

Geographic Information Coordinating Council
MANAGEMENT AND OPERATIONS COMMITTEE

June 15, 2015

2:00 to 3:00 PM

OITS

3700 Wake Forest Road
Lighthouse Conference Room

MINUTES

1. Chair Stan Duncan welcomed Sarah Porper, Dan Madding, John Farley, Tim Johnson, Jeff Brown, Joe Sewash, and on the phone Kathryn Clifton, Julia Harrell (for Doug Newcomb) and Bob Coats
2. Minutes of the April 20th meeting were approved (the committee did not meet in May)
3. Quick Updates
 - a. Census Geospatial Data
Bob Coats reported that the next step for Census 2020 is the redistricting process. North Carolina needs to designate a contact for redistricting. The process will start with a Block Boundary Suggestion Process beginning in November/December this year, followed by a voting district project. For the first time, the Census Bureau is including a boundary verification process for municipal and county boundaries and tribal areas. NC datasets applied to verification include statewide parcels and municipal boundaries from local sources. This represents an opportunity for the GICC to show that Council initiatives and resulting geospatial data contribute to Census 2020 preparation. Census Bureau would like to bring staff to a meeting with a legislators to describe the process; Bob suggests that the Council be included. Stan pointed out that statewide parcels are important to the Census Bureau and of interest to the General Assembly.
 - b. Statewide Orthoimagery Program
Tim Johnson reported on the status of the statewide orthoimagery program. For the 2015 Southern Piedmont and Mountains phase, orthoimagery processing is in progress. Quality control has been scheduled for 24 counties starting August 10, with VOICE training for local government quality control tentatively scheduled for July 16 and July 21, to be confirmed and announced. Tim confirmed that 2015 imagery quality was satisfactory despite some blossoming of ornamentals in the project area.

Simultaneously, CGIA is moving ahead on the next four phases of imagery. The contract between CGIA and the NC911 Board is ready for signature. The kickoff for the coastal phase (2016) will occur in August followed by a qualifications-based selection process.
 - c. Parcels
Jeff Brown presented a status map showing full participation across the state: 75 counties published in 2015 along with the original 25 published in 2014. The project team is working

with the original 25 to update their parcel datasets in the Parcel Transformer. Seven are updated so far. Jeff and Pam Carver will present at least one webinar for those 18 remaining counties to give an overview and demonstrate the few steps that a county data manager can take to refresh a county's parcels in the standardized statewide dataset. There will be follow up with county data managers as well.

For operation and maintenance, the Carbon Project, Inc. will continue to host and maintain the Transformer in the Carbon Cloud. CGIA continues project management and NC OneMap data management. CGIA has agreements with two project partners for cost-share—NC Department of Transportation and NC Department of Agriculture & Consumer Services—to cover operation and maintenance by the Carbon Project. Thanks to both for covering fiscal year 2015-2106. John Farley emphasized that NCDOT does not expect to or want to cover the entire “out of pocket” cost of operation and maintenance. While there was much in-kind support from project partners, NCDOT funded project outlays in FY 2014-2015 without other agencies sharing costs. CGIA will work to find additional partners to share costs. Jeff will follow up with NCDOT and NCDA to demonstrate the Transformer and products. Dan Madding reminded the group to consider including cost-share support for statewide parcels from all state agencies in Memoranda of Understanding related to GIS software enterprise license agreements. Jeff acknowledged the longtime efforts and persistence of the Working Group for Seamless Parcels, technical contributions of Julia Harrell in that group years ago, and the assistance from the NC OneMap team. County data managers will be encouraged to take on responsibility for registering with the Parcel Transformer and updating their county parcels semiannually. The project team appreciates oversight from SMAC and M&O and would be pleased to continue report to M&O, SGUC, and LGC to keep stakeholders informed. Outreach will continue with data producers and data consumers to be sure parcels are maintained and consumed.

4. Council Meeting Agendas for August and November

Stan noted that Unmanned Aerial Systems (UAS) are in the news and having Kyle Snyder present to the Council on UAS in August will be timely. Tim had no news about pending appointments of Council members.

5. Report from each of the Standing Committees

Kat Clifton reported the LGC met May 27. The committee reviewed the outline of an e-book on the “Value of GIS” in local and state governments in NC. The committee discussed the importance of metadata in local government, including the new State and Local Government Metadata Profile templates and ways to provide training to data managers. Workshops as well as video on demand will be useful to inform local government practitioners. The next LGC meeting will be August 19.

John Farley reported that SGUC has been focused on the Enterprise License Agreement, still in progress. The new ELA will increase costs for GIS software for NCDOT, CGIA and some of the other state agencies. OITS prepared a Memorandum of Understanding for each participating department to sign to implement the ELA. The SGUC general meeting last week featured a presentation on open source GIS software and Open License Manager software. SGUC is learning more about alternatives to Esri software to be better informed for future

considerations of enterprise licensing for GIS software. Also, SGUC seeks more information about license usage across state agencies. NCDOT is looking into a department solution for managing GIS licenses that will be informative to other agencies.

