

Resilient Connecticut Phase II

Potential Regional Adaptation/Resilience Opportunity Areas



Information Packet for SCRCOG 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 SCRCOG 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 SCRCOG 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, “5206” is the Harbor Brook 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 24, 2021 and the SCRCOG meeting of May 26, 2021. Stay tuned for updates in June!

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Potential Regional Adaptation/Resilience Opportunity Areas



Terms to Understand

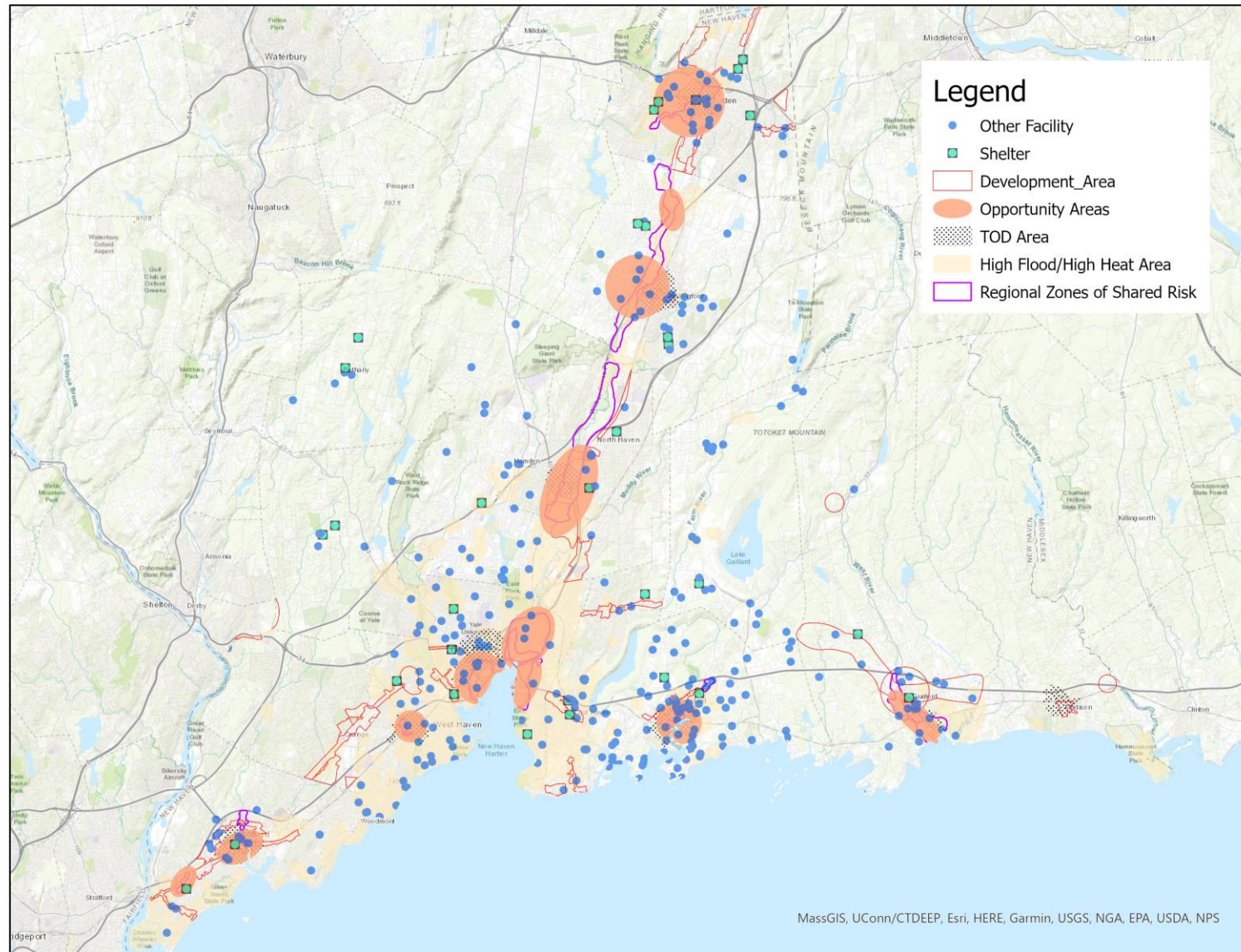
Considerations	Definition
Flood Vulnerability	A contributor to climate risk associated with flooding, this is a combination of flood exposure, flood sensitivity, and flood adaptive capacity.
Heat Vulnerability	A contributor to climate risk associated with heat, this is a combination of heat exposure, 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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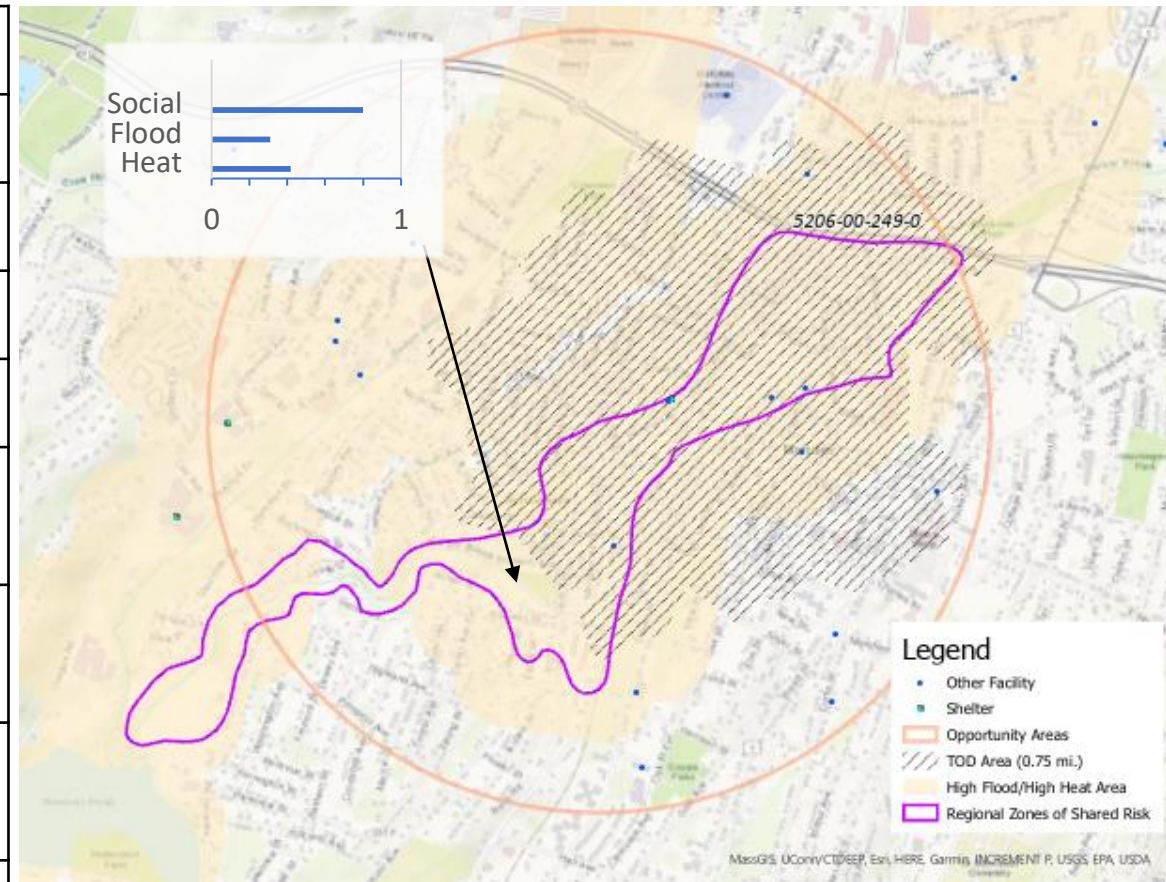
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Potential Regional Adaptation/Resilience Opportunity Areas



