

# Resilient Connecticut Phase II

## Potential Regional Adaptation/Resilience Opportunity Areas



### Information Packet for MetroCOG 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 MetroCOG meeting of fall 2020. 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 MetroCOG 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, “7106” is the Ash Creek 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 incorporate feedback from the workshop of May 25, 2021 and the MetroCOG Board meeting. Stay tuned for updates in June!

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## Potential Regional Adaptation/Resilience Opportunity Areas



### Terms to Understand

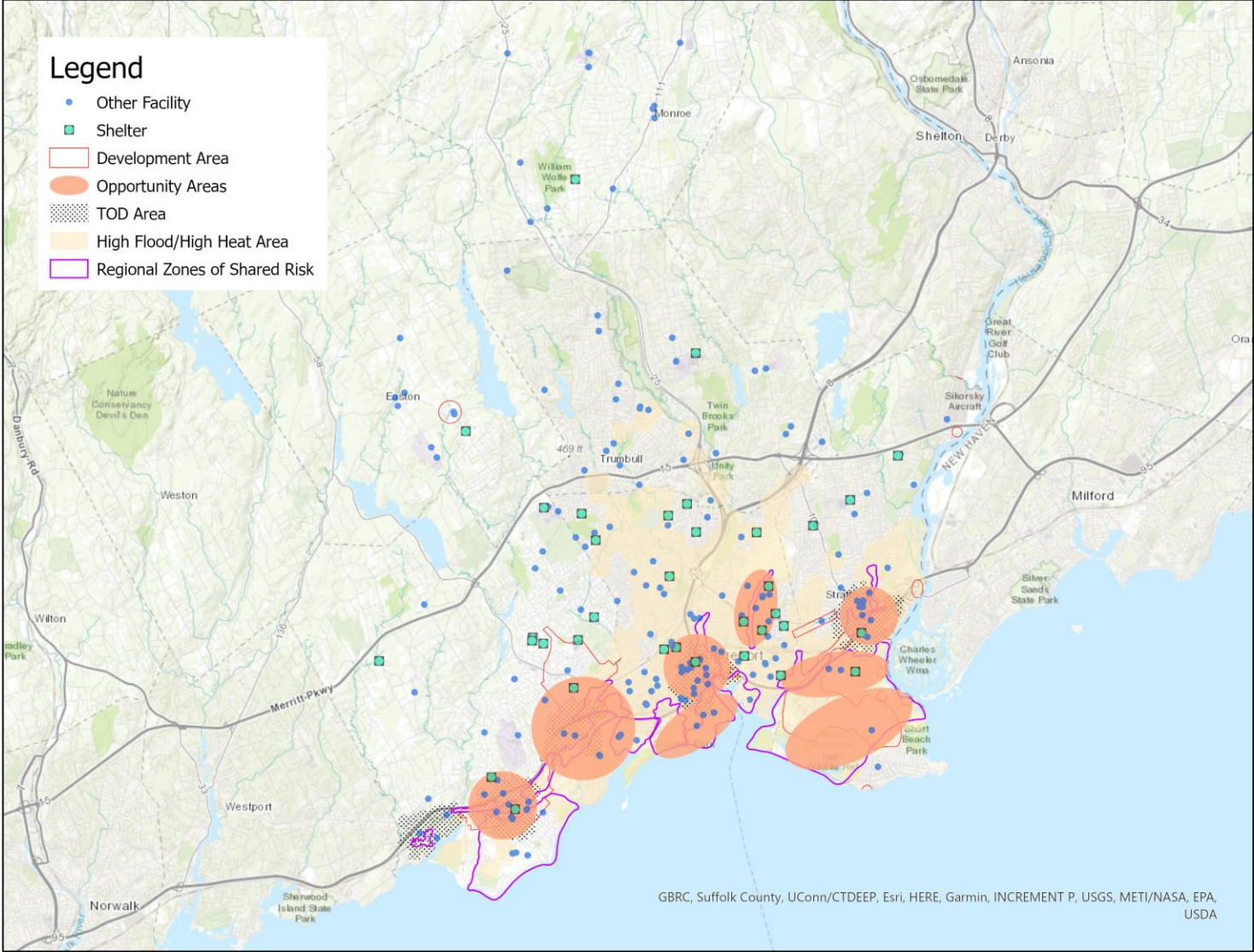
Considerations	Definition
Flood Vulnerability	A contributor to climate risk associated with flooding, this is a combination of flood exposure, flood sensitivity, and flood adaptive capacity.
Heat Vulnerability	A contributor to climate risk associated with heat, this is a combination of heat exposure, 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



