

# Resilient Connecticut Phase II

## Potential Regional Adaptation/Resilience Opportunity Areas



### Information Packet for NVCOG and Chief Elected Officials

Thank you for following progress of Phase II of the Resilient Connecticut planning process. We have enjoyed presenting Resilient Connecticut to you at the monthly NVCOG meetings of fall 2020 and winter 2021. Now that spring has arrived, we are pleased to present another project milestone.

- The information sheets following this page include the following:
  - ✓ The “Terms to Understand” page provides a list of terms and their meanings on the left side, and a list of project resources with hyperlinks on the right side.
  - ✓ Each potential regional adaptation/resilience opportunity area identified in the NVCOG region is described on an individual page. Regional adaptation/resilience opportunity areas are the geographic locations that our team has identified *based on overlays of flood vulnerability, heat vulnerability, social vulnerability, zones of shared risk, and regional assets and infrastructure.*
- Here are some helpful hints when reviewing information sheets:
  - ✓ The numbers associated with the flood, heat, and social vulnerabilities are relative scores between zero and one. This means that a score of “0.9” in one opportunity area demonstrates higher vulnerability than a score of “0.5” in a nearby opportunity area.
  - ✓ The ID numbers for the zones of shared risk include a four-digit watershed identification number developed by the State. For example, “6000” is the Housatonic River watershed.
  - ✓ The “areas of planned development” have been gathered from community plans, but the names that we selected for these information sheets are a work in progress. We plan to revise these as needed.
- Next Steps
  - ✓ We plan to discuss these potential regional adaptation/resilience opportunity areas during the NVCOG spring workshop and present the findings during the June 2021 COG meeting. Revisions will be made as necessary as a result of these presentations.

