

GIS Advisory Council Meeting

CT GIS Office

Date: December 11th, 2025



CONNECTICUT
Policy and Management

Agenda

Introductions/Attendance

Council Administration

GISO Priority Topics updates

- Broadband Data
- Bridge and Culvert Collection

Housing Bill (HB8002) Data Tools Plan Overview

Accessibility Guidance Discussion

Address Guidance

Public Comment

Closing Remarks

Adjourn



Introductions and Attendance

GIS Advisory Council

Appointing Authority	Appointee
OPM	Alfredo Herrera
OPM	Scott Gaul
DEEP	Stuart DeLand
ConnDOT	Elizabeth Congo
DESPP	Dan Czaja
DPH	Gary Archambault
CTCOG	Erik Snowden
CTCOG	Mark Hoover
CCM	John Guskowski
CCM	Tracy DeGrazia
UConn	Emily Wilson
PURA	Peter Sampiere
GA	Meghan McGaffin
GA	Vacant



Council Administration

GIS Office Staff Update

Sarah Hurley has been promoted to a new role as GIS Coordinator!

CT Geographic Information Office (GIO)

Alfredo Herrera – Geographic Information Officer

Ashley Benitez – GIS Coordinator

Sarah Hurley – GIS Coordinator

Leah Hodges – GIS Analyst

Vacant – GIS Analyst



GISO Priority Topics and Working Group Updates

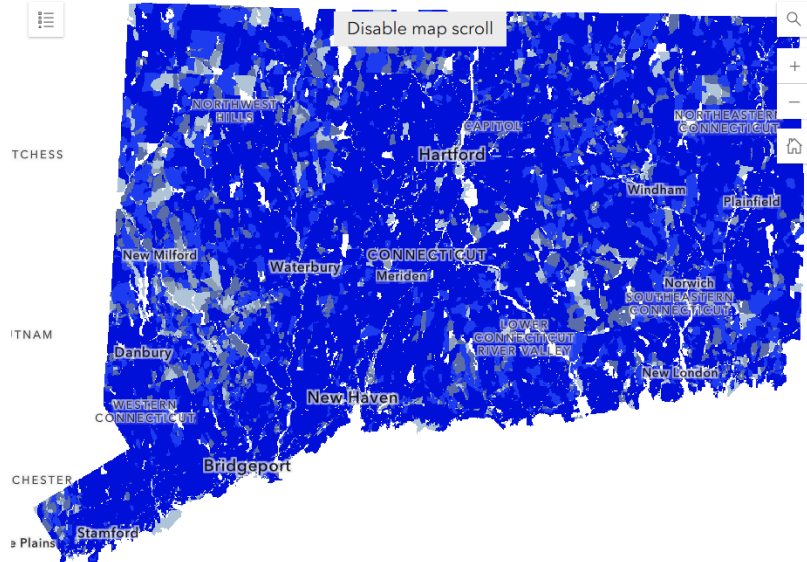
Broadband Data Updates

Connecticut Broadband Mapping Hub About Our Partners Research Data Library

2025 State Broadband Maps

The map on the right shows the percent of locations meeting the **state goal** of speeds over 1Gbps download and 100Mbps upload.

Use the navigation tabs above to access and learn more about broadband data in CT.



