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NC OneMap is a strategic resource providing a collection of authoritative data and web services. It is an organized effort of numerous partners throughout North Carolina, involving local, state, and federal government agencies, the private sector and academia. Search for or browse the data, use it in your applications, analyze it with your tools, or build apps using the APIs.



### The NC OneMap program promotes and supports:

- A commitment to data sharing
- Data discovery and access
- Archiving to preserve long-term access to geospatial data
- Flexible uses: Web services, downloads, restriction free



NC OneMap contains authoritative, well-documented, and regularly updated data provided directly from public sector agencies and utilities.





#### Browse Data by Theme









































#### North Carolina Flood Hazard Area Effective

NCEM - Risk Management | Casey.Buddenbaum\_NCEM\_GIS

North Carolina Effective Flood Areas: In 2000, the Federal Emergency Management Agency (FEMA) designated North Carolina a Cooperating Technical Partner State, formalizing an agreement...

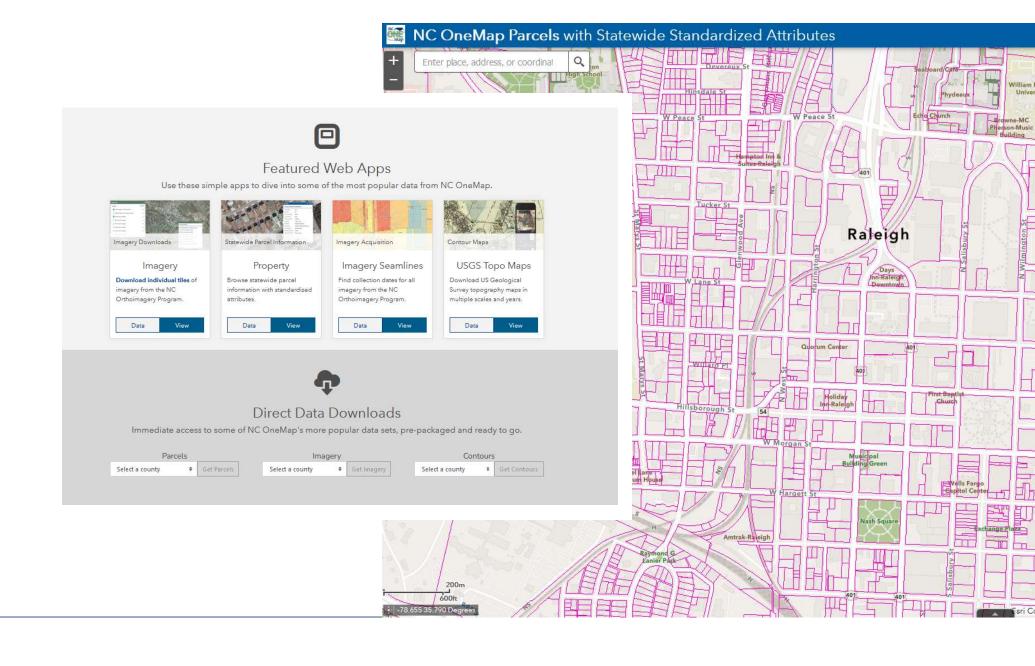
Type: Feature Layer Last Updated: October 26, 2021 Rows: 207,527

