS soon for future reference.

Two to three weeks after the storm Pender County's focus shifted to damage assessment. This storm was unusual in that there was very little damage on the coastal side of the county. In the past, damage assessment had been completed using paper templates that the Federal Emergency Management Agency (FEMA) provided. Unfortunately, the paper method was used for the majority of Matthew's damage assessments this time. A local company, Atlas Geographic Data, Inc., offered their services free of charge to quickly assist any county that was in need. With their help, Pender County was able to create an app that accomplished everything the paper templates did. The advantage of the app was the on-the-fly updates whenever a user saved changes. Use of the app was delayed while waiting for approval from app stores, but it worked well and is ready in case there is another event needing damage assessment.

Mr. Norwood also created basic grids over the flooded areas to inform the flight plans of the UAS and for reference for videos posted on the county's website for evacuated residents wanting to see conditions at their homes. He also produced map books for the assessment teams to respond to the hardest hit areas.

In summary, all Pender County Fire, EMS and Waters assets were engaged. The Sheriff Department's regional helicopter was used for missions. Three swift water teams assisted in rescues (Charlotte, Greensboro and US Coast Guard). Between 30 and 40 rescues were conducted post storm. The American Red Cross was onsite helping those ousted by the storm as well. The Black River rose to record levels easily surpassing the region's worst storm, Hurricane Floyd.

As the fourth report on Hurricane Matthew, Doug Newcomb, IT Specialist with the US Fish and Wildlife Service, summarized federal agency hurricane coordination. A list of the primary activities from a meeting of the Federal Interagency Committee (FIC) is long but incomplete:

- US Geological Survey (USGS) measured stream discharges, deployed sensors before the storm, recorded high water marks, and did inundation mapping at FEMA's request for seven urban areas.
- US Army Corps of Engineers (USACE) Wilmington District issued emergency permits in advance of the storm. USACE also coordinated with the U.S. Coast Guard on surveys of navigation channels near Wilmington, Morehead City, and others.
- Natural Resources Conservation Service (NRCS) has an Emergency Watershed Program and works with FEMA on assistance in hazard locations.
- FEMA coordinated activities between agencies and works with predefined GIS data sets. A work in progress is a disaster journal for Hurricane Matthew – a map story book from FEMA using ArcGIS Online.

- National Oceanic and Atmospheric Administration (NOAA) acquired aerial imagery, both normal and oblique, in affected areas and posted imagery services online. NOAA also assisted with channel surveys.
- Environmental Protection Agency (EPA) does ongoing resilience planning to minimize effects of events like Hurricane Matthew.

Also, USACE collected topobathymetry LiDAR data along the coast after Hurricane Matthew and is in the process of developing regional, repetitive, high-resolution, high-accuracy elevation and imagery data. This helps build an understanding of how the coastal zone is changing, and facilitates management of sediment and projects at a regional or watershed scale. Production status is available [online](#) and completion of digital elevation models and shoreline for North Carolina are expected by the end of February. Eventually the data be available online from NOAA's Digital Coast [website](#). Mr. Newcomb displayed a change map showing erosion and accretion of the shoreline. He also reported that NOAA happens to be planning to acquire new topobathymetry in 2017 along the southeastern coast including North Carolina. There will be a new sensor that does better in shallow water and in turbid water. On the immediate coastal land side, color imagery with 40 centimeter resolution will be collected along with hyperspectral 1-meter imagery. NOAA has also produced satellite-derived bathymetry at Hatteras Inlet to analyze change.

In addition, Hope Morgan of the NC Department of Public Safety presented state activities related to Hurricane Matthew at the FIC meeting. She observed that there was so much data coming from federal agencies to NC Emergency Management that it was very challenging to sort through files and determine what was most useful for mapping and analysis. She requested a meeting of federal and state agencies to discuss data management and what information is most useful.

Mr. Duncan thanked the four Council members for sharing their experiences and insights.

Report

Working Group for PLS and GIS. Bob Brinson, chair of the working group, reported that the working group continues to examine GIS practice and Professional Land Surveying (PLS). He reminded the Council that statutory changes in 2014 and 2015 and uncertainty about the status of government exemptions from PLS rules led to the formation of the working group. Also, there were anecdotal reports that the NC Board of Examiners for Engineers and Surveyors (NCBEES) had issued orders to some private GIS practitioners to stop practices that were interpreted as surveying. The working group's approach was to create use cases as examples of what is GIS practice and what is surveying.