Connecticut Broadband Mapping Hub About Our Partners More

About Broadband Mapping in Connecticut

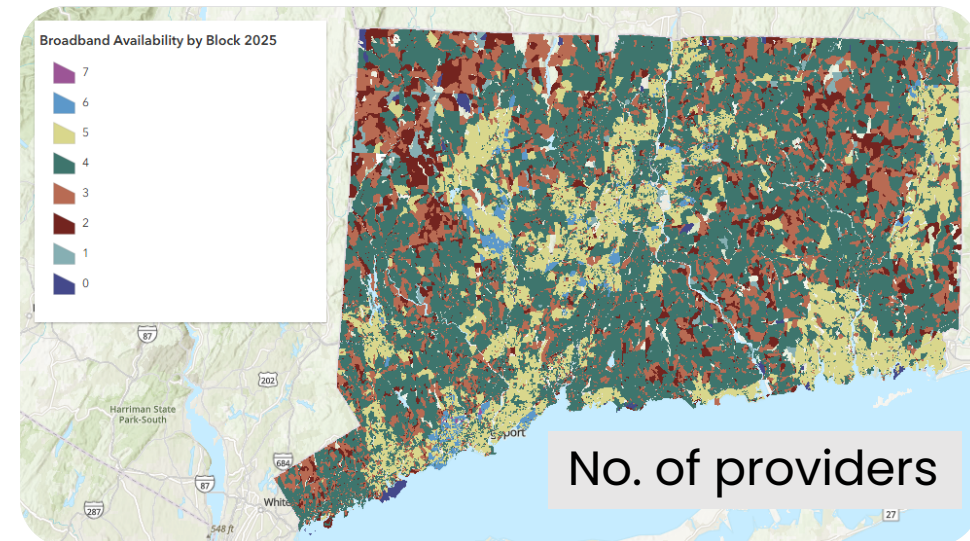
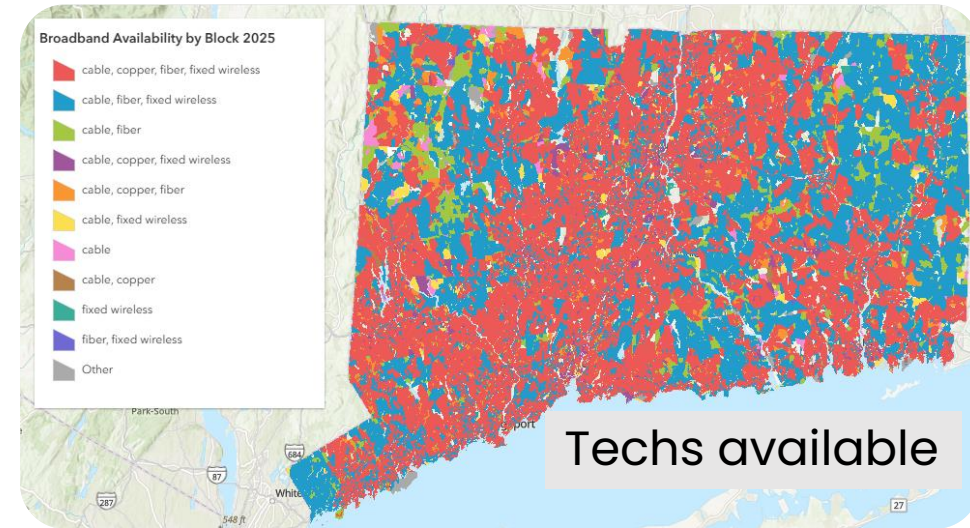
[What is Broadband Data](#) | [Collection](#) | [Measuring & Tracking](#)

<https://broadbandmaps.ct.gov/>

Updates to the datasets