Area #1
 Name: Meriden
 Location: Meriden
 Tier 1

Considerations	Characteristics of Area
Flood Vulnerability	0.31 (moderate-high)
Heat Vulnerability	0.42 (moderate-high)
Social Vulnerability	0.80 (moderate-high)
Zone of Shared Risk	Harbor Brook: 5206-00
Regional Infrastructure Present	Electric substation, law enforcement, CTRail/Amtrak
Area of Planned Development Present	West Main St. and East Main St. commercial zone
Federal Opportunity Zone Present	143 West Main Street development project
Transit-Oriented Development Area	Meriden Station



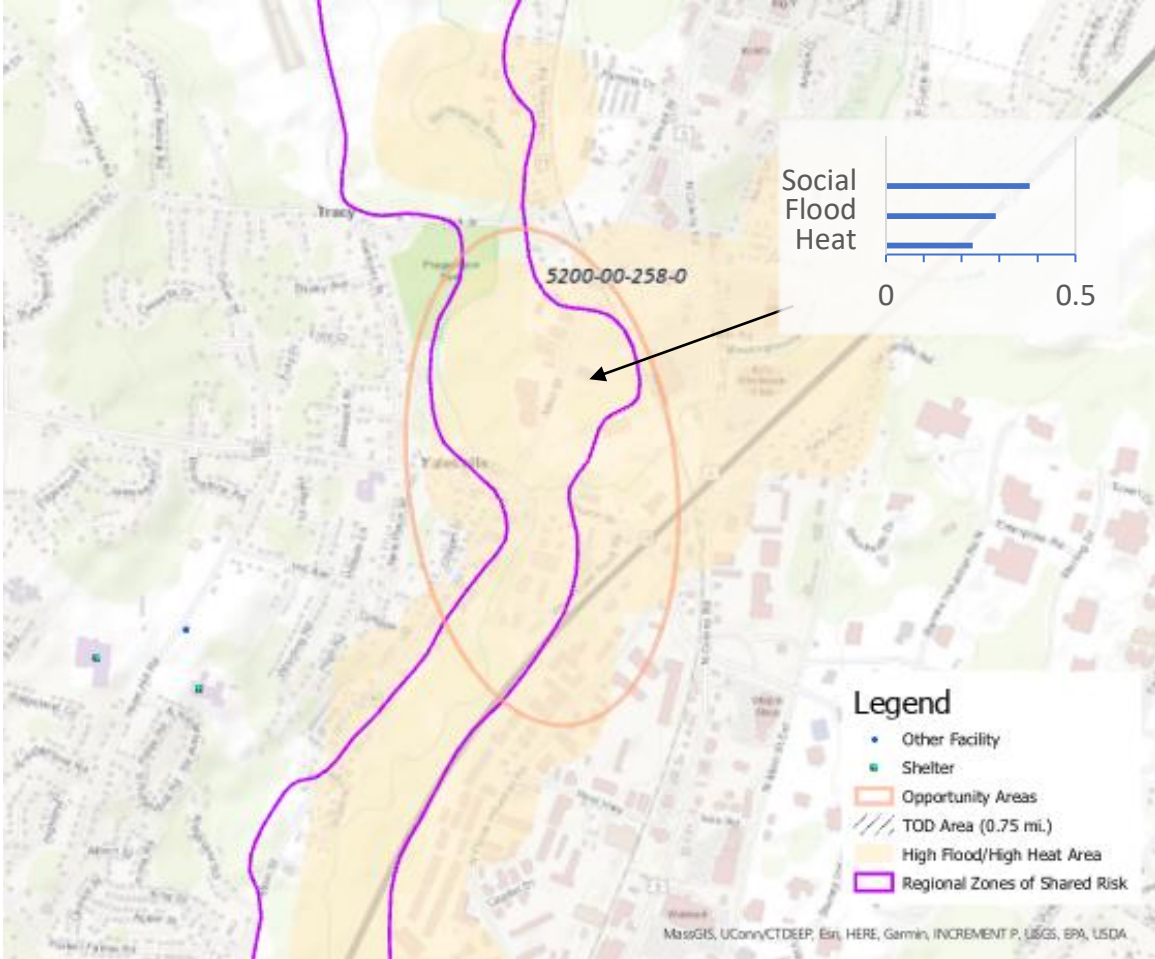
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Potential Regional Adaptation/Resilience Opportunity Areas



