NCDIT | NORTH CAROLINA DEPARTMENT OF INFORMATION TECHNOLOGY

Division of Broadband and Digital Equity

CAB MAPPING WEBINAR FOR COUNTIES

DEC. 4, 2023

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BROADBAND DATA AND MAPPING LEAD
BROADBAND INFRASTRUCTURE OFFICE

TOPICS TO COVER TODAY

1. CAB Program Updates
2. Broadband Funding Map / Protected Areas
3. CAB Planning Tool and CAB Eligible Locations
4. Protest Process for CAB
5. Submission of Data through AWS Folders
6. County Prioritization of Areas for CAB
7. Broadband Provider Project Areas for CAB Scopes of Work
8. CostQuest Licenses

CAB PROGRAM UPDATES

Prequalification of Broadband Providers

- Awards for Broadband Expansion and Access RFP
  - Prequalified Providers eligible to participate in CAB
  - Finalizing Convenience Contract
  - NCDIT will share with counties the list of broadband providers eligible to participate
- Other providers can participate in Funded Area data and Protest process

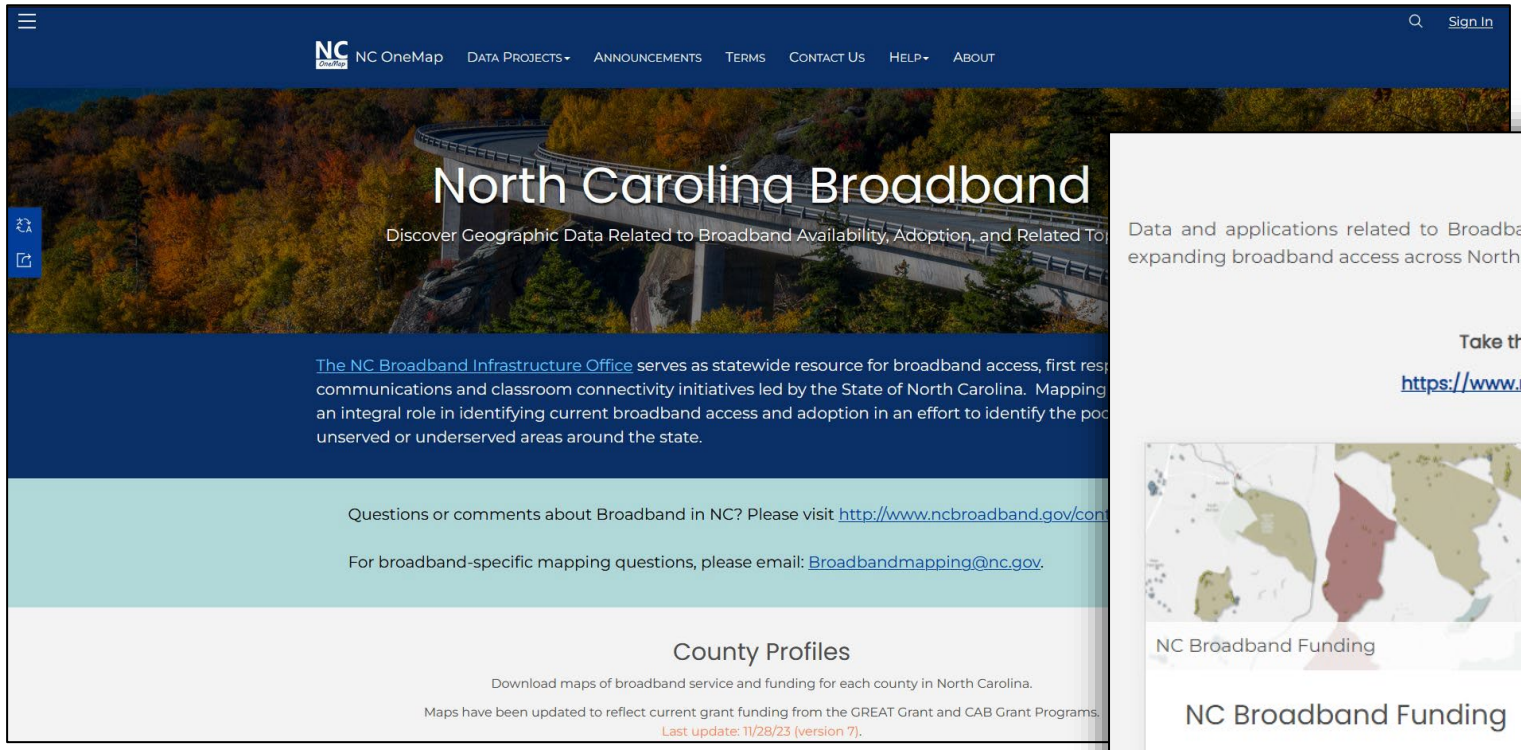
CAB PROGRAM UPDATES

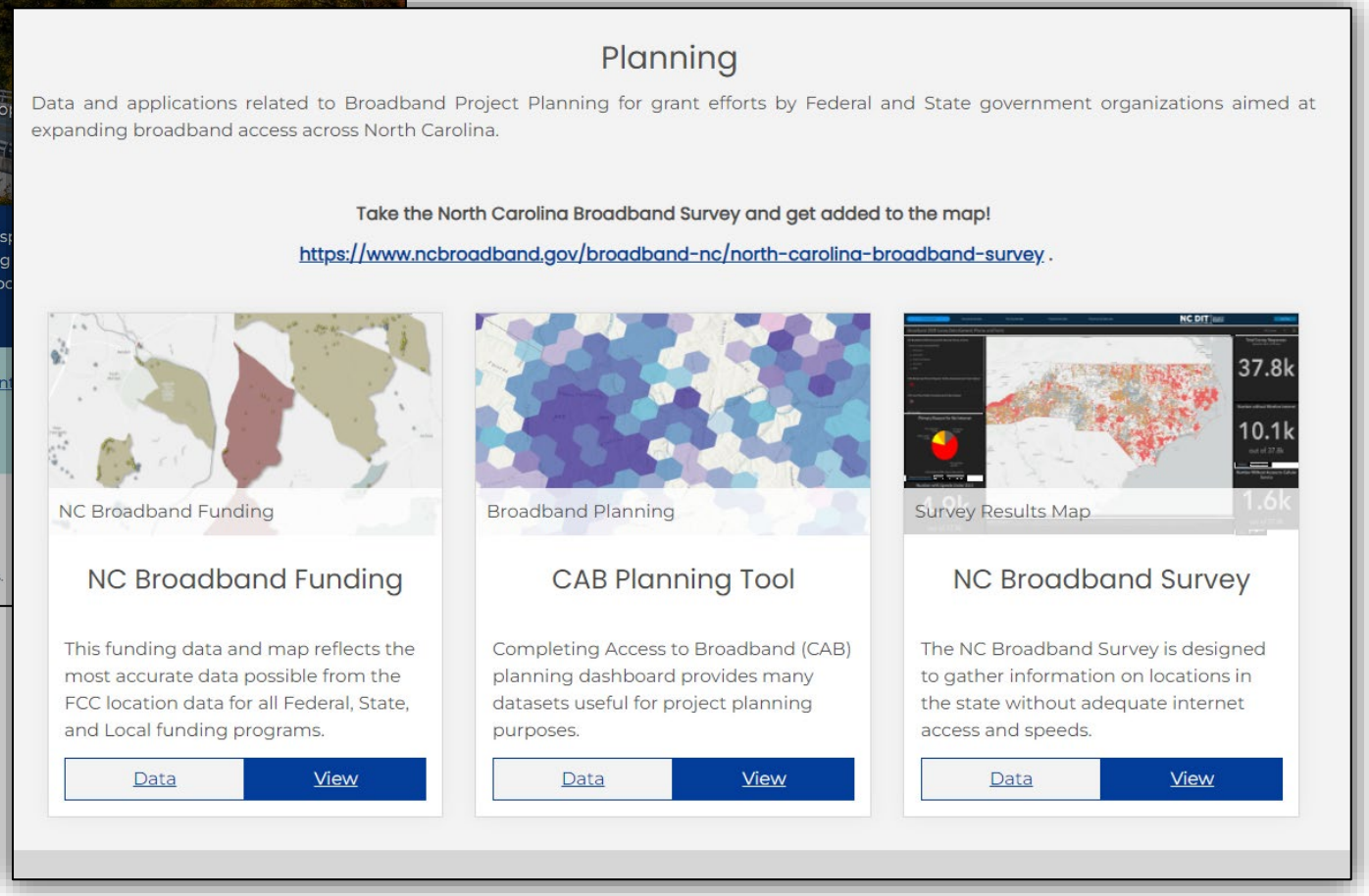
NCDIT/County Collaboration Process

Preparation for Procurement Process

- County Commitment Form with “up to” amount and source of funds
- County-Level Scope of Work and Evaluation Criteria
- Identification of Eligible Locations and Prioritization of Areas
- Selection of Evaluation Team Members