Now included in the attributes:

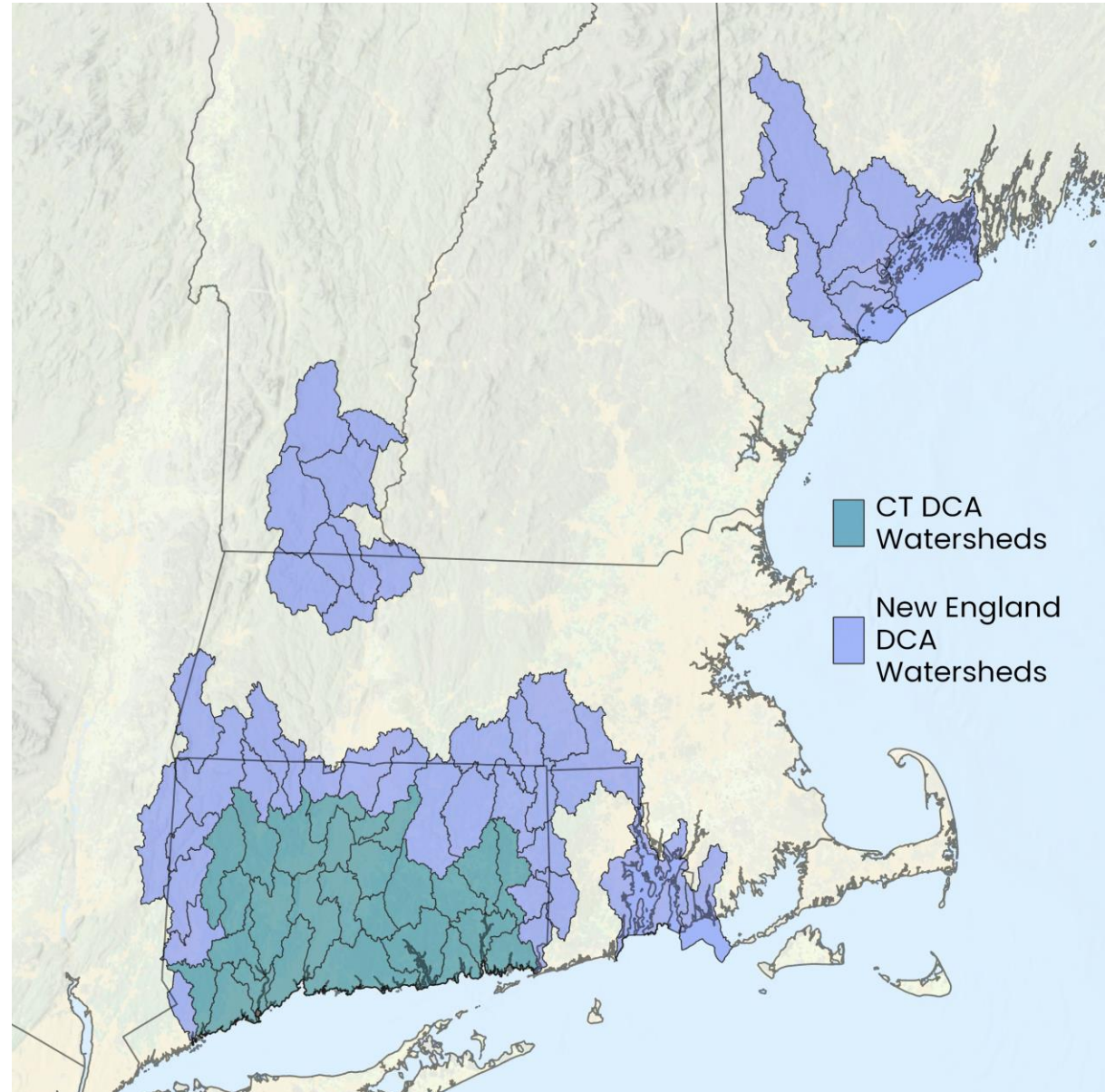
- FIPS for all geographies (block, tract, town, planning region)
- Providers list
- No. of providers
- Technologies mix
- Advertised Download/Upload mix (subscription)
- ACS 2023 (5-year) Broadband data (subscription)



