

Statewide Mapping Advisory Committee Meeting Minutes

July 14, 2010 | 1:30-3:30 PM

Education Board Room Lounge | Raleigh, NC

Attendees: Anne Payne, James Armstrong, Mike Mull, Tom Morgan, Sean McGuire, Jeff Essic, Alex Rickard, Patrick Flannagan, Julia Harrell, John Lay, Tim Johnson, David Giordano, Steve Strader (phone), Pam Carver (phone)

Welcome/Introductions – Anne Payne, Chair

Attendees introduced themselves. The minutes from the April 14, 2010 meeting were approved. Anne announced she has appointed Gary Thompson as SMAC vice-chair.

NC Geographic Information Coordinating Council

Council Update – Tim Johnson

The GICC last met on May 12, 2010. Seven action items came out of that meeting.

1. Committees will review the list of 37 NC OneMap data themes – assessing which themes should be on the list; recommending themes that need to be added; and providing a priority rating for each theme.
2. The Surveyor's Model Law Working Group will await a report from the NCBELS Board and then work with staff to disseminate the rulings to the GIS community.
3. Once the ELA is signed, staff will work with League of Municipalities, the Association of County Commissioners, the Local Government Committee and other committees to inform the GIS community.
4. The M&O Committee will review the original legislation and the 2010 legislation and propose changes to the GICC's enabling legislation to ensure that it is consistent and up-to-date.
5. The M&O Committee, with staff support, will review and recommend changes to the bylaws of the GICC and its committees.
6. Staff will assess how other states are acquiring, managing and providing access to geospatial data.
7. The M&O will initiate efforts to prepare a statewide GIS strategy that will guide future initiatives.

The full GICC meeting minutes can be found at www.ncgicc.org/Portals/3/documents/GICC_Minutes_051210.pdf.

State Government Committee – Sean McGuire

The SGUC last met May 6. The group received presentations on the WolfWalk mobile application and a Department of Agriculture QA/QC tool. They also had a GeoMAPP update as well as an update on the statewide ortho mapping project. The next general meeting is August 5.

Local Government Committee – James Armstrong

The last meeting of the LGC was June 6. They discussed the ESRI enterprise license agreement. The committee had good comments about it. They also received a statewide ortho mapping project update. The committee also brought up the idea of the SMAC reviewing standards regularly. Anne said this comment was timely because it is due for discussion later on in this SMAC meeting.

Federal Interagency Committee – Steve Strader

The committee last met in Manteo on April 29. They received an NC OneMap update. They also discussed a FIC workplan, FGDC grant awards, the statewide ortho project, the FIC chair, and the NC GIS conference. The group received a Homeland Security presentation from Leah Schweitzer from Booz-Allen-Hamilton. A second presentation was also given on the Carolinas Coastal Change Processes (CCCP) Project by John Warner from USGS.

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Work Groups

Roads and Transportation – Alex Rickard

Alex gave a quick review of Sosius, the online collaboration tool the Integrated Project Team is using. The plan is for both committees (WGRT and WGSP) to proceed with their projects in parallel.

Seamless Parcels – Tom Morgan

At issue is land use. At a meeting between the assessors association and the Department of Revenue, it is the hope that the groups can agree on approximately ten classifications of land use so the GIS can be more useful.

NC Board on Geographic Names – Anne Payne

Anne reported for NCBGN chair, Dr. Tyrel Moore. Based on the NCBGN recommendation, the USBGN did not approve the request to change the name of Moody Lake to Whitehall Lake in Charlotte.

The Board recently received preliminary USBGN steps for the naming of a road segment in Iredell County. Those requesting the name Bailey Farm Road are descendents of sharecroppers.

Orthoimagery – Anne Payne

Gary Thompson was not present. Anne reported for him. The NAD27 to 83 conversion issue paper is in draft form and circulating among the committee members. Three counties fall into this category (i.e. use NAD27 rather than NAD83), not including Mitchell County (no digital data).

The ortho business plan will be ready for a September release as a draft. Sections of the paper have been given to committee members for development. The SMAC would need to approve this paper before it is presented to the GICC at their November meeting.

2010 USDA (NAIP) flights are in progress. 2009 NAIP was delivered in UTM. Data are either 4-band GeoTIFFs or compressed ECWs in either true color or false color IR. Image extents are quarter-quadrangles. RENCI will create tile caches using the standard Google/Microsoft Bing zoom levels.

Updates to the statewide ortho project are posted weekly to the NC OneMap website. The color infra-red issue paper is in progress.

Regular Status Updates

National Geospatial Programs Office – Steve Strader

Steve said updated USGS DRGs were created in May but there were problems with the contour generation. Normal topographic map generation uses 1/3 arc second. One-ninth arc second is used in NC because of the availability of LiDAR. The software generating the DRGs could not accommodate the more dense data. The DRGs are going back into production for a late July-early August release.