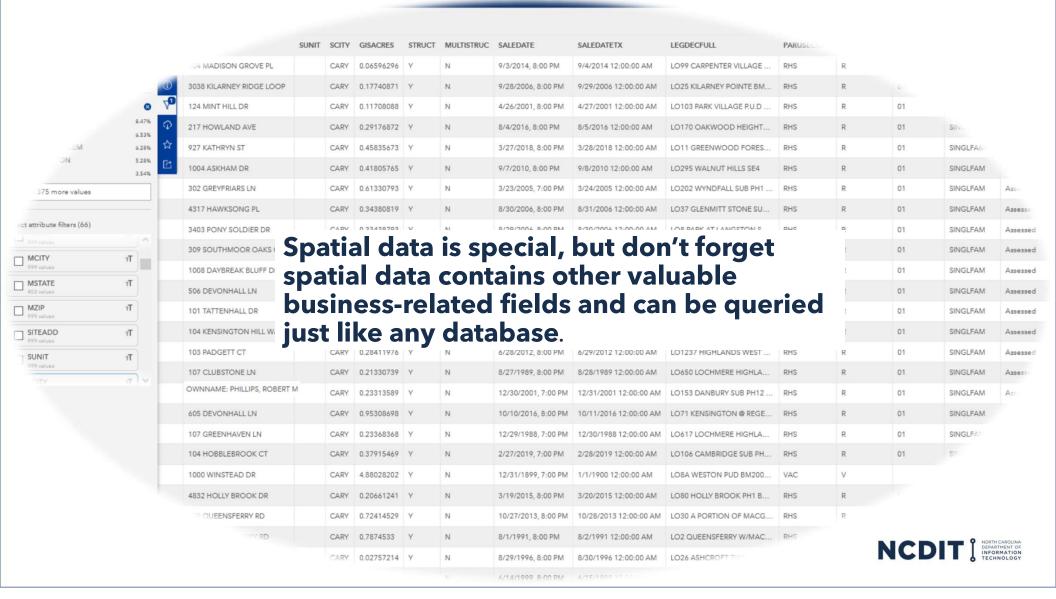
Tags: NC, NCEM, FRIS, North Carolina, FIRM, Flood Insuran...



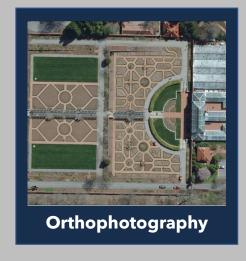
#### **NC Surface Water Supply Watersheds**

NC DEQ - Division of Water Resources, Planning Section, Classifications and Standards Branch | cjventaloro1\_ncdenr