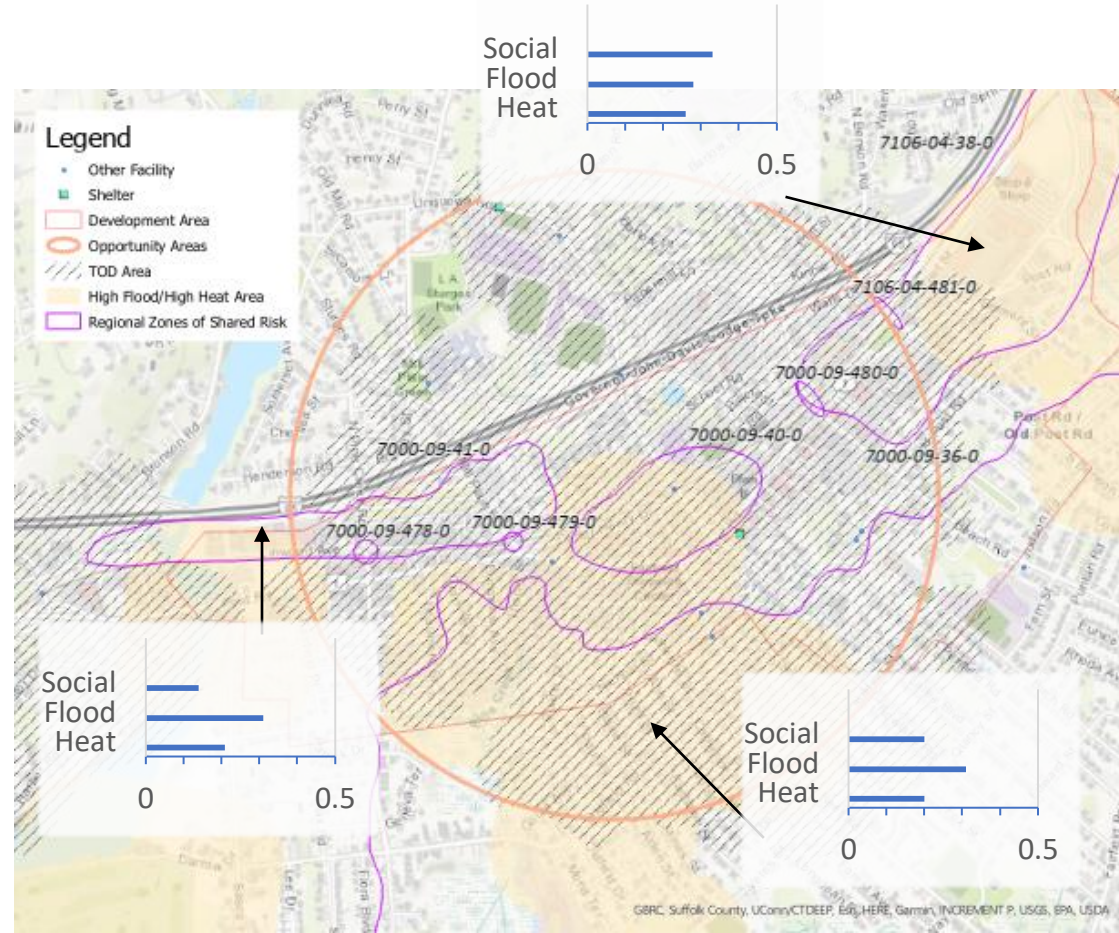
# Resilient Connecticut Phase II

## Potential Regional Adaptation/Resilience Opportunity Areas



Area #1 Location: Fairfield  
 Name: Downtown Fairfield Tier 1

Considerations	Characteristics of Area
Flood Vulnerability	0.23 to 0.31 (moderate-high)
Heat Vulnerability	0.20 to 0.26 (moderate)
Social Vulnerability	0.14 to 0.33 (moderate-low)
Zones of Shared Risk	Shoreline: 7000-09 Ash Creek: 7106-04
Regional Infrastructure Present	MetroNorth/Amtrak, law enforcement, wastewater treatment plant, museums, I-95 and Route 1
Area of Planned Development Present	Downtown Fairfield
Federal Opportunity Zone Present	N/A
Transit-Oriented Development Area	Fairfield Station



