

# Statewide Orthoimagery Program

Northern Piedmont & Mountains  
2022

Southern Piedmont & Mountains  
2023

Ben Shelton  
Program Manager

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# Current Orthoimagery Program Cycle

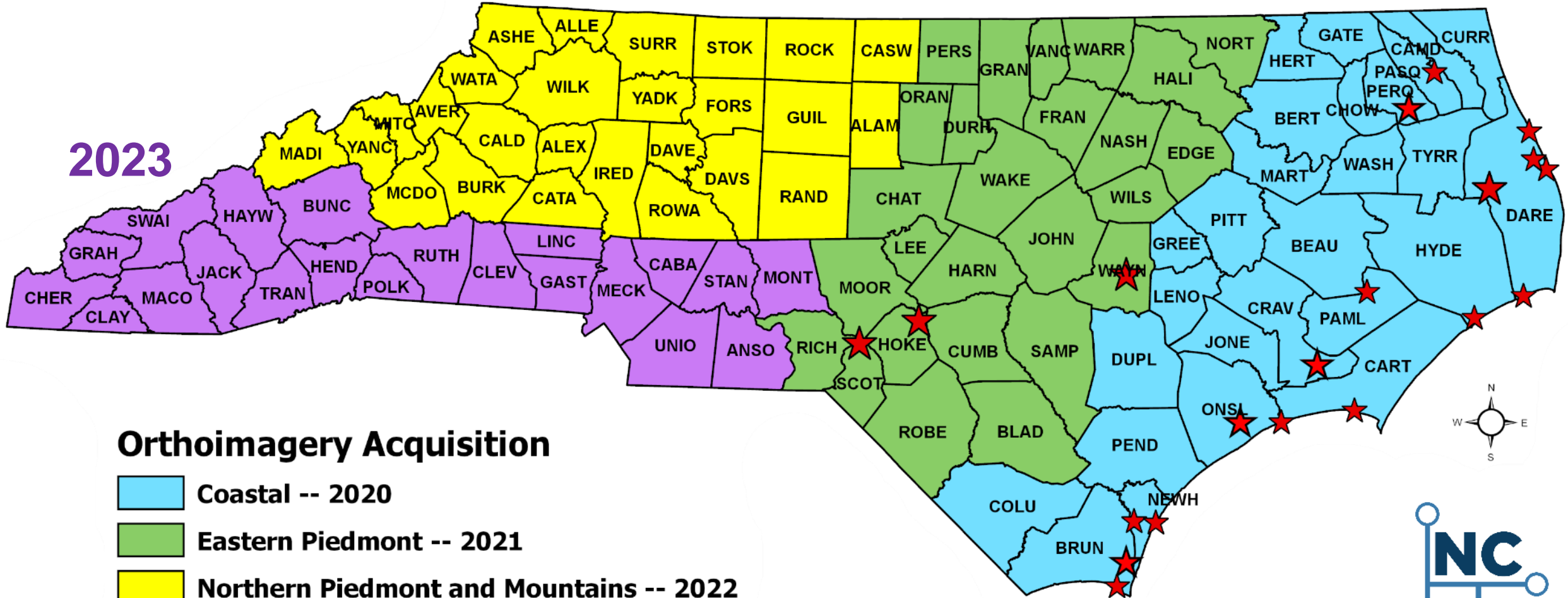
4-Year Cycle

2022






2021

2020

2023



## Orthoimagery Acquisition

-  Coastal -- 2020
-  Eastern Piedmont -- 2021
-  Northern Piedmont and Mountains -- 2022
-  Southern Piedmont and Mountains -- 2023
-  Military Installation Locations





# 2022 Northern Piedmont & Mountains

## Northern Piedmont and Mountains 2022

Vendor Selection

- 26 counties
- 12,349 Square Miles
- 25% of Project Area considered 'Mountain Acquisition'
- True Orthoimagery for Greensboro & Winston-Salem
- 4-Band Ortho Products continuing to be developed for this phase

The map displays 26 counties in North Carolina, color-coded by tile acquisition vendor. A pink line indicates the Mountain Tile Division Line. A legend in the bottom-left corner provides details on the tile acquisition areas.

