

Statewide Mapping Advisory Committee Meeting Minutes

October 14, 2009 | 1:30-3:30 PM

Education Board Room Lounge | Raleigh, NC

Attendees: Anne Payne, James Armstrong (phone), Jeff Brown, Jeff Essic, John Farley, Andy Goretti (phone), David Giordano, Julia Harrell, Chad Ives, Tim Johnson, Twyla McDermott (phone), Sean McGuire, Cam McNutt, Tom Morgan, Drew Pilant, Mary Samouelian, Joe Sewash, Steve Strader, Richard Taylor, Gary Thompson, David Wyatt (phone), Diana Hales, John Breese, Jeff Brown, Tonya Pearce

Welcome/Introductions – Anne Payne, Chair

Attendees introduced themselves. The minutes from the July 8, 2009 meeting were approved.

NC Geographic Information Coordinating Council

Council Update – Tim Johnson

Tim reported that at the August 12 meeting, Bill Wheaton, RTI International, presented on the topic, Using GIS and Agent-Based Modeling to Understand the Spread of Influenza.

Tim then briefed the SMAC on the two action items and three decisions:

1. Staff to compose a letter to the Attorney General's Office asking for an "advisory opinion" based on questions raised by the LGC concerning local government-to-local government data collection. Mr. Johnson said CGIA, now a part of Office of Information Technology Services, will consult with Richard Bradford, the Assistant Attorney General assigned to OITS. The GICC will react once the opinion is issued.
2. GIS Technical Advisory Committee to consider ArcGIS Online and other technologies for NC OneMap. Mr. Johnson said this action resulted from a discussion initiated by John Farley and is linked to the idea of refreshing NC OneMap as called for in the Implementation Plan. The GIS TAC will take this up.
3. The GICC approved the NC Board of Geographic Names Charter.
4. The GICC approved the 2009 Digital Orthophotography Standard.
5. The GICC adopted the GIS Technical Advisory Committee bylaws.

View full minutes from the August 12 GICC meeting: <http://www.ncgicc.org/Meetings/tabid/138/Default.aspx>

State Government GIS Users Committee – Sean McGuire

The general meeting on August 6 featured an ESRI presentation on latest enhancements to their software. The last SGUC Executive meeting was October 8 and Bentley Systems presented on content management systems for digital data. There was an update on the ESRI Enterprise License Agreement renewal: the current ELA will expire July 2010. Mr. McGuire said that OITS seeks to include local governments in their ELA discussions, which was a hurdle in the past agreement. It is unresolved as to how agencies will be charged for their licenses. There could be a strategy similar to the state's Microsoft agreement which charges for each seat. State agencies would prefer that OITS pay for the entire ELA.

The first two 2010 SGUC general meetings will be held at a state facility with teleconferencing capabilities so non-Raleigh state employees can participate.

Local Government Committee – Chad Ives

Mr. Chad Ives said the LGC discussed the ELA on August 27, and supports discussions to include local governments. Julie Stamper was retained as chair, Jason Mann has been moved from one of the SMAC representatives to the GIS TAC representative, and James Armstrong (Richmond County) will be the second LGC representative on the SMAC. Wright Lowery (Wake County) has been appointed to the Stream Mapping Advisory Committee. The LGC discussed LGC representation on the NC 911 Board. The membership is established in legislation and cannot be changed. One LGC member will try to attend meetings unofficially, and Chris Koltyk (Moore County) will attend. The LGC successfully used the LGC Alert system to seek volunteers for committee openings, he reported.

Statewide Mapping Advisory Committee Meeting Minutes
October 14, 2009 | 1:30-3:30 PM
Education Board Room Lounge | Raleigh, NC

Work Groups

Roads and Transportation – John Farley

Mr. John Farley said there is a scope of work being developed and letters of endorsement are being sought to accompany an Federal Geographic Data Committee (FGDC) CAP grant application to create a translator tool for local governments. The tool would be used in conjunction with the revised street centerline standard currently under development. He mentioned that the WGRT will be on the agenda of the November 4-6 Metropolitan Planning Organizations annual conference to discuss the standard and the tool. There is consensus on framework for this standard and attributes to be captured by local governments.