NC ONEMAP BROADBAND PAGE

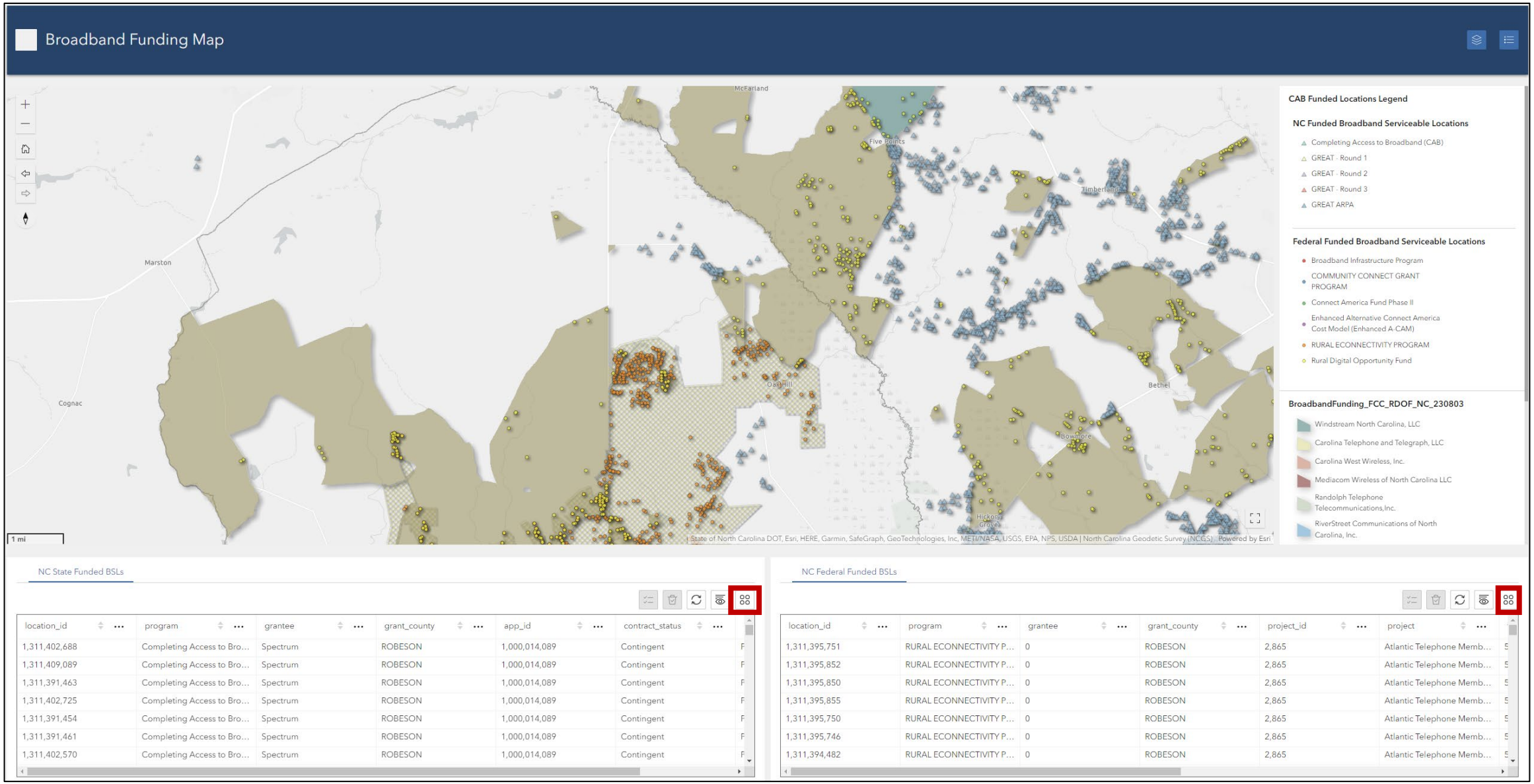




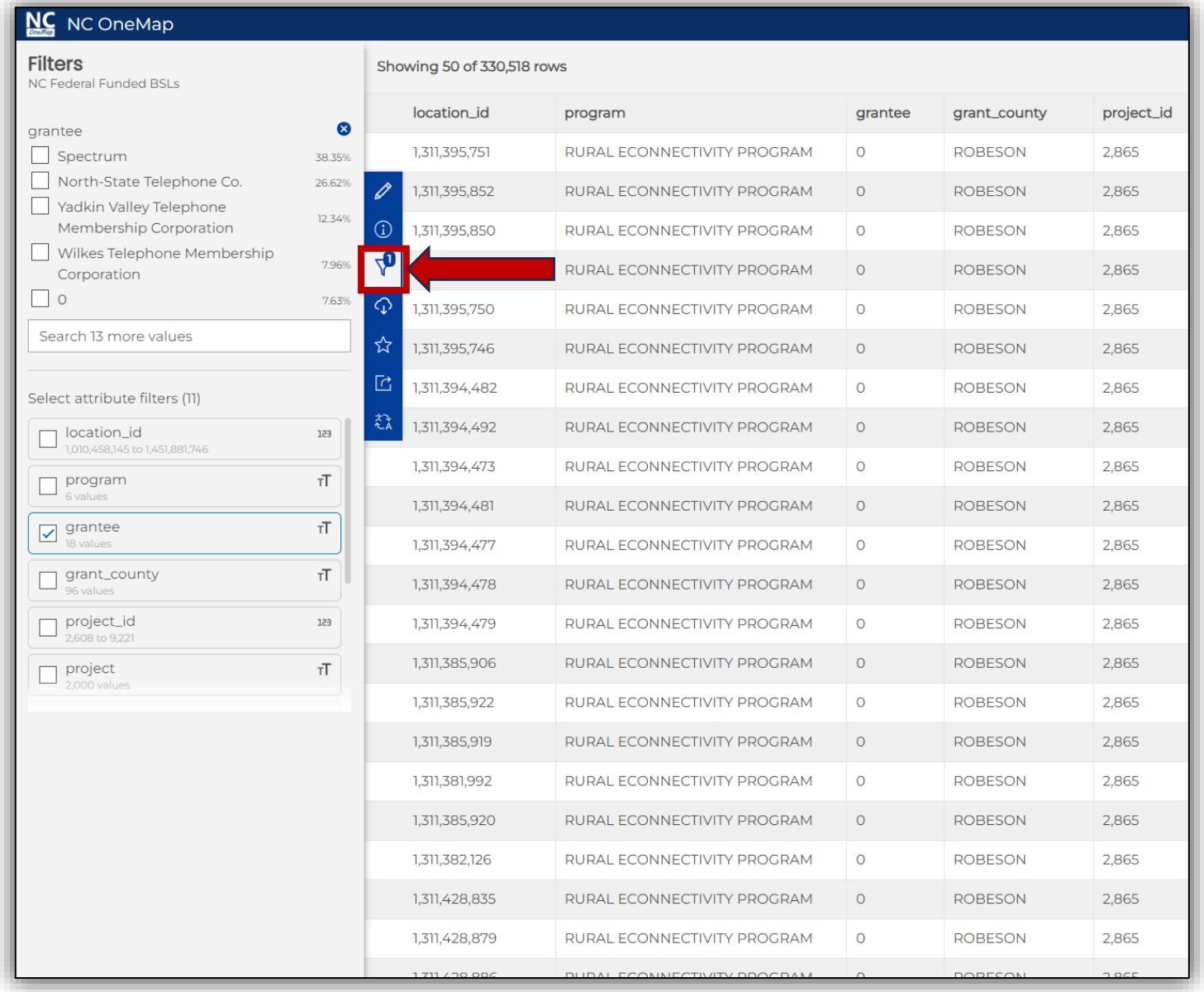
nconemap.gov/pages/broadband

NCDIT North Carolina Department of Information Technology

BROADBAND FUNDING MAP



BROADBAND FUNDING MAP