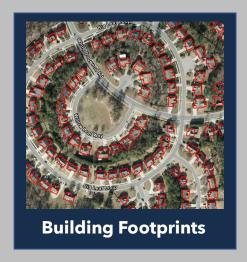


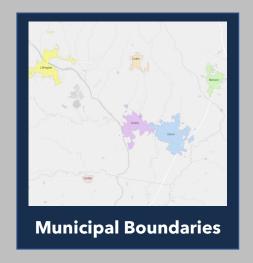


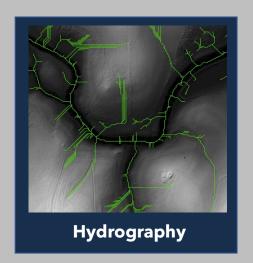














## **Parcels: History**

2008

Working Group for Seamless Parcels 2014

First Release of Transformer

2015

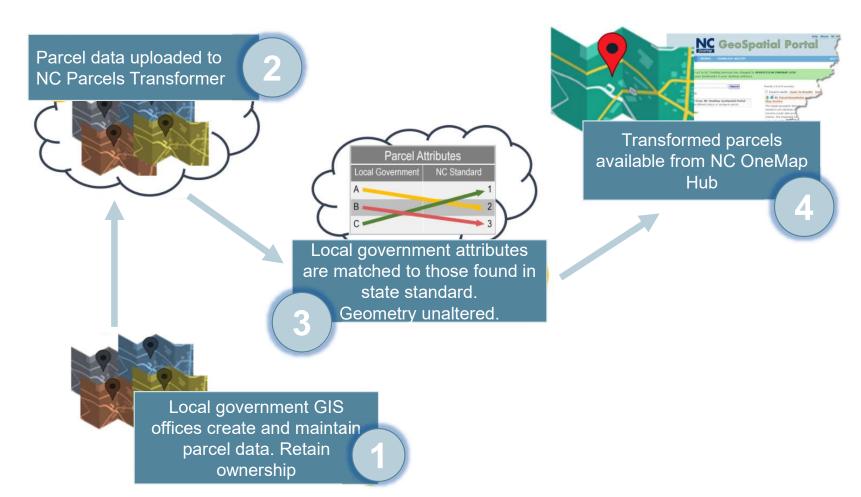
Full Participation

2016 Onward

Operations and Maintenance



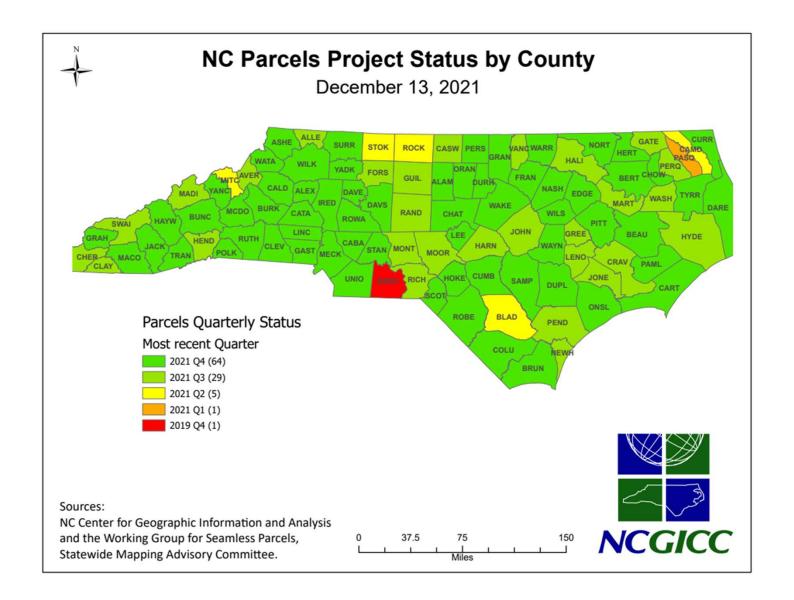
### **Workflow Overview**



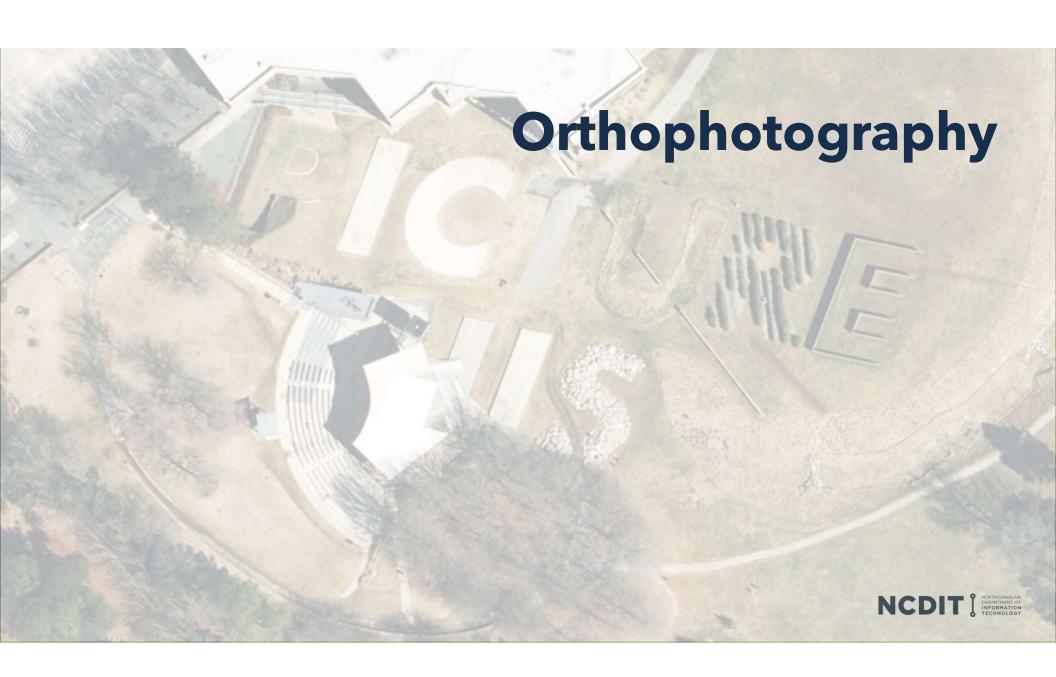


# **NC Parcels Update**

- •For 2020, 98 counties provided updates.
- •For 2021, 99 counties provided updates as of 12/13/21.
  - Quarter 1 had 67 counties provide updates.
  - Quarter 2 had 66 counties provide updates.
  - Quarter 3 had 89 counties provide updates.
  - •Quarter 4 has had 64 counties provide updates (as of 12/13/21).