Seamless Parcels – Tom Morgan

Mr. Tom Morgan said that the US Environmental Protection Agency (EPA) has issued a formal award letter on the Exchange Network grant. The next step is to create a statement of work and get approval from EPA for vendor selection. Ms. Julia Harrell said the goal is to have the statement of work to the EPA in early November for their review. The grant is a two-year performance period from the start-of-work date. Mr. Morgan said the WGSP is working on the list of parcel attributes.

NC Board on Geographic Names – Anne Payne

She reported for Dr. Tyrel Moore. The GICC approved the NC Board on Geographic Names charter at the August meeting. Two new members have been appointed from the NC Department of Cultural Resources and the NC Division of Water Quality: Michael Hill and Cam McNutt, respectively.

Imagery and Orthophoto – Gary Thompson

Gary indicated the committee continues to research oblique imagery standards. The NAIP CIR issue paper is being prepared by Julia Harrell. The working group is focused on the recent award by NC 911 Board of statewide true-color orthophotography at 0.5 ft (6-inch pixels, 1-inch = 200 foot) resolution.

Action Item: Gary Thompson to present NAIP CIR issue paper at January 13, 2010 SMAC meeting.

Action Item: Gary Thompson to report on standards for oblique imagery at January 13, 2010 meeting.

Stream Mapping Advisory Committee – Joe Sewash

The Stream Mapping committee will meet October 16, with new appointees Cam McNutt, and Matt Hayes. They will review a draft white paper on naming procedures. The paper recommends GNIS as included attributes per the National Hydrography Dataset (NHD) standard, with alternate names being made available as indexed business tables. There is an action item on watershed boundaries, which will be addressed in the next quarter. A priority has been placed on establishing a QBS for Lenoir County and CGIA is working with State Construction to develop the QBS posting for procuring contracting services to generate local resolution NHD for the Interagency Leadership Team (ILT) Lenoir County pilot project.

The FGDC released a wetlands mapping standard in July. There are two impacts for North Carolina to consider:

- (1) The NHD intends to be compatible with the wetlands mapping standard, but details and specifics are pending.
- (2) There is an ILT pilot project to create a wetlands mapping program for Lenoir County and the federal standard will be evaluated against that project.

CGIA received a one-year grant from USGS NGPO to evaluate coastal issues in developing and maintaining local resolution NHD. The project has three phases: (1) evaluate business process requirements for coastal local resolution NHD in context of the Stream Mapping Implementation Plan; (2) CGIA and USGS technical staff will evaluate technical recommendations based on business process requirements; and (3) Expand the scope of business processes evaluation to modify the model for USGS to develop national strategies.

Statewide Mapping Advisory Committee Meeting Minutes
October 14, 2009 | 1:30-3:30 PM
Education Board Room Lounge | Raleigh, NC

Ms. Payne asked what the SMAC should do. Mr. Sewash said the Stream Mapping Advisory Committee must keep in context the local-resolution data for the NHD, but needs to involve other stakeholders.

Regular Status Updates

Federal Interagency Committee and National Geospatial Program Office

Mr. Steve Strader said the Federal Interagency Committee is still looking for a new Chair and they are pursuing internal discussions among the FIC Executive Committee. He acknowledged the new FIC members attending this meeting, Drew Pilant from the Environmental Protection Agency, and David Wyatt from the Eastern Band of the Cherokee Nation. Next FIC meeting is November 10, prior to the GICC meeting.

The NGPO announced that USGS is going back into topographic production (17,000 quadrangles in the US) and North Carolina will be covered in federal FY2010. It is an automated process and will integrate hydro and elevation and include US Forest Service lands this time. The product will be in a GeoPDF file and users will need a toolbar from Adobe Reader to use the maps. The data themes feeding into the production of the new topos are national layers, which results in generalization for the maps. He said users will not be able to pull the vector themes apart. Mr. Sewash asked who we could talk to at USGS about generalization from the technical graphic representation, as it relates to contour data integration with stream data since the data will be 24,000-scale NHD streams.