GISRC, Suffolk County, UConn/CTDEEP, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA

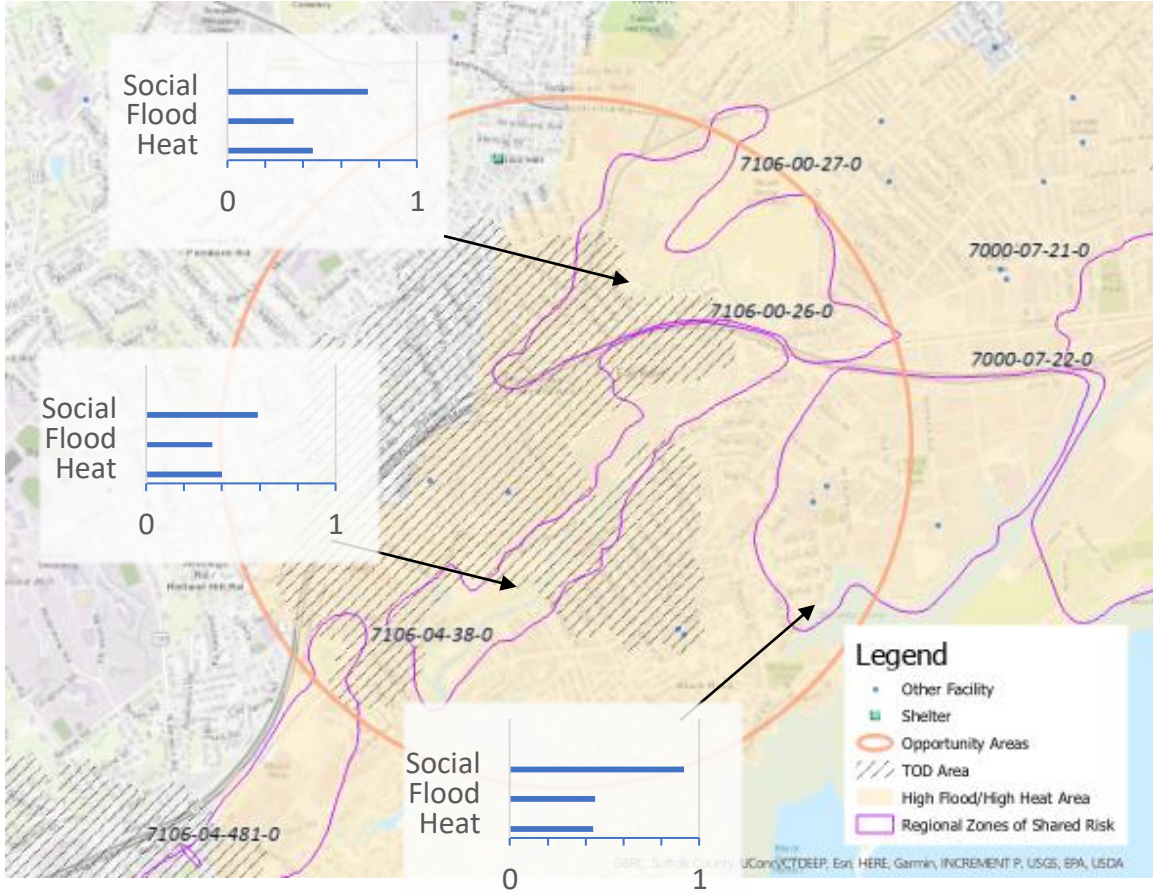
# Resilient Connecticut Phase II

## Potential Regional Adaptation/Resilience Opportunity Areas



Area #2  
 Name: Fairfield Metro  
 Location: Fairfield/Bridgeport  
 Tier 1

Considerations	Characteristics of Area
Flood Vulnerability	0.35 to 0.45 (moderate to high)
Heat Vulnerability	0.40 to 0.45 (high)
Social Vulnerability	0.59 to 0.92 (moderate to high)
Zone of Shared Risk	Ash Creek: 7106-04 and 7106-00 Shoreline: 7000-07
Regional Infrastructure Present	MetroNorth/Amtrak, electric substation, biodiesel plant, I-95, wastewater treatment plant
Area of Planned Development Present	Revitalization of Kings Highway section in Fairfield, West End Redevelopment in Bridgeport
Federal Opportunity Zone Present	N/A
Transit-Oriented Development Area	Fairfield Metro Station