# **Current Orthoimagery Program Cycle**



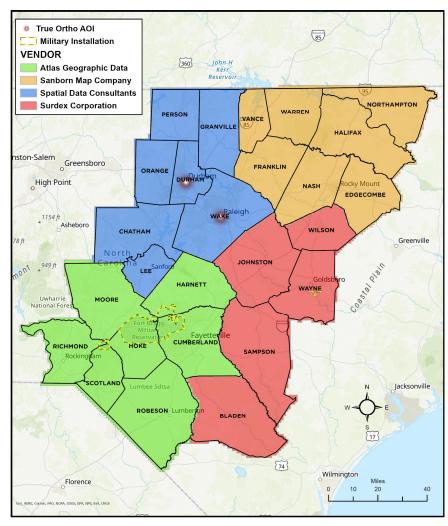
# **Orthphotography Timeline**





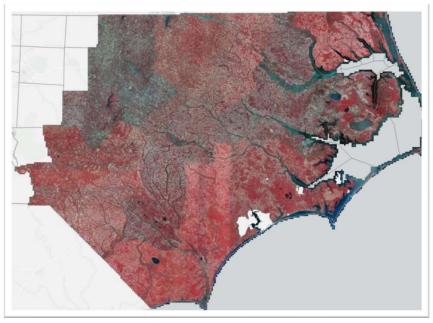
# **2021 Eastern Piedmont**

- 26 counties
- 15,141 square miles
- 16,885 tiles (5,000' by 5,000')
- True Orthoimagery AOI:
  - Durham
  - Raleigh
- Coordination with Military Operations:
  - Fort Bragg
  - Camp Mackall
  - Seymour Johnson AFB





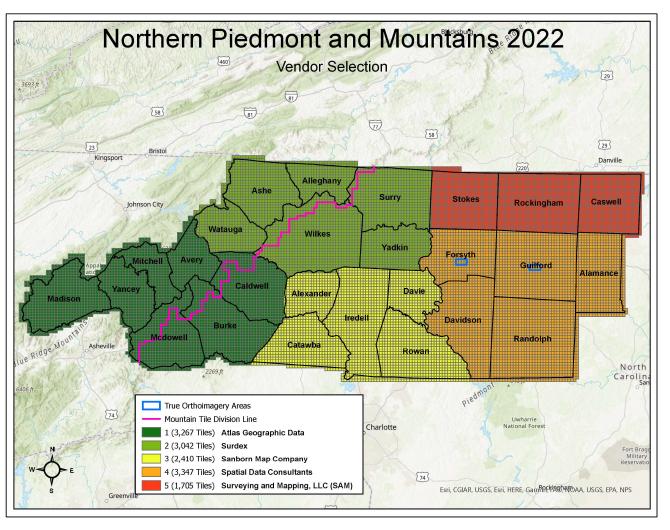
# Color-Infrared (CIR) 2020-2021







### **2022 Northern Piedmont & Mountains**



- 26 counties
- 12,349 Square Miles
- 25% of Project Area considered 'Mountain Acquisition'
- True Orthoimagery for Greensboro & Winston-Salem
- 4-Band Ortho Products continuing to be developed for this phase





