



# **GREAT Grant Location Data**

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# Agenda

- Opening and Purpose
- Data Files and Crosswalk Methodology
- GREAT Grant Agreement
- Q & A - (FAQs to be published as needed)

# Purpose and Context

- GREAT grant projects defined in AddressNC data set
- Projects have to be recognized as Broadband Serviceable Locations (BSLs) for reporting purposes (U.S. Department of the Treasury and Federal Communications Commission)
- As we work to validate these projects and final builds, need to standardize certification process and streamline review process for validating final locations
- Need to recognize one set of BSLs for each project
- Need to add this file into the GREAT grant agreements
- Will allow providers to report to NCDIT in BSLs

*This update does not change the address dataset in the grant agreement but is defining the BSLs that spatially match to these addresses*

*Final location counts and household/business designations may be different in the BSL dataset*




# Process

- Center for Geographic Information & Analysis (CGIA) developed BSL file for each project
- Grant management team uploaded files into EBS
- December 5 email to GREAT grantees:
  - Referenced Excel file containing Location IDs for BSLs for each project (uploaded into EBS)
  - Provided crosswalk methodology
  - Notified grantees of today's webinar
  - Offered consultation hours
- After coordination with each grantee on BSL files, will distribute GREAT grant amendments

# Data Files

1. Location IDs resulting from crosswalk into version 5 of FCC Broadband Serviceable Location (BSL) Fabric (1 file per project)
2. Residential and Business designations from BSL land use codes:
  - Residential and Mixed Use = Residential
  - All Other codes = Business
3. Broadband Access Field for build reporting when submitting progress reports

File Naming Convention: ISPName\_Agreement#\_County\_BSLv5\_GREAT.xlsx



location_id	unit_count	location_type_code	program	grantee	grant_county	provider_id	max_download_speed_offered	max_upload_speed_offered	techtype_proposed	fcc_rel	broadband_access
9876543210	2	Business	GREAT ARPA	ProviderZ	CountyA	999999	100	100	50	6302024	
9876543211	1	Business	GREAT ARPA	ProviderZ	CountyA	999999	100	100	50	6302024	Yes
9876543212	1	Business	GREAT ARPA	ProviderZ	CountyA	999999	100	100	50	6302024	No
9876543213	1	Business	GREAT ARPA	ProviderZ	CountyA	999999	100	100	50	6302024	
9876543214	1	Residential	GREAT ARPA	ProviderZ	CountyA	999999	100	100	50	6302024	
9876543215	1	Business	GREAT ARPA	ProviderZ	CountyA	999999	100	100	50	6302024	
9876543216	1	Residential	GREAT ARPA	ProviderZ	CountyA	999999	100	100	50	6302024	
9876543217	1	Business	GREAT ARPA	ProviderZ	CountyA	999999	100	100	50	6302024	