NC OneMap – David Giordano

David indicated that since the last SMAC meeting the following data have been added to NC OneMap for download: Iredell County local street centerlines; Cherokee County local street centerlines; Stormwater Reference; Conservation Tax Credit properties, Franklin County 2007 local imagery; Significant Natural Heritage Areas; Natural Heritage Element Occurrences; Public Safety Answering Point Boundaries (from NGA HSIP data coordination); and Hospitals (from NGA HSIP data coordination).

Library of Congress and Digital Preservation – Jeff Essic

Jeff said he is currently investigating archiving ESRI geodatabases as part of NCSU's preservation project. He will present the NCSU project at a future GeoMAPP meeting. He said Phase 1 of GeoMapp involves moving superseded data from CGIA to archives and testing usability through the State Division of Archives MARS catalog. The project needs volunteers to search for these archived data, and to check search parameters and accessibility. Mr. Essic said the test would take about 40 minutes.

New Business

Statewide Orthos Project from NC 911 Board

Tim Johnson said the NC 911 Board funded a grant application led by Tonya Pearce, Durham Emergency Communications Center, to acquire statewide orthophotography in true color at the 6-inch pixel (1-inch = 200-ft) resolution during the 2010 flying season. The high-resolution photography will be available to all Public Service Access Points (PSAP) and county land records offices via portable hard drives, as well as available through NC OneMap. The grant will use the Floodplain Mapping Program and their Qualifications-Based Selection (QBS) contractors to complete the winter flyover of the state. He said that the group has been working on "Frequently Asked Questions" that will be posted to the NC OneMap web site, and information about project status.

Ms. Tonya Pearce said local and state agencies worked together to pull the application together. She said there is no specific GIS representation on the NC 911 Board, but membership includes one member from the Association of Public Safety Communications Officials (APCO) and two representatives from the National Emergency Number Association (NENA). She said Steve Randone, the GIS coordinator for Brunswick County, will serve on a special ortho committee, but he cannot be a member of the NC 911 Board. Mr. Gary Thompson said that numerous list serves will receive a link to the "Frequently Asked Questions" as soon as it is posted on the web. Richard Taylor suggested that updates to the website should give a revision date.

Statewide Mapping Advisory Committee Meeting Minutes

October 14, 2009 | 1:30-3:30 PM

Education Board Room Lounge | Raleigh, NC

Mr. Drew Pilant asked if color infrared (4th band) could be included in the project, since the cameras will capture it. Mr. Steve Strader said if there is sufficient interest at the federal level to pay for this additional processing of CIR, it could occur. Mr. Thompson said the 58,674 tiles involved in the statewide flyover would yield 17 terabytes of uncompressed data. He said the horizontal accuracy is 4 pixels (2 feet) from visual to actual. North Carolina Geodetic Survey will check for accuracy.

NC DOT and ISRN

Mr. John Farley said NC DOT updated their website with two products: Road Characteristics (55 attributes) for the 80,000 miles of road the state maintains. This is a quarterly update. The second product is the route layer for mile-posting, which can have up to 137 attributes. He mentioned that DOT is receiving update requests for the Integrated State Roads Network (ISRN) that is now 3 years of age. DOT has limited resources to make the revisions, but they have applied for a grant to hire contractors to update the data in 2010. He said the Working Group for Roads and Transportation is focusing on the front end of roads data; and the ISRN is the back-end product for routing and address matching. Mr. Farley requested letters be sent to NCDOT in support of updating ISRN.

County and Municipal Boundaries

Mr. Tom Morgan said that at the recent NCPMA meeting the Department of Revenue requested that counties provide external boundary and municipal annexation data because those boundaries affect tax rates for utility-owned properties. Mr. Farley said the Powell Bill boundaries, available on NC OneMap, are the most complete, but are not perfect. He said this is an opportunity for DOT since it already maintains the Powell Bill data, but this expands the data requirement, and it would be good to know which groups collect that boundary data. Ms. Payne suggested the Local Government Committee should consider this and come back with a recommendation. Ms. Julia Harrell said this request could be rolled into the seamless parcels work. Mr. Farley said even though the Powell Bill gives funds to counties, there is difficulty in getting the data. Mr. Jeff Brown said some of the counties do not agree on their common boundary. Mr. Thompson said that 48 counties have Board of Elections disputes because of county boundary and tax boundary issues, since the boundaries could be different in both cases. The best available county boundary information is what Geodetic Survey and Department of Transportation maintain. Mr. Thompson said the state boundary is the western part of North Carolina is going to the Governor and Council of State for action.

