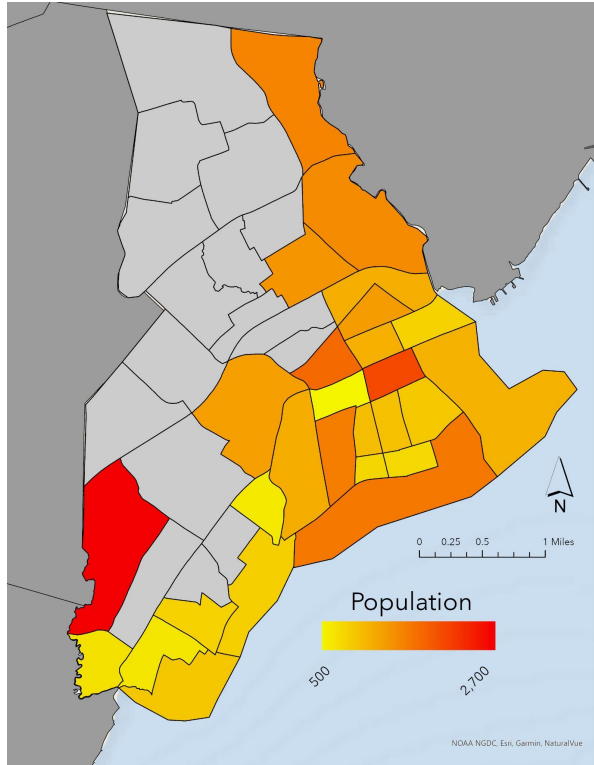


Storm Surge Impact: West Haven, CT

Sarah Sampt



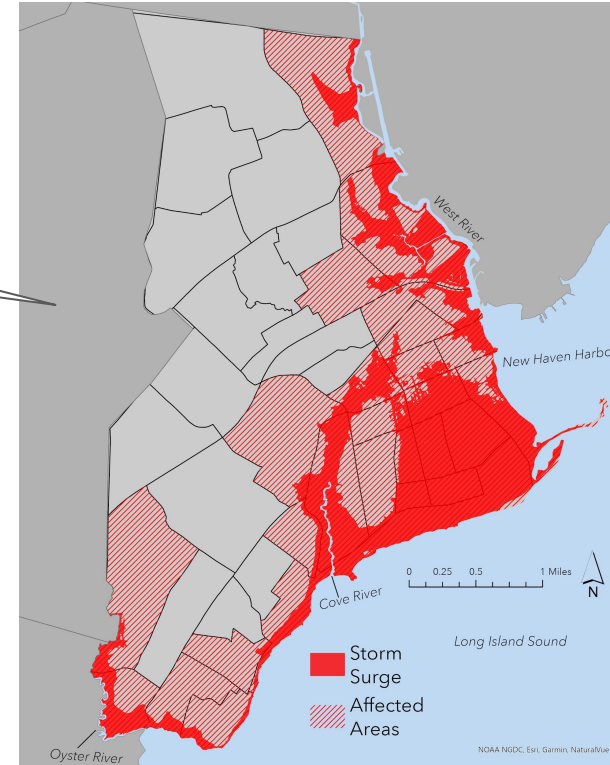
31,215 people live within the block groups threatened by storm surge.