# Resilient Connecticut Phase II

## Potential Regional Adaptation/Resilience Opportunity Areas



### Terms to Understand

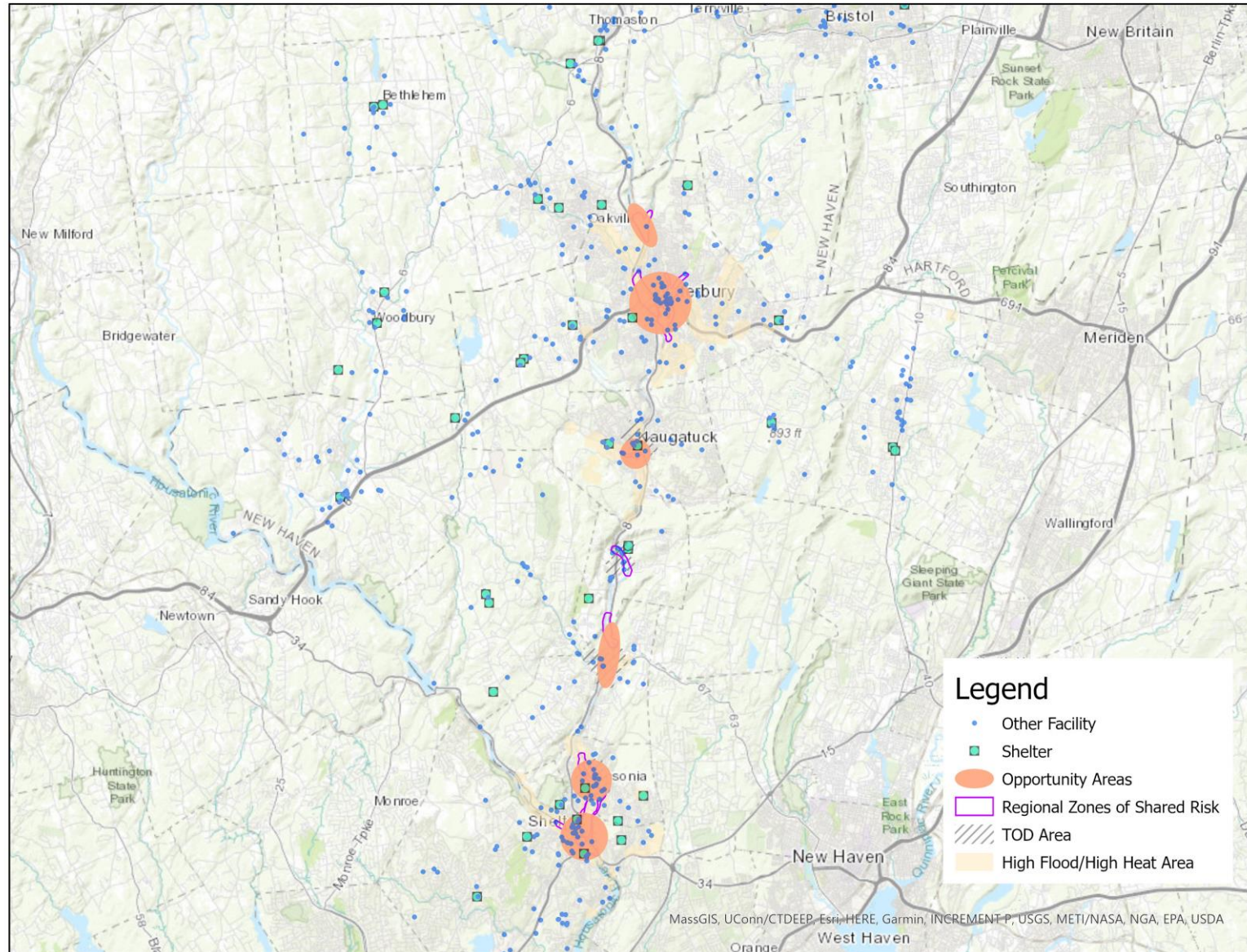
Considerations	Definition
Flood Vulnerability	A contributor to climate risk associated with flooding, this is a combination of flood exposure, flood sensitivity, and flood adaptive capacity.
Heat Vulnerability	A contributor to climate risk associated with heat, this is a combination of heat exposure, heat sensitivity, and heat adaptive capacity.
Social Vulnerability	Factors such as poverty and lack of access to transportation that may weaken a community's ability to prevent losses during a disaster.
Zone of Shared Risk	Areas that face common challenges already, or caused by climate change, and therefore risks are shared among or between groups of people that may have different perspectives and priorities for resilience.
Regional Infrastructure	Infrastructure that serves more than one community; or is important to a region.
Area of Planned Development Present	Areas identified in POCDs and RPOCDs for a variety of development and redevelopment.
Federal Opportunity Zone	Opportunity Zones provide tax benefits to people and companies with the goal of investing in urban areas.
Transit-Oriented Development Area	Supports creation of compact, pedestrian-oriented, mixed-use communities centered around train or transit systems.

### Resources

- **Resilient Connecticut web site**  
<https://resilientconnecticut.uconn.edu/>
- **Climate fact sheets**  
<https://resilientconnecticut.uconn.edu/2020/10/07/connecticut-climate-fact-sheets-now-available/>
- **Climate Change Vulnerability Index (CCVI)**  
<https://resilientconnecticut.uconn.edu/ccvi/>
- **Resilient Connecticut Story Map**  
<https://mminc.maps.arcgis.com/apps/MapSeries/index.html?appid=c700755a764e421596f9fa3719ea5262&folderid=f47a498583604f3f9601ce1de67f7407>

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## Potential Regional Adaptation/Resilience Opportunity Areas