Action Item: Local Government Committee to consider strategy for collection of municipal boundary data.

Action Item Review

Adjourn

Statewide Mapping Advisory Committee Meeting Minutes
October 14, 2009 | 1:30-3:30 PM
Education Board Room Lounge | Raleigh, NC

Running List of Action Items

Number	Mtg. Date	Action	Status	Person	Comment
1	7/9/2008	SMAC to provide comments on NCBGN draft charter by July 24.	Closed		
2	7/9/2008	Meagan Durden to inquire about preferred representation from Cultural Resource on the NCBGN.	Closed	Tim Johnson	Meagan is no longer with DCR. Tim Johnson to draft letter to Cultural Resources.
3	7/9/2008	Add to charter the need for the NCBGN to meet in-person when naming issues arise.	Closed	NCBGN/Tyrel Moore	
4	7/9/2008	SMAC to ask Stream Mapping Advisory Committee to look at DWQ/GNIS differing names topic.	Closed		
5	1/7/2009	Zsolt to ask Joe Sewash to articulate MADB business case to LGC.	Closed	Zsolt Nagy	
6	1/7/2009	NCBGN to review draft charter and membership and present to SMAC at July 8, 2009 meeting.	Closed	NCBGN/Tyrel Moore	Date amended according to 4/8/09 SMAC meeting. Original date was April 8.
7	1/7/2009	Jason Mann to solicit opinion of adding LGC representative to the NCBGN from LGC Chair Julie Stamper.	Closed	Jason Mann	LGC appointed Amy Durden, Elizabeth City GIS Coordinator.
8	1/7/2009	In a whitepaper, Stream Mapping to examine and quantify differing names issue, and include stakeholders from DWQ, NCBGN, USGS, LGC, and Tom Morgan. Present whitepaper at January 13, 2010 SMAC mtg.	<u>Open</u>	Stream Mapping/Joe Sewash	Related to #16.
9	1/7/2009	In a whitepaper, Stream Mapping to discuss and determine best course of action for watershed boundary maintenance. Present at January 13, 2010 SMAC mtg.	<u>Open</u>	Stream Mapping/Joe Sewash	
10	4/8/2009	Tim Johnson to discuss with Billy Willis how 911 Board funding can be spent.	Closed	Tim Johnson	
11	4/8/2009	Chad Ives to gauge LGC interest in CIR imagery.	Closed	Chad Ives	Interested in CIR if no cost to counties.
12	4/8/2009	Gary and SMAC Imagery and Orthophoto work group to look at circumstances surrounding standards, specifications, and funding of oblique imagery.	<u>Open</u>	Imagery and Orthophoto/Gary Thompson	Related to #15.
13	7/8/2009	Tim Johnson to ask GICC Chair if Council should officially endorse NCBGN charter or just have it presented as informational.	Closed	Tim Johnson	GICC approved NCBGN charter.
14	7/8/2009	Gary to present NAIP CIR issue paper at January 13, 2010 SMAC meeting.	<u>Open</u>	Imagery and Orthophoto/Gary Thompson	
15	7/8/2009	Gary to report on standards for oblique imagery at January 13, 2010 SMAC meeting.	<u>Open</u>	Gary Thompson	Related to #12.
16	7/8/2009	Joe Sewash to present differing names issue paper at January 13, 2010 SMAC meeting.	<u>Open</u>	Joe Sewash	Related to #8.
17	10/14/2009	LGC to consider strategy for collection of municipal and county boundaries for Department of Revenue request.	<u>Open</u>	Chad Ives/James Armstrong	