# North Carolina Geodetic Survey (NCGS): Positioning NC today and for the future!



# State Mapping Advisory Committee April 20, 2022

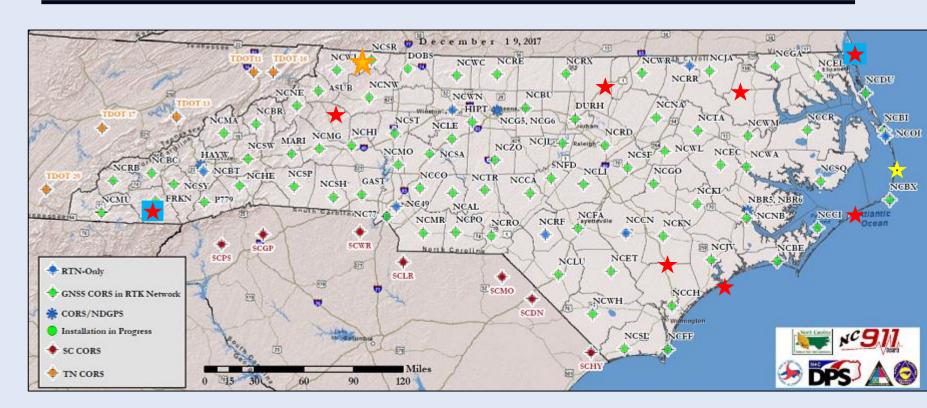
## **Geodetic Control**





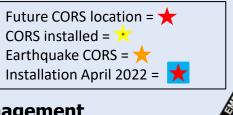


## North Carolina (NC) Continuously Operating Reference Station (CORS) Network



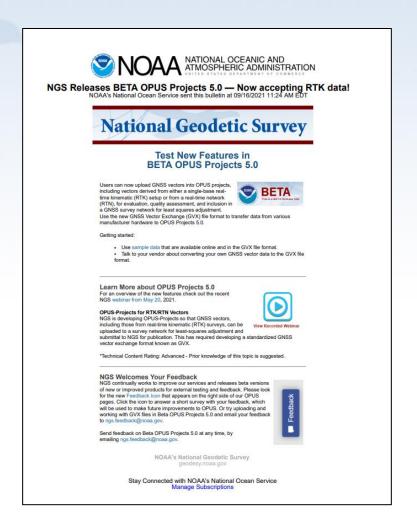






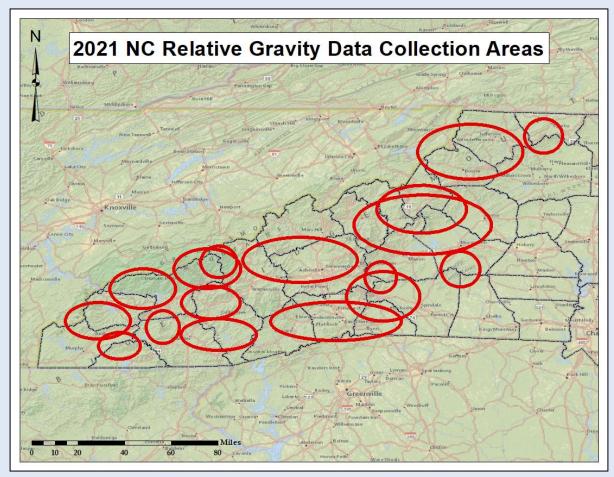
## OPUS-Projects 5.0

- Inclusion of previously processed GNSS vectors
  - Single-base Real Time
     Kinematic (RTK) vectors
  - Network RTK vectors
  - Vectors processed in other software



4/21/2022

## **Gravity Data Collection**



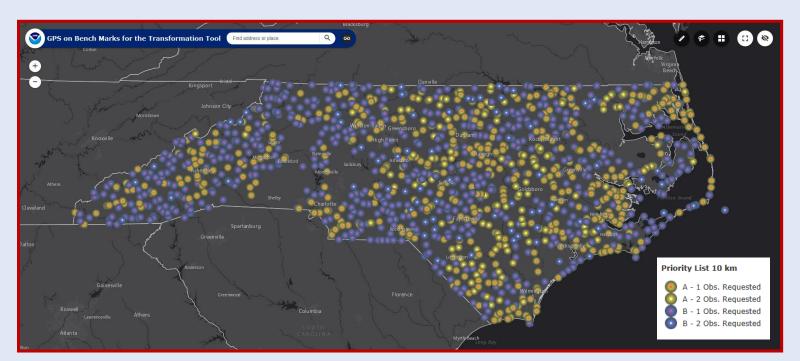






#### • 2020

 NGS has prepared a list of geodetic monuments that we review for possible GNSS data collection