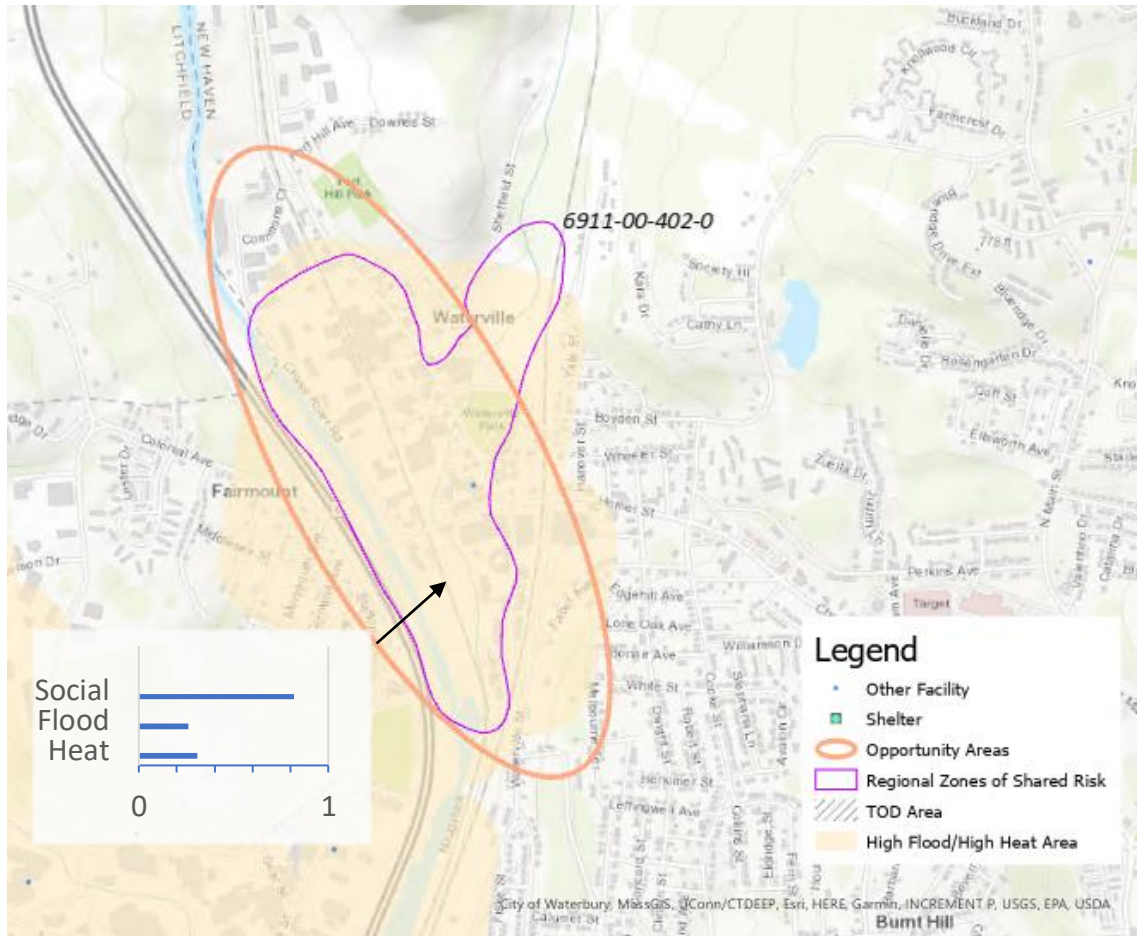
# Resilient Connecticut Phase II

## Potential Regional Adaptation/Resilience Opportunity Areas



Area #1  
 Name: Waterville  
 Location: Waterbury  
 Tier 2

Considerations	Characteristics of Area
Flood Vulnerability	0.26 (moderate-high)
Heat Vulnerability	0.31 (moderate-high)
Social Vulnerability	0.82 (high)
Zone of Shared Risk	Naugatuck River: 6900 Hancock Brook: 6911
Regional Infrastructure Present	Museum, public sewer and water, Route 8
Area of Planned Development Present	N/A
Federal Opportunity Zone Present	N/A
Transit-Oriented Development Area	N/A



