

NC Statewide Mapping Advisory Committee Meeting
January 9, 2008
Land Records Management Program Conference Room
10:00am - 12:00pm

Members Present: Bill Holman, Steve Strader, Steve Morris, Ted Cisine, Rex Minneman, Tim Johnson, Sean McGuire, Keith Johnston, Julie Stamper, Janet Lowe (for John Farley)

Attendees: Jeff Brown, Zsolt Nagy, Megan Durden, Kelly Eubank, Joe Sewash, Julia Harrell, Dean Carpenter, Jeff Essic, Hope Morgan, David Giordano, Brian Conrad (phone)

Welcome/Introductions – Bill Holman, Chair

Bill Holman convened the meeting at 1PM and welcomed the members and attendees. Minutes from the previous meeting were approved.

NC Geographic Information Coordinating Council

Council Update – Tim Johnson

Tim provided an update of the last GICC meeting, which was November 7, 2007.

The Public/Private Partnership report has been finalized and is in the hands of GICC Chair Dempsey Benton. A total of 80 comments were received when the draft document was submitted for feedback.

The GICC adopted the data sharing report created by the Council's Data Sharing ad hoc Committee. A letter from Mr. Benton to State agency heads asking them to adopt these practices is currently being drafted.

There are 2 Council committees that will be created. The Surveyors' Model Law Working Group will be revived and a new committee to address archival and long-term access to geographic information will be formed.

State Government Subcommittee – Sean McGuire

Sean reported that the next general meeting of the SGUC will be January 17, 2008. An agenda will go out soon.

Local Government Subcommittee – Julie Stamper/Ted Cisine

The LGC is concerned about the Surveyor's Law and would like to participate in the to-be-formed ad-hoc committee that will address it.

Federal Interagency Committee – Steve Strader

The next meeting of the FIC will be January 15, 2008. The committee will have 3 general meetings and 3 executive committee meetings each year.

Presentation

Submerged Aquatic Vegetation Mapping (SAV) Project – Dean Carpenter (APNEP) and Brian Conrad (NC DMF)

Dean Carpenter (Albemarle-Pamlico National Estuary Program) and Brian Conrad (DENR-Div. of Marine Fisheries) gave a progress report for establishing a baseline map of submerged aquatic vegetation for coastal North Carolina.

The mapping project is a partnership between several federal, state, academia, and non-government organizations. Project objectives are to monitor and map SAV locations, assess and restore them, and provide policy and outreach. The intent is to monitor any portion of the region no less frequently than every 4 years, with a possibly shorter cycle when funding permits; insure SAV monitoring becomes a long-

term operational program; and to plan and implement ground truth areas that can be monitored consistently.

Color imagery is being acquired to provide a base for the mapping. SAV delineation will be done by on-screen digitizing.

Keith offered to show the APNEP imagery in 3D if they thought it would be useful. Bill mentioned it would be good to have the SAVs in the NC OneMap viewer. He also asked if the program would be able to detect environmental change. Dean said yes, and that developing environmental indicators is a necessity of the program. Sean asked how the imagery would be distributed. Julia responded that DMF and DENR-GIS would make the data available.

Work Groups

Roads and Transportation – Janet Lowe

Janet attended the meeting for John Farley. She indicated she would be taking over as lead of the WGRT (Working Group for Roads and Transportation). John will still serve as the representative on the SMAC.

As of Jan 2008, phases I and II of the ISRN project have been completed, and the data is available for distribution through NC DOT (send email to gishelp@dot.state.nc.us). We are planning to make this update available through NCOneMap shortly. The project is projected to be completed 4Q 2008, but those dates may change, depending on NC DOT priorities.

Imagery and Orthophoto – Keith Johnston

Keith summarized the maps created by Jeff. There are 24 counties that will participate in the USGS/NC ortho cost-share for 2008. They are: Beaufort, Bladen, Brunswick, Caldwell, Caswell, Cherokee, Craven, Cumberland, Currituck, Graham, Harnett, Henderson, Jones, Lenoir, Orange, Pender, Person, Robeson, Sampson, Stokes, Surry, Transylvania, Wayne, and Wilkes. Floodplain Mapping will fly 2008 orthos at a 50/50 (State/County) match for: Camden, Edgecombe, Nash, Pamlico, Pasquotank, Perquimans, and Scotland.

The goal is to have imagery refreshed every 4 years. There is currently no QA/QC requirement in the cost-share imagery contracts. The NC Geodetic Survey offers QA/QC assistance to local government when asked to provide it. Steve indicated he needs potential counties that plan to participate in the cost-share in 2009, so he can start to initiate funding requests within USGS. Hope said she would generate a map showing map-maintenance out to 2012. This will provide a base for ortho planning for the SMAC.

Action Item: Hope Morgan to provide a map maintenance map out to 2012 to assist in ortho planning.

Bill asked that this map be a point of discussion for the next SMAC meeting scheduled for April 9th. Hope also indicated she and Tonda Shelton have prepared a white paper on digital vs. film cameras. She said she would post this to the SMAC listserv.

Action Item: Hope Morgan to post digital/film whitepaper to the SMAC listserv.