## **Municipal Boundaries: History**

2018

Secretary of State brings issue to Council

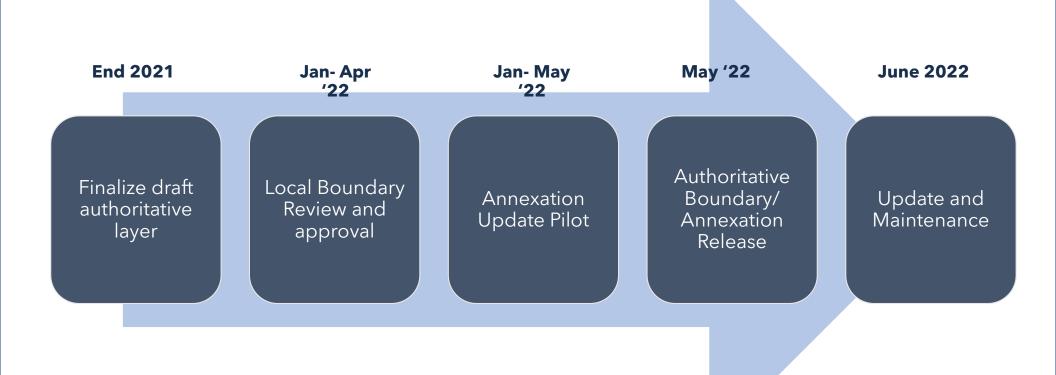
Working Group Initiated MBWG reviews issues and consults stakeholders

Initial pilot to test data delivery Schema development, process refinement Statewide data development /SMAC and GICC approval

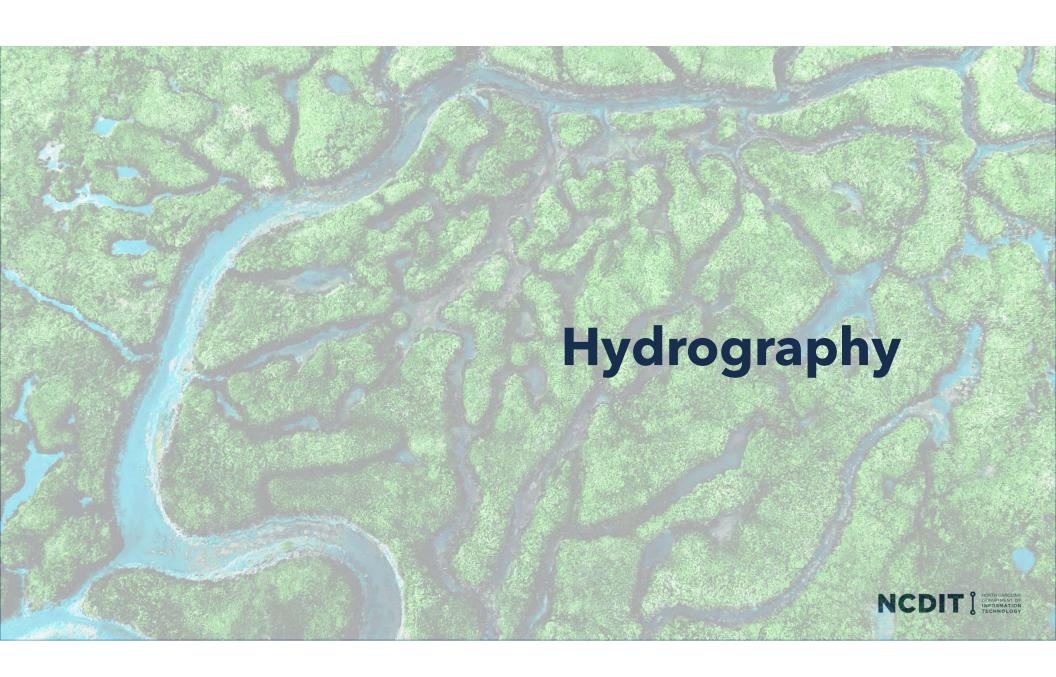
Approval and update tools in development