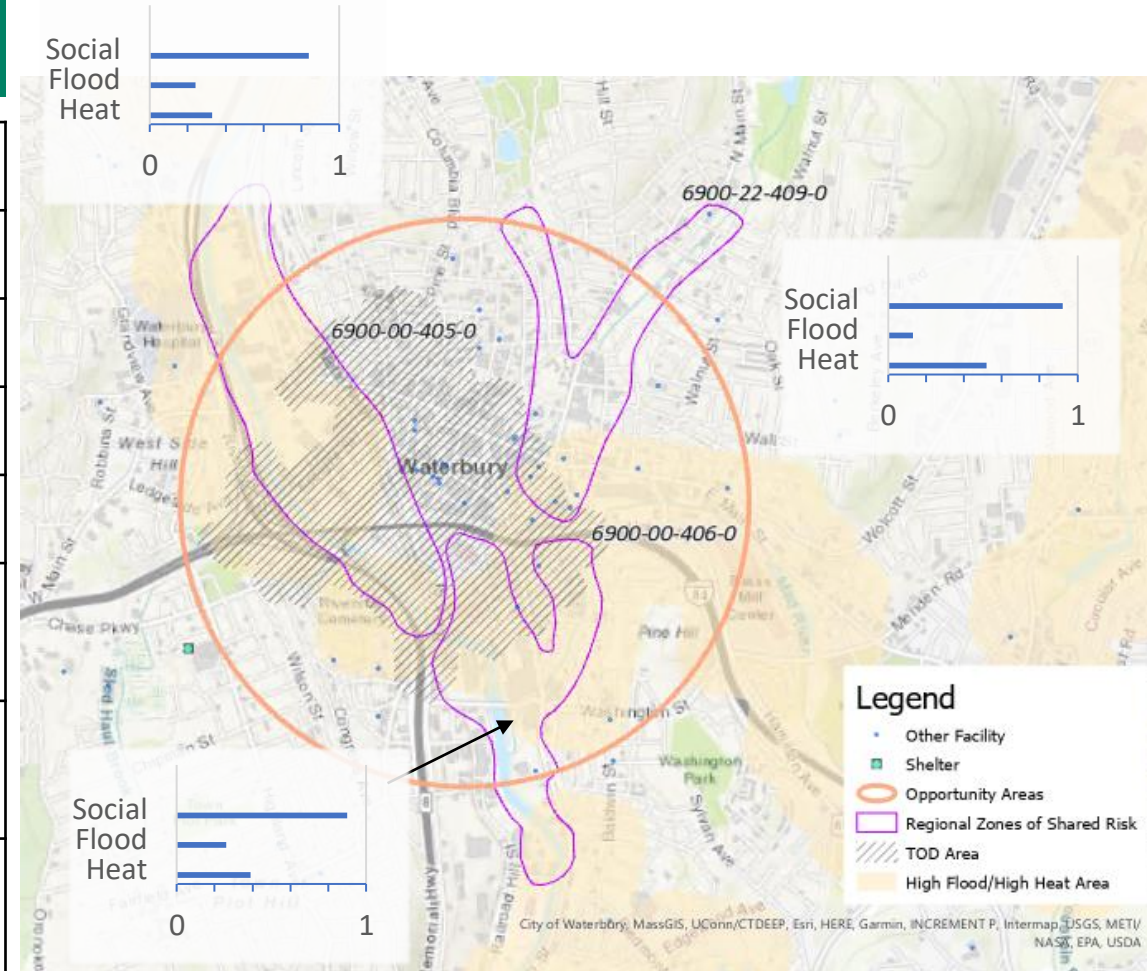
# Resilient Connecticut Phase II

## Potential Regional Adaptation/Resilience Opportunity Areas



Area #2  
 Name: Waterbury  
 Location: Waterbury  
 Tier 1

Considerations	Characteristics of Area
Flood Vulnerability	0.13 to 0.26 (moderate-high)
Heat Vulnerability	0.33 to 0.52 (moderate-high)
Social Vulnerability	0.84 to 0.92 (high)
Zone of Shared Risk	Naugatuck River: 6900
Regional Infrastructure Present	TOD, MetroNorth, public water and sewer
Area of Planned Development Present	Freight Street, Hillside Village, Downtown Waterbury Village
Federal Opportunity Zone Present	Yes, two tracts
Transit-Oriented Development Area	Waterbury Station