Area #2
 Name: Yalesville
 Location: Wallingford
 Tier 2

Considerations	Characteristics of Area
Flood Vulnerability	0.29 (moderate-high)
Heat Vulnerability	0.23 (moderate)
Social Vulnerability	0.38 (moderate-low)
Zone of Shared Risk	Quinnipiac River: 5200-00
Regional Infrastructure Present	Wastewater treatment plant, CTRail, Amtrak
Area of Planned Development Present	Yalesville future land use
Federal Opportunity Zone Present	N/A
Transit-Oriented Development Area	N/A



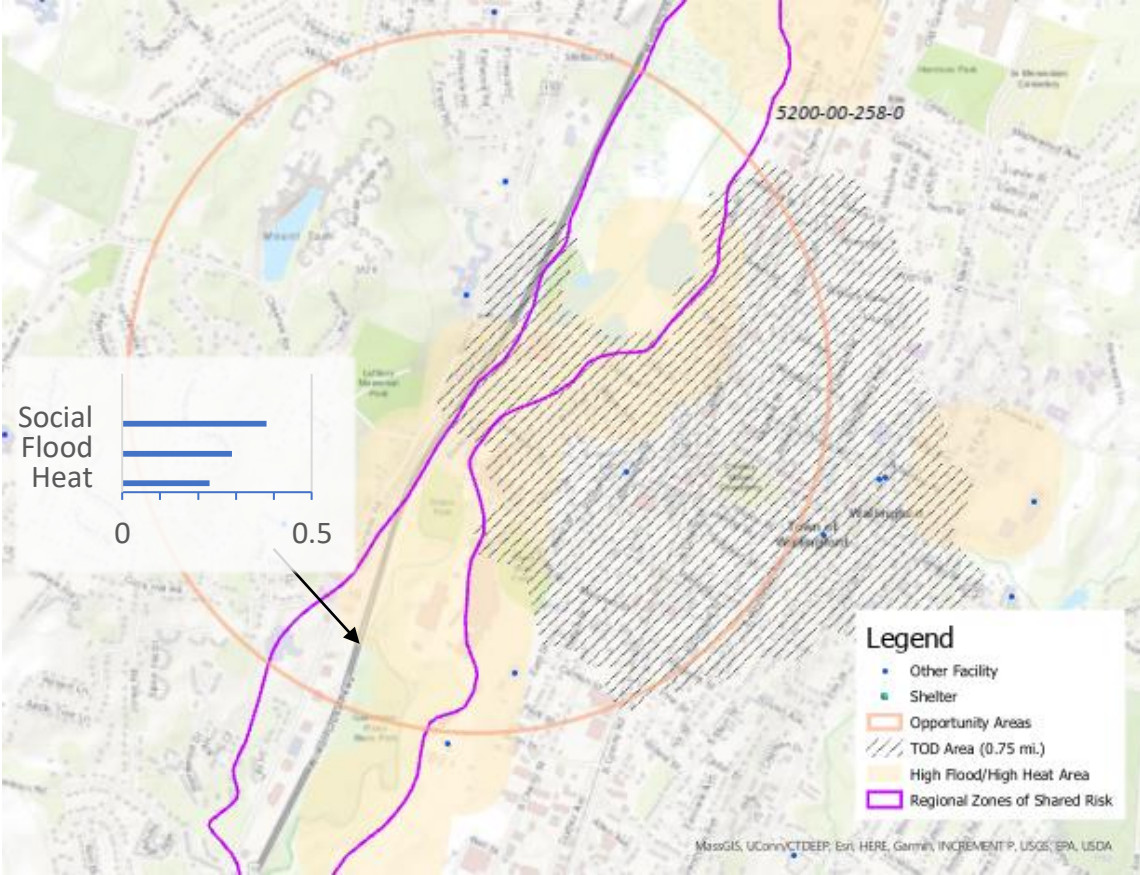
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Potential Regional Adaptation/Resilience Opportunity Areas



Area #3 Location: Wallingford
 Name: Wallingford Center Tier 1

Considerations	Characteristics of Area
Flood Vulnerability	0.29 (moderate-high)
Heat Vulnerability	0.23 (moderate)
Social Vulnerability	0.38 (moderate-low)
Zone of Shared Risk	Quinnipiac River: 5200
Regional Infrastructure Present	Wastewater treatment plant, CTRail/Amtrak, TOD
Area of Planned Development Present	Town Center, Town Center Gateway
Federal Opportunity Zone Present	N/A
Transit-Oriented Development Area	Wallingford Station



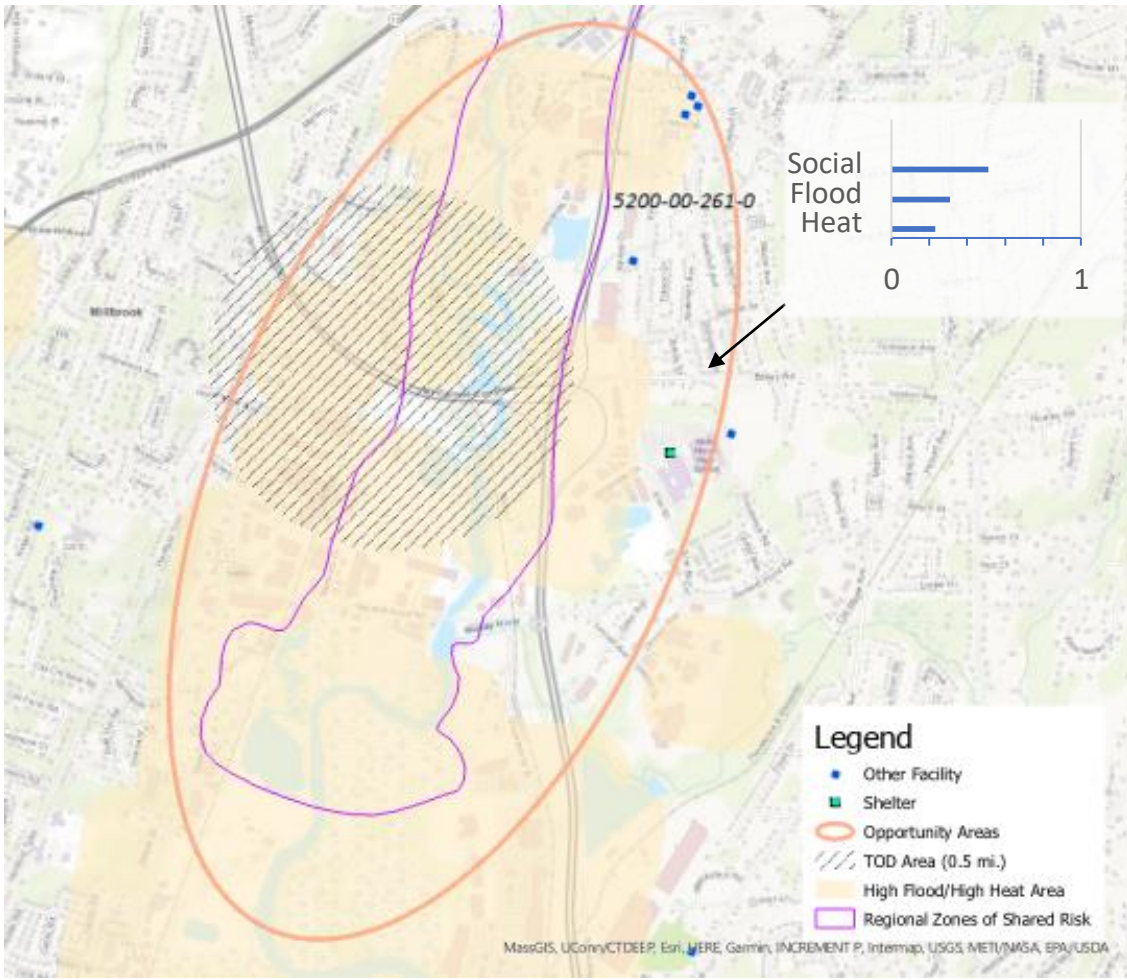
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Potential Regional Adaptation/Resilience Opportunity Areas