Floodplain Mapping Program – John Lay

Ninety-nine counties now have effective DFIRMs. Scoping meetings begin next week. The production of building footprints is complete for all counties. First-floor elevations are being collected for 10 counties. There are edgematching issues between some counties. Data will be available when done.

NC OneMap – David Giordano

In last 3 months the focus has been on migrating the NC OneMap infrastructure (hardware and software) from the DPI building to ITS hosted-environment at the Eastern Data Center.

Statewide Mapping Advisory Committee Meeting Minutes

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To date, the map service administration tool and automated map service checker have been completed and migrated to new web server. The NC OneMap viewer has also been migrated. The imagery and FTP servers have been migrated and are functioning. Database servers have been migrated and a SQL Server upgrade was performed (2000 to 2008) in the process.

Currently in the process of recreating NC OneMap map services (data that CGIA hosts) on new web server. Then will build a web server test environment. Once everything has been migrated and tested the new system will be put into production. After the GICC-M&O NC OneMap refresh project and TAC pending requirements CGIA will begin to enhance NC OneMap data discovery, accessibility to and variety of map services, a viewer overhaul.

GeoMAPP – Kelly Eubank

Kelly was not in attendance. The GeoMAPP team is presenting at the ESRI Conference.

Statewide Digital Orthophoto Project – Tim Johnson

Tim reported the aero-triangulation is 72% done. Imagery is 22% complete. CGIA is ramping-up on the IT project approval process. The data release date of April 2011 is still on track.

Standards Review

FGDC Thoroughfare, Landmark, and Postal Address Data Standard (Addressing Standard) – Anne Payne

Anne reported that a subcommittee was formed to look at this standard. The group is headed by Steve Averett and included Chad Ives, Janet Lowe, and Joe Sewash. Their comments were submitted to FGDC on June 15. FGDC responds to every single comment.

Utilities Mapping Standard – James Armstrong

James reported the committee has made progress. The group added attributes they felt were necessary to some of the datasets, and also created new datasets. The SMAC was in agreement that the product of the committee should be used for local government data collection. Use at the state agency level can be a pared-down list of attributes in the datasets. James indicated he hoped to have a data schema for the next SMAC meeting.

Action Item: Utilities Mapping committee to have water/sewer data schema for October 2010 SMAC meeting.

Alex asked if topology was discussed by the committee. James answered no, but acknowledged it is important when mapping this type of data. He said the group will discuss this. Alex followed-up by asking how is topology documented/referenced generically? Julia responded that the rules should be stated in English, and not get bogged down in vendor-specific technology.

Action Item: Utilities Mapping committee to discuss idea of topology in the revised water/sewer content standard.

New Business

Standards Process – Anne Payne

Merely for introduction at this point, Anne brought to the SMAC the concept of standardizing how data/content standards are created. She said Twyla McDermott, City of Charlotte, contributed ways Charlotte introduces a locally-developed standard, and the processes they follow. Tim added this standards process came out of the GIS Study. Anne hopes to have a document approved at the next SMAC meeting, and then give to the GICC at their

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November meeting. Tom Morgan added that he will look at what the Secretary of State's office is responsible for in terms of standards (need to keep the authority they have been given).

SMAC Workplan – Anne Payne

Anne asked the SMAC to address a format for a workplan. A draft has been created. She will solicit input for the 2010-2011 workplan.

Action Item Review

No.	Mtg. Date	Action	Status	Person	Comment
1	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.	Open	Stream Mapping/Joe Sewash	
2	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.	Open	Stream Mapping/Joe Sewash	
3	7/8/2009	Gary to present NAIP CIR issue paper at January 13, 2010 SMAC meeting.	Open	Imagery and Orthophoto/Gary Thompson	Change date to Oct. 2010 meeting.
4	7/8/2009	Joe Sewash to present differing names issue paper at January 13, 2010 SMAC meeting.	Open	Stream Mapping/Joe Sewash	
5	10/14/2009	LGC to consider strategy for collection of municipal and county boundaries for Department of Revenue request.	Open	Chad Ives/James Armstrong	Mistakenly kept on agenda. Take off.
6	4/14/2010	Orthoimagery workgroup to prepare business plan for statewide orthos and have available at July 14 SMAC meeting.	Open	Imagery and Orthophoto/Gary Thompson	Needs to be adopted at Oct. SMAC meeting. Send out before meeting.
7	4/14/2010	Orthoimagery workgroup prepare NAD27 conversion whitepaper and have available at July 14 SMAC meeting.	Open	Imagery and Orthophoto/Gary Thompson	

The meeting adjourned at 3:10pm.