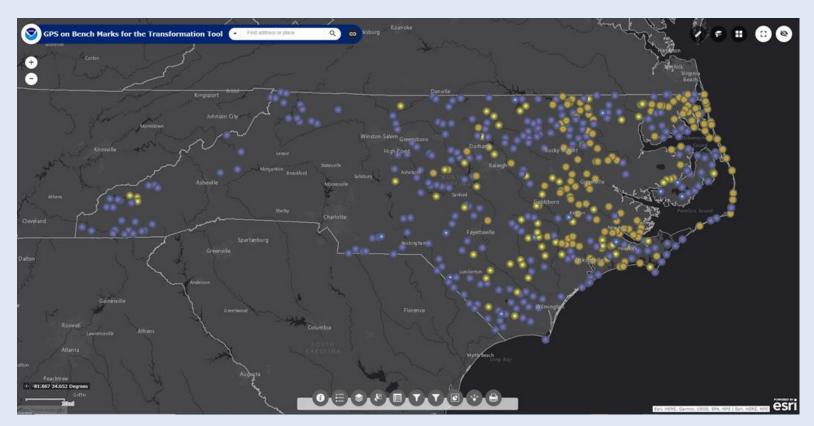








2021 (status as of 3/31/2022)

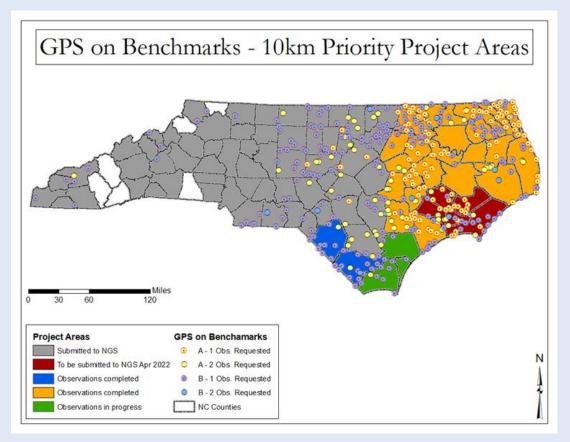








Projects in progress

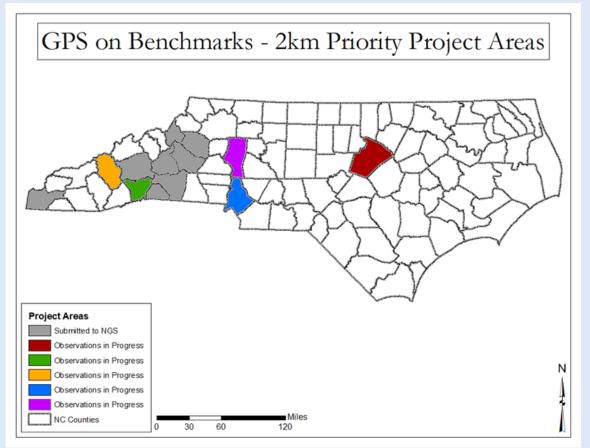








Projects in progress

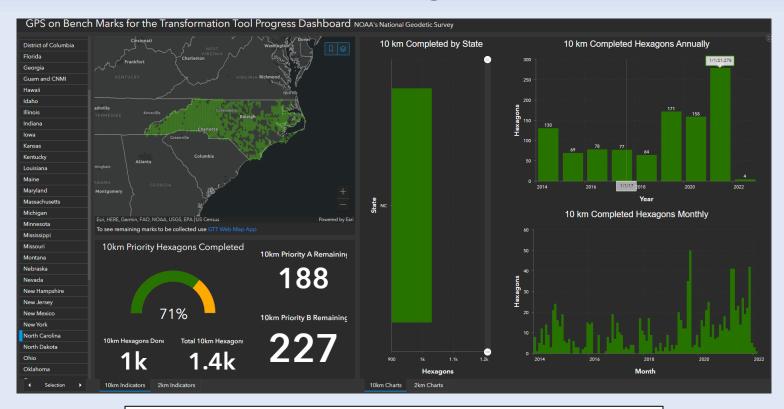








### North Carolina's Progress Dashboard



#### GPS on BenchMarks

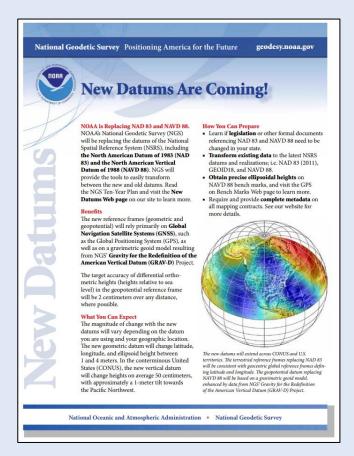
\*\*\* NOTICE: NGS has extended the December 31, 2021 cut-off date for GPS on Bench Mark submissions! The new cut-off date to submit GPS on Bench Mark data for use in the 2022 Transformation Tool is now December, 31, 2022. \*\*\*







# New Datums are Coming! 2024- 2025



Draft revisions to North Carolina General Statute 102 is being developed





