

MINUTES

Statewide Mapping Advisory Committee Meeting

Wednesday, October 14, 2020, 1:30 – 3:30 PM
Cisco WebEx Virtual Meeting

Welcome/Introductions

In attendance: Paul Badr (Chair), Alice Wilson, Watson Ross, Cam McNutt, Drew Pilant, Gary Thompson, John Bridgers, John Lay, Ken Taylor, Marcus Bryant, Sarah Wray, Stephen Dew, Sean McGuire, Silvia Terziotti, Camille Tyndall-Watson, Andy Kiley, Anna Verrill, Ben Shelton, Colleen Kiley, Matt McLamb, David Giordano

Minutes from the July 15, 2020 meeting were approved.

Framework+ Datasets

Orthoimagery

Ben Shelton reported that CGIA now has all 17,483 TIF tiles from the contractors for the 2020 imagery. CGIA is in the process of creating the MrSID tiles and county-wide MrSID mosaics. False-color and true-color products will be delivered to the PSAPs in the mid-November 2020 timeframe.

Some statistics on the VOICE (online imagery QC) application: out of 11,538 tiles that were reviewed (65.9%) only 165 issues were found. Previous issues numbered in the 400-500 range. This is a testament to the hard work of the vendors and better elevation data used in creating the orthoimagery.

The 2021 Eastern Piedmont project is underway. Four vendors have been selected. They are Atlas Geographic Data, Sanborn Map Company, Spatial Data Consultants, and Surdex Corporation. If local governments are interested in any buy-up opportunities – 3-inch imagery, true orthos, etc. – now is the time to contact the vendors. The map to the right shows where the vendors will fly in the project area. It is anticipated the 2021 imagery will be delivered to the PSAPs in this area in November 2021.



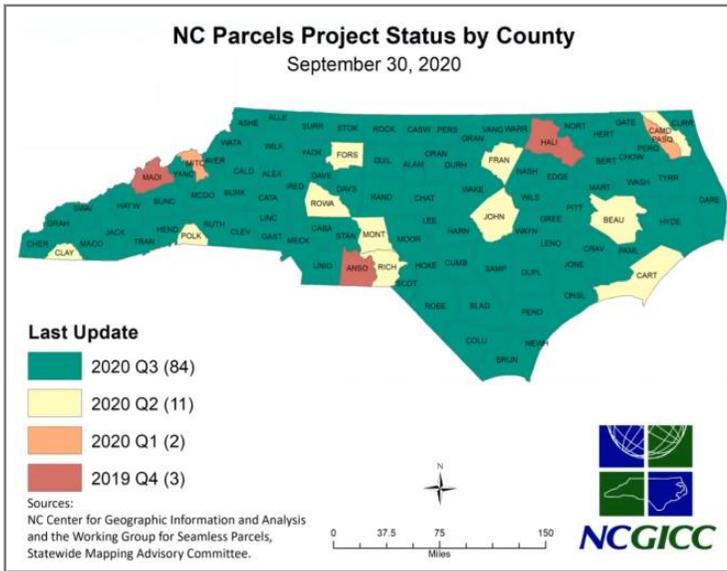
2021 Eastern Piedmont project area

Cadastral

John Bridgers updated the SMAC on NC parcel data. In Q3 2020 84 counties supplied updates. Overall, so far in 2020 97 counties had updates. The map below displays when parcel data was updated by county.

The Parcels Working Group met last week to discuss common fields that are not being populated by local governments prior to them uploading their data.

The Site Address, Parcel Use Description, Present Use Value, and Last Sale Date are not consistently populated. The group is going to propose fields as “required,” “recommended,” or “optional.” They will also bring this for vetting to the Tax Assessors’ Association, NC Department of Revenue, NC Associations of County Commissioners, and CAMA vendors.



Elevation

John Lay informed the committee that Watson Ross is performing the contour and DEM QC. The completion target is December 2020 or January

2021. Gary Thompson signs and seals the reports.

Hydrography

Cam McNutt briefed the SMAC on an update to the DWQ “display” hydrography, which is basically 24k hydro from USGS topo maps and the NHD coupled with named streams. Rather than a shapefile and web service generated every two years with assessment information, the division is building it out as a geodatabase with one set of geometry with other tabular data connected to the streams. To make the geodatabase work DWQ retired the old unique identifiers and developed new ones. The tabular data will show water quality and watershed information, upstream population, land use/land cover, and other information from USGS Stream Stats. DWQ hopes to have this ready in a year’s time. Depending on the data coming out of ATLAS, DWQ may want to add their tabular data onto the ATLAS geometry. DWQ has already successfully tested this and comes down to whether they need that level of detail in the geometry.

Geodetic Control

Gary Thompson reminded the SMAC of the delay in replacing of NAD83 and NAVD88 as announced by the National Geodetic Survey (NGS). The change will occur sometime after 2024.

The NGS has asked for GPS observations on geodetic monuments across all the states. These monuments have a very accurate NAVD88 height. The GPS observations will provide an ellipsoid height that will be used in the transformation parameters for the new vertical datum.

Administrative/Governmental Units

County Boundaries:

Gary reported that the Cumberland-Harnett, Davie-Yadkin, and Jackson-Macon border surveys are in progress. The reports for these borders have been submitted to the counties. The following border surveys are in progress: Mitchell-Yancey, Bladen-Columbus-Brunswick, McDowell-Mitchell, Granville-Franklin, Polk-Rutherford, Chowan-Perquimans, Harnett-Johnston, Montgomery-Richmond, and Buke-McDowell.

The NCGS continues to work on the North Carolina-Virginia boundary with the Commonwealth.

