



## 34 West Hartford

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### Community Overview

West Hartford is a fully suburbanized community that encompasses a land area of 22 square miles with a population of approximately 64,083. Major transportation routes to and through Town include Interstate 84, State Routes 4, 44, 71, 173, 185, 189 and 218. CTfastrak, a regional Bus Rapid Transit System, has two stations in West Hartford, and a Hartford Line commuter rail station is proposed for West Hartford near Flatbush Avenue.

West Hartford is within the Park River Watershed, and contains several reservoirs that supply the Metropolitan District Commission's system. Major watercourses in town include Tumble, Meadow, Piper, Rockledge, and Trout Brooks, and the North Branch of the Park River.

About 21% of the Town's non-agricultural employment is in manufacturing. The Town has several large established commercial districts. New Park Avenue continues to be an area of redevelopment; a new apartment complex constructed on that road adjacent to Trout Brook received state funding and therefore is elevated above the 0.2% annual-chance flood elevation. A redevelopment project is nearly complete at the intersection of Park Road and Prospect Avenue, at the site of an old convent. This site is close to a stream that crosses into Hartford and protective measures were constructed to preserve flood capacity.

The Town hosts the University of Hartford, St. Joseph College and the American School for the Deaf. In August of 2017, the University of Connecticut relocated operations from its West Hartford Campus to downtown Hartford, leaving behind a 58-acre property that is under review for redevelopment. The west parcel, 1800 Asylum Avenue, is proposed for mixed land uses while the east parcel, 1700 Asylum Avenue is proposed for high density apartments. The Town had considered acquisition of the property but has instead decided to allow it to be sold on the public market. Part of the campus is in a Special Flood Hazard Area (SFHA). Since a portion of the property is in a FEMA flood zone, the wetland permit application for this project was withdrawn and then re-submitted to reflect a revised plan.

A new apartment complex at the former convent at the Southwest corner of Park and Prospect is completed but not open. It was under construction during the 2021 storms, which impacted that property and the adjacent stream.

While some development/redevelopment will occur in areas of flood risk, strict adherence to state and local flood regulations and state building codes will reduce overall risk.

### Critical Facilities

Critical Facilities throughout the Capitol Region are listed in Appendix B. In West Hartford these include the Elmwood Community Center (a shelter) and two public high schools (also shelters), the Police Department, Fire Department, and Public Works Department. The Police Department is the Emergency Operations Center (EOC) and the Public Works facility is the backup EOC. The high schools do not have permanent generators, but do have connective capabilities for portable generators. This is also the case for the Town Hall. The Fire Department provides Emergency Medical Services.

**Table 34-1: Critical Facilities, West Hartford**

Facility	Shelter	Cooling Center	Generator
Elmwood Community Center	X	X	Yes
2 High Schools	X		Portable
Town Hall			Portable
Police Department (EOC)			Yes
Public Works			Yes
Fire Department			Yes
3 Public Libraries		X	
West Farms Mall		X	
Mayflower St Community Center			
MDC Facility on New Britain/Hillcrest Ave			
MDC Facility on Talcott			
3 Eversource Substations			

During extreme heat events, Elmwood Community Center, Noah Webster Library, Bishops Corner Library, Faxon Branch Library and West Farms Mall can all be opened as public cooling centers. The Elmwood Community Center currently has a generator and is also used as a town shelter. The Town is planning for, the Elmwood Community Center and Faxon Library to merge into a new community center on Mayflower Street, and the existing Elmwood Community Center building will no longer be used as such. Noah Webster Library, Bishops Corner Library, Faxon Branch Library and West Farms Mall do not have generators.

Town staff also reported that pump stations should be included as critical facilities, although locations are not listed for security purposes.

**Capabilities**

Hazard mitigation is addressed specifically in West Hartford’s Plan of Conservation and Development (POCD). POCD actions specifically address natural hazards.

The Town has experienced significant flooding events in the past and has worked to mitigate the problem over the course of many years. West Hartford participates in the FEMA Community Rating System (CRS), and therefore has many flood-mitigation capabilities and programs in place. The Town was upgraded to Class-7 CRS community during the last 5-year cycle.