Area #4
 Name: North Haven
 Location: North Haven
 Tier 2

Considerations	Characteristics of Area
Flood Vulnerability	0.31 (moderate-high)
Heat Vulnerability	0.23 (moderate)
Social Vulnerability	0.51 (moderate)
Zone of Shared Risk	Quinnipiac River: 5200-00
Regional Infrastructure Present	Electric substation, CTRail/Amtrak, electric transmission
Area of Planned Development Present	Expand Center Block, redevelopment of Upjohn site, expand R&D use
Federal Opportunity Zones Present	N/A
Transit-Oriented Development Area	Potential North Haven Station



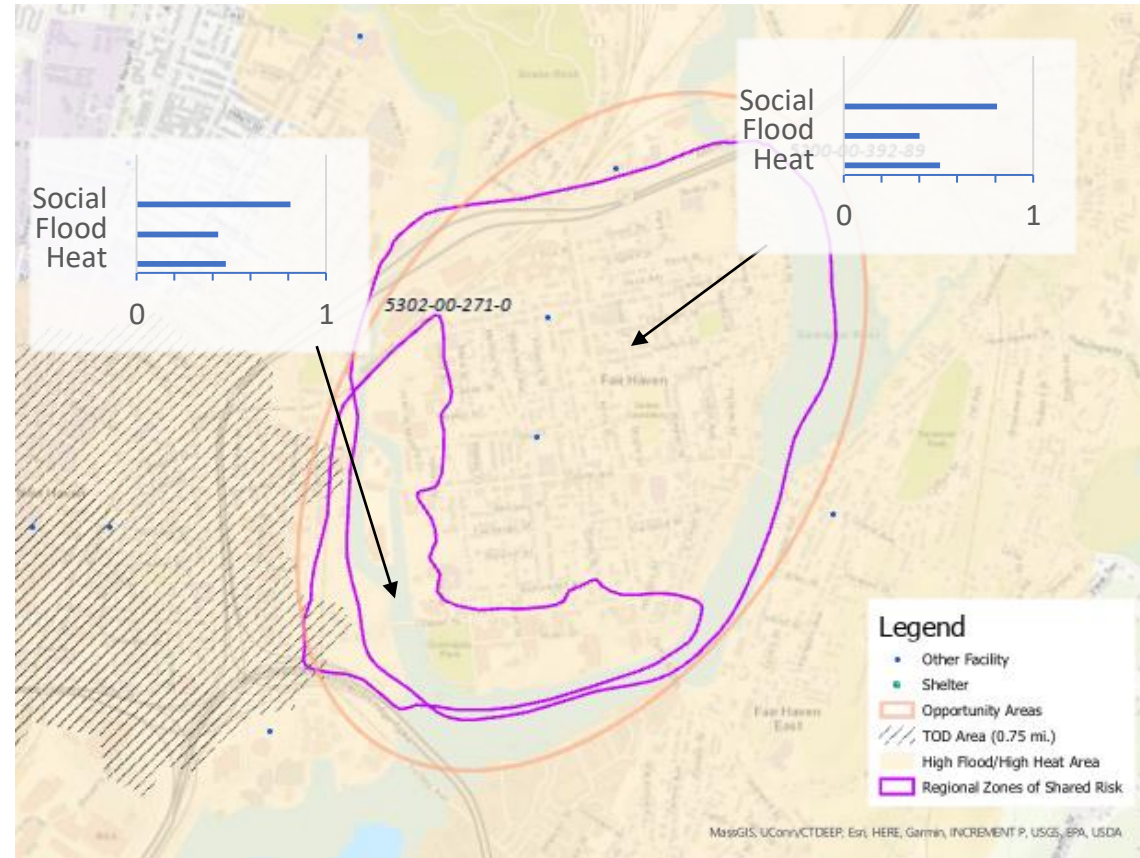
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Potential Regional Adaptation/Resilience Opportunity Areas



Area #5
 Name: Fair Haven
 Location: New Haven
 Tier 2

Considerations	Characteristics of Area
Flood Vulnerability	0.40 to 0.43 (high)
Heat Vulnerability	0.47 to 0.51 (high)
Social Vulnerability	0.81 (high)
Zone of Shared Risk	Mill River: 5302-00 Quinnipiac River: 5200-00
Regional Infrastructure Present	Metro-North/CTRail/Amtrak, electric substations
Area of Planned Development Present	N/A
Federal Opportunity Zone Present	Regan Scrap Metal, Phoenix Press, U-Haul
Transit-Oriented Development Area	Nearby (State Street Station)