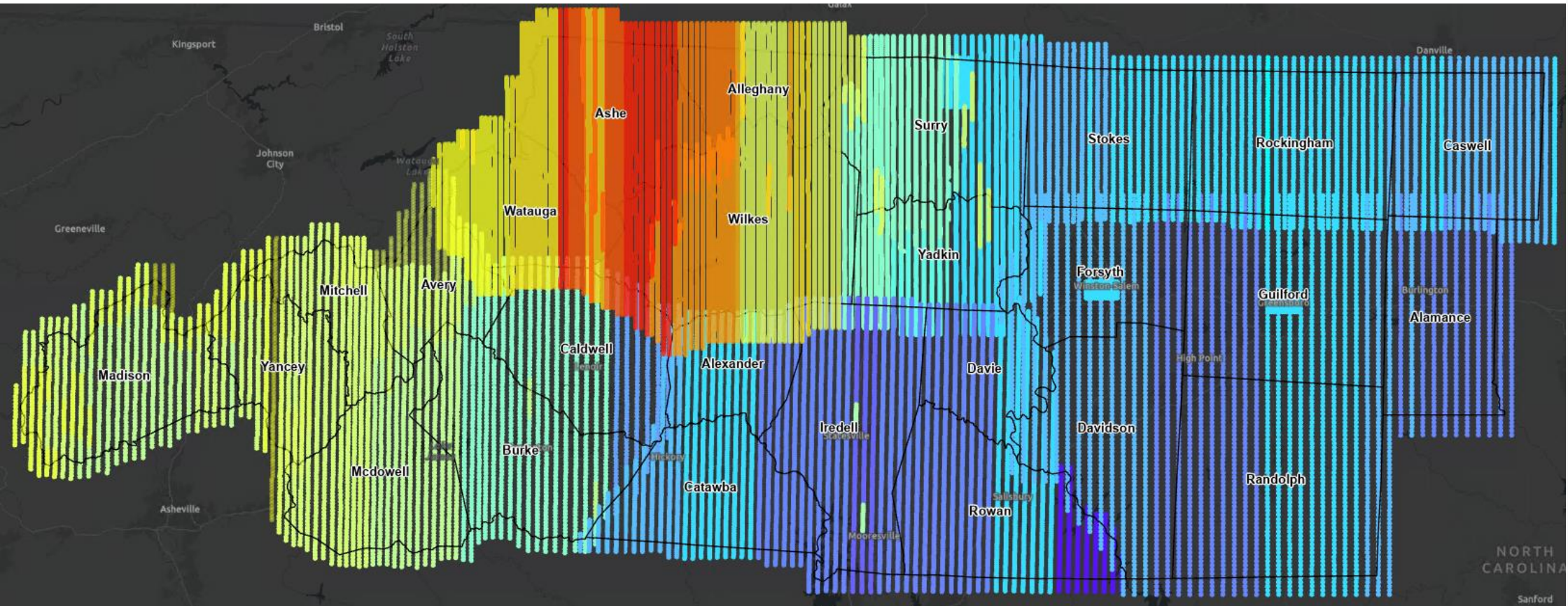
Color	Count	Vendor
Blue	1	True Orthoimagery Areas
Dark Green	1 (3,267 Tiles)	Atlas Geographic Data
Light Green	2 (3,042 Tiles)	Surdex
Yellow	3 (2,410 Tiles)	Sanborn Map Company
Orange	4 (3,347 Tiles)	Spatial Data Consultants
Red	5 (1,705 Tiles)	Surveying and Mapping, LLC (SAM)





# 2022 Northern Piedmont & Mountains Acquisition

- Flights began on January 31
- 100% of Flight Lines Complete as of March 21



- 01/31/2022
- 02/01/2022
- 02/06/2022
- 02/09/2022
- 02/10/2022
- 02/10/2022
- 02/11/2022
- 02/12/2022
- 02/14/2022
- 02/15/2022
- 02/18/2022
- 02/19/2022
- 02/20/2022
- 02/28/2022
- 03/01/2022
- 03/02/2022
- 03/03/2022
- 03/05/2022
- 03/13/2022
- 03/14/2022
- 03/15/2022
- 03/21/2022

# 2022 Project Timeline





# 4-Year Refresh



- Cap turnaround at maximum of 4 years
- Eliminate patchwork collection of county imagery sets of varying quality, resolution, and age