3DHP DCA Approval



Both the CT & New
England DCAs have
been approved by
USGS!



3DHP will support Culverts and Bridges Req.

- Public Act No. 25-33
- AN ACT CONCERNING THE ENVIRONMENT, CLIMATE AND SUSTAINABLE MUNICIPAL AND STATE PLANNING, AND THE USE OF NEONICOTINOIDS AND SECOND-GENERATION ANTICOAGULANT RODENTICIDES
- Some existing data framework / schemas such as CT DOT and BLM

Sec. 8. (NEW) (Effective July 1, 2025) On or before May 1, 2028, and annually thereafter, each municipality shall submit a geospatial data file of each **culvert** and bridge within the control and boundaries of such municipality to the regional council of governments of which it is a member in a form and manner prescribed by the Office of Policy and Management, in consultation with the Departments of Transportation and Energy and Environmental Protection. Such geospatial data shall be produced and provided in the plane coordinate system, as described in section 13a-255 of the general statutes. Such data file shall include, but need not be limited to, geospatial data pertaining to each **culvert** and bridge, the locational coordinates of each **culvert** and bridge, the age and dimensions of each **culvert** and bridge and any additional information deemed necessary by the Office of Policy and Management, in

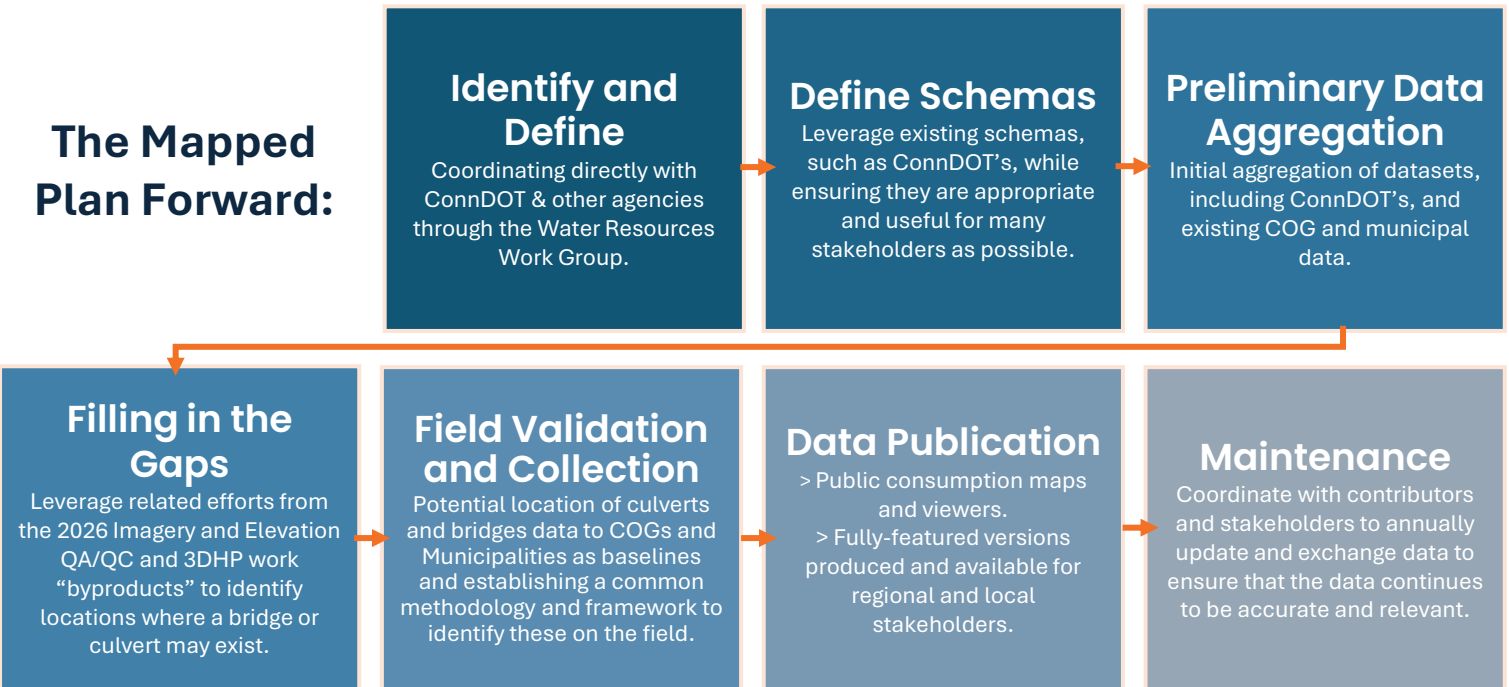
Automated mapping of culverts, bridges, and dams

August 11, 2023

Accurate maps of built structures around stream channels, such as dams, culverts, and bridges, are vital in monitoring infrastructure, risk management, and hydrologic modeling. Hydrologic modeling is essential for research and

PA 25-33 Culvert and Bridge Data Collection

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Housing Bill Data Tools Plan Overview

(g) On or before July 1, 2026, and every five years thereafter, the Geographic Information Systems Office within the Office of Policy and Management, in consultation and coordination with the regional councils of governments, shall develop state-wide data tools for municipalities to use, together with local data, to compile an inventory of developable land, as defined in section 4 of this act.

issue publicly available guidelines that specify formats, mapping standards, and standardized metrics for municipalities' annual reporting. These include permits issued, certificates of occupancy, and

HB 8002 – An Act Concerning Housing Growth

Mandates municipalities to develop **housing growth plans** to promote affordable housing (due 2028-2029) every 5 years, plus annual progress reports

GIS Office to provide:

Data and tools to enable COGs and municipalities to determine what developable lands they have available for housing
(July 1, 2026)

Stand up **Hub site** with collection of relevant data, tools, and resources

Guidelines that specify **mapping standards** for annual reporting
(March 1, 2026)

Develop **standardized symbology** guidance for maps

Accessibility Guidance Discussion

Connecticut GIS Mapping Accessibility Guidance

DRAFT

CT GIS Office

December 2025

- Developed by the GIS Office to **outline accessibility best practices**
- Supports creation of GIS products usable by all audiences
- Public-facing services must meet ADA (WCAG 2.1) standards by April 24, 2026
 - WCAG 2.1 standards are referenced throughout
- Coming up we will be auditing all our public-facing sites, maps, and products to make sure we're following these guidelines

Feedback? Questions?
Comments? Concerns? Use
cases?

Statewide Addressing Updates

- Addresses collected by state agencies across many programs often lack consistency.
- Some records are impossible to geocode because of incomplete addresses, mailing addresses are mixed in the same fields, etc.
- Working in developing a guidance on **location address** for state administrative data.
 - Define difference between location versus mailing address
 - Define a schema for complete location address
 - Recommendations for implementation

Statewide Addressing Updates

- **Separate Location and Mailing Address Fields**
 - Description of address types
- **Minimum Location Address Standard**
- **Privacy**
- **Implementation**
 - Review existing datasets for incomplete/incorrect data
 - Coordinate with GISO for support with address validation and geocoding
 - Recommendations when collecting address data (e.g., use of dropdowns to narrow address search)

Handling Location Address

Address	Location	Zip
123 Main N	##Building 5 Hartford Apt 4 (updated)	6106

Address fields are incorrectly identified, street address is incomplete, improper formatting, comments in address-related fields, zip code is missing the leading 0

Street Address	City	State	ZIP
123 North Main Street	Hartford	CT	06103

Address is separated into multiple fields, following a simple schema.