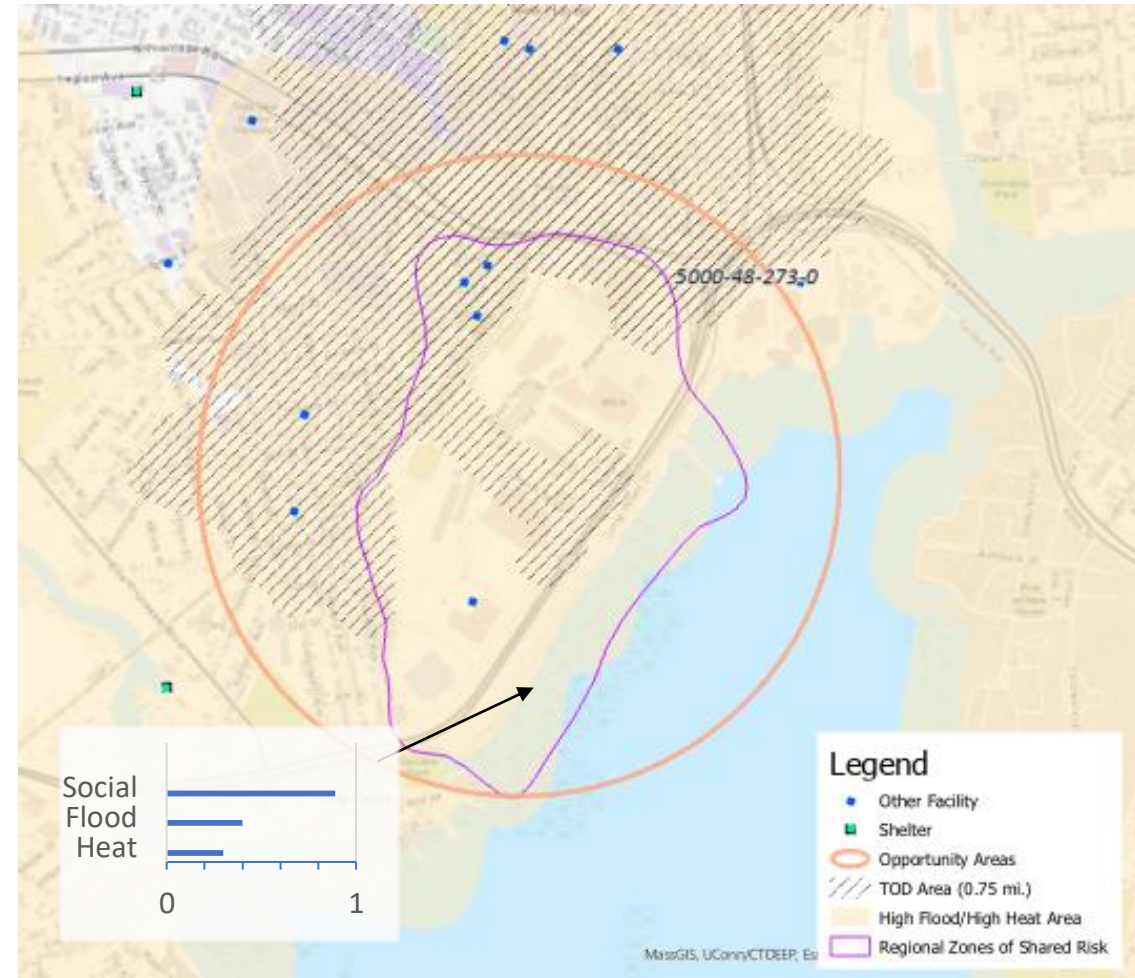
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Potential Regional Adaptation/Resilience Opportunity Areas



Area #6
 Name: Long Wharf
 Location: New Haven
 Tier 1

Considerations	Characteristics of Area
Flood Vulnerability	0.40 (high)
Heat Vulnerability	0.30 (moderate-high)
Social Vulnerability	0.89 (high)
Zone of Shared Risk	Shoreline: 5000
Regional Infrastructure Present	RWA headquarters, law enforcement, regional commerce, museum
Area of Planned Development Present	Long Wharf
Federal Opportunity Zone Present	Church Street South, Food Terminal
Transit-Oriented Development Area	Union Station



Potential Federal Involvement in Flood Protection

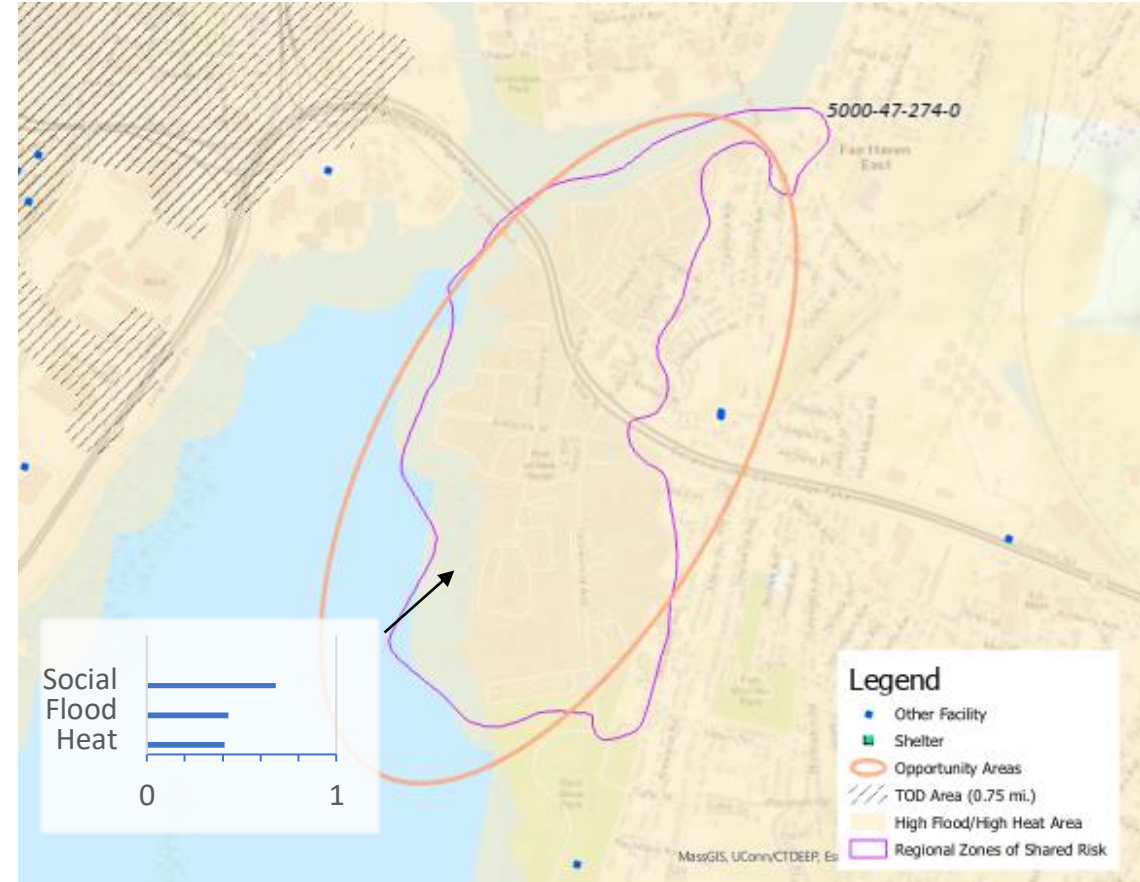
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Potential Regional Adaptation/Resilience Opportunity Areas



