

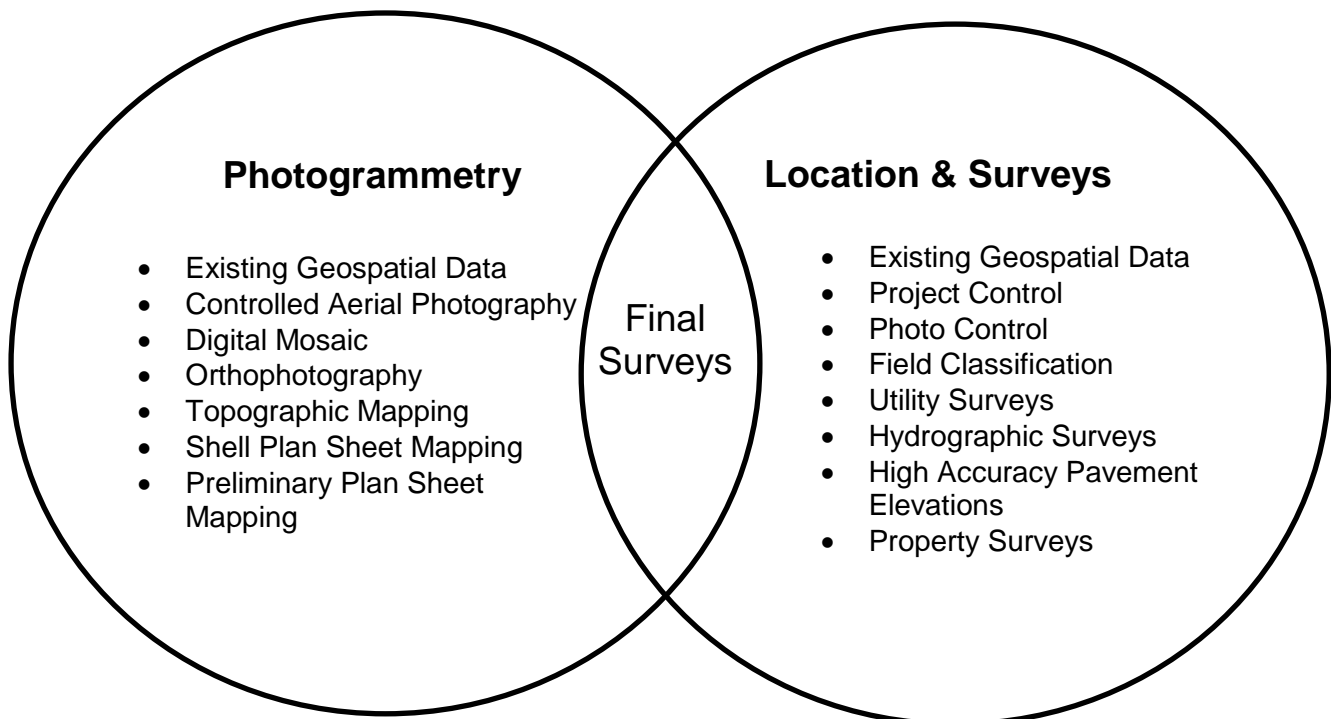
REQUESTING MAPPING & SURVEYS FOR NCDOT PLANNING AND DESIGN ACTIVITIES

Photogrammetry and Location & Surveys are two separate units in NCDOT Technical Services. The units work very closely to provide mapping and surveys products and services using in house resources and private photogrammetry and surveying firms.

Photogrammetry Unit staff are located in Raleigh. Photogrammetry staff perform flight and photo control planning for almost all projects since NCDOT owns and operates a large format aerial camera on an Aviation Division aircraft. The unit has limited in house resources to photogrammetrically compile mapping products and uses Limited Services Agreements with multiple firms to generate mapping products for its customers. Key Photogrammetry Unit staff and their area of responsibility are identified at the end of this document.

Locations & Surveys Unit staff are located in Raleigh and in each Division. The unit has limited in house resources to generate survey products, and prefers to utilize their in house staff to establish project control since this is the basis for all subsequent mapping and surveys. The unit has Limited Services Agreements with multiple firms to generate a variety of surveys used for transportation projects. Key Location & Surveys Unit staff and their area of responsibility are identified at the end of this document.

The two units have a long established working relationship. The majority of the mapping and surveys products identified in this document and used for planning and design are produced with work being performed concurrently by both units. Staff from each unit regularly coordinate and discuss mapping and surveys requirements, and establish internal schedules to ensure project managers receive their requested products on time. The following diagram provides an overview of the key products each unit provides for planning and design activities.