Address Number	Street Name	Subaddress	City	State	ZIP
123	North Main Street	Apartment 4B	Hartford	CT	06103

Address is separated into multiple fields, following a standard (e.g., NENA), where each element (house number, street name, type, directional, unit, city, state, ZIP) is stored in its own field.

Address
123 North Main Street, Apartment 4B, Hartford, CT 06103

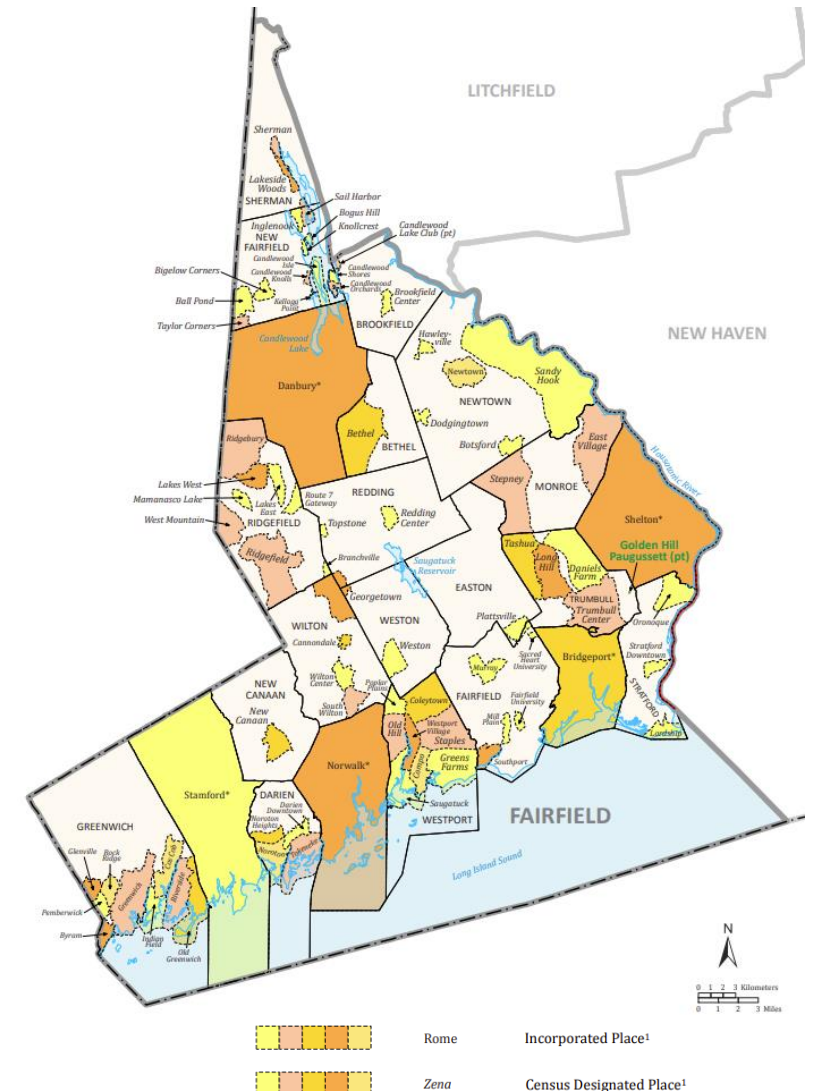
Complete address in one field

Other location-related items

- Placename <> Town

A list of common spellings, villages, CDPs, and other per town to support alignment with the official 169 town geographies.

Village_Town_Spelling	Real_Town_Name	Category	MultiTown
Topstone	Redding	Neighborhood	0
FIVE POINTS	Redding	Neighborhood	0
Lonetown	Redding	Historic Village	0
Redding	Redding	Town	0
Redding Center	Redding	CDP	0
Redding Center CDP	Redding	CDP	0
REDDING CTR	Redding	Village	0
Redding Ridge	Redding	Village	0
Sanfordtown	Redding	Village	0
TOPSTONE	Redding	CDP	0
Topstone CDP	Redding	CDP	0
W REDDING	Redding	Village	0
W. REDDING	Redding	Village	0
West Redding	Redding	Village	0
Georgetown	Redding Weston Wilton	CDP	1
Georgetown CDP	Redding Weston Wilton	CDP	1



A decorative graphic on the left side of the slide, consisting of white, irregular, wavy lines that resemble a topographic map or contour lines, set against a solid blue background.

Public Comment



Thank You