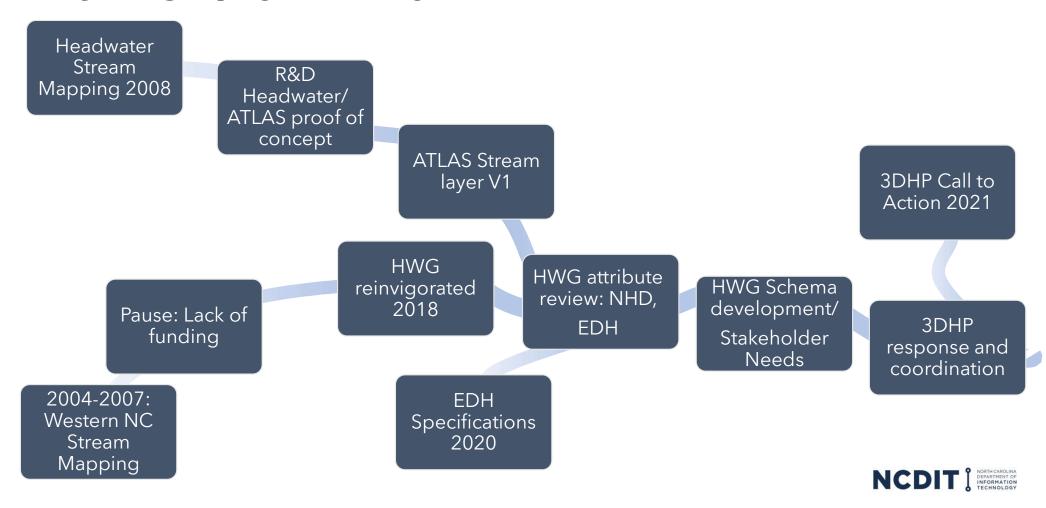
## **Municipal Boundaries: Road Ahead**



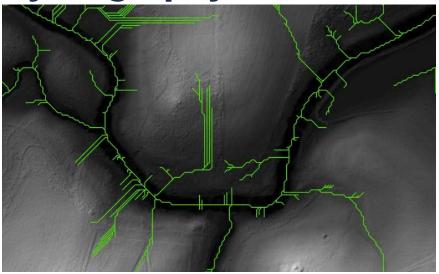


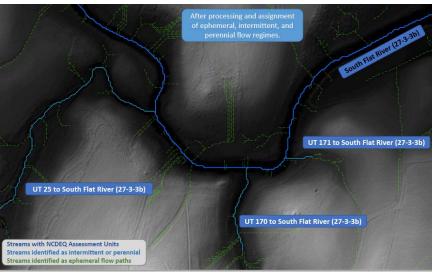


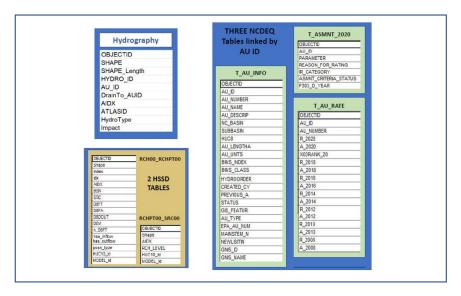
## **Hydrography: History**



# **Hydrography: Current Status**









#### DRAFT

The 3D National Topography Model Call for Action Part 1: 3D Hydrography Program

Review Version 7.0 1/22/2021

# **Hydrography: Road Ahead**

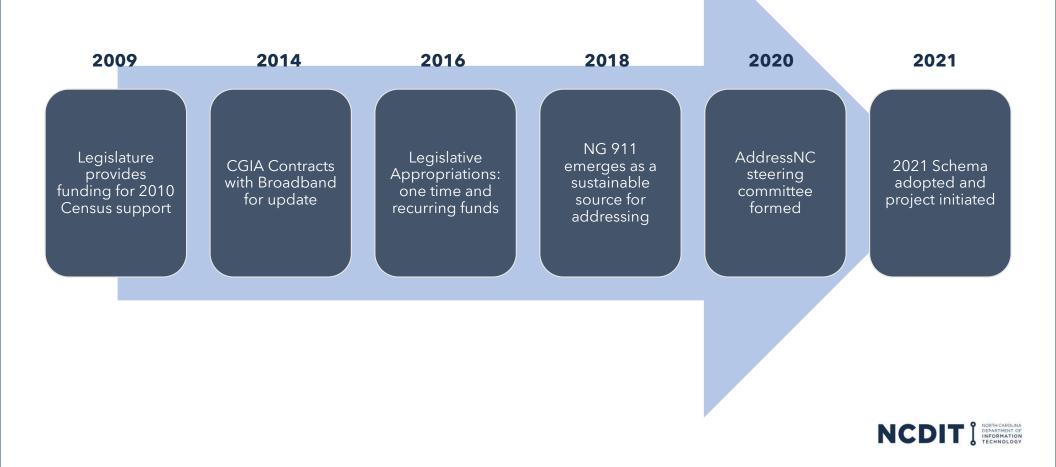
Test headwater Finalize draft NC Stakeholder Stewardship stream data to SMAC GICC agreement with Hydro schema review and 3DHP Pilot see if it will meet review/Approval review/Approval document schema updates USGS 3DHP standards

Identification of funding to integrate NC Hydro, Atlas, and 3DHP





## **AddressNC: History**



## **AddressNC: GICC Priority and Benefits**

#### **Stakeholders**

- Department of Public Safety
- Board of Elections
- Broadband Office
- Department of Revenue
- State Fire Marshall
- Health and Human Services
- Department of Transportation
- Municipal Governments
- County Governments

#### **Benefits**

- Derived from NG 911 data: reliable with set update frequency
- Supports other framework datasets