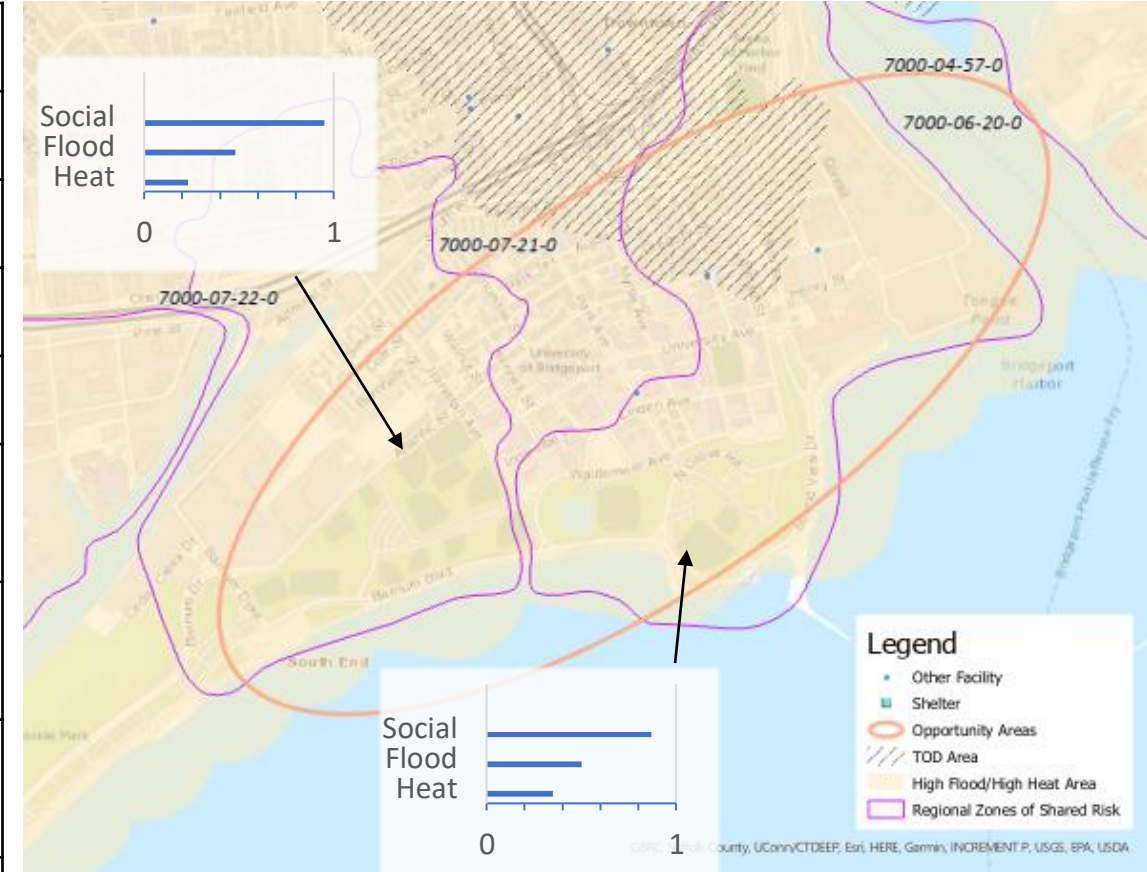
# Resilient Connecticut Phase II

## Potential Regional Adaptation/Resilience Opportunity Areas



Area #3  
 Name: South End  
 Location: Bridgeport  
 Tier 2

Considerations	Characteristics of Area
Flood Vulnerability	0.48 to 0.50 (high)
Heat Vulnerability	0.35 to 0.37 (moderate-high)
Social Vulnerability	0.87 to 0.95 (high)
Zone of Shared Risk	Shoreline: 7000-07
Regional Infrastructure Present	Electric substation, law enforcement, electric transmission
Area of Planned Development Present	N/A
Federal Opportunity Zone Present	South End
Transit-Oriented Development Area	Bridgeport Station



*The Rebuild By Design and Resilient Bridgeport projects are already underway in this area*