Federal or State Funded Location Download Options

- Filter by:
  - County
  - Program
  - Grantee
  - Project ID

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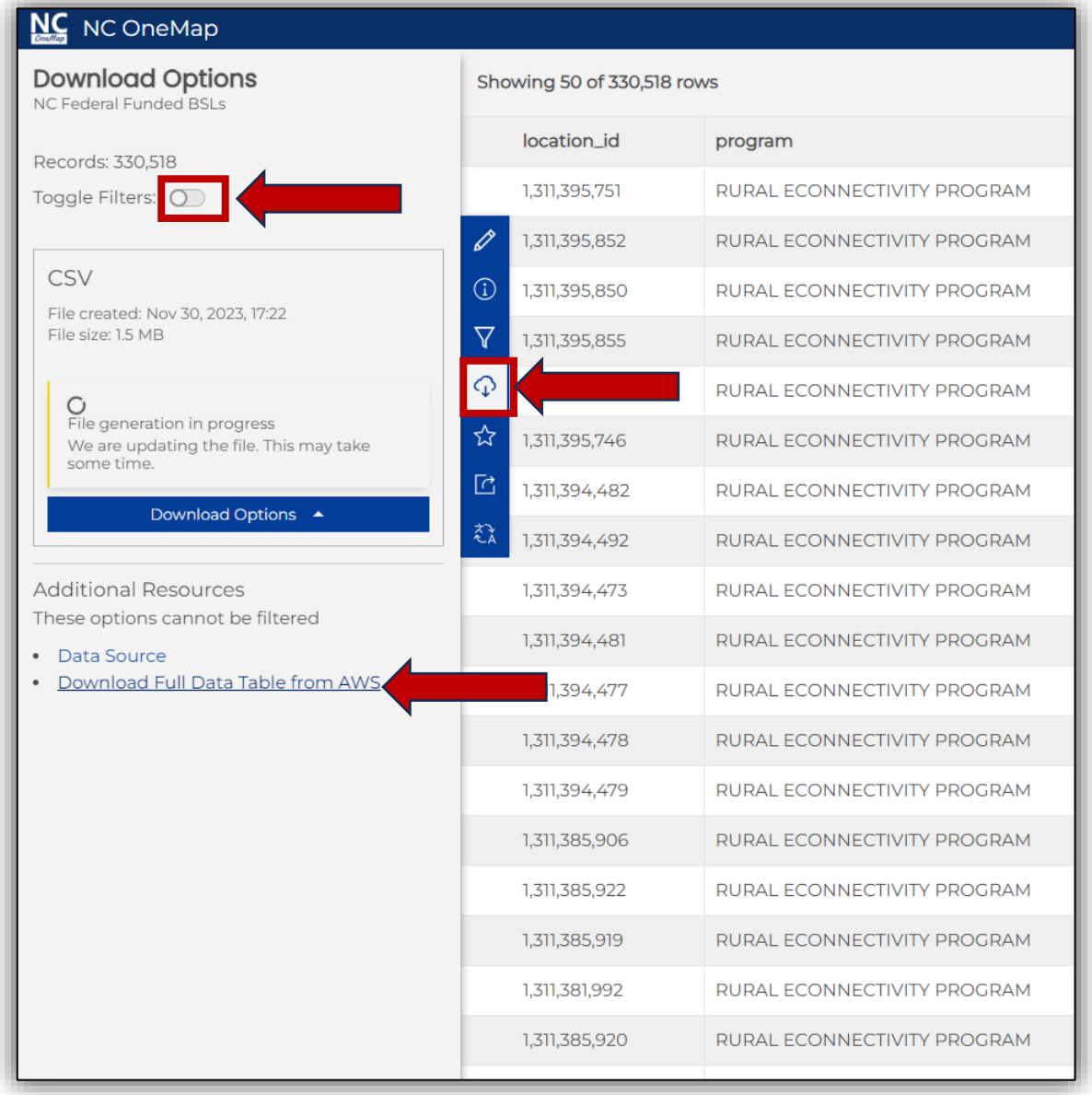
BROADBAND FUNDING MAP