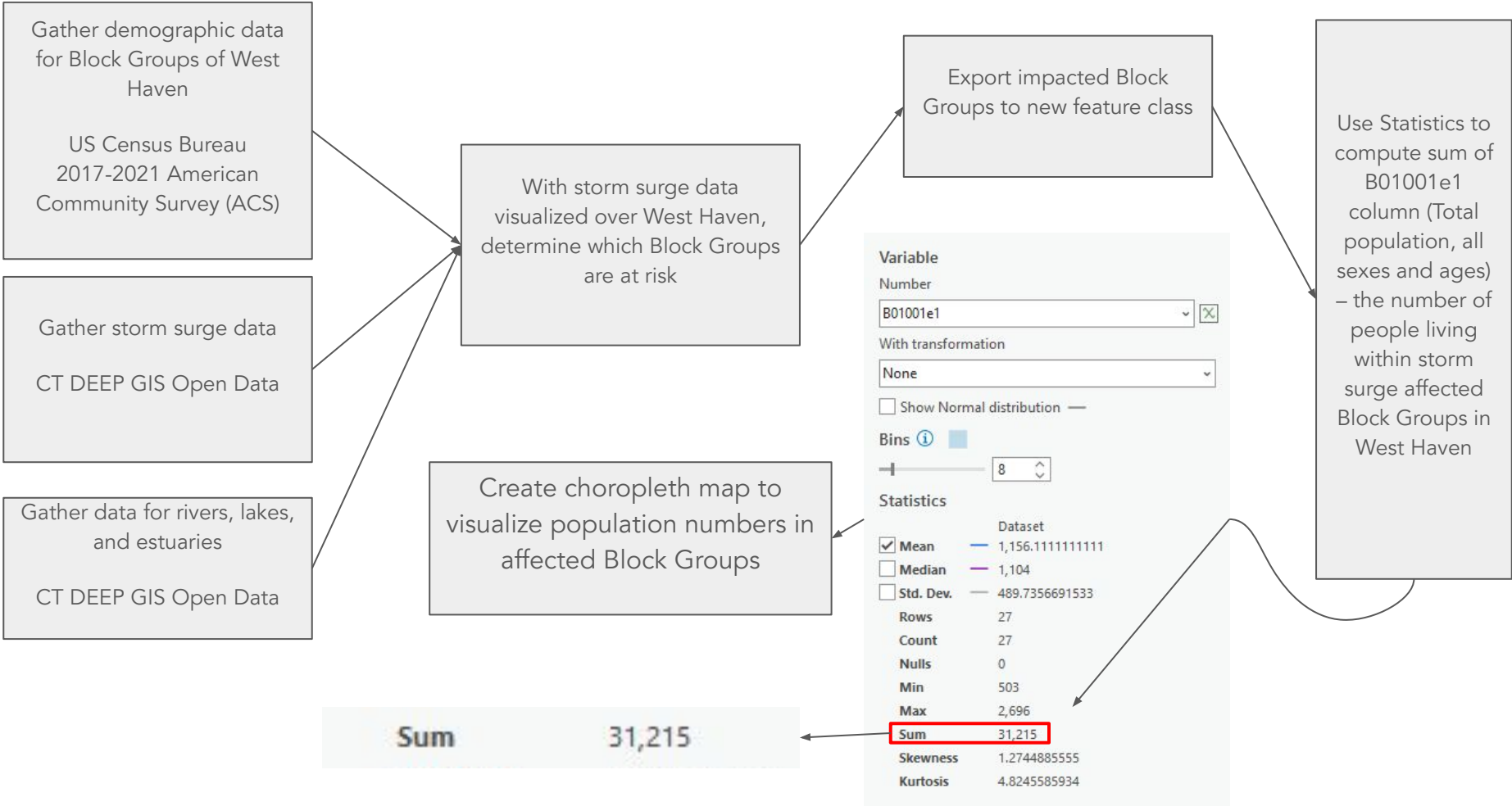


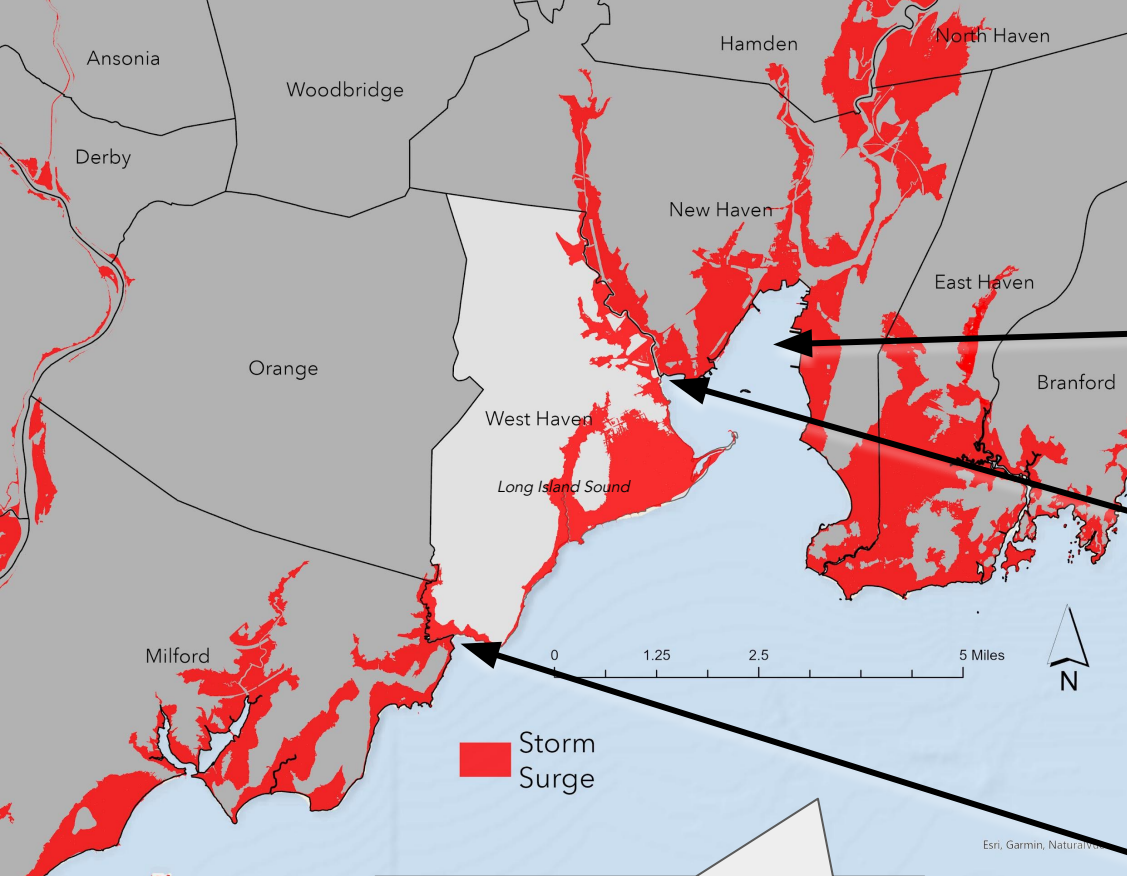
Population counts within the affected blocks

Storm surge impact on West Haven

This is **over half** of West Haven's total population of 55,004.



