

Working Group for PLS and GIS: Report and Recommendations

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GICC Staff

May 8, 2019



Working Group for Professional Land Surveying and GIS

- Created by the GICC to work with NCBEES to define GIS and the scope of engineering and services in relation to GIS
- Review legislation governing PLS and GIS activities in North Carolina
- Make recommendations to the GICC
- Communicate results to the broader community



Use Cases Prepared as Basis for Discussion

- Prepared 40 use cases originally
- Narrowed to 22 cases for discussion between representatives of Working Group and members of NCBEES Surveying Committee
- Discussed examples at length and concluded whether each use case represented a GIS activity or required a PLS
- Healthy, sometimes tedious conversations

Use Cases Considered

- UC-1: Other Professional Fields
- UC-2: Indoor Positioning for Resource Management
- UC-4: Tax Mapping
- UC-6: Bald Eagle Tracking
- UC-7: Creating and Maintaining Street Centerlines
- UC-8a: Digitizing and Attributing Utility Assets
- UC-8b: Locating Utility Assets for Design, Engineering, Regulation, or a Legal Purpose
- UC-9a: Crowdsourcing Neighborhood Safety
- UC-9b: Crowdsourcing for High Water Marks for Flooding
- UC-10: Indoor Positioning and Visualization of Buildings
- UC-11: Spatial Statistics for Analysis
- UC-12: Legislative Support

Use Cases Considered (continued)

- UC-13: Robot Mapping of Sea Floor
- UC-14: Categorical Exclusion
- UC-15: Sex Offender Web Map
- UC-18a: Road Centerline Inventory and Analysis
- UC-18b: Establishing or Verifying Location of Street or Railroad Centerline for Legal or Regulatory Purpose
- UC-19: Create DEM in Raster Format from LiDAR Points or Create Contours (Vector) from a DEM or LiDAR Points
- UC-20: Create Set of Points (x,y) Representing Manhole Covers Using Orthoimagery as Visual Reference
- UC-21: Create Set of Points Representing Corners of a Property
- UC-22: Create Set of Points Representing Location of Livestock Operations Using Orthoimagery as Visual Reference
- UC-23: Create Inventory of Buildings Located Within Flood Hazard Areas

Other Licensing Boards

- NC Board of Architecture
- NC Board of Examiners for Engineers and Surveyors
- NC Board of Landscape Architects
- NC Board for Licensing of Geologists
- NC State Board of Registration for Foresters
- NC Wildlife Resources Commission

Disclaimer

This [map] [report] was prepared for the purpose of [(inventory of real property); (initial project planning); etc.] and should not be used for any other purpose. The information contained herein was compiled from previously georeferenced data and/or public records, and these primary sources must be consulted for verification of the information contained in this [map] [report]. This [map] [report] is not intended to indicate the authoritative location of property boundaries, shape or contour of the earth, or fixed works. This [map] [report] is not a survey and does not meet the minimum accuracy standards of a Land Information System/Geographic Information System Survey in North Carolina (21 NCAC 56.1608).



What We're Doing



Council Meetings

Meeting Schedule,
Agendas, Minutes and
Presentations



Upcoming GICC Events

All Council, Committee
and Workgroup Meetings
Information



Committees and Work Groups

Standing Committees,
Working Groups and Ad
Hoc Committees



Next Quarterly Council Meeting

RALEIGH, NC
PUBLIC MEETING

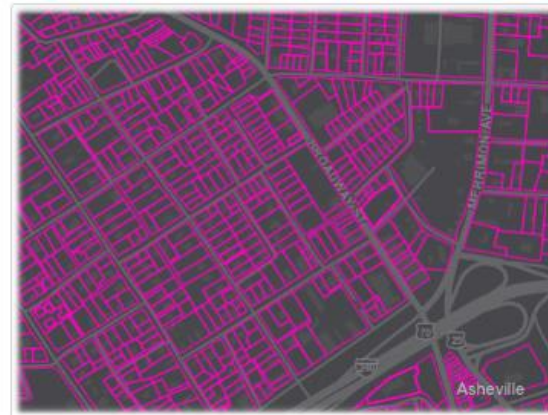


[Access North Carolina's Geospatial
Data Resources](#)



[Statewide Orthoimagery Program](#)

ORTHOIMAGERY STATEWIDE AERIAL



[NC Parcels Program](#)

Statewide Standardized Parcel Dataset

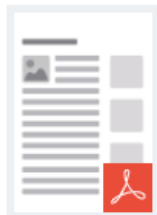


GICC Quarterly Meeting 5/8/2019

Event Description

The Geographic Information Coordinating Council (GICC) meets quarterly to provide direction and oversight for policies, plans, data standards, data sharing, strategies, and technical issues. Meetings may include technical presentations, reports on initiatives and opportunities, discussion of issues, and reports from standing and ad hoc committees and working groups.

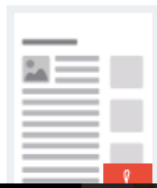
Associated Files



[GICC Agenda 20190508-rev.pdf](#)

PDF • 187.72 KB

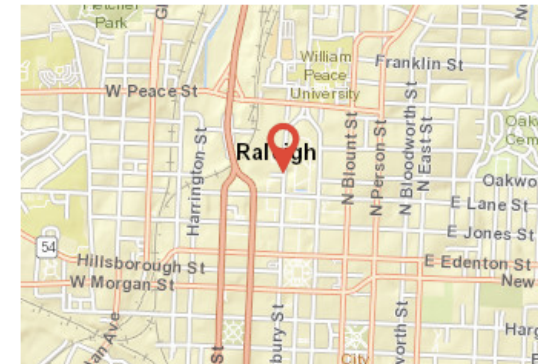
[Download](#)



[Summary of Use Case Discussion with GICC NCBEES 20190507.pdf](#)

PDF • 175.76 KB

When and Where



When:

Wednesday, May 8, 2019 - 1:00p.m.

Where:

325 N. Salisbury Street
Department of Insurance, Room 245
Raleigh, NC 27603
United States

Contact:

Tim Johnson
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Recommendations

- Get community comment before recommending GICC adoption of use cases and disclaimer as guidance for GIS practitioners in NC
- Hold annual meeting between GICC and NCBEES
- Reach out to professional licensing boards to discuss potential overlap of professions, if any
- Communicate option for GIS practitioners to apply to become licensed as a Professional Land Surveyor in Mapping Sciences

Send questions/comments:

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tim.johnson@nc.gov



Let's Connect!



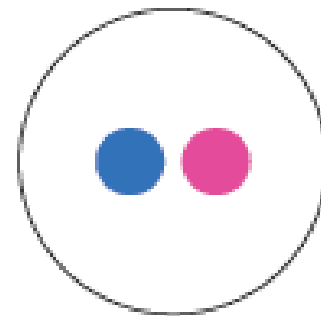
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