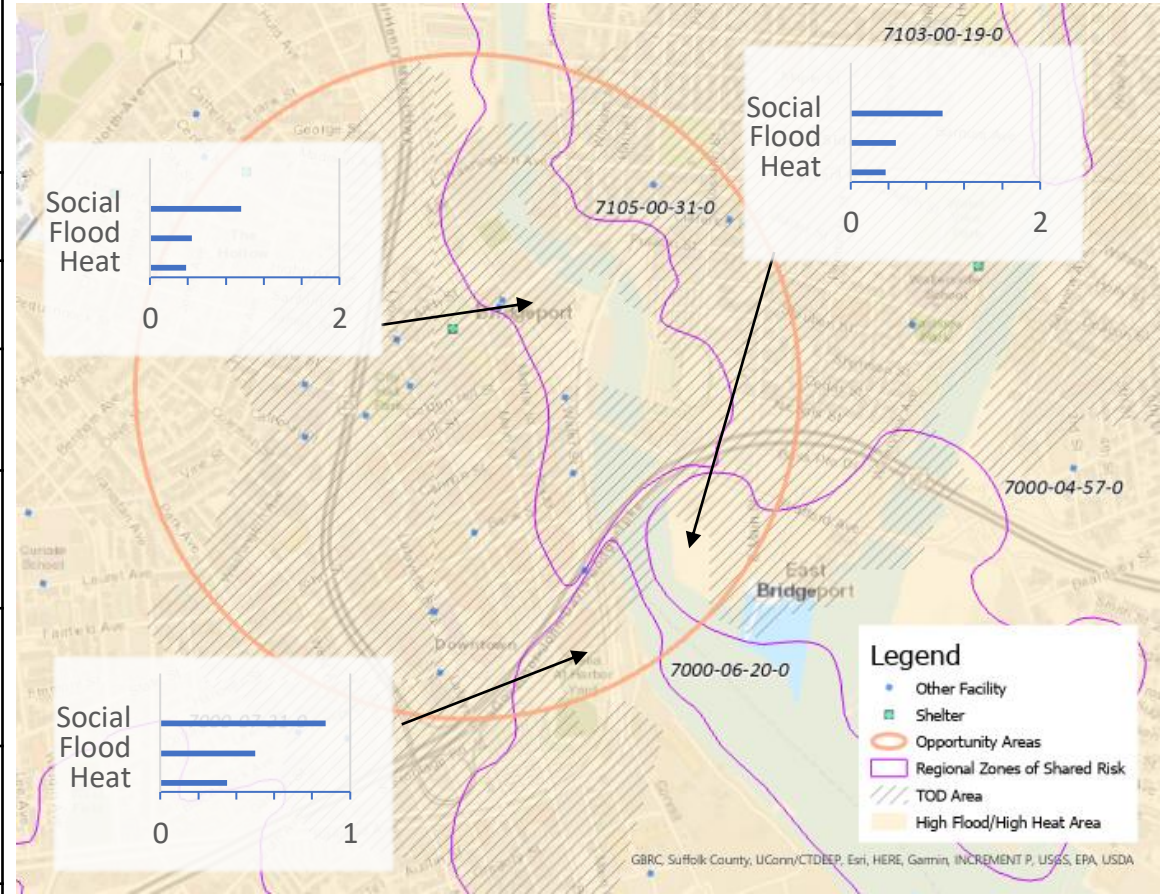
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## Potential Regional Adaptation/Resilience Opportunity Areas



Area #4  
 Name: Downtown  
 Location: Bridgeport  
 Tier 1

Considerations	Characteristics of Area
Flood Vulnerability	0.44 to 0.50 (high)
Heat Vulnerability	0.35 to 0.38 (moderate-high)
Social Vulnerability	0.87 to 0.97 (high)
Zone of Shared Risk	Pequonnock River: 7105-00 Shoreline: 7000-06 & 7000-04
Regional Infrastructure Present	Electric substation, law enforcement, power plant, I-95, Route 8
Area of Planned Development Present	Waterfront Revitalization
Federal Opportunity Zone Present	Downtown
Transit-Oriented Development Area	Bridgeport Station