Federal or State Funded Location Download Options

- Once data is filtered, download subsets of the data to CSV file format
- Includes Location ID field from FCC/CostQuest location data
- Will need CostQuest license to map the locations locally

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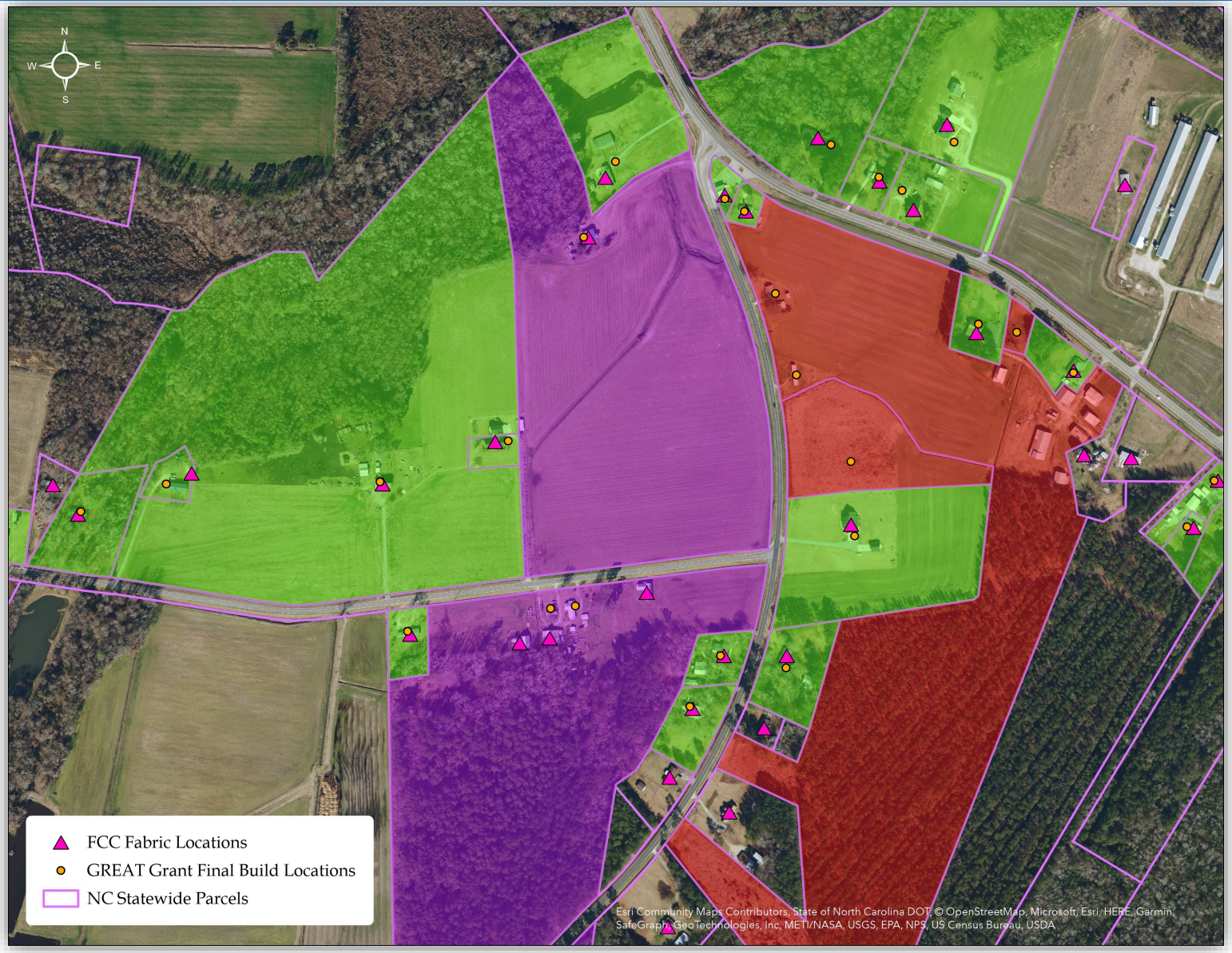
NC Grant Crosswalk

Moving Past Awards into FCC Location Fabric



GREAT Grant Rounds 1 and 2
(2018 – 2019)

- Validated build location data intersected with parcels
- Version 3 of FCC Broadband Serviceable Locations selected for the corresponding parcels
- Varying degrees of matches between award data and fabric locations
- Some instances of multiple award locations correlating to one fabric location
- Some instances where an award location has no corresponding fabric location

