

Summary of 20210414 SMAC Meeting for 20210519 GICC Meeting

The SMAC reports progress on these important tasks:

1. Orthoimagery
 - The 2021 Eastern Piedmont project area (26 counties) was flown this spring and is 100% complete. The imagery is to be delivered on schedule in the November 2021 timeframe.
 - Funding for the 2022 flights (Northern Piedmont and Mountains) was approved by the 911 Board. Even though the acquisition timeline is later than in the other project areas, the project team hopes to keep the same delivery schedule due to efficiencies gained by leveraging Amazon Web Services to perform the image validation, processing, and product creation.
2. Cadastral
 - Since January 1, 2021 67 counties have updated their parcels and uploaded the data to the parcel transformer, which normalizes the attributes for all 100 counties.
3. Transportation
 - DOT is in the middle of collecting requirements for their roadway centerline GIS data. The goals are to understand the current needs for the data and to ensure the centerlines support federal and state statutes, mandates, and reporting requirements.
 - The Working Group for Roads and Transportation will reconvene to update the data content standard for roads to take into account additional roadway standards from the NextGen911 project.

SGUC Committee Report for 5/19/2021 GICC Meeting

The SGUC executive committee met March 23, 2021. The following items were addressed at the meetings:

- The SGUC sent out a survey to better prioritize ESRI training classes to offer in the remainder of the fiscal year. Response was overwhelming. There were over 100 responses. Training started in mid-March and will run through the end of the fiscal year.
- Christian Vose was appointed to be the SGUC representative on the SMAC. Christian fills the seat left by Hope Morgan. The executive committee also nominated representatives from the NC General Assembly, Cultural Resources, and Board of Elections. These new members will be voted into the Executive committee at the June meeting.
- CGIA is conducting a GIS needs assessment with state agencies to better understand governance, how GIS is organized, and what the data needs are in the agencies. The assessments hope to answer where agencies get their GIS data, what the acquisition process looks like, and any training needs they may have, among others.
- The executive committee reviewed the current work plan and the proposed GICC goals and priorities as a start for the FY 2021-22 version.
- 2021 dates for the general membership meetings are August 5, and November 4.

The SGUC general meeting was held on May 6th. The following topics were discussed:

- A discussion of Lidar needs in the state: John Lay of NCEM provided an update on the Lidar program and offered suggestions for future needs. Andy Kiley of DEQ provided an overview of the headwater mapping program and their use of Lidar to model streams. Charles Lee of DOT discussed Lidar extraction tools and uses within DOT. The presentations were followed by a group discussion of Lidar needs and uses within state agencies.
- Mobile device management panel discussion: Melanie Williams of DEQ, John Lovette of WRC, David Alford, and Jacob Mauw of DOT presented how they are using mobile devices, what devices are being used, what mobile applications are being used, and their lessons learned from mobile device deployment. The presentations were followed by a group question and answer session.
- Colleen Kiley of CGIA provided an update on the ESRI ELA negotiations.

LGC Committee Report for 5/19/2021 GICC Meeting

The LGC General meeting was held on February 24th and the Committee discussed the following items:

- Alice Wilson gave a debrief of the GICC February meeting highlighting the indeterminate county boundary, municipal boundary working group, and federal legislation updates.
- Cam McNutt presented an update on the hydrography working group, and the committee discussed ways to collect local government requirements for the layer.
- The LGC also received an update on the Next Generation 9-1-1 project.
- A session of round-robin updates for committees and working groups included updates for WGEER, Parcels, Orthoimagery and Elevation, Hydrography, SMAC, Census 2020, and the TAC Infrastructure Working Group.

The LGC Executive Committee met May 5th and discussed the following:

- The General Meeting agenda was set and will focus on resiliency projects.
- The members reviewed membership terms and SMAC and TAC appointments. Alice Wilson will be stepping down as Chair, and a call was put out for nominations for a new Chair.
- The committee discussed topics and opportunities for outreach. Redistricting, resiliency, WGEER, Parcels, AddressNC, and the Hydro Working group were discussed. Upcoming meetings and opportunities to reach members were reviewed.
- The committee reviewed the GICC Goals and Strategic direction in preparation for editing their 2021-2022 workplan later this year.
- The next meetings are July 21th (EC) and June 2 (General)

Federal Interagency Committee Report for 5/19/2021 GICC Meeting

A FIC Executive Committee meeting was held March 10th and General Membership meeting was held on April 27.

At the FIC Executive Committee meeting, the FIC discussed the following topics:

- The Executive Committee reviewed membership and current term status. Two members Denise Smith (USMC) and David Wyatt have decided to leave and were thanked for their service.
- Doug Newcomb and Melissa Walker (USMC) have agreed to serve on the Executive Committee. The committee is looking for an additional replacement for David Wyatt.
- The FIC approved changes to the bylaws and voted to forward them to the GICC for approval.
- 2021-2023 draft goals were presented, and the current workplan was reviewed.

