

Address NC:

Project Status

Statewide Mapping Advisory Committee
October 11, 2023

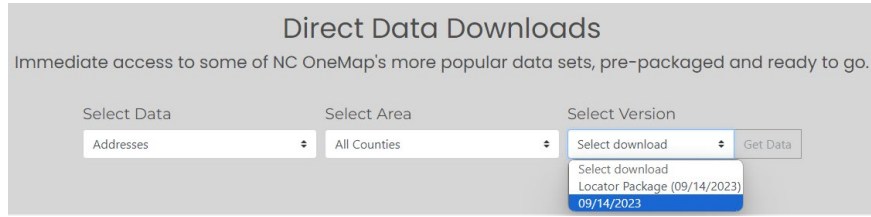


Darrin Smith, Project Manager - CGIA



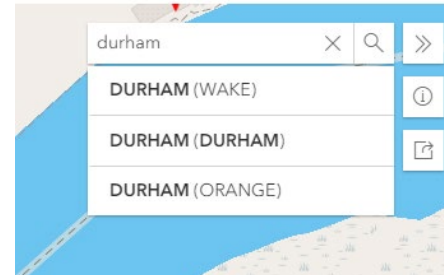
Program Updates

1. NC OneMap current for September



2. Increase of 157,354 or 2.6%

3. Geocoding towns



- **Statewide Municipal Boundaries**



Priority

- **Postal Towns**

4. ESRI What's New

<https://developers.arcgis.com/rest/geocode/api-reference/whats-new-world-geocoding-service.htm>

The screenshot shows the ArcGIS Developer website. The top navigation bar includes 'ArcGIS Developer', 'Documentation', 'Features', 'Pricing', 'Support', and a search icon. Below this is a secondary navigation bar with 'ArcGIS REST APIs', 'Home', 'Ready-to-use', and 'Content management'. A third navigation bar lists various services: 'All', 'Basemap layers', 'Geocoding', 'Routing and directions', 'GeoEnrichment and demographics', 'Elevation and hydrology', 'Spatial analysis', and 'Offline packaging'. On the left, a sidebar menu is open, showing 'Overview', 'Geocoding service', 'What's new' (highlighted), 'Geocode data coverage', 'Requests', and 'Reference'. The main content area is titled 'What's new in the geocoding service' for 'September 2023'. It is divided into three sections: 'Quality Improvements', 'API and service output changes', and 'Reference data updates'. The 'Reference data updates' section contains a list of updates, with the item 'New address data source added for North Carolina, USA.' circled in red.

</> ArcGIS Developer Documentation Features Pricing Support Search

ArcGIS REST APIs Home Ready-to-use Content management

All Basemap layers Geocoding Routing and directions GeoEnrichment and demographics Elevation and hydrology Spatial analysis Offline packaging

Overview
Geocoding service
What's new
Geocode data coverage
> Requests
> Reference

What's new in the geocoding service

September 2023

Quality Improvements

- Numerous bug fixes and quality improvements.
- Support for geocoding addresses without street names in Czechia was added.
- Improved handling of short input (one or two characters) for `suggest` requests.
- Improved language detection to prevent mixed-language output address labels.

API and service output changes

- A new error message - `MagicKey` was not generated from the current release and is no longer valid - now returned for `findAddressCandidates` requests which include an outdated `magicKey` value.
- Output `x,y` coordinate values returned in `reverseGeocode` responses no longer include extraneous decimal places. Output `x,y` coordinate values are now rounded to 12 decimal places.
- Output address labels for `Postal` geocoding candidates enhanced with additional administrative boundary information.

Reference data updates

- New address data source added for Schleswig-Holstein, Germany.
- New administrative boundary data sources added for Iceland and Netherlands.
- New populated places data source added for France.
- New address data source added for North Carolina, USA.
- New address data source added for South Korea.
- Future address data for USA updated.
- HERE reference data updated.
- Additional source data updates provided by the GIS user community through the Community Address program.

Program Updates

5. NC OneMap new inconsistency layers

FEATURE CLASS/TABLE	DESCRIPTION	INCONSISTENCY TYPE
AddressNC_Change_Summary	Summary of inconsistencies and frequencies per county	Report
AddressNC_Address_Input_Output	The Street name has been altered or a street number or name is missing	Locations where standards or inconsistencies are applied. Attributes compare the provided values to the altered values
AddressNC_Address_Pre_Input_Output	Address fields before the street name (e.g. the North in 100 North Main Street)	
AddressNC_Address_Pos_Input_Output	Address fields after the street name (e.g. the Street in 100 North Main Street)	
AddressNC_Boundary_Input_Output	Municipal boundaries (incorporated and unincorporated)	
AddressNC_Building_Input_Output	Building names	
AddressNC_Exception_Input_Output	Geocomm Exception Codes	
AddressNC_Floor_Input_Output	Floor names	
* AddressNC_Null_Input_Output	User provided null values for State and County and Zip or for Towns where spatial overlay dictates otherwise	
AddressNC_Political_Input_Output	County and State names	
* AddressNC_Other_Corporated_Input_Output	Values of Incorporated or Unincorporated for Towns	
AddressNC_Other_Input_Output	All other standards (leading spaces, blanks, nulls, etc.)	
AddressNC_Unit_Input_Output	Unit name	
AddressNC_Zip_Input_Output	Zip name or zip code	
AddressNC_County_Conflicts	County name	Locations where the provided data is in conflict with official state or national boundaries
AddressNC_Municipal_Conflicts	Municipal names	
AddressNC_State_Conflicts	State names	
AddressNC_Zip_Conflicts	Zip name or zip code	Locations compared to parcels
AddressNC_Improved	Parcels with improved value with no address points	
AddressNC_Floaters	Locations outside of parcels	Other
AddressNC_Duplicates	Locations of duplicate addresses either in the MSAG, Zip Code, or coincident geometry	

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