2018 Timeline for Requesting Mapping & Surveys Products for Leaf-Off Aerial Photography Acquisition

July 2-31, 2018: Face-to-face mapping meetings with Division and Central staff (as needed) to prepare for the upcoming cycle.

August 1, 2018: Photogrammetry sends Mapping/Surveys Request and Guidelines to Divisions and Central Project Delivery Teams.

August 15, 2018: Regional Mapping Meetings are scheduled in advance to be accomplished October 1-15, 2018.

September 17, 2018: Completed Mapping Request spreadsheet and DGN limits are submitted to Photogrammetry / Location & Surveys. Regional and Division Location & Surveys Team Leads are available for consultation and to assist in the development of mapping and surveys limits. ***Division and Central Project Managers should request mapping and surveys with delivery schedules through June 30, 2020 to account for leaf off flying season.***

October 1-15, 2018: Regional Mapping Meetings conducted with Division & Central Project Managers, Photogrammetry, and Location & Surveys.

October 15, 2018: Mapping products and limits with tentative delivery schedules are identified at Regional Mapping Meetings.

November 1, 2018: If necessary, Photogrammetry / Location & Surveys submit revised delivery schedules to Division Engineers and appropriate Division and Central staff for Prioritization.

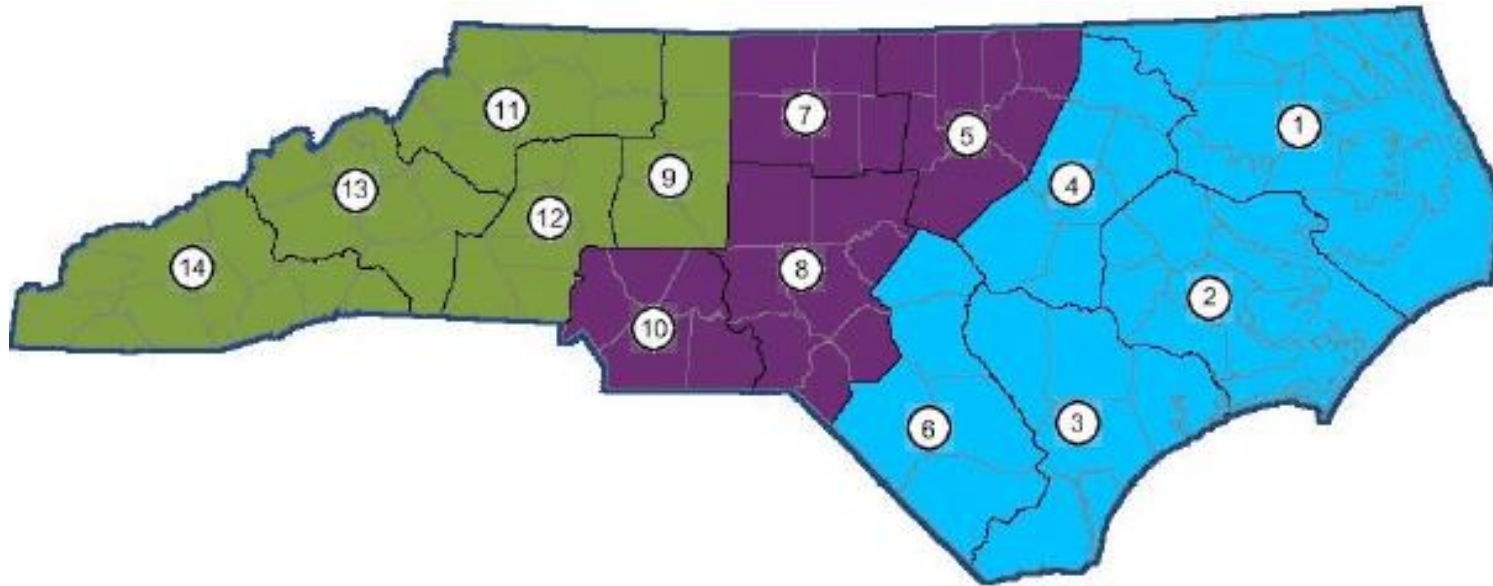
November 15, 2018: Division Engineers and appropriate Division and Central staff establish final product delivery dates.

At the conclusion of the Annual Requesting Mapping and Surveys cycle, the Location & Surveys Unit will send a notice to each Division and Central Project Manager summarizing the scheduled delivery for all mapping and surveys products for each project.

Out of Cycle Requests for Mapping & Surveys

Out of Cycle requests for mapping and surveys should be requested from the Regional or Division Location & Surveys Team Lead, as appropriate, who will evaluate the scope of the mapping and surveys and coordinate with Photogrammetry.