Area #7
 Name: Port Area
 Location: New Haven
 Tier 2

Considerations	Characteristics of Area
Flood Vulnerability	0.43 (high)
Heat Vulnerability	0.41 (moderate-high)
Social Vulnerability	0.68 (moderate-high)
Zone of Shared Risk	Shoreline: 5000-47
Regional Infrastructure Present	The port, power plant, electric substation, biodiesel plant
Area of Planned Development Present	Canal/Belle Dock south of Forbes Ave
Federal Opportunity Zone Present	N/A
Transit-Oriented Development Area	N/A



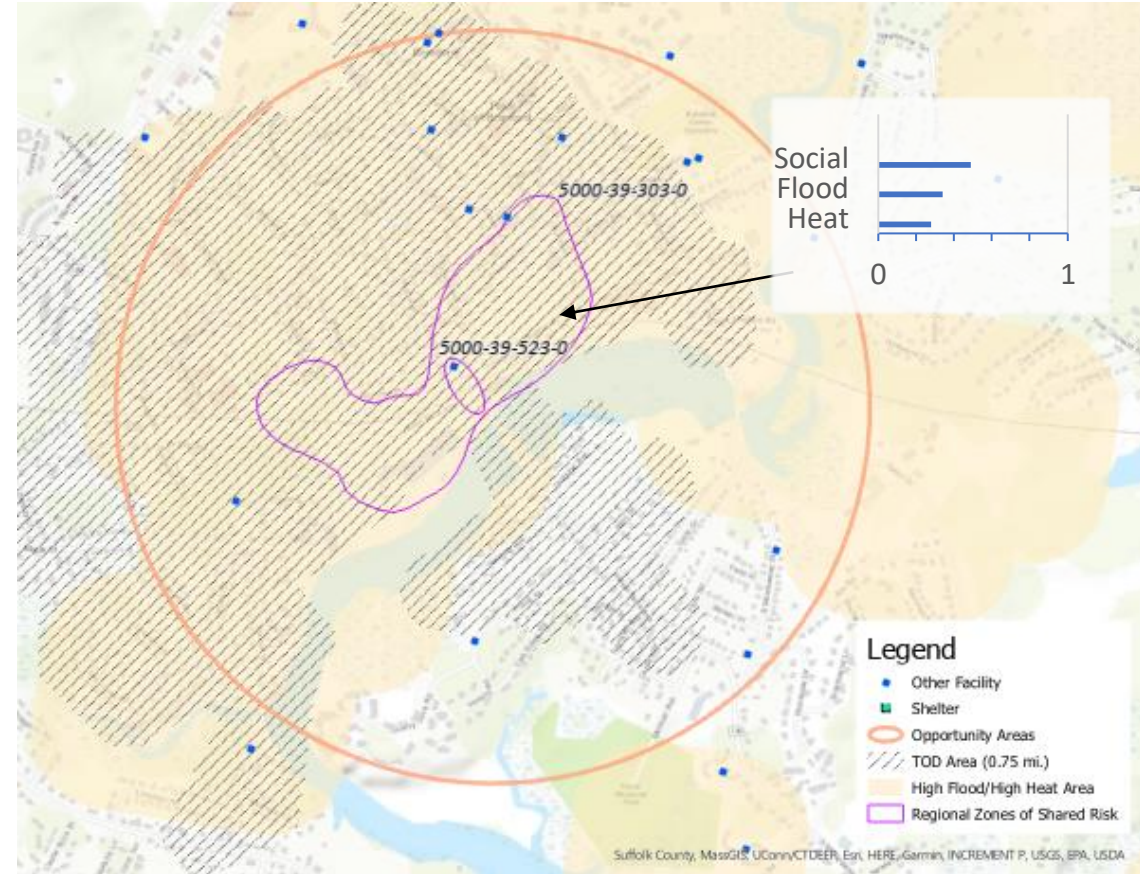
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Potential Regional Adaptation/Resilience Opportunity Areas



Area #8 Location: Branford
 Name: Downtown Branford Tier 1

Considerations	Characteristics of Area
Flood Vulnerability	0.34 (moderate-high)
Heat Vulnerability	0.28 (moderate)
Social Vulnerability	0.49 (moderate)
Zone of Shared Risk	Shoreline: 5000-39
Regional Infrastructure Present	Electric substation, Amtrak/Shoreline East, public sewer and water
Area of Planned Development Present	Branford Center
Federal Opportunity Zone Present	N/A
Transit-Oriented Development Area	Branford Station