# Crosswalk Methodology

## Datasets:

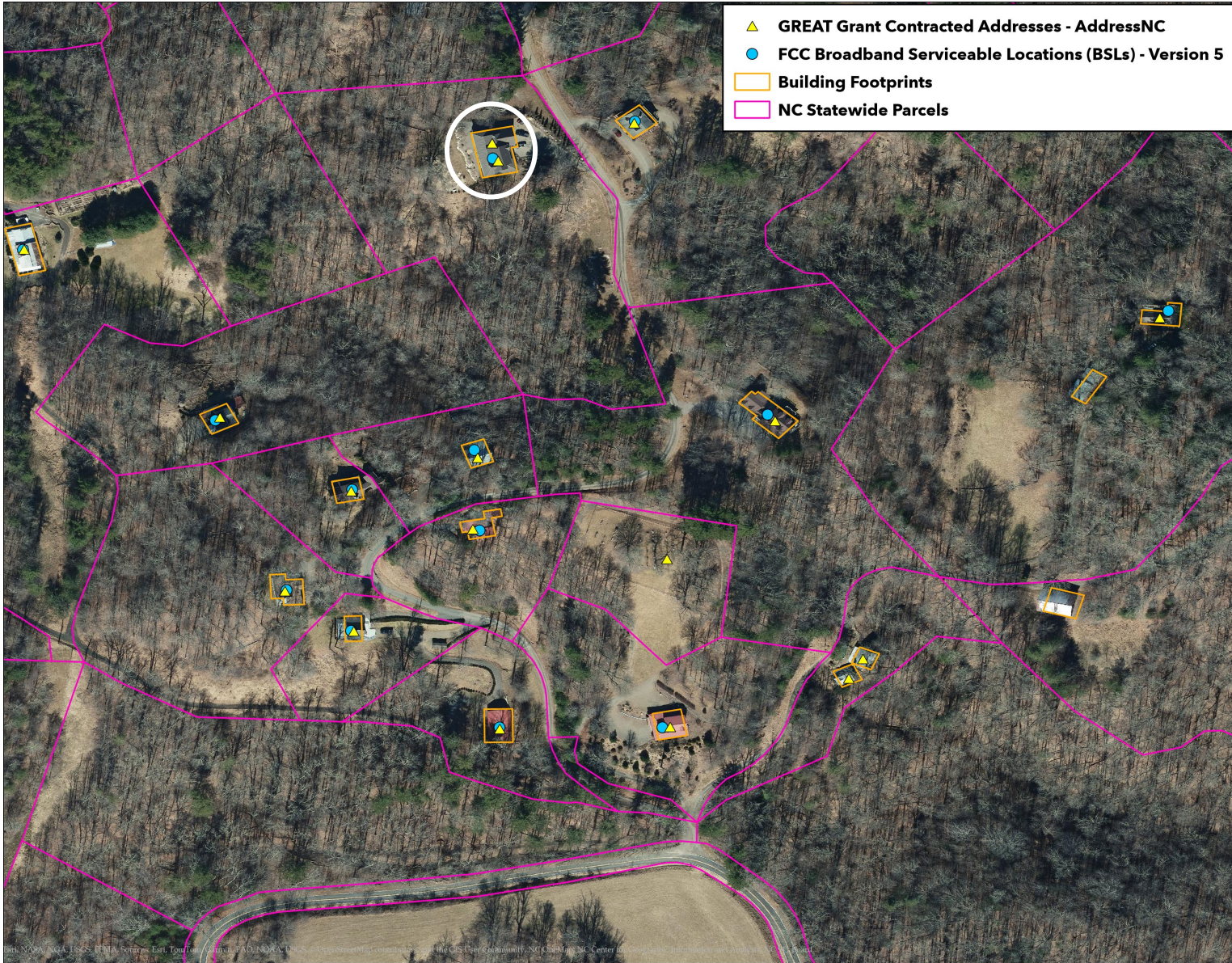
- **AddressNC** – statewide addressing project that leverages data coming from the NC 911 Board's NextGen 911 system that compiles addresses from every Primary Safety Answering Point in the state
  - Used for original GREAT grant contracted locations
- **FCC Broadband Serviceable Location (BSL) Fabric** - Targeted location dataset representing locations that can be served by mass-market internet service
  - Used to report project status to U.S. Department of the Treasury for all ARPA funded projects
- **NC Emergency Management Building Footprints** - the outline or area of a structure compiled by NCEM for purposes of disaster response and flood mitigation
- **NC CGIA Statewide Parcels** - data on property boundaries aggregated at least once per year by CGIA from local and county government land records offices

# Crosswalk Methodology

1. Spatial join the both the AddressNC project locations and the BSL data to the [statewide building footprint data](#) to obtain footprint ID field value if the address or BSL intersected a building
2. Use the common footprint ID fields to match addresses to BSLs that fall within the same building footprint
  - Unmatched addresses are exported and used in the next step
3. Spatial join unmatched addresses from above for each project and the BSL data to the [statewide parcel data](#) to obtain parcel ID field values
4. Use the common parcel ID fields to match addresses to BSLs that fall within the same parcel boundary
  - Matched BSLs from both steps 2 and 4 are merged to represent cross-walked project locations in BSLs