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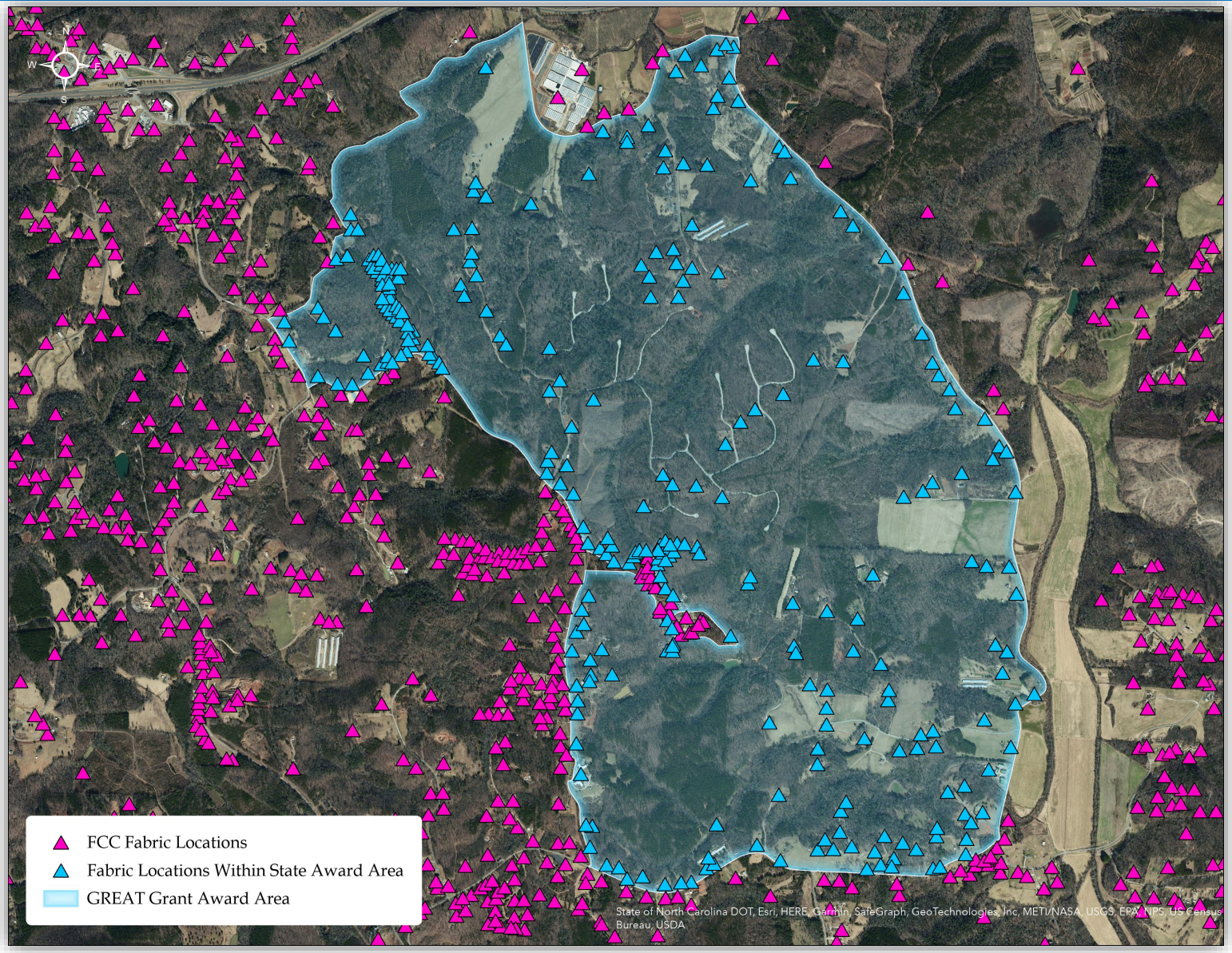
Moving Past Awards into FCC Location Fabric



GREAT Grant Rounds 1 and 2
(2018 – 2019)

- Award polygon data intersected with parcels when final builds have not been submitted and validated
- Version 3 of FCC Broadband Serviceable Locations selected for the corresponding census blocks and polygons

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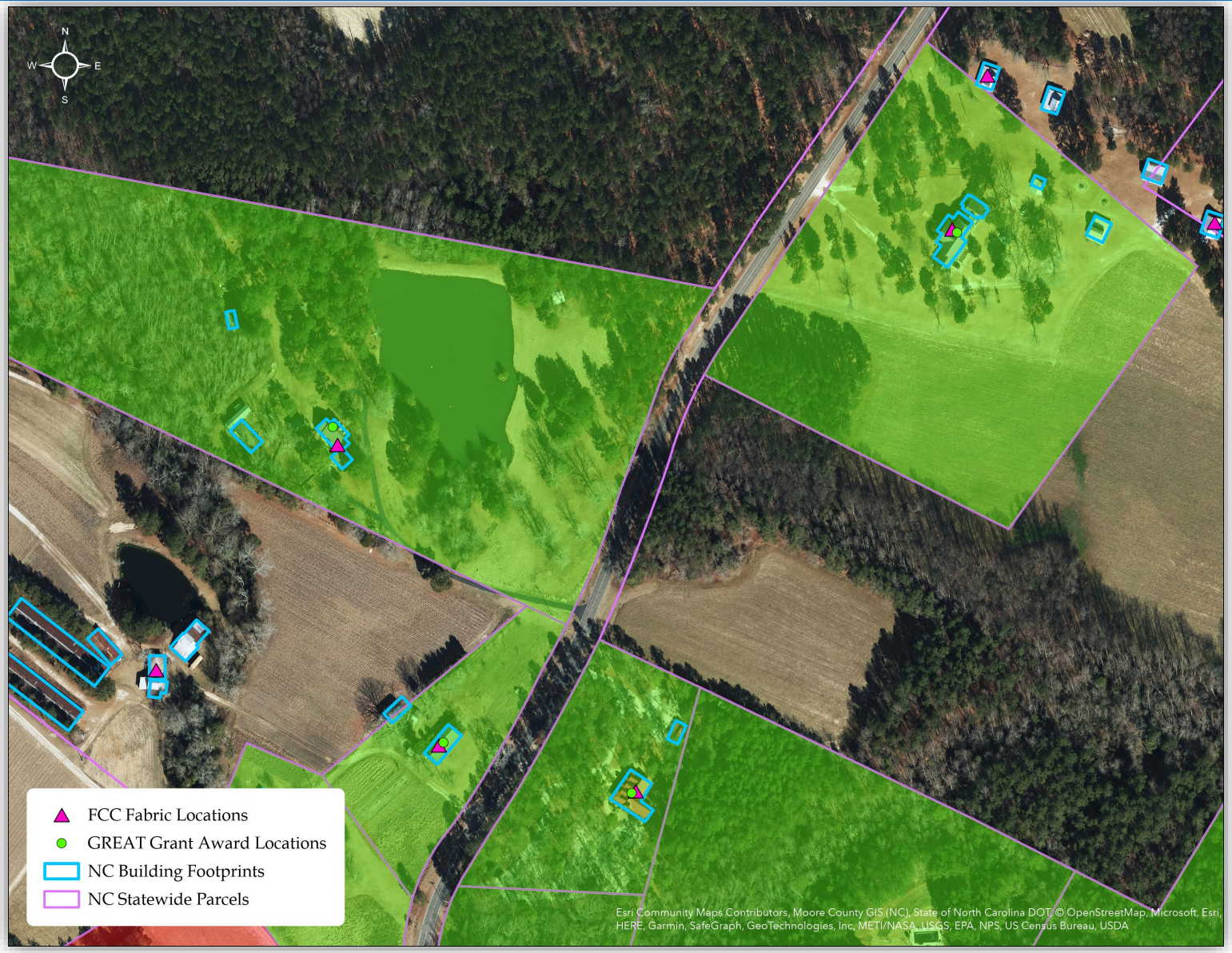
NC Grant Crosswalk

Moving Past Awards into FCC Location Fabric



GREAT Grant Rounds 2, 3, and ARPA-funded (2019 – 2023)

- Award location data intersected with parcels
- Version 3 of FCC Broadband Serviceable Locations selected for the corresponding parcels

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NC Grant Crosswalk

Moving Past Awards into FCC Location Fabric

GREAT Grant Rounds 2, 3 and ARPA funded (2019 – 2023)

