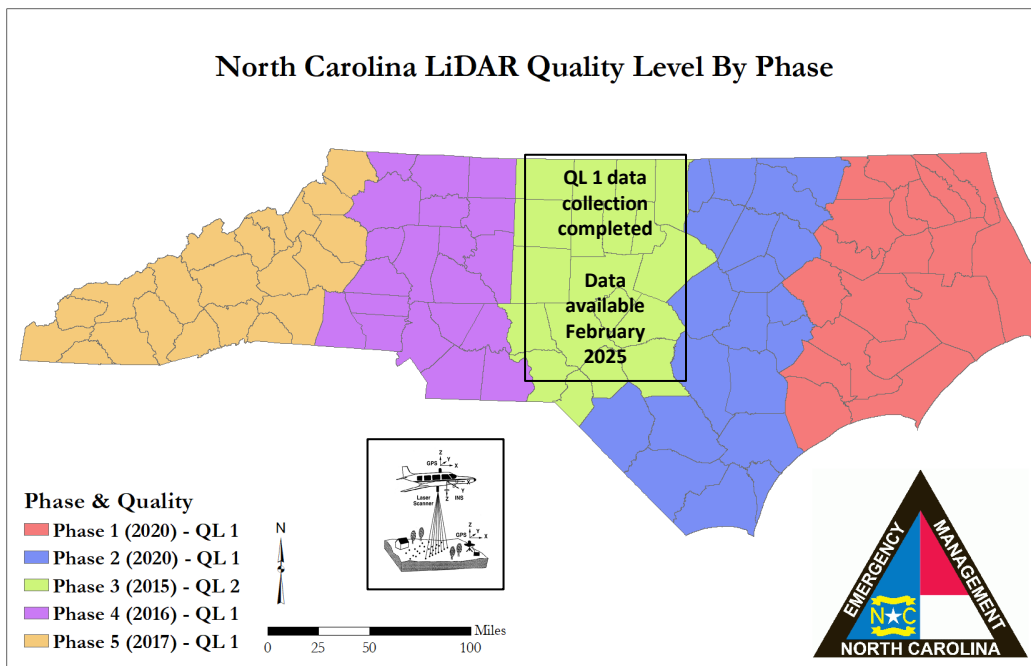




NC Light Detection and Ranging (LiDAR) Elevation Data 2024 Data Collection



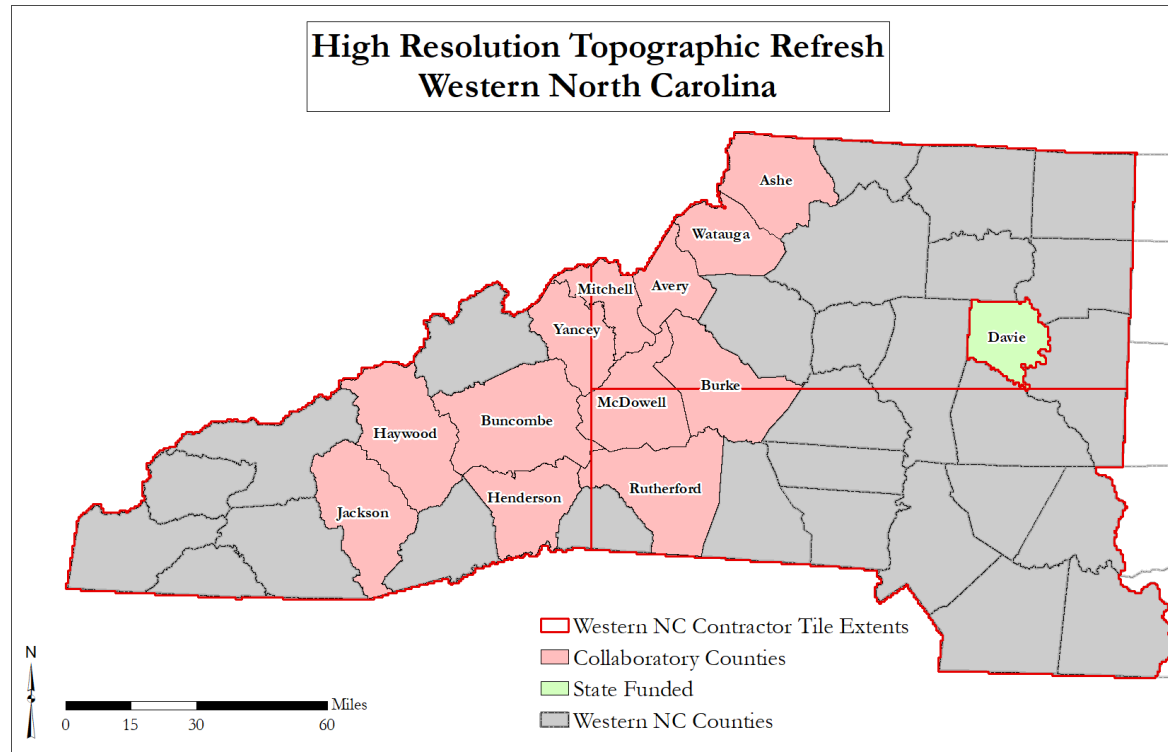
NAD83(2011), NAVD88, and US Survey Foot will be used to collect new LiDAR data in Phases 3, 4, 5

The new datums and the International Foot will be used when we start the 4th phase of statewide LiDAR data collection

QL = Quality Level



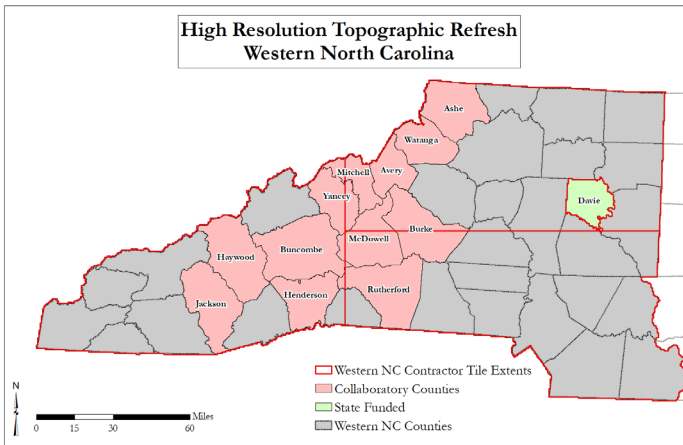
2025 Data Collection Area





2025 Data Collection Area

North Carolina Collaboratory



- LiDAR acquisition, processing and QC for 12 western NC counties / Imagery acquisition, process and QC for 13 western NC counties.
- Progressive delivery to the Collaboratory and NCEM of data up through May 2025.
- Aircraft are mobilizing with expected acquisition for lidar to begin by weekend of 1/11-1/12, weather dependent
- Acquisition for lidar running in tandem with NCEM project – teams will collect lines each day based on weather windows
- Lidar acquisition could likely take 4-5 weeks depending on weather
- Orthophotography data capture to begin in late January once appropriate sun angle is achieved
- Lidar to be processed in blocks and delivered intermittently when data is ready
- Orthophotography will be rectified against new lidar DEM data, except in Alexander that will use the existing DEM for rectification with updates only in areas of change