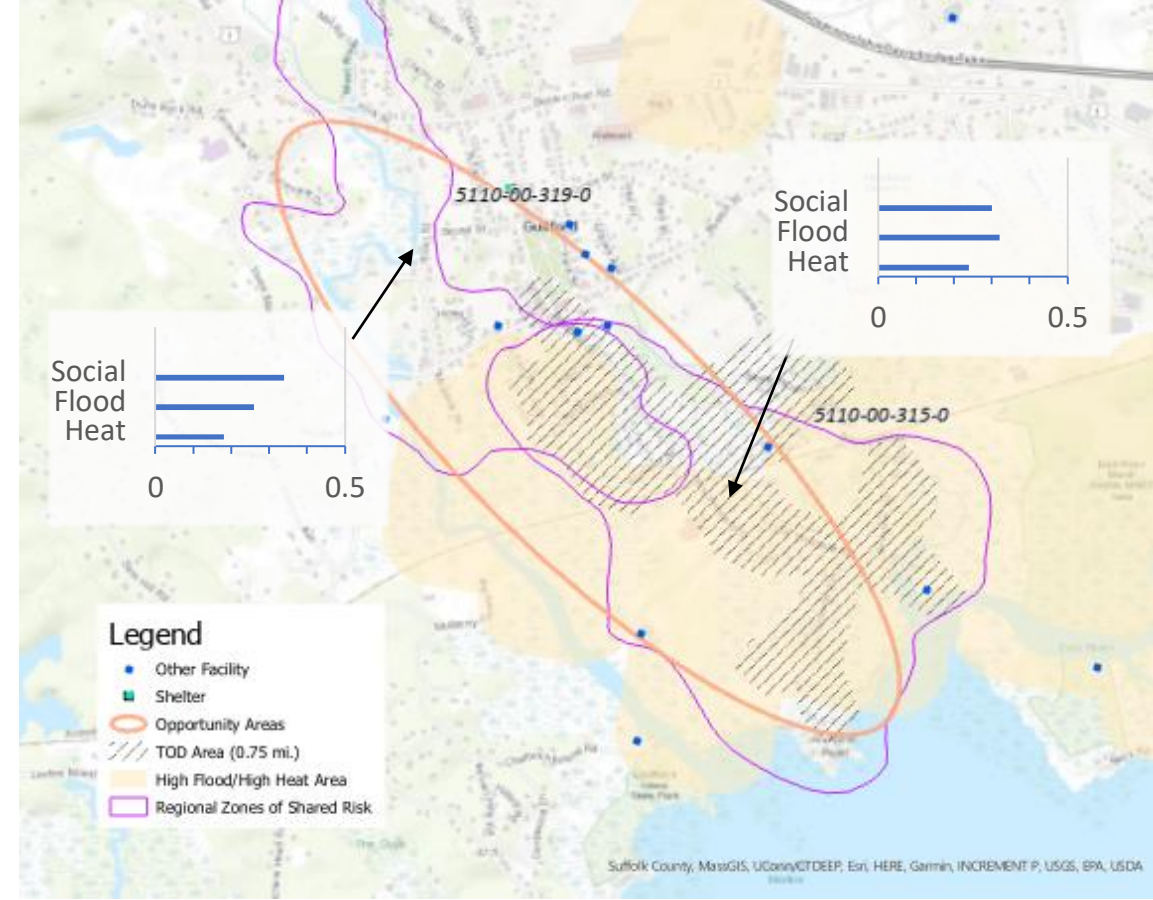
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Potential Regional Adaptation/Resilience Opportunity Areas



Area #9
 Name: Guilford
 Location: Guilford
 Tier 2

Considerations	Characteristics of Area
Flood Vulnerability	0.26 to 0.32 (moderate-high)
Heat Vulnerability	0.18 to 0.24 (moderate)
Social Vulnerability	0.30 to 0.34 (moderate-low)
Zone of Shared Risk	West River: 5110-00
Regional Infrastructure Present	Amtrak/Shoreline East, museum, electric substation, TOD, public water
Area of Planned Development Present	Commercial development & redevelopment
Federal Opportunity Zone Present	N/A
Transit-Oriented Development Area	Guilford Station



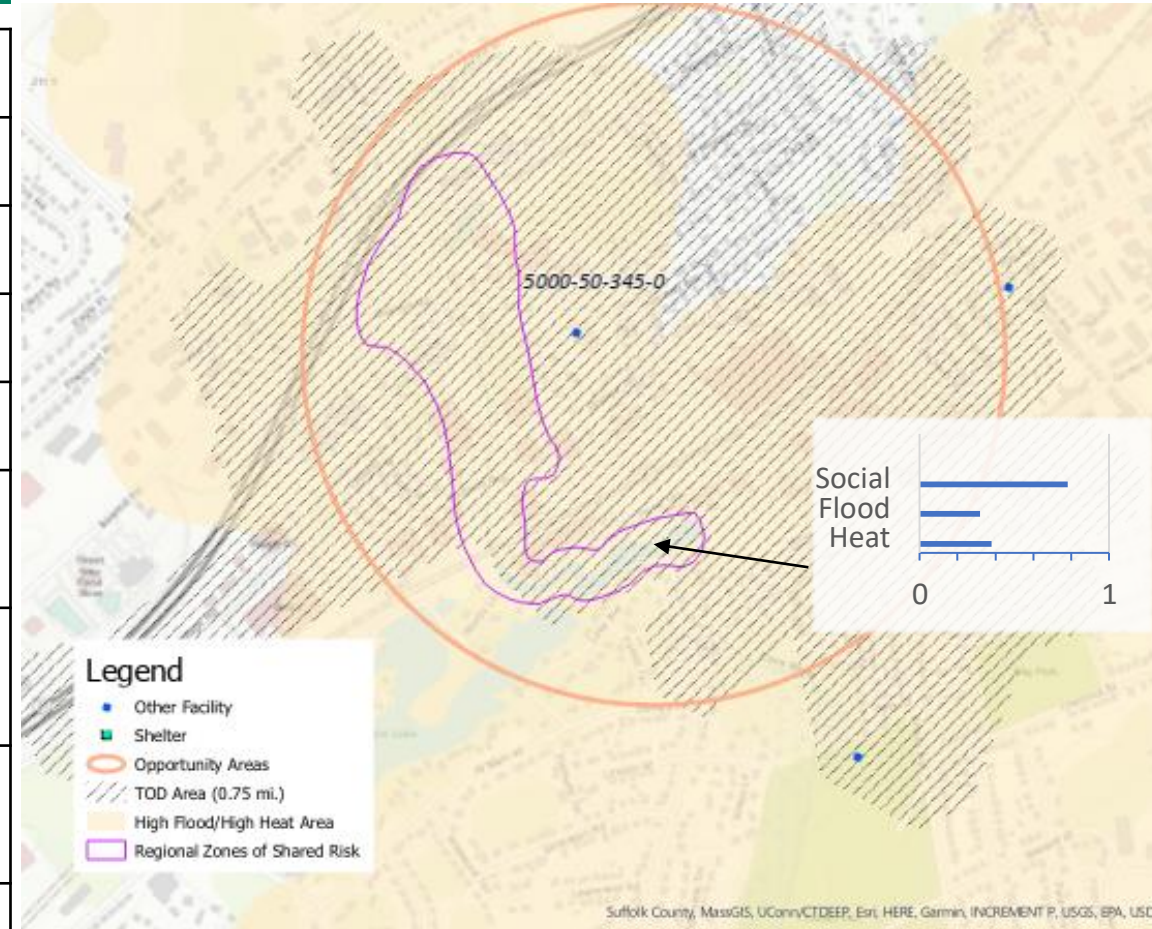
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Potential Regional Adaptation/Resilience Opportunity Areas