The Town of West Hartford undertook significant structural mitigation projects in the early 1980s, including rechanneling the Trout Brook to remove 238 houses from the floodplain. Additional work has been completed in recent years.

In 2001, the Town adopted a Repetitive Flood Loss Plan (RFLP), and has consistently worked to implement the action plan contained within. Recent flood-mitigation work on Trout Brook is expected to help mitigate flooding at RFLP sites. The Town periodically ensures that repetitive flood loss property owners have adequate information for retro-fitting flood-prone structures. The Town also holds regular meetings with residents to provide technical advice on flood protection and flood preparedness. In 2008, in order to remain eligible for participation in the National Flood Insurance Program, the Town revised its floodplain ordinance using adopting language that meets or exceeds federal or state requirements. The revised ordinance improves the Town’s ability to restrict new development in flood

prone areas, and requires buildings in the floodplain be elevated or floodproofed to at least one foot above the base flood elevation (freeboard).

Very little development occurs in flood zones. Since 2008, the Town's Inland Wetlands and Watercourses Commission has approved some regulated activities in areas either identified as floodplain or wetlands. Most of these approvals were for work in regulated inland wetlands areas outside of the floodplain, or for minor structural renovations and site improvements in regulated areas, in accordance with the Town's flood hazard reduction and resource compensation standards. No new structures have been approved in the special flood hazard area. Permitted activities did not result in increased vulnerabilities to flooding and in some cases reduced the community's flood risk. For example, permitted activities included structural stormwater drainage improvements, stream bank stabilization and removal of sediment and debris in floodplain and wetlands that help mitigate flood risks.

West Hartford works closely with the regional energy provider, Eversource, to mitigate power outages caused by natural hazards. Additional mitigation work on Trout Brook, including tree and debris removal, has been completed since adoption of the 2014-2019 Capitol Region Natural Hazards Mitigation Plan Update ("2014 HMP"). Four North Branch Trout Brook Studies were completed by consultants between 2018 and 2023. A fifth study is planned for the Kane and Kennedy Brook watershed area with funding from CTDEEP Climate Resilience Fund. A shack at the Buena Vista Golf Course that was located within a FEMA floodway has been replaced by a new structure outside the floodplain.

The West Hartford Public Works has acquired new snow-removal equipment since adoption of the 2014 HMP, improving its ability to clear streets following storms.

West Hartford was awarded the Bronze Certification level within the SustainableCT program in October 2018.

Since the 2019 HMP, the following actions have been incorporated as capabilities:

- Contact the owners of Repetitive Loss Properties and nearby properties at risk to inquire about mitigation undertaken and suggest options for mitigating flooding in those areas. This should be accomplished with a letter directly mailed to each property owner.
- Conduct outreach to local small businesses with the aim of preventing the accidental release and pollution from chemicals stored and used at their facilities during or following natural hazard events.
- Coordinate with CT SHPO to conduct outreach to historic property owners to educate them on methods of retrofitting their properties to be more hazard-resilient while maintaining historic character.
- Increase the ability of residents and visitors to safely shelter in place and when necessary, evacuate to safer locations, through education, trainings, and warnings.
- Improve transportation access for residents and visitors to emergency shelters.
- Provide specific incident action plan development training to positions and functions of EOC representatives.
- Provide Incident Command training to all personnel for position and function.
- West Hartford was awarded a DCRF award for Kane Brook/Kennedy Brook.
- A recurring Flood Mitigation CIP was created budgeting \$5 Million per year

- Designs are underway to replace Trout Brook culverts located between Route 44 (Albany Avenue) and Asylum Avenue with culverts sized to convey a 100 year storm event
- Flood Mitigation projects are in design for the storm drainage systems near Asylum Avenue/Ballard Drive and Albany Avenue/Wiltshire Lane
- A table top exercise is scheduled in January 2024 for the New Park Avenue Levee Emergency Action Plan

Capabilities to address natural hazards and the losses that they have caused have increased since the last plan has been adopted

## Challenges

### Challenges Overview

Town officials report that flooding continues to be a major concern