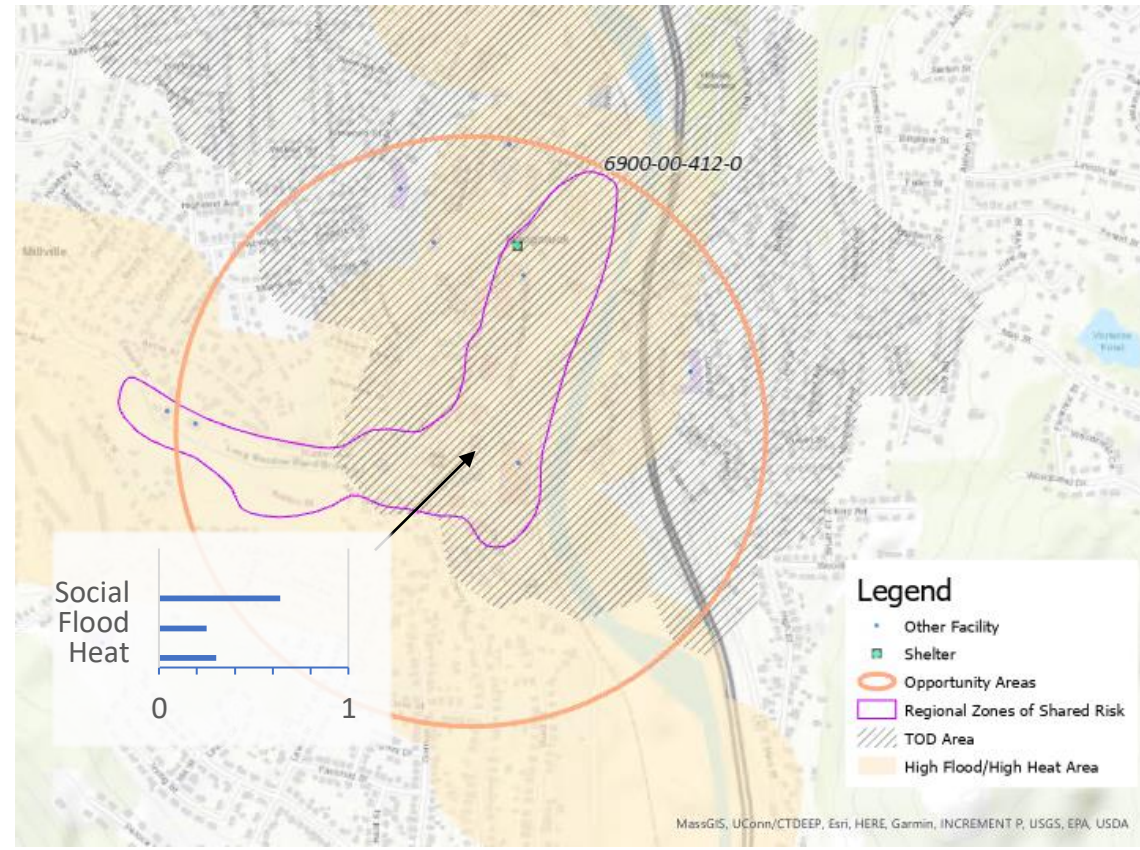
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## Potential Regional Adaptation/Resilience Opportunity Areas



Area #3  
 Name: Naugatuck  
 Location: Naugatuck  
 Tier 1

Considerations	Characteristics of Area
Flood Vulnerability	0.25 (moderate-high)
Heat Vulnerability	0.30 (moderate)
Social Vulnerability	0.64 (moderate-high)
Zone of Shared Risk	Naugatuck River: 6900
Regional Infrastructure Present	Historic district, TOD, MetroNorth, public water and sewer
Area of Planned Development Present	Downtown and Route 8 mixed-use
Federal Opportunity Zone Present	N/A
Transit-Oriented Development Area	Naugatuck Station