Since the last Council meeting, the working group has refined use cases and had discussions to identify which cases were clearly GIS, which were surveying, and a middle ground of use cases that depend on various factors. This led to the concept of a decision tree to guide determination of the proper status for a particular use case. The working group also discussed the value of a template for an engagement letter from a private GIS practitioner that would clarify the work to be performed, what it is, what it is not, and proper use of the product. The working group also sees a need for more clarity in product disclaimers, and a need to define derivative products from GIS analysis that may be based on products from licensed surveyors or engineers, but need not be produced by a licensed surveyor. Citation of authoritative sources is important. The next step is another working group

meeting to sharpen the findings and tools, and prepare to share information with NCBEES and the NC Society of Surveyors. Mr. Duncan expressed appreciation to the working group.

Committee Reports

Statewide Mapping Advisory Committee (SMAC). Mr. Duncan introduced his new appointment to serve as SMAC chair, Joseph Sloop. As Geographic Information Officer for MapForsyth, Mr. Sloop reports to both the assistant city manager of Winston-Salem and the assistance county manager of Forsyth County. He has a recent PhD from UNC Greensboro.

Mr. Sloop reported that the committee held a quarterly meeting on January 18, and he expressed gratitude to Vice-Chair Gary Thompson for chairing that meeting. In the usual format, SMAC members reported on opportunities, development, maintenance, and issues for Geospatial Framework datasets for North Carolina. In brief:

- The Statewide Orthoimagery Program is on schedule.
- The Statewide LiDAR update is making progress on the last two phases of the 5-phase update.
- SMAC members talked about the value of LiDAR-derived elevation models in processing Orthoimagery, leading to better quality and fewer problems in the imagery. This is a good return on investment.
- Transportation datasets are being maintained quarterly, with special attention to the set of all public roads first released in the fall.
- County boundary datasets are being updated to include the re-established boundary between NC and SC. Mr. Thompson has reported that the effort started in 1994 and he is proud of how the states collaborated. The last plat involved is being recorded this week.
- The NC Parcels Program received updates from 99 of 100 counties in 2016.
- The *AddressNC* project is making good progress.

Among the subcommittees and working groups, the Metadata Committee conducted four training sessions, one of which Mr. Sloop attended. The committee has updated its online resources for metadata. He endorsed the efforts and is implementing the metadata standard in his organization. Also, SMAC approved a revised Name Change Process and Communications Plan for the NC Board on Geographic Names to clarify the process.

On another topic discussed by SMAC, the National Emergency Numbering Association (NENA) published a [GIS Data Model](#) for Next Generation 9-1-1. The standard is open for public review through February 28, 2017. Mr. Sloop urged the Council to review the document and make specific comments.

The NENA website offers access to all of the comments submitted so that a reviewer may echo or amplify the comment of another, adding weight to that comment when all comments are adjudicated. The more instances of a comment, the better the point gets across and the greater the weight. While the Council or SMAC are welcome to submit, similar comments from several local governments, for example, will carry more weight than the same comments from a single organization.

Local Government Committee (LGC). Kathryn Clifton, LGC chair, reported that the committee met November 30. Discussion included the work of the PLS/GIS working group. LGC discussed a concern about how rules will impact private GIS service providers and how that will impact local

governments that hire those providers. Considering limited budgets, a local government may engage a private GIS service provider and/or one or more interns to, for example, conduct an inventory of certain assets (such as fire hydrants).

The “Value of GIS” is now a crowd-sourced story map “[Are You on the Map?](#)” that displays projects of past Herb Stout Local Government Award winners. Ms. Clifton invited more participants to display examples showing the value of mapping and analysis. Also, she expressed excitement about how NC Parcels are being used.

In response to phone inquiry about potential properties for economic development in an eight-county region, she walked the person through the steps to discover and get access to the statewide parcels dataset on *NC OneMap*. The consumer was thrilled. LGC members plan to be aware of which counties are registered with the NC Parcel Transformer for self-service translation of source parcels to standardized parcels, and reach out to neighbors to encourage and assist. The more counties doing their own updates the better.

Regarding the NENA GIS data model under public review, LGC members met on February 2 to discuss the data model and identify potential comments. Members are reaching out to their colleagues in 911 related GIS operations. The LGC’s work plan is available online.