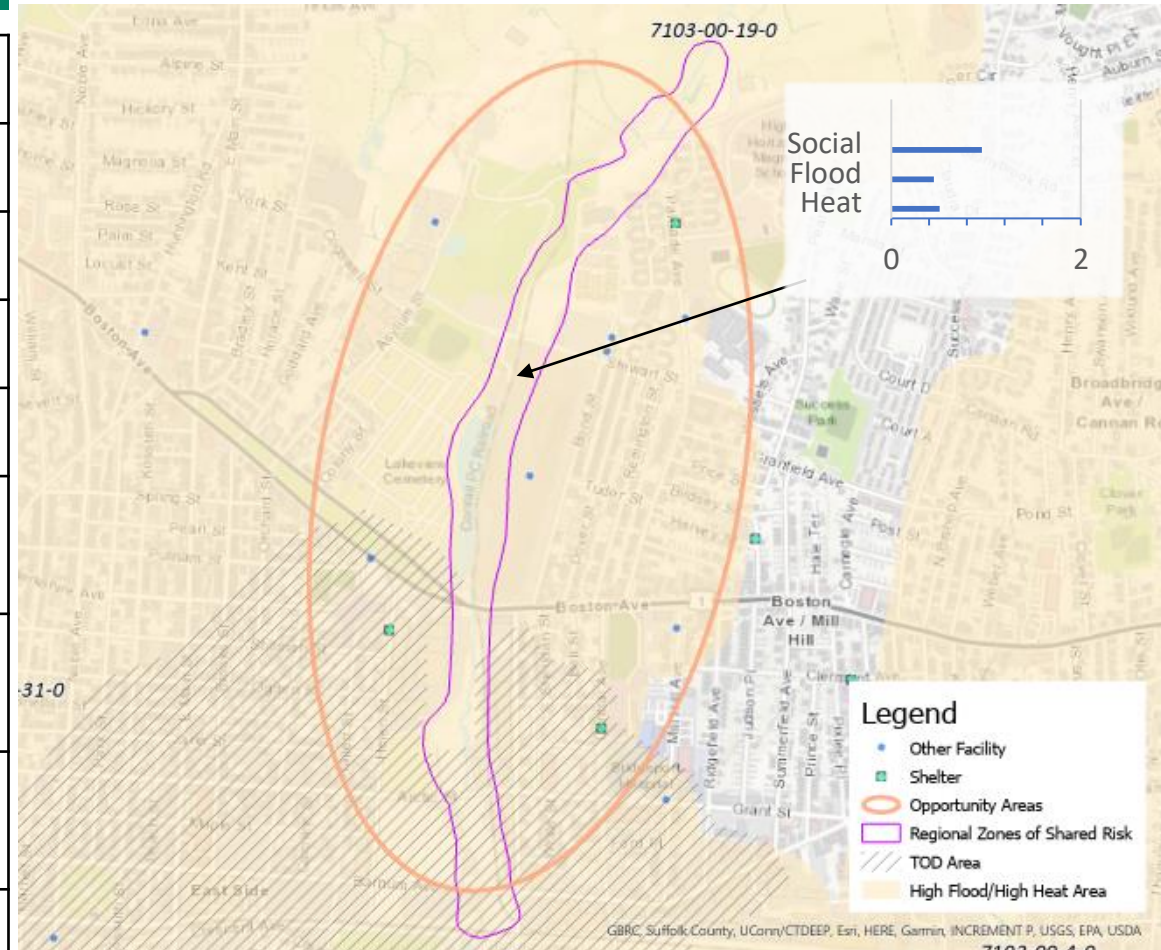
# Resilient Connecticut Phase II

## Potential Regional Adaptation/Resilience Opportunity Areas



Area #5  
 Name: East Bridgeport  
 Location: Bridgeport  
 Tier 2

Considerations	Characteristics of Area
Flood Vulnerability	0.45 (high)
Heat Vulnerability	0.51 (high)
Social Vulnerability	0.96 (high)
Zone of Shared Risk	Yellow Mill Channel: 7103-00
Regional Infrastructure Present	Substation, Metro-North/Amtrak, Boston Post Road
Area of Planned Development Present	N/A
Federal Opportunity Zone Present	East Side
Transit-Oriented Development Area	Potential Barnum Station