- Varying degrees of matches between award data and fabric locations
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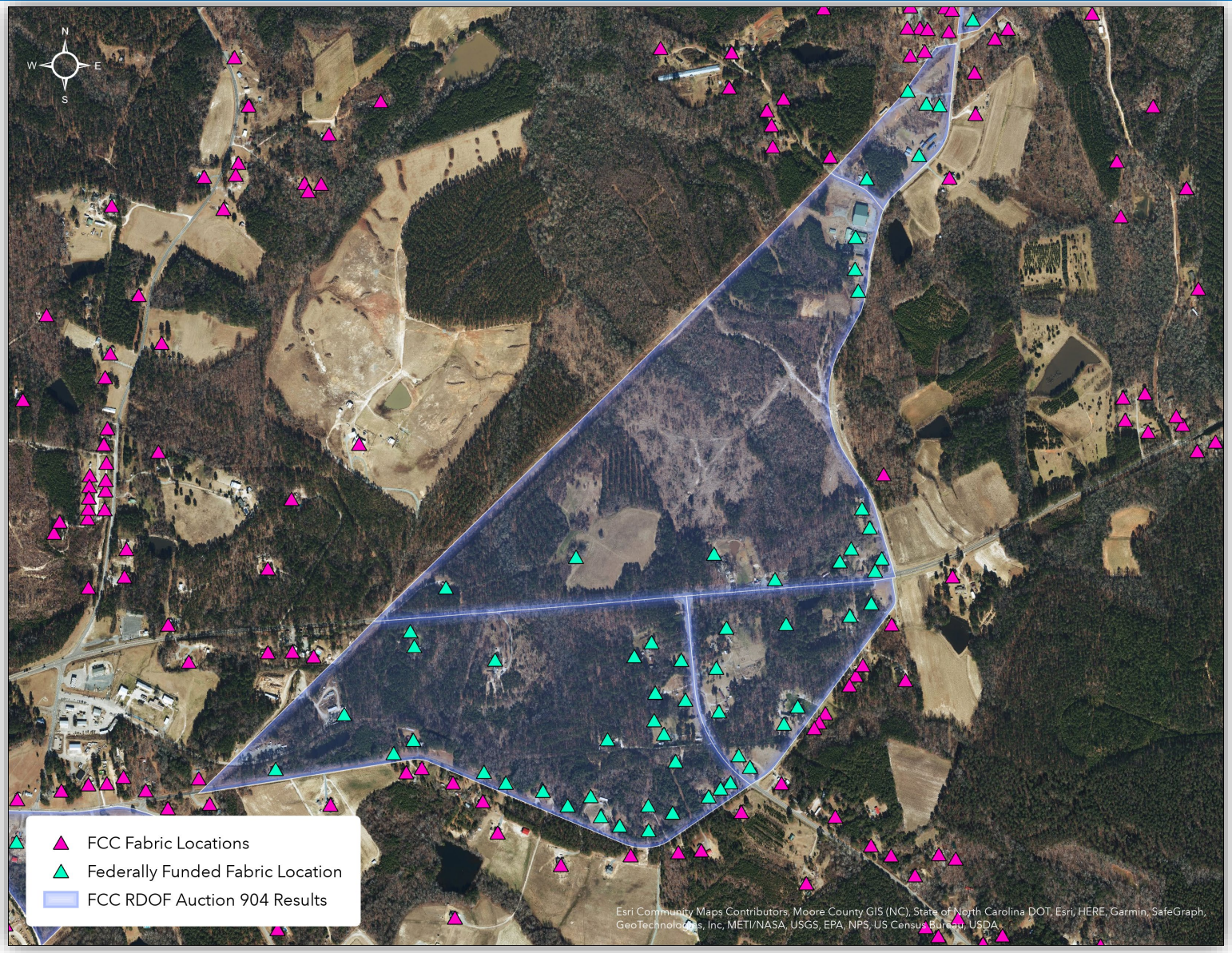

Federal Awards

- Award Areas downloaded from FCC Broadband Funding Map: fundingmap.fcc.gov/home
- FCC Fabric Locations selected that intersect award polygons
- Focus on Unserved and Underserved Fabric Locations from version 3 of the FCC Broadband Data Collection

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CAB PROTECTED AREAS INPUT FROM PROVIDERS

- Broadband Infrastructure Office seeking data on:
  - Any corrections needed to the protected areas based on crosswalk
  - Any locally-funded areas that should be protected
  - Any locations inside known protected areas that are outside of scope for that funding program and therefore still un/underserved
- Seeking CSV files with Broadband Serviceable Location (BSL) location IDs and additional fields, and supporting documentation
- Files to be submitted online via secure upload
- CSV template and further details will be provided

CAB PLANNING TOOL

NC Completing Access to Broadband (CAB) Planning Tool

County Filter:
ALL COUNTIES

NC Broadband Grant Addresses (ARPA Funded)

NC Broadband Grant Addresses

Funding Program - Contract Status

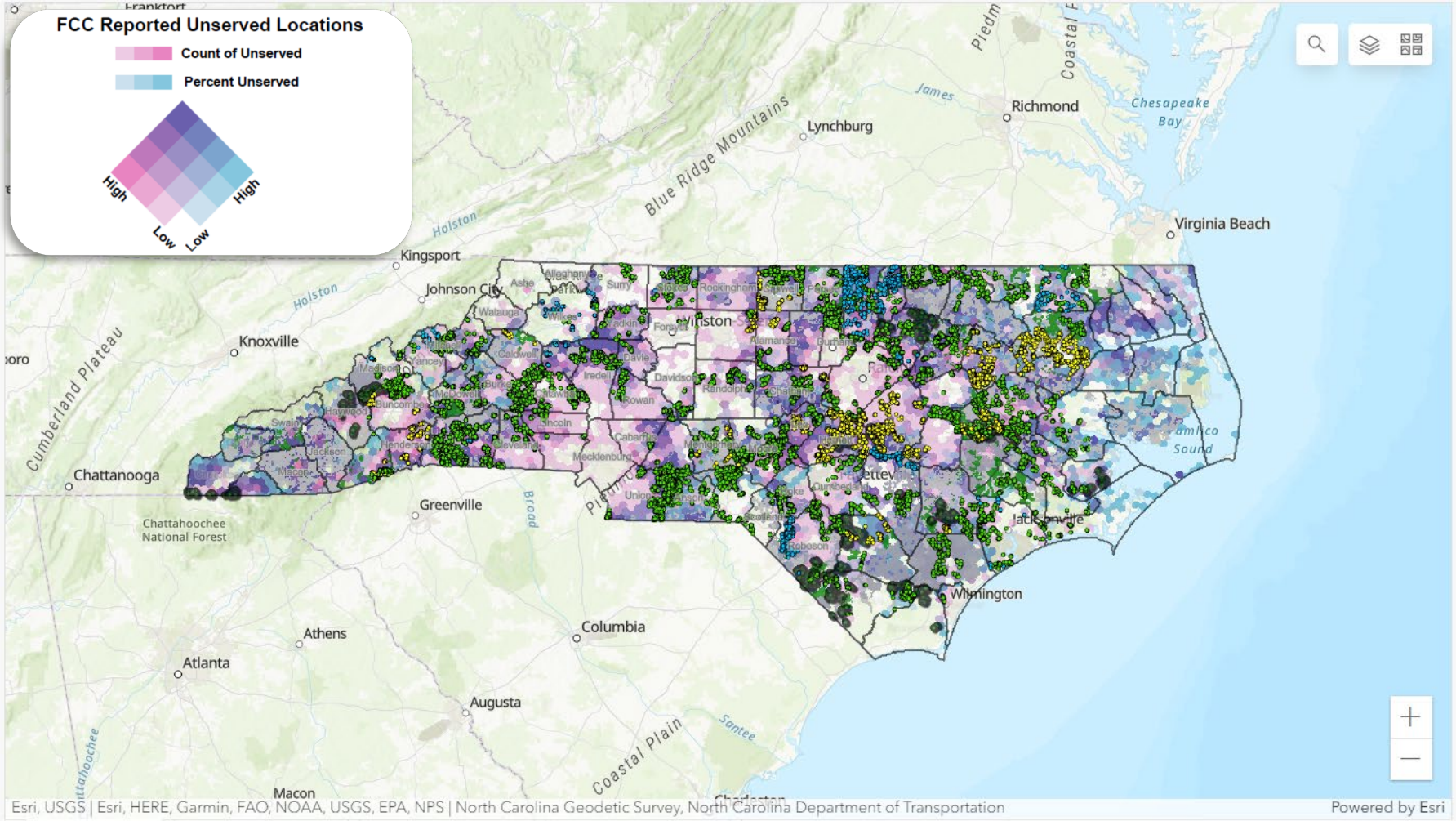
- GREAT - Contracted Project
- GREAT - Contingent Project
- CAB - Contingent Project