State Government GIS Users Committee (SGUC). John Farley, SGUC chair, reported that regarding the Enterprise License Agreement (ELA) with Esri, the terms and conditions from the previous ELA are now being extended through the life of the current ELA. The intention next time is to start negotiations on terms and conditions before discussing software details. Also, the Request for Proposals for GIS limited services received 31 responses. The review committee is working on a recommendation. On the topic of Esri’s “Community Maps” program, NCDOT assigned a staff person to research the program and coordinate with state agencies to contribute datasets that may be integrated in Esri base maps that are used in many online applications.

Federal Interagency Committee (FIC). Doug Newcomb, FIC chair, reported that FIC met in Wilmington on January 26. In addition to the Hurricane Matthew related presentations summarized above, he noted that USACE will expand its levee inventory dataset to include non-federal levees. USGS is putting LiDAR digital elevation models in the cloud. US Marine Corps is collecting LiDAR inside buildings for the purpose of storage efficiency. NRCS reported that the long anticipated 100th NC county—Caswell—now has digital soils data available. NRCS is moving to a gridded soil survey system that will be more seamless across counties. The agency is also working on sub-aqueous soil survey in the coastal areas underneath shallow water. Chad Ferguson is the local contact for NRCS soils.

GIS Technical Advisory Committee (TAC). Dan Madding, TAC chair, reported that research on Geoserver software continues. He identified a person to begin a first draft that will be distributed to subject matter experts.

Management and Operations Committee (M&O). Mr. Duncan reported that the Council’s Annual Report is still in the process of review, with hopes it will be approved soon for submittal to the Governor and the leadership of the General Assembly. The Annual Report describes challenges such as Next Generation 9-1-1 and the value of GIS to put the work of the Council in context.

Statewide Orthoimagery Program Update

(See - <https://it.nc.gov/event/gicc-quarterly-meeting-292017>)

Tim Johnson summarized progress in the Statewide Orthoimagery Program. The Coastal 2016 Project delivered imagery to 29 Public Safety Answering Points (PSAP) in 27 counties, as well as to the US Marine Corps and the installation at Harvey Point. The imagery was released on *NC OneMap* this week. Imagery services are available as single years, as the most recent imagery (including a cached version), and as all imagery in the collection from 1995-2016 that can be useful for change detection.

NC OneMap includes downloadable 2016 county mosaics in MrSID format with 50:1 compression. Counties may want to obtain mosaics for neighboring counties. As requested by the NC 911 Board, imagery from adjacent states was obtained and delivered for a 7-mile extent beyond county boundaries for those bordering South Carolina or Virginia.

The Eastern Piedmont 2017 Project includes urban areas as well as Fort Bragg, Camp Mackall, and Seymour Johnson Air Force Base. This month is prime leaf-off flying season in North Carolina. Mr. Johnson displayed a flight status map showing that acquisition started January 25th and is now 58 percent complete. This progress is encouraging in case of early onset of spring.

Looking ahead to the Northern Piedmont and Mountains 2018 Phase, a proposal is due to NC 911 Board in mid-March and approval for that phase will be sought by the end of March. Local governments in that region will have opportunities to piggy back on state contracts to engage flight contractors for additional imagery-related products.

NC OneMap Update

David Giordano, *NC OneMap* Database Administrator, confirmed that Mr. Johnson's Statewide Orthoimagery report included the latest information from *NC OneMap*.

GICC Member Announcements

Mr. Duncan called on Bob Coats, the Governor's Census Liaison, for a brief update. Mr. Coats reported that the test of the Census plan for canvassing addresses is complete, including testing in Buncombe County. The plan worked well and can be applied if the budget for Census 2020 is sufficient. On the week of January 23 letters were sent to the highest elected officials to announce the Local Update of Census Addresses (LUCA). The Census Bureau plans to hold workshops on LUCA starting in March. The Atlanta regional office is setting up meetings in the largest cities in North Carolina. Also, the Boundary and Annexation Survey is in progress and is due by the end of May. Mr. Coats is working with John Bridgers in the Secretary of State's Office on annexations and with Gary Thompson concerning the re-establishment of the NC-SC boundary.

ADJOURNMENT

There being no other business, the Chair adjourned the meeting at 3:00 PM.

The remaining dates for Council meetings in 2017 are May 10, August 9, and November 8.

Presentations and reports for this meeting are on the Council Website:

<https://it.nc.gov/event/gicc-quarterly-meeting-292017>