At the FIC General Meeting, the Committee focused on resiliency efforts and tools.

- Kitty Kolb – Integrating national fire and water databases to create a "fire-aware" stream gage network. Leveraging StreamStats and other streaming services, the Fire-Hydro tool estimates post fire runoff statistics by stream basin or wildfire perimeter. This application is still a demo. The url: <https://test.streamstats.usgs.gov/fire-hydro-demo/>
- Erik Hund – NOAA Efforts to Support Community Resilience. Erik presented several different resilience related online tools NOAA has available that aid coastal decision makers, build capacity for informed action, and help leverage partnerships. The key issue that all these tools examine is coastal inundation, and they are broken into four categories that contribute to coastal inundation which are storm surge, high tide flooding, sea level rise and coastal stormwater impacts. NOAA has several sea level rise products it maintains for users to visualize and view how sea level rise will impact them. They are Sea Level Trends (<https://tidesandcurrents.noaa.gov/sltrends/>), the Sea Level Rise Viewer (<https://coast.noaa.gov/slr/#/layer/slr>), and the Coastal Flood Exposure Mapper (<https://coast.noaa.gov/digitalcoast/tools/flood-exposure.html>). NOAA has, with partnership with USGS and stormwater engineers, created the Adapting Stormwater Management for Coastal Floods website. This is a training website that communities can use to determine how flooding can affect their stormwater systems. The Digital Coast website, which has over 50 tools, and the Climate Resilience toolkit, which has climate related tools, operate with a close partnership between public and private entities. Other tools and services that NOAA provides are the Coastal County Snapshots and the ENOW explorer. NOAA also provides online, and instructor led courses on resilience.
- Doug Newcomb – Applying Local NOAA sea level rise temporal model estimates to connected estuarine areas to estimate inundation impacts on wildlife habitat. There are many conservation lands on coastal North Carolina and Virginia that are subject to sea level rise. Effective resiliency planning requires models of inundation associated with specific times to best assess the current conditions and the likely future conditions. Using NOAA sea level rise data, 5-foot DEM data he created from NC Lidar data, and NOAA 3-meter DEMs, Doug has been able to model sea level rise on the NC Coast.
- Additional links and resources discussed during the agency updates can be found in the FIC meeting notes on the GICC website.

Technical Advisory Committee Report for 5/19/2021 GICC Meeting

Since the last GICC meeting, the TAC has maintained its biweekly meeting schedule. We have collected 15 use cases from both data providers and data users to document user needs and data provider practices. TAC members have contributed many of the data provider uses cases thus far and we are continuing to coordinate with the LGC, SGUC, and FIC to solicit use cases. We also have produced a summary document that outlines and clarifies the goals and path forward for the working group. It can be found on the TAC web page of the Council's website.

We are concentrating on collecting statutes, industry standards and best practices that affect data sharing. The goal for this task is to provide links to relevant documents in our final report, so data producers can have references in a single place for inclusion in internal policies and data sharing agreements. We are reaching out to additional industry representatives to solicit these documents, because for some utilities, the existing working group lacks expertise in the subject area. The TAC hosted Ben Shelton to discuss Broadband, Nick Haffele from Chatham county to discuss their open data policy, and will be reviewing similar individual infrastructure questions as we move forward.

Currently, the TAC is planning for the final report. We have a basic report outline, and TAC members are reviewing the materials they have collected to better define individual sections of the final report.

Management and Operations Committee Report for 5/19/2021 GICC Meeting

The M&O Committee met on March 29th for a lengthy meeting to discuss the following topics:

- Bob Coats provided an update on the Census data release schedule. 2020 Geographies were released earlier this year, and delays have pushed the anticipated release of redistricting data to August. A proposed change to the threshold for metropolitan area criteria would affect Rocky Mount, Goldsboro, and New Bern. These three cities would become micropolitan areas from metropolitan areas.
- Updates were provided on the statewide Orthoimagery project, NC Parcels, and Next Generation 911. Orthoimagery collection is complete, and 2022 funding has been approved. 98 counties provided parcel updates in 2020. NextGen 911 is targeting a May date for all PSAPs to be i3 ready.
- The M&O revised its bylaws and voted to refer the edited bylaws to the GICC for approval.
- Tim Johnson and Gary Thompson provided updates on the Digital Coast Act, the National Landslide Preparedness Act, and the STORM Act. The Committee agreed to visit these acts throughout the coming year.
- The majority of the meeting was devoted to reviewing the 2019-2021 goals, revising them, and discussing the priorities for next biennium. The proposed goals will be presented at the May GICC meeting.
- The M&O Committee completed its work by finalizing an agenda for the May GICC meeting and receiving status updates from all GICC committees.