- More accurate hazard risk assessment
- Enhanced emergency response, recovery, and resiliency planning
- Broadband expansion
- Election confidence and voter information
- Property tax revenues
- Fire inspection ratings



### AddressNC: Road Ahead







## **Building Footprints: History**

NCEM maps building footprints Conflation: property records/ HAZUS

First Floor Elevations Data released on Spatial Data Download Geometry
Updates
using LiDAR
/Microsoft
buildings

State Agency Needs Assessment indicates wide use and need for update

Call for Building Footprint Working Group



# **Building Footprints: Current Status**



#### **Buildings: Composite**

Microsoft\_building\_footprints

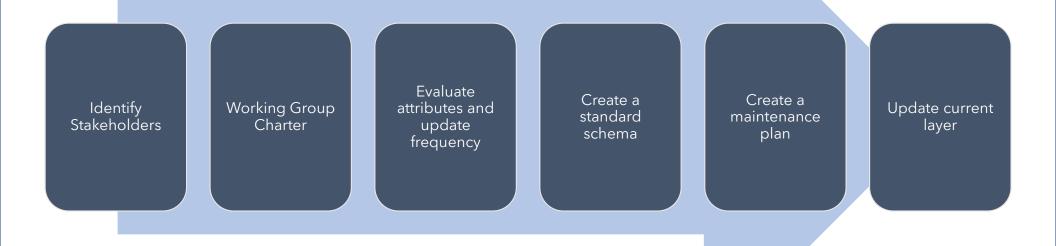
QL1/QL2 LiDAR

RISK

SRMP



# **Building Footprints: Road Ahead**





### **Building Footprints: Opportunities for Collaboration**

#### Contact us!

- ❖ Become part of the working group.
- ❖ Tell us what you need in a building footprint layer.
- ❖ Help QC the layer.
- ❖ Tell us what analysis or applications you would like created.

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### **Questions?**



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