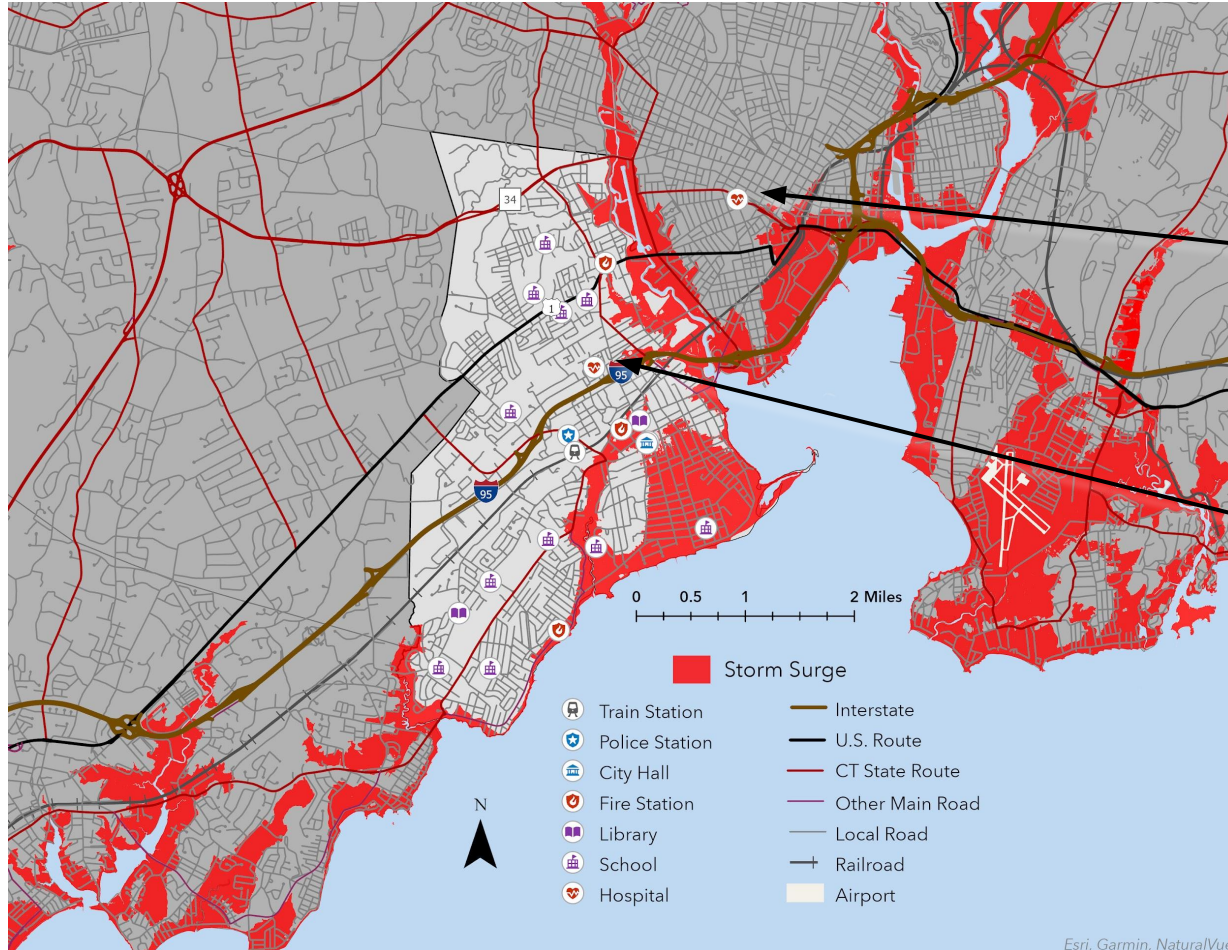




West Haven is not only bordered by the **Long Island Sound** to the south – it is also bordered by **New Haven Harbor** on its eastern side. This is where the sea meets the **West River**, which runs along the border of West Haven and New Haven. There would also be flooding from the short **Oyster River** along the West Haven and Milford border.