GREAT Grant Awarded Areas and Address Locations 2018-20220

Great Grant Award Addresses

For detailed instructions for this tool and additional information on the data included in this map, use the NC CAB Planning Tool Help.

Filter by county using the dropdown in the upper right corner of this dashboard. Once a county filter has been



UNSERVED | UNDERSERVED | SERVED - FIBER | SERVED - CABLE | SERVED - FIXED WIRELESS

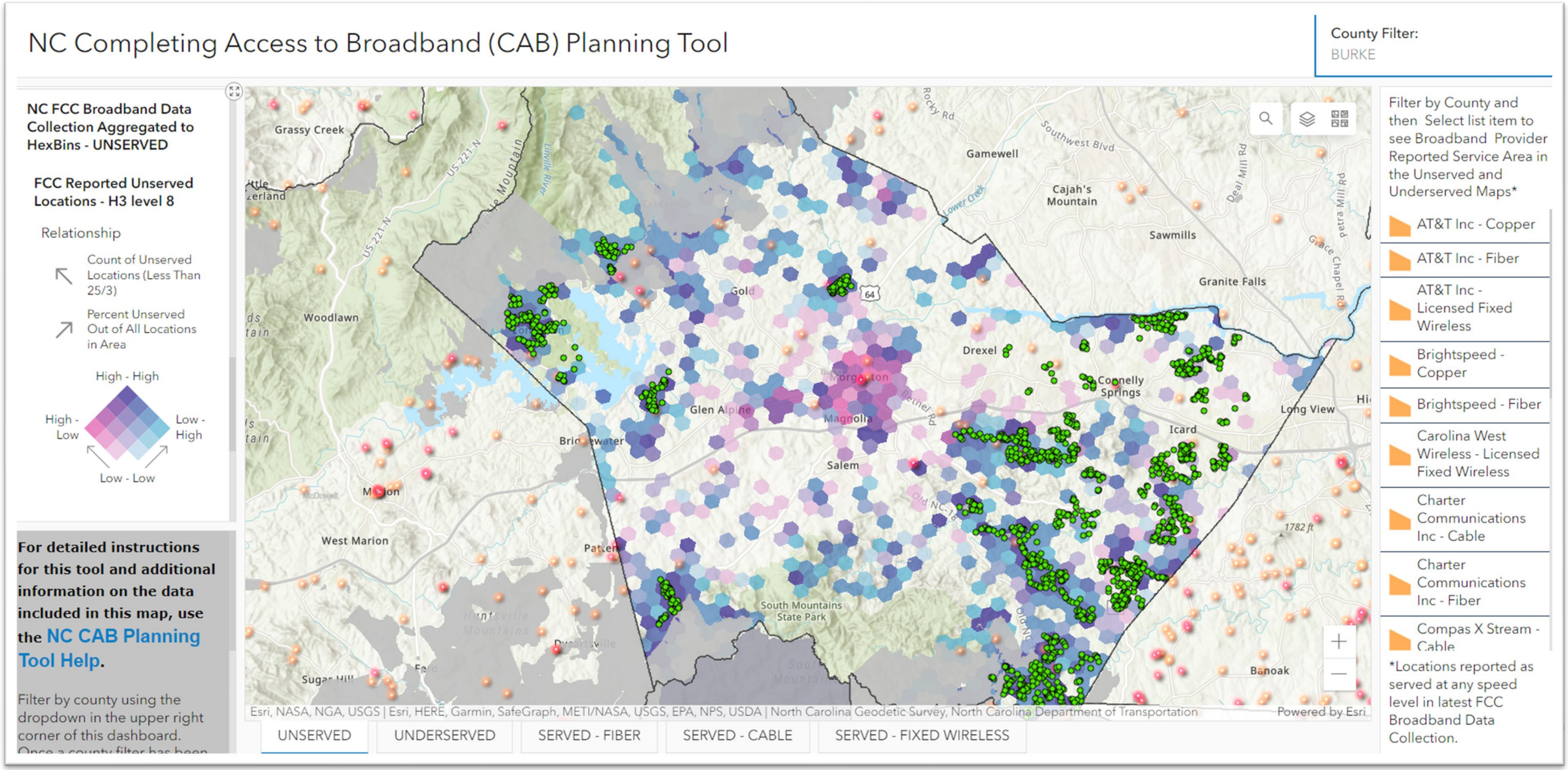
Filter by County and then Select list item to see Broadband Provider Reported Service Area in the Unserved and Underserved Maps*

Selection required on one or more elements

*Locations reported as served at any speed level in latest FCC Broadband Data Collection.