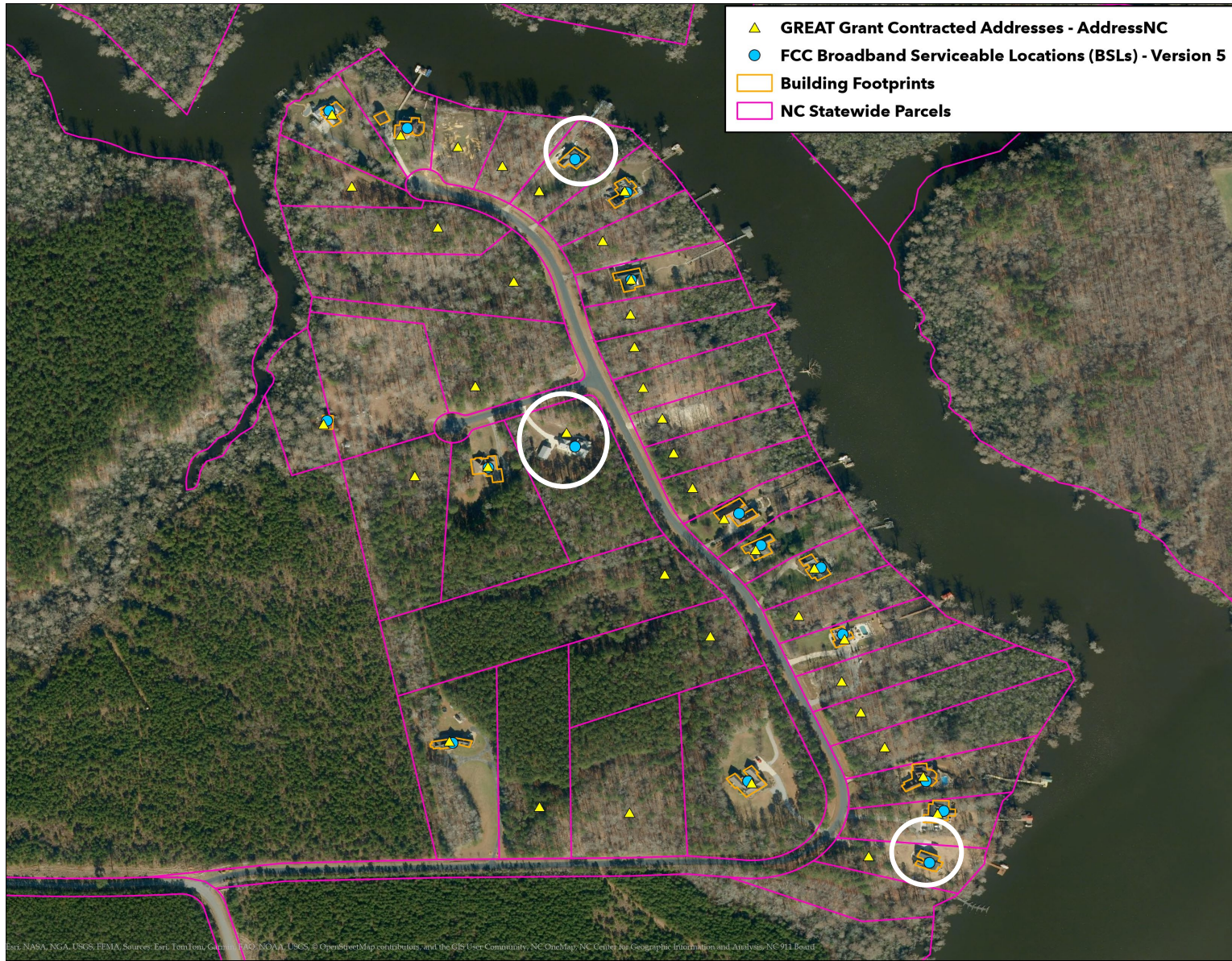
# Crosswalk Methodology



- 17 Example Addresses
- 13 Resulting BSLs
  - 13 Matched using building footprints
- 4 Unmatched Addresses
  - Multi-unit structures (circled) are attributed in BSL units field instead of multiple points as in the AddressNC data



# Crosswalk Methodology



- 39 Example Addresses
- 17 Resulting BSLs
  - 14 Matched using building footprints
  - 3 Matched using parcel (circled)
- 22 Unmatched Addresses

# Mapping Office Hours

- 30-minute meeting slots available for booking time with CGIA to discuss:
  - Project-specific questions
  - Crosswalk methodology
- Availability:
  - 12/18 - 1PM – 4PM
  - 12/19 - 9AM – 12PM
  - 12/22 - 1PM – 4PM
  - 12/23 - 9AM – 12PM

# GREAT Grant Agreement

- All executed agreements committed to providing broadband access
- The number of households and businesses each provider committed to in the GREAT grant program factored in the scoring matrix criteria
- This update does not change the address dataset in the grant agreement but is defining the BSLs that spatially match to these addresses
- This additional dataset allows us to have a consistent reporting tool to the U.S. Department of the Treasury and what providers are reporting to the FCC
- **Must incorporate the BSL data file and updated location count in the GREAT grant agreement via contract amendment**
- BSL data file was provided in the “Attachments” section in the EBS Agreement  
ProviderName\_GrantAgreementNumber\_CountyName\_BSLv5\_GREAT.xlsx



# GREAT Grant Agreement


The following sections in the agreement will be amended:

- Repayment Requirements section
- Exhibit B – stated number of locations
- Exhibit I – Map and reference to the BSL file
- Amendment will not change the grant amount unless locations will not have broadband access as result of this project. The office will have to evaluate each rationale on why a BSL will not be served
- BSL file is the only acceptable file for certifying broadband access



# Data Files

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## Next Steps

- Review the BSL datafile
- Schedule time during the Mapping Office Hours with specific questions about the BSL datafile for the project(s)
- Identify any concerns or issues with the file in writing
- Submit identified issues to [greatgrant@nc.gov](mailto:greatgrant@nc.gov) and copy grant manager and George T. Collier ([george.collier@nc.gov](mailto:george.collier@nc.gov)) by Jan. 9, 2026
- Beginning in January 2026, amendments incorporating the BSL dataset and other administrative updates to the contract will be sent to grantees and county partners, if applicable
- Email summarizing the full scope of the amendments will be sent the week of Dec. 15



**Questions?**

# Resources



# Schedule a Consultation

- We are providing office hour consultations for you to discuss any specific data questions with our CGIA mapping team
- To reserve a time, please click on the link below and select one 30-minute timeslot from the available offerings
- Once you have selected a time, the slot will not be available for anyone else to schedule

**[SCHEDULE A CONSULTATION](#)**



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