Statewide Parcels – David Giordano

The SMAC is still looking for volunteers for this subcommittee. Rex has agreed to co-chair. Julie brought the request for another co-chair to the LGC. The LGC will respond shortly. One of this groups first topics will be to address the recommendations and challenges outlined in the National Academy of Sciences report "National Land Parcel Data: A Vision for the Future", and then explore a plan for NC.

Regular Status Updates

NC Board of Geographic Names – Wayne Walcott

There was no report as Wayne was not in attendance. Wayne will be retiring from UNC-Charlotte later this year. The SMAC will need to find a new NCBGN chair by the July 9th meeting.

National Geospatial Programs Office – Steve Strader

A new plan detailing the interaction of the National Map and Geospatial One Stop is still being written. Steve will let the SMAC know when it is released.

Floodplain Mapping Program – Hope Morgan

Floodplain Mapping is collaborating with the NC Geodetic Survey to produce a specification for how long LiDAR elevation data is good for until it must be recollected. Hope reported that within 6 months they will have a short-term and long-term draft. This document will contain guidelines for acquisition specifications.

Zsolt asked what, if any, are the local government LiDAR requirements, and is there a need for a standard for LiDAR collection. He also asked if there is a desire with the LGC and Rex for a statewide standard for collection. Rex mentioned that collection should be based on how the data will be used. Tim added that LiDAR is one of the 37 layers the GICC would like to see served in the NC OneMap viewer and that there would need to be cost projections for a maintained statewide layer. Hope said an estimate would not be easy because the frequency of update has to do with locale and rate of ground change. Steve mentioned there might be an opportunity for the NED (National Elevation Dataset) to archive old LiDAR. Julia asked Steve if users would have the ability to retrieve the old data. Steve answered that would be a good conversation to have with the USGS Earth Resources Observation Systems (EROS) Data Center (EDC).

Streambed Mapping – Joe Sewash

The DENR expansion request contains \$3.1 million over 2 years for Phase 2 of the streambed mapping project. A coastal pilot has been added in Phase 2 at the request of the project advisory committee.

Joe recently attended a Division of Coastal Management shoreline mapping meeting in Beaufort. Coordination and technical issues were discussed. Sean stated DCM is currently documenting needs and methodologies, and will be referencing existing work of the NC Stream Mapping Project. The streambed mapping project will continue to participate with probable representation on the DCM working group. This is a 5 year project.

NC OneMap – David Giordano

David stated the GICC adopted Technical Advisory Committee's recommendation to adopt the US National Grid standard. The TAC proposal included adding the USNG to the NC OneMap viewer. This will be accomplished this year. This, and other programming tasks, will be achieved by the newly hired NC OneMap application developer. Other forthcoming improvements include a service checker, that will inform NC OneMap staff when a partner's map service is nonresponsive, as well as a streamed-down, simpler look to the NC OneMap viewer interface.

Data releases since the last SMAC meeting include: Significant Natural Heritage Areas, Natural Heritage Element Occurrences, Public Water Supply Water Sources, Storm Water Reference, State-Owned Lands, Conservation Tax Credit Properties, and 2006 Powell Bill Municipal Boundaries.

Library of Congress and Digital Preservation – Steve Morris

Steve reported a press release was issued announcing the start of a multi-state partnership between North Carolina, Kentucky, and Utah. The project will address archiving and long term access to geospatial data in a multi-partner environment.

Action Item Review – David Giordano

1. Imagery and Orthophoto Working Group to further elaborate on the level and process of performing QC on cost share projects.

Zsolt suggested Jeff Brown notify the 2008 imagery cost-share counties of the suggestion they should get their imagery quality checked. The SMAC concurred this as good guidance and adopted the suggestion.

Status: Closed.

2. List of 37 layers will be posted to SMAC listserv.

Tim emailed the list of 37 layers to the SMAC listserv on 10/10/07.

Status: Closed.

3. Council records to be checked clarifying whether any action was taken on adding NAIP to NC OneMap.

Zsolt responded to the request from Dan Madding to check the Council records to see if NAIP imagery was discussed for inclusion on the initial 37 layers to add to the NC OneMap viewer. It was not discussed for insertion and is currently not on the list. Julia stated this should probably be discussed at the next GICC meeting, because there is no one-imagery-fits-all layer. Bill asked this be put on the April SMAC agenda.

Status: Closed.

4. Formalize membership of the Work Group for Statewide Parcels (WGSP).

The SMAC is still actively seeking participants for this workgroup. Volunteers should contact David or Bill.

Status: Open.

5. Investigate the possibility of a stream mapping presentation to the Environmental Management Commission.

Tim stated this request might be better if it came from a non-CGIA source. Bill indicated he would investigate having this added to a future EMC agenda.

Status: Closed.

Action Item: Bill to inquire about a streambed mapping presentation at a future Environmental Management Commission meeting.

New Business

None.

2008 Meetings

April 9, 2008; Education Board Room Lounge; 1:00PM – 3:00PM

July 9, 2008; Education Board Room Lounge; 1:00PM – 3:00PM

October 8, 2008; Education Board Room Lounge; 1:00PM – 3:00PM