Area #10
 Name: West Haven
 Location: West Haven
 Tier 1

Considerations	Characteristics of Area
Flood Vulnerability	0.32 (moderate-high)
Heat Vulnerability	0.38 (moderate-high)
Social Vulnerability	0.78 (moderate-high)
Zone of Shared Risk	Shoreline: 5000-50
Regional Infrastructure Present	I-95, TOD, public water and sewer, Metro-north/Amtrak
Area of Planned Development Present	N/A
Federal Opportunity Zone Present	N/A
Transit-Oriented Development Area	West Haven Station



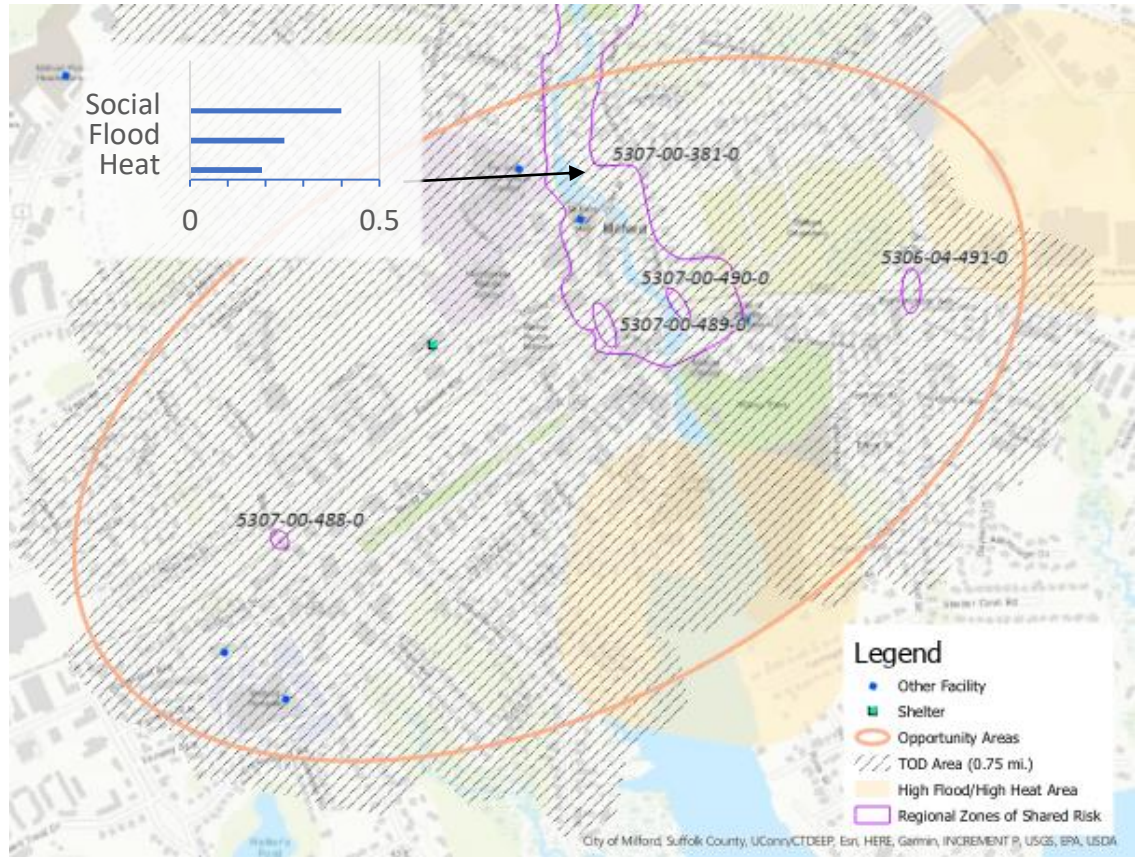
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Potential Regional Adaptation/Resilience Opportunity Areas



Area #11 Location: Milford
 Name: Downtown Milford Tier 2

Considerations	Characteristics of Area
Flood Vulnerability	0.25 (moderate-high)
Heat Vulnerability	0.19 (moderate)
Social Vulnerability	0.40 (moderate)
Zone of Shared Risk	Wepawaug River: 5307-00 Indian River: 5306-04
Regional Infrastructure Present	TOD, public water and sewer, electric transmission
Area of Planned Development Present	Milford Center Design District
Federal Opportunity Zone Present	N/A
Transit-Oriented Development Area	Milford Station



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Potential Regional Adaptation/Resilience Opportunity Areas



Area #12
 Name: Devon
 Location: Milford
 Tier 2

Considerations	Characteristics of Area
Flood Vulnerability	0.25 (moderate-high)
Heat Vulnerability	0.24 (moderate)
Social Vulnerability	0.47 (moderate)
Zone of Shared Risk	Housatonic River: 6000-87
Regional Infrastructure Present	MetroNorth/Amtrak, I-95, public water and sewer
Area of Planned Development Present	Corridor Zone
Federal Opportunity Zone Present	N/A
Transit-Oriented Development Area	N/A