Discussion ensued about using the NCGS county boundaries as the official boundary dataset for use by all, including the counties themselves. Gary said he is working with Rich Elkins and John Bridgers at the Secretary of State's office to encourage counties to utilize this dataset as the best available. Gary, Rich, and John can only spread the word to use this dataset so much and seek a more official way to promote the use of this as the only county boundary dataset for use. By statute, NCGS is the county boundary authority. John added that the Secretary's office is encouraging counties to download the boundary data from the NCGS website, citing it as the best available data there is. Some counties use it, but some continue to use their own boundary. David Giordano added that there may be some benefit if the NG911 project uses these official boundaries. Another avenue could be to engage the LGC to advocate for the use of the same county boundary by all counties. Matt McLamb said this is the county boundary the NG911 project recommends counties use, however the boundaries may be altered because it is being used for 911 call routing.

Stephen Dew mentioned Guilford County is required to use the county boundary set forth by the county commissioners. The boundary was moved in 1964 because it ran through private property. Gary interjected that county boundaries can only be changed by law. Gary said the NCGS county boundary team will look at the issue and tell Stephen what they find.

Paul added that the recommendation from the SMAC to the GICC will be counties should use the NCGS county boundary as its official border, as NCGS is the county boundary authority.

Municipal Boundaries:

Sarah Wray has no report for municipal boundaries.

Transportation

Sarah Wray reminded the SMAC that DOT publishes their roads datasets quarterly. The last publication was August 10th. The next will be November 9th. Most of the major road datasets are available through NC OneMap. Other specific data can be found on the [NCDOT AGOL portal](#). The first publication of 2021 will be February 15th. This data is typically the most complete dataset every year because it contains all the attribution needed for federal reporting.

Addresses

Anna Verrill reminded the SMAC that the AddressNC team is looking to create a new addresses dataset with the data that comes out of the NG911 project. The team is working with the 911 Board on a data governance strategy and documentation for using any of the data from NG911. Once the strategy and documentation are finalized internally it will be shared with the SMAC and GICC.

An AddressNC steering committee has been established. They will collaborate on the following goals:

- Advise on an update process for AddressNC dataset.
- Establish a target release date for a new statewide address dataset (currently Fall 2021). This is inline with NG911 data being available.
- Advise on a new data schema to propose to the SMAC, hopefully at the January 20, 2021 meeting.
- Advise on potential services and tools to create from AddressNC data. A group will be established in early 2021 to test prototypes and provide feedback on sample data products.

Working Groups

Hydrography Working Group

Cam report the HWG met Monday and will meet every other month. The group will update requirements documents and involve local government in this. Incorporating stormwater infrastructure into the hydrography would be an important component, especially in urban areas.

Andy Kiley, who works with the headwater streams spatial dataset, gave a presentation/demo on the underlying, foundation geometry for the ATLAS hydro project. The purpose is to show how well the DWQ surface flow models are predicting potential stream geometry.

Orthoimagery and Elevation

Gary told the SMAC the subcommittee last met on Tuesday. The committee received an update on the ortho project and elevation and contour creation.

One of the items discussed at the meeting was the horizontal and vertical datum change. Gary asked Paul for the creation of a subcommittee to discuss and prepare for the impacts of the datum change and what steps will need to be made, for example: how will the change impact imagery and the tiling scheme for it and LiDAR. Gary will work with Ben to determine a name and develop a scope of work.

NC Board on Geographic Names

Cam reported that there are no name changes at this time for the NCBGN to consider. At a future NCBGN meeting he would like to discuss the discrepancies between the GNIS and DWQ hydrography names.

Working Group for Municipal Boundaries

John Bridgers reported there was no report on municipal boundaries at this time.

2022 Reference Frame Working Group

Gary had nothing to add as everything was covered in previous reports/discussions.

Metadata Committee

Sarah informed the SMAC that the committee will be reactivated. The group aims to develop a new work plan to guide what they will do in the future. A goal is to provide to the GICC a metric for the adoption of the metadata standard. In order to accomplish this people will need to be trained on the standard. To prepare for the training metadata documentation and tools on NC OneMap will need to be refreshed. The committee will meet by the end of October. Sarah plans to provide details on how the committee will move forward at the January 20, 2021 SMAC meeting.

Regular Status Updates

USGS/National Geospatial Programs Office

Silvia Terziotti reported that the QL1 LiDAR project is progressing as scheduled. Deliveries on the topobathy data will be made in 2021. Related to water, edits are coming in for NHD hydrography and WBD boundaries.

NC OneMap

David reported that behind-the-scenes work continues on the migration to AWS. Imagery conversion to a cloud-suitable format is nearing completion. This is the biggest hurdle in the move to the cloud.

NextGen 911

Matt McLamb showed the SMAC the NG911 status dashboard. Of the 115 primary PSAPs in NC, there are 50 that are now considered "i3 Ready." Matt and his team continue to work closely with GeoComm (contractor) and PSAPs to ensure the data is ready for i3.

Other Business

Alice Wilson mentioned that the LGC created an outreach subcommittee. They presented at the NCAUG meeting to discuss initiatives going on in the GICC and LGC. A poll was conducted at the presentation concerning familiarity with the LGC. About 1/3 of the attendees had never heard of the LGC. Outreach will also be performed at the next NCLGISA conference.

Related, Colleen Kiley informed the SMAC that CGIA will be disseminating a survey to update their contacts for local governments. The purpose is two-fold: to make sure the correct contact is recorded, and to ensure GICC initiatives, specifically for TAC infrastructure and Hydro Working Group, are being properly coordinated with local governments. The LGC would also like to have a “contact map” - local government contacts plotted on an ArcGIS Online map.

In-meeting Task Review

Bring to the MO and GICC recommendations on how to ensure all parties, in particular local governments, that need county boundaries are using the same data available from the NC Geodetic Survey.

Adjourn