# 4-Year Refresh

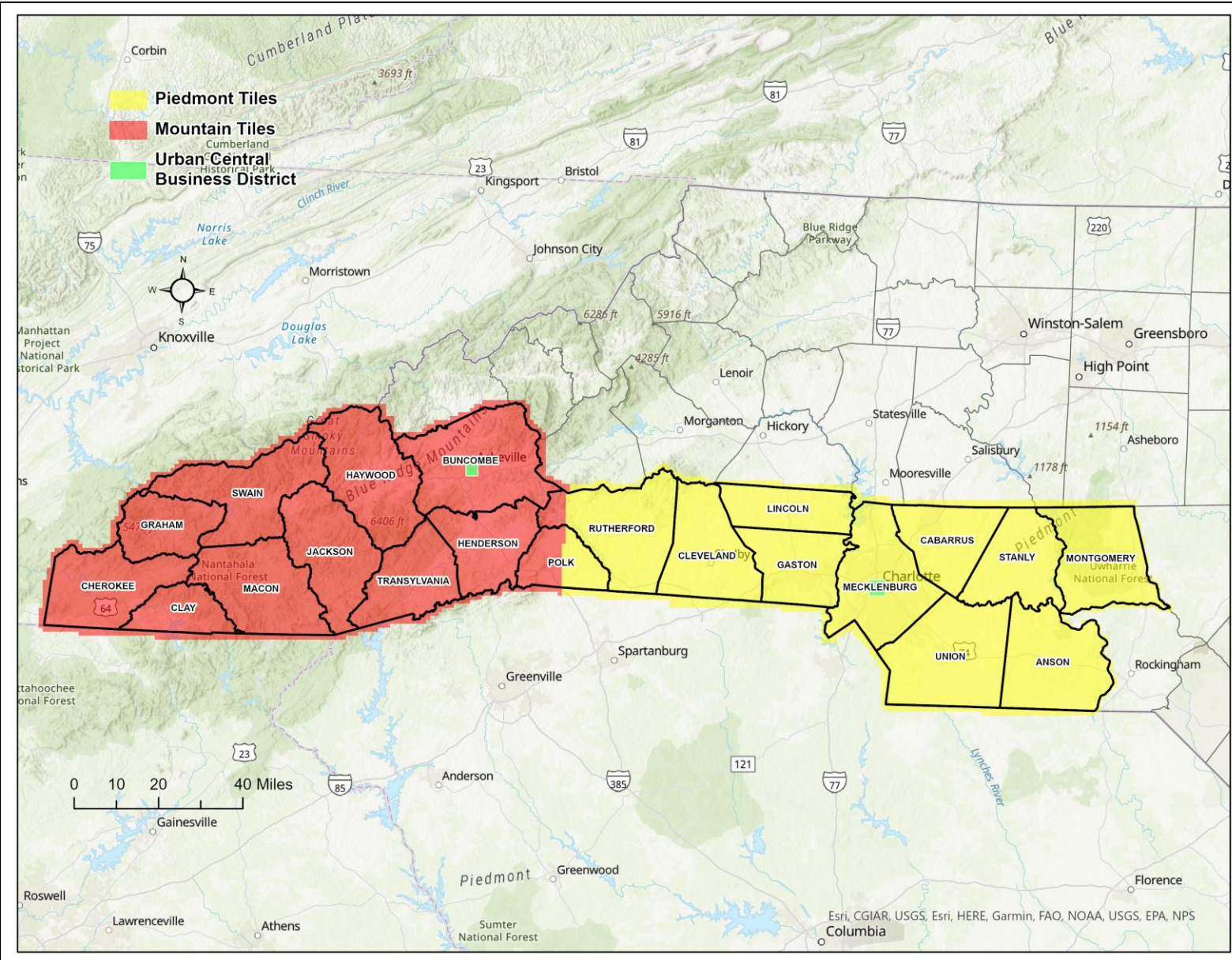


- Cap turnaround at maximum of 4 years
- Eliminate patchwork collection of county imagery sets of varying quality, resolution, and age





# 2023 Southern Piedmont & Mountains



- 21 counties
- 10,397 square miles
- 50% of Project Area considered 'Mountain Acquisition'
- True Orthoimagery for Asheville & Charlotte
- 4-Band Ortho Products continuing to be developed for this phase to complete entire state of CIR