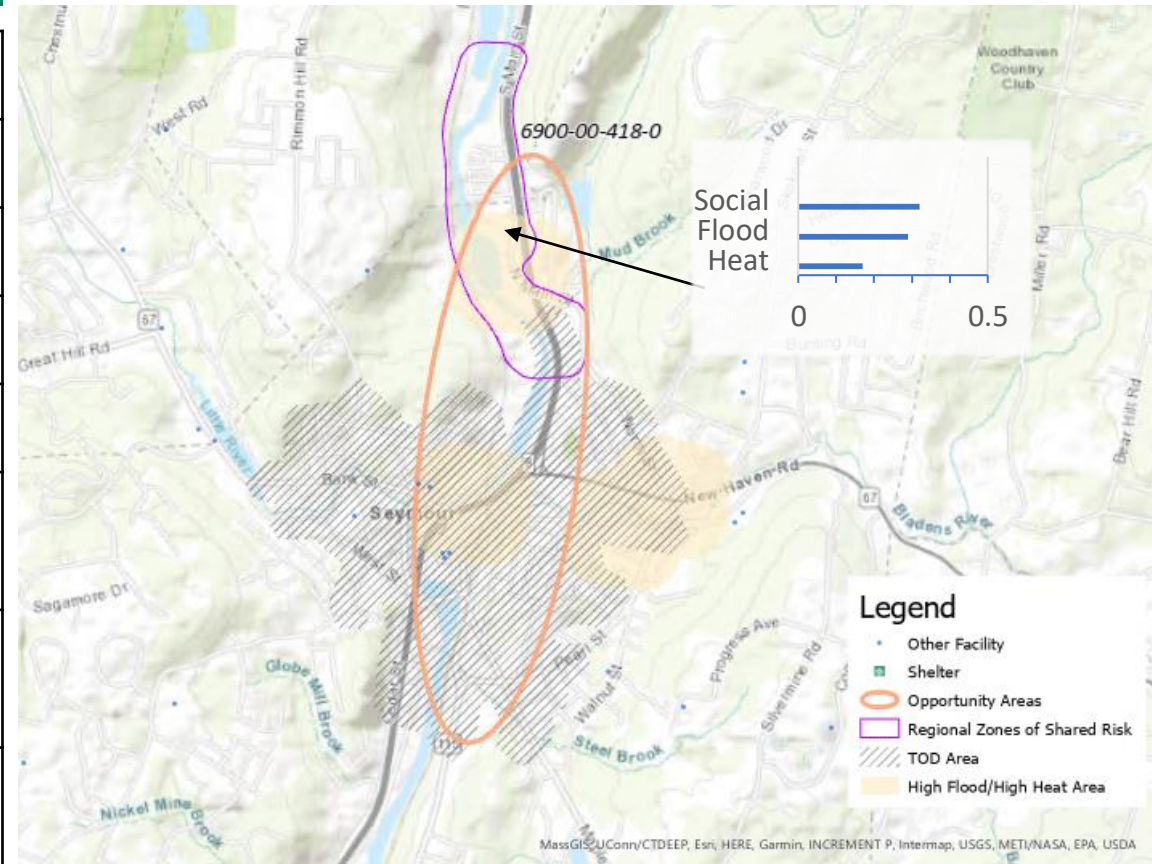
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## Potential Regional Adaptation/Resilience Opportunity Areas



Area #4  
 Name: Seymour  
 Location: Seymour  
 Tier 2

Considerations <sup>0</sup>	Characteristics of Area
Flood Vulnerability	0.29 (moderate-high)
Heat Vulnerability	0.17 (moderate-low)
Social Vulnerability	0.32 (moderate-low)
Zone of Shared Risk	Naugatuck River: 6900
Regional Infrastructure Present	MetroNorth, TOD, public water and sewer service
Area of Planned Development Present	Economic development areas
Federal Opportunity Zone Present	N/A
Transit-Oriented Development Area	Seymour