Storm surge impact on West Haven and neighboring towns

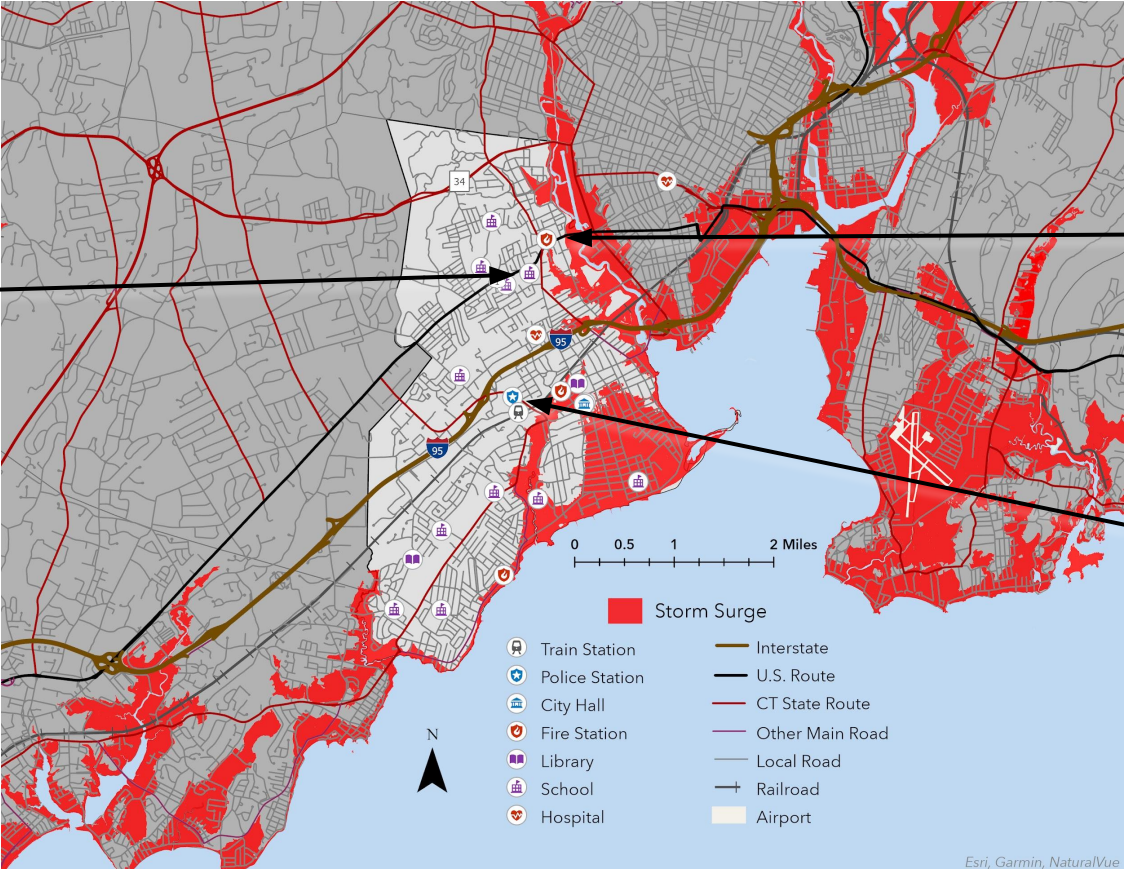
West Haven is well connected by road to its neighboring towns. I-95, U.S. Route 1, and Route 34 provide evacuation routes traveling southwest out of the city, along with numerous other local roads.



The closest civilian hospital to West Haven is **Yale New Haven Hospital**, but storm surge would likely limit access from the west. There is a **VA hospital** located within town that may be able to provide assistance when medical access is limited.