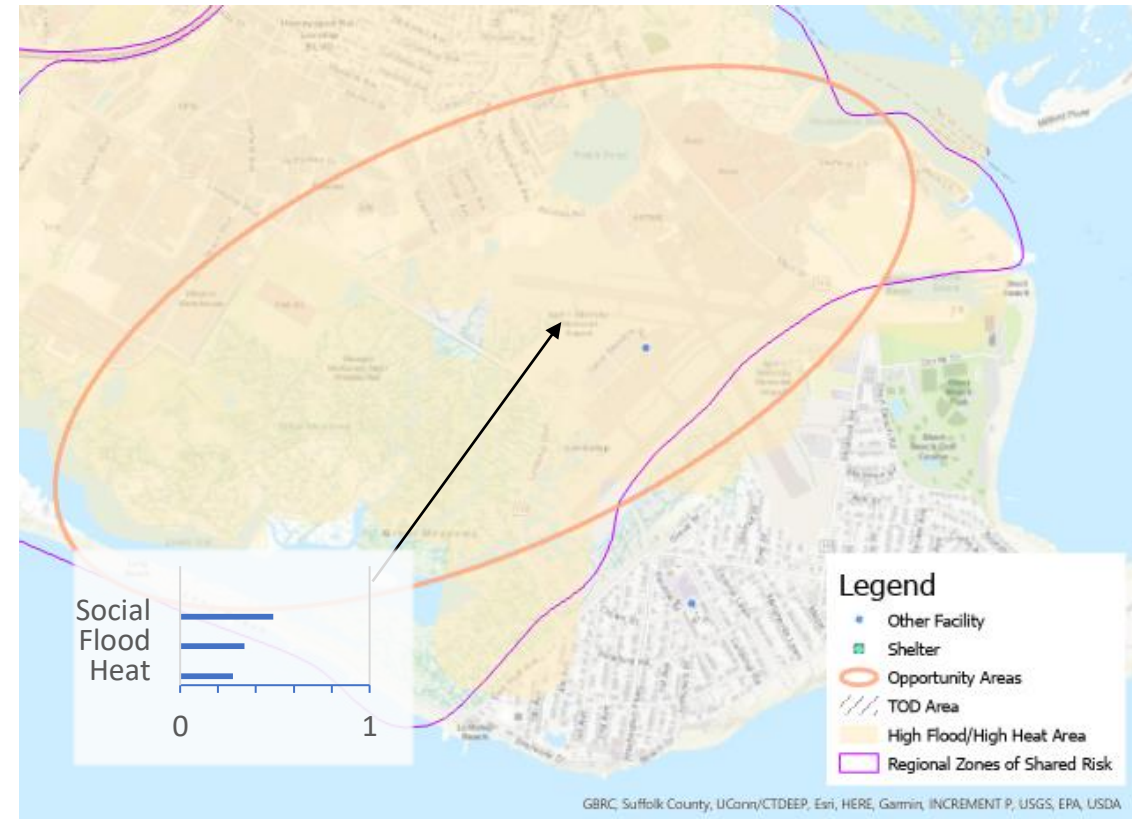
# Resilient Connecticut Phase II

## Potential Regional Adaptation/Resilience Opportunity Areas



Area #7  
 Name: Sikorsky Airport  
 Location: Stratford  
 Tier 2

Considerations	Characteristics of Area
Flood Vulnerability	0.27 (moderate-high)
Heat Vulnerability	0.32 (moderate-high)
Social Vulnerability	0.70 (moderate-high)
Zone of Shared Risk	Lewis gut: 7101-00-2-0
Regional Infrastructure Present	Wastewater treatment plant, Sikorsky Airport, Great Meadows Marsh
Area of Planned Development Present	Lordship redevelopment, Lordship Boulevard Industrial Area
Federal Opportunity Zone Present	N/A
Transit-Oriented Development Area	N/A



GBRC, Suffolk County, UConn/CTDEEP, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA

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## Potential Regional Adaptation/Resilience Opportunity Areas



Area #8  
 Name: South End  
 Location: Stratford  
 Tier 2

Considerations	Characteristics of Area
Flood Vulnerability	0.27 to 0.37 (moderate-high to high)
Heat Vulnerability	0.32 to 0.42 (moderate-high)
Social Vulnerability	0.70 to 0.94 (moderate-high to high)
Zone of Shared Risk	Lewis Gut: 7101-00 Bruce Brook: 7102-00
Regional Infrastructure Present	Metro-North/Amtrak, Wastewater Treatment Plant
Area of Planned Development Present	Lordship redevelopment, Lordship Boulevard Industrial Area
Federal Opportunity Zone Present	Stratford
Transit-Oriented Development Area	N/A