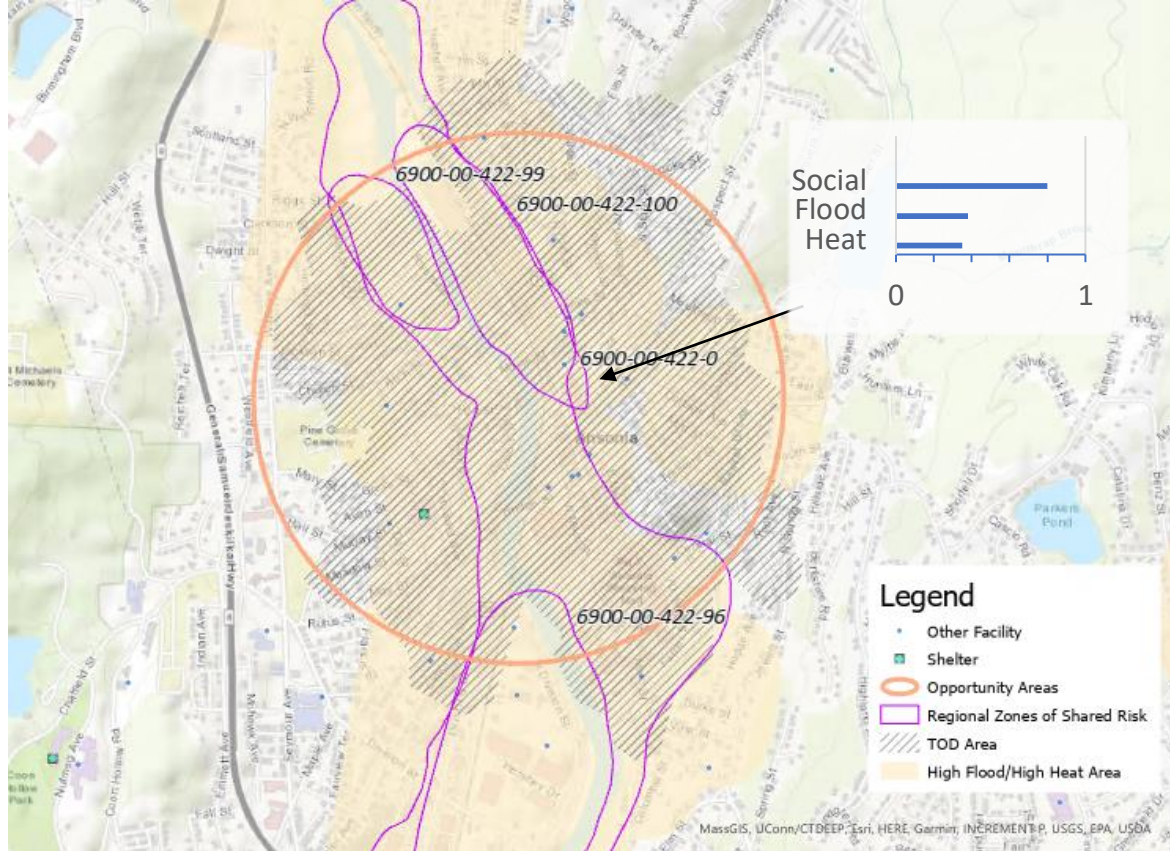
# Resilient Connecticut Phase II

## Potential Regional Adaptation/Resilience Opportunity Areas



Area #5  
 Name: Ansonia  
 Location: Ansonia  
 Tier 2

Considerations	Characteristics of Area
Flood Vulnerability	0.38 (high)
Heat Vulnerability	0.35 (moderate-high)
Social Vulnerability	0.80 (moderate-high)
Zone of Shared Risk	Naugatuck River: 6900
Regional Infrastructure Present	Electric substation, law enforcement, wastewater treatment plant, MetroNorth
Area of Planned Development Present	Mixed use with industrial and downtown areas
Federal Opportunity Zone Present	Main Street
Transit-Oriented Development Area	Ansonia Station





# Resilient Connecticut Phase II

## Potential Regional Adaptation/Resilience Opportunity Areas



Area #6  
Name: Derby

Location: Derby/Shelton  
Tier 1

Considerations	Characteristics of Area
Flood Vulnerability	0.38 (high)
Heat Vulnerability	0.35 (moderate-high)
Social Vulnerability	0.80 (moderate-high)
Zone of Shared Risk	Naugatuck River: 6900 Housatonic River: 6000
Regional Infrastructure Present	Electric substation, law enforcement, wastewater treatment plant, MetroNorth, regional transit center
Area of Planned Development Present	Economic development zone
Federal Opportunity Zone Present	N/A
Transit-Oriented Development Area	Derby/Shelton Station