Julia Harrell reported for Doug Newcomb that the Federal Interagency Committee held a general meeting on May 6 at the US Army Corps of Engineers offices in Wilmington. Featured presentations were NOAA's Digital Coast website tools and training modules by Erik Hund and new LiDAR data by Hope Morgan. FIC members shared information in a roundtable discussion, including the Natural Resources Conservation Service (NRCS) work on new soil survey tools with Esri, and USACE's development of new web applications.

For the Technical Advisory Committee, Dan Madding reported that the white paper on hosted solutions is nearing completion and will be suitable for posting on the GICC website under documents/practices. TAC will update its work plan in July to reflect accomplishment of two of its four major tasks this fiscal year, and will focus on the remaining two in the next fiscal year.

6. Other Items from the Group

a. GDAC and the M&O Committee

John Farley reported on a meeting about "Master Data Management" (MDM) hosted by IBM for GDAC, NCDOT and OITS. The three are potential customers of IBM for MDM. As background for the M&O, John presented an overview of GDAC and explained how GDAC and MDM are relevant to GIS collaboration in NC.

John emphasized a key function of GDAC as the "management of data sharing and integration initiatives" for all types of data, including geospatial. Also, "GDAC is developing a comprehensive master data management tool to document the State's data sources and definitions, as well as any quality issues associated with the data in terms of accuracy, currency, and completeness."

The State Information Technology Plan (Chris Estes, March 2015, see <http://www.its.nc.gov/library/pdf/State-IT-Plan-2015-17.pdf>) includes an initiative (4.4.1) to "Align Geographic Information Systems initiatives across the State" and states that "the SCIO will leverage the current governing body for GIS, the Geographic Information Coordinating Council (GICC), in coordination with the Center for Geographic Information and Analysis (CGIA) and the GDAC to develop a comprehensive portfolio strategy and seek opportunities for collective investments in geospatial data and GIS data services."

Another initiative in the State IT Plan (4.4.2) states that "Working with the GICC and CGIA, and coordinated through the GDAC, the GIS community will develop and adopt data standards, common architectures, and frameworks to better leverage and connect data to develop, share, and integrate GIS data services... It will also create authoritative data that can be developed once and can be used efficiently across multiple State agencies and by other entities including local government, federal agencies, and citizens."

Master Data Management according to IBM is “a key component for addressing big data challenges. Half of the big data initiatives today have customer-centric objectives. To improve the customer experience, organizations need to do what master data management has been doing for years – start with the facts about customers by defining the golden record.” At a basic level, “MDM seeks to ensure that an organization doesn’t use multiple (potentially inconsistent) versions of the same reference (or *master*) data in different application systems or parts of its operations.”

John observed that GICC needs to be a part of MDM and engaged with GDAC. He recommended that M&O attend a presentation on data governance and MDM, with an address use-case as an example. MDM tools and concepts relate to geospatial data. GIS collaborators need to learn more about how MDM will affect GIS, and also help MDM managers understand geospatial components. Analytics may rely on location. John sees opportunities to align strategies and achieve understanding of the importance of geospatial data and analysis in overall data governance. John explained that IBM would be willing to host a meeting for M&O, probably a two-hour session.

Stan pointed out the US DOT was looking at a national effort to compile a master address database with a limited number of fields, but the authoritative sources in North Carolina are local governments with more attribution and wider uses. Joe Sewash observed that master datasets compiled at the state level from local sources and master data management of state data are different.

Stan confirmed interest in having the M&O and the Council be part of the conversation, and emphasized the importance of including all GIS collaborative partners. State datasets that integrate local source data into authoritative state sources rely on partners for quality and currency. John observed that questions about inclusion of partners need to be posed in a meeting on MDM. John expects that collaborative partners would be welcome to attend a meeting as well. Stan recommends a called meeting of the M&O to take a look at MDM first and consider how to involve partners and the full Council after that. Stan will contact Chris Estes and John Correllus about a meeting. Stan will determine a list of participants for a meeting and look at dates. In addition, Tim suggested that the M&O needs to know more about GDAC initiatives and plans, beyond what is contained in the legislative mandate.

Joe Sewash added that CGIA is completing a grant project at the end of June for the Federal Geographic Data Committee. A product will be a business case for aggregation of local government address data and maintaining a statewide address point dataset. Beyond meeting grant obligations, he would like to be kept informed about master data management and continue to refine the business case to be useful to a wider GIS community.

b. 2022 Reference Frame Working Group

Tim explained that Gary Thompson brought up the issue of the 2022 datum (now called “2022 Reference Frame”) under consideration by the National Geodetic Survey at the February Council meeting, expressing a need for an advisory group to review the details and make recommendations on behalf of the GIS community in NC. This is significant and early involvement is needed. Tim recommended that M&O authorize a working group under

SMAC and request periodic reports to the Council. Gary Thompson has people in mind to serve on the working group. Stan asked Tim to contact Ryan to inform him of authorization and request formation of the working group.

7. Future Meeting Dates:

The committee agreed on the following dates, and Tim will send Outlook invitations:

July 20

August 17

September 21

October 19

November 16

The meeting adjourned at 3:00 PM.