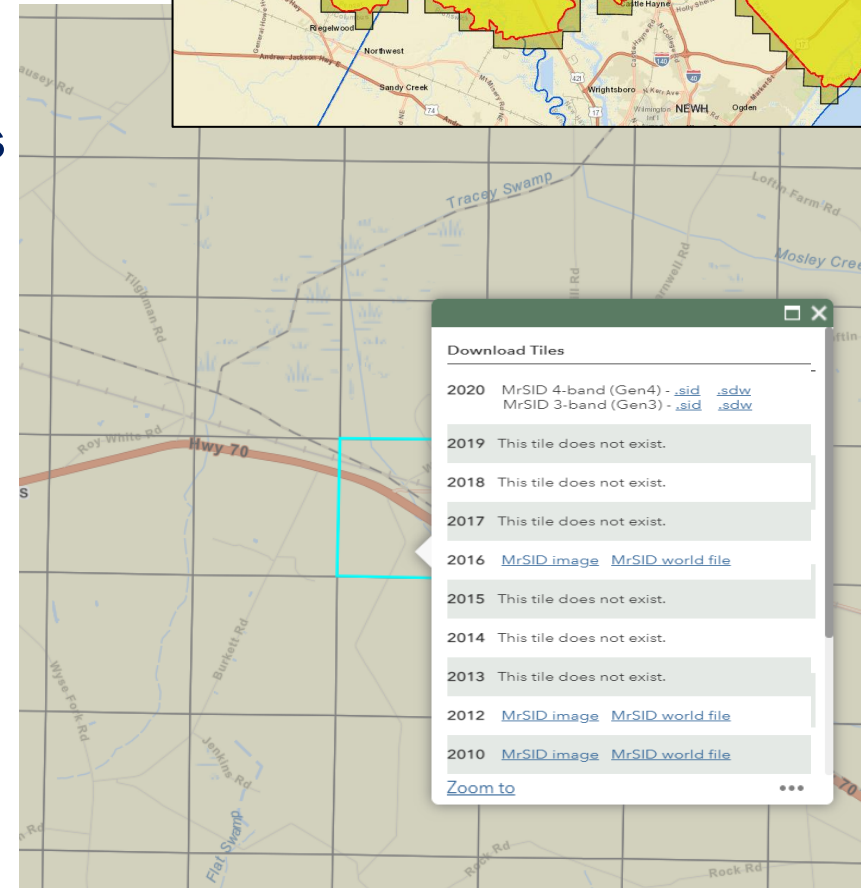
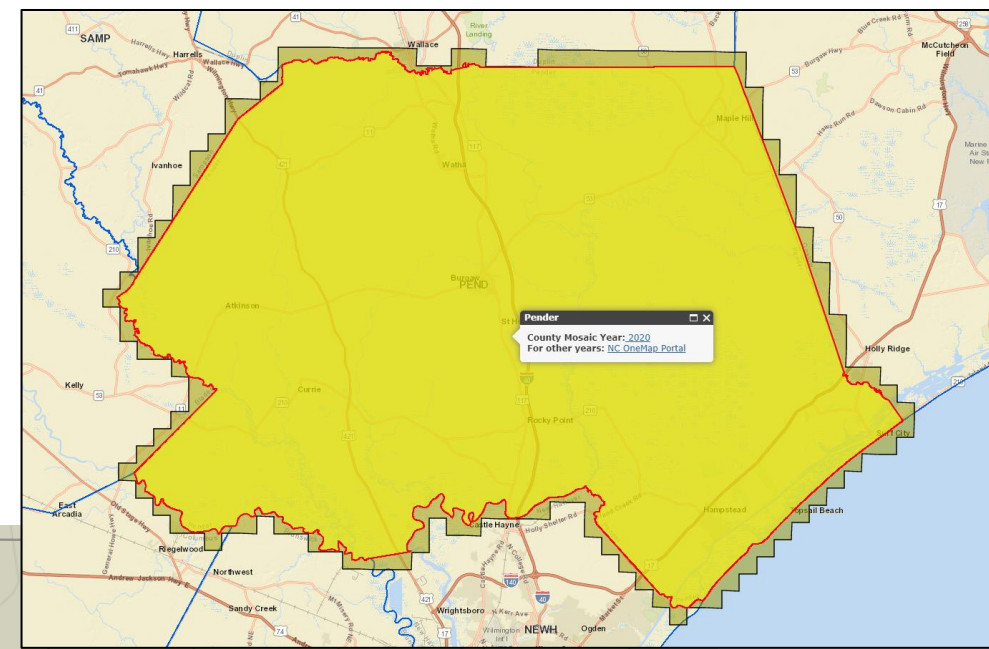
# NC OneMap & AWS

## NC OneMap Imagery Downloads

- <https://www.nconemap.gov/pages/imagery>
- **Single tile, 20:1 Compressed:**
  - 4-band Gen4 MrSID AND
  - 3-band Gen3 MrSID Tiles
- **Single file, 50:1 Compressed 4-band Gen4 MrSID**
- **Previous Years', Single File 50:1 County Mosaics**
- **Single tile, Cloud Optimized GeoTIFF (COG)**
  - Will be used to host Image Services for all years and ortho\_latest

Presentation on COGs: <https://youtu.be/lx-4L2dRmRg>

- Users will be able to download multiple COG tiles using Image Service in ArcGIS
  - Select tiles in map with Select tool – right-click layer and go to Data>Download Raster





# Questions?

Ben Shelton

919.754.6377

[Ben.Shelton@nc.gov](mailto:Ben.Shelton@nc.gov)

<https://www.nconemap.gov/pages/imagery>