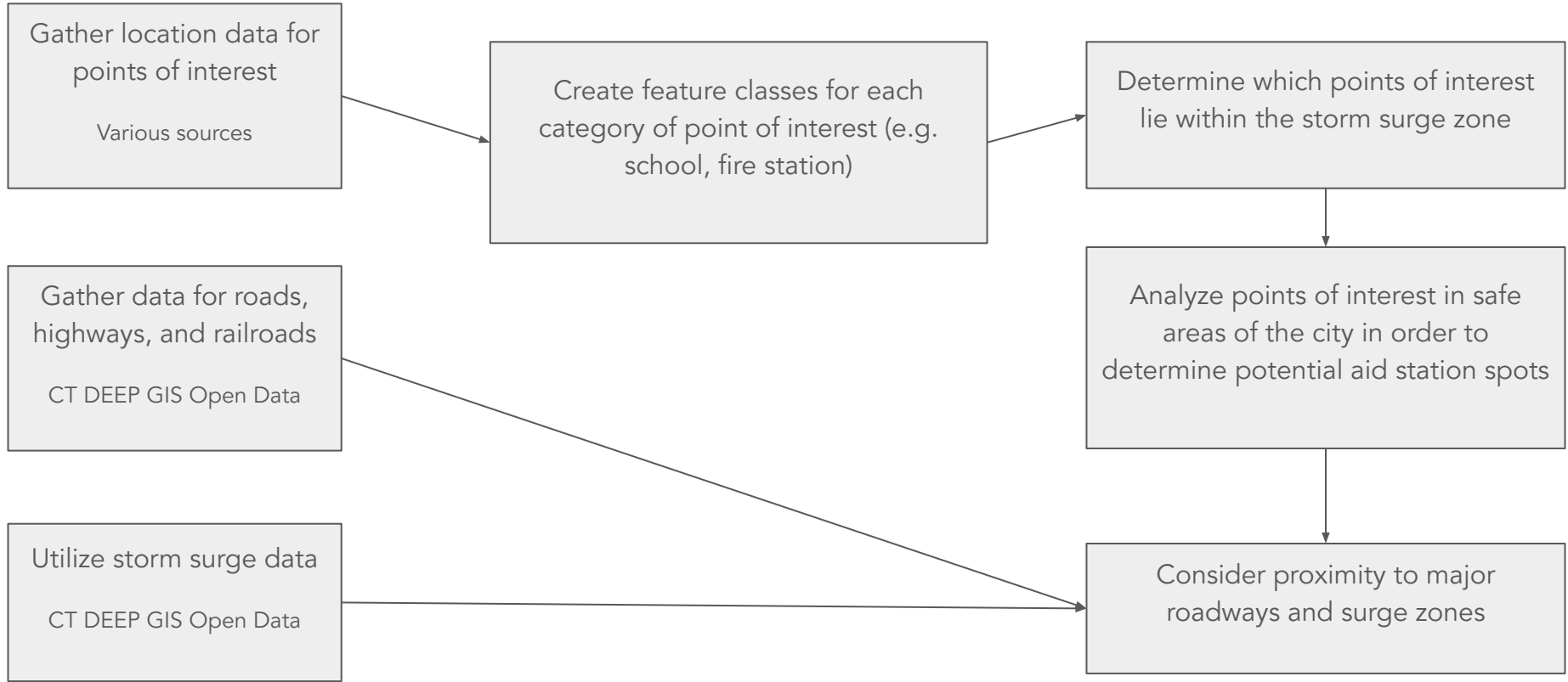
Nine schools are located outside reach of the storm surge, providing shelter spots for residents.

University of New Haven is one of these schools, located in proximity to the storm surge zones along the eastern side of the city. Many facilities on the UNH campus could serve as shelter and aid locations, such as the Peterson Library and the Beckerman Recreation Center.



Also in proximity to the flooding along the West River is the **Allington Fire Station**, which can provide emergency medical service.

The city's **police department** is located in the center of town, not far from the flooding area along the southeastern side of town.



Sources

CT Hurricane Surge Inundation (CT DEEP GIS Open Data):

<https://ct-deep-gis-open-data-website-ctdeep.hub.arcgis.com/datasets/CTDEEP::ct-hurricane-surge-inundation/explore>

US Census Bureau 2017-2021 American Community Survey (ACS) 5-Year Estimates:

<https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-data.2021.html>

CT Vicinity Town Polygons (CT DEEP GIS Open Data):

<https://ct-deep-gis-open-data-website-ctdeep.hub.arcgis.com/datasets/CTDEEP::ct-vicinity-town-polygon/explore>

Hospitals: <https://data.ct.gov/Health-and-Human-Services/CT-Acute-Care-Hospitals-Map/28t3-kapi>

Airports:

<https://ct-deep-gis-open-data-website-ctdeep.hub.arcgis.com/datasets/CTDEEP::connecticut-airports/explore?location=41.534763%2C-72.671111%2C9.69>

Roads: <https://ct-deep-gis-open-data-website-ctdeep.hub.arcgis.com/datasets/CTDEEP::connecticut-road/explore>

Railroads: <https://ct-deep-gis-open-data-website-ctdeep.hub.arcgis.com/datasets/CTDEEP::connecticut-railroads/explore>

Fire Stations: <http://www.westhavenfiredept.com/page/16733-Fire-Stations>

Highways: <https://hub.arcgis.com/datasets/CTDOT::state-routes-3/explore?location=41.279045%2C-72.934426%2C13.95>

Rivers, Lakes, Estuaries: <https://deepmaps.ct.gov/maps/628413dea1ae46e5921394b1b8ca03b4/about>