NC Broadband Profile

Defining Eligible Project Areas



DATA MODIFICATIONS

- FTTH: served where speeds meet or exceed thresholds
- Cable: served where speeds meet or exceed thresholds
- DSL: unserved (consistent with ARPA-funded GREAT grant)
- Unlicensed Fixed Wireless: unserved (consistent with ARPA-funded GREAT grant and BEAD)
- Licensed Fixed Wireless:
    - Over Mobile Networks: unserved (consistent with ARPA-funded GREAT grant)
    - Over traditional fixed wireless networks: underserved
    - Licensed By Rule: unserved

PROTEST PROCESS FOR CAB

- Two-step protest process for internet service providers:
  - Submissions regarding statewide eligible locations prior to CAB program launch
  - Submissions regarding eligible locations within a county prior to procurement window for that county
- Submit CSV file of BSL location IDs, additional fields about proposed corrections, and supporting documentation
- CSV template will be provided
- Providers alerting us to any areas already served today that may still be showing as unserved and eligible in CAB Planning Tool
  - Buildout more recent than available FCC data
  - Errors or unintentional omissions
  - Does not include planned service

CAB Data Exchange

Secure Cloud Folders for Sending Data Files

- Amazon Web Services “buckets”
- ISPs and counties will each have private folder
- Shared resources folder
- Data contacts identified by county leadership and internet providers
  - Send data contact’s name, email and phone number to broadbandmapping@nc.gov
- Secure credentials issued to each ISP data contact
- Upload files securely from browser
- Instructions will be provided

amazon web services™ | S3

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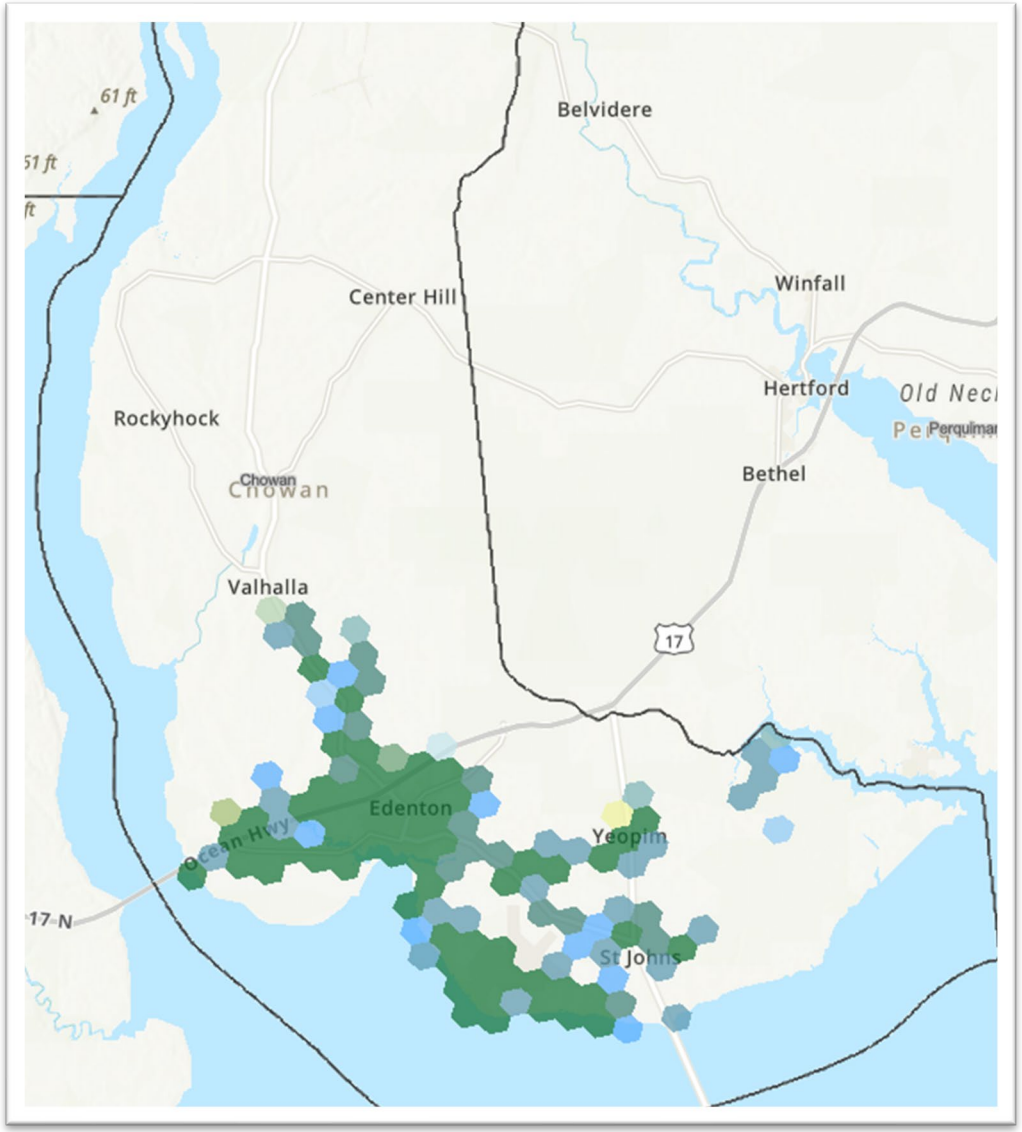
CAB COUNTY PRIORITY AREAS

- Created by counties in partnership with Broadband Infrastructure Office
  - Eligible locations countywide prioritized equally if no county input
- Will define Scope of Work for each county
- Downloadable CSV file indicating prioritized BSL location IDs
- Will be publicly displayed in CAB Planning Tool Map
- Level 8 H3 Hexagons



CREATING CAB COUNTY PRIORITY AREAS

- CSV file of BSL location IDs OR hexagons of interest OR narrative describing priority areas
- CSV template will be provided
- Instructions will be provided
- Hexagons map layer will be provided for download
- Will be displayed as H3 hexagons for public and non-licensed stakeholders
- County approval to finalize priority areas

ISP PROPOSED CAB PROJECT AREAS

- CSV file of BSL location IDs and proposed service information
- CSV template will be provided
- Instructions will be provided
- Will be aggregated to H3 hexagons for public and non-licensed stakeholders
- Hexagons map layer will be provided for download
- Advantageous to reach as many eligible BSLs within county prioritized scopes of work as possible
- Advantageous to reach all unserved and underserved in as many hexagons as possible

CostQuest Licenses

Required for Using BSL Fabric for CAB Program

- Next webinar - **Thursday, Dec. 7 at 11 a.m.**
- Tier D licenses for internet service providers
- Tier E licenses for participating counties
- Purpose: allowable uses of Broadband Serviceable Location data for ARPA, BEAD, other federally-funded work
- Will cover steps to obtain licenses
- Will cover how licensees can use data

CQA CostQuest Associates

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NEXT STEPS AND QUESTIONS

- Updates to CAB Program Guidance document at ncbroadband.gov/CAB
- Distribution of email to providers on funded areas (and collection of data adjustments)
- Finalizing CAB Eligible Locations Map and opening of statewide protest process
- CAB Webinar on programmatic updates – Monday, Dec. 18
- Please submit mapping questions to broadbandmapping@nc.gov and program questions to CABprogram@nc.gov