Location & Surveys Unit Project Delivery Group Staff (May 2018)



Regional Team Lead

- Regional Engineer - Derek Bradner, PE, PLS, CPM

Division Group Leads

- Division 4 - Vacant
- Division 5 - Jason Hedley, PLS
- Division 7 - David Langston, PE
- Division 8 - Greg Myrick, PE
- Division 10 - Mojdeh Masihpour

Regional Team Lead

- Regional Engineer - Pat Tuttle, PE, PLS, CPM

Division Group Leads

- Division 9 - Mike Motsinger, PLS
- Division 11 - Larry Absher
- Division 12 - James Jeffreys, PE, PLS
- Division 13 - Richard Hensley, PE
- Division 14 - Barry Hamrick

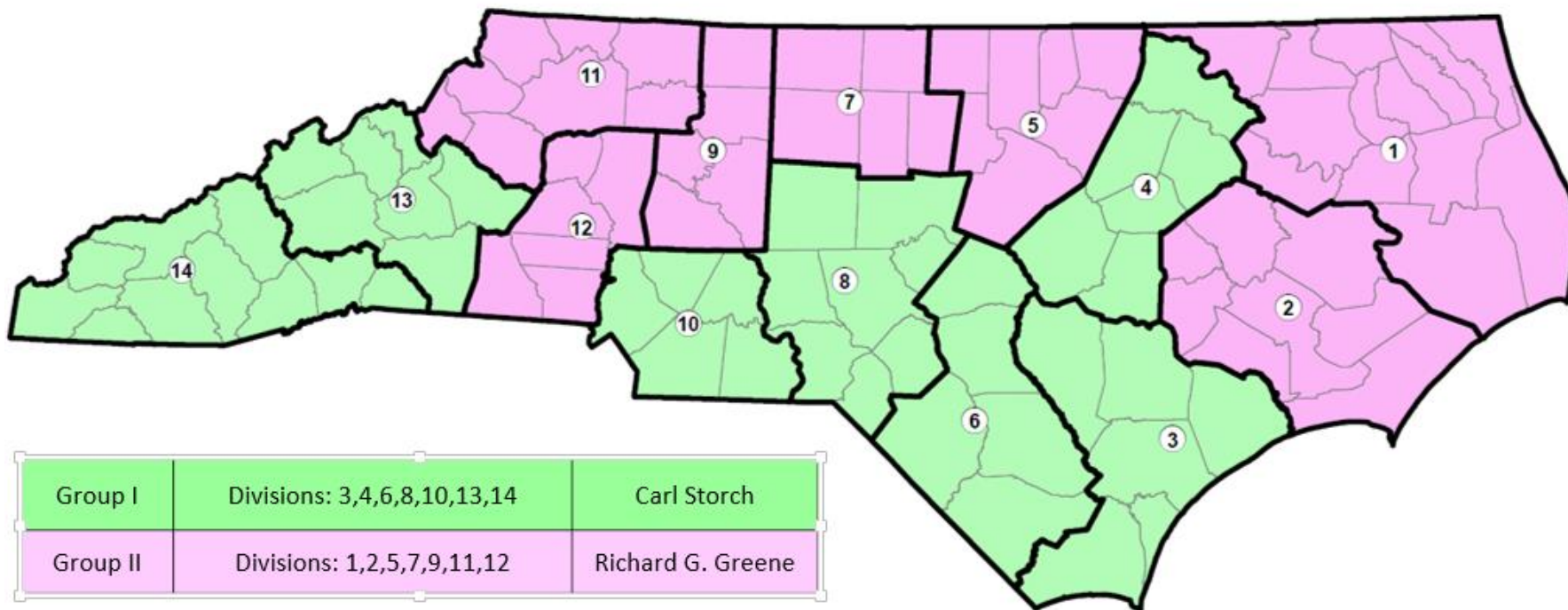
Regional Team Lead

- Regional Engineer - Keith Honeycutt, PE, PLS, CPM

Division Group Leads

- Division 1 - Vacant
- Division 2 - Robert Reigner, PLS
- Division 3 - Rick Neal
- Division 6 - John Kaukola, PLS
- Sonar Surveys Group - Mark Ward, PLS

Photogrammetry Unit Project Delivery Group Staff (May 2018)



Note: Carl Storch is retiring May 31, 2018. Please contact Rob Allen, Assistant Unit Head, after May 31st for Division 3, 4, 6, 8, 10, 13, & 14 mapping needs.

Rob can also be contacted at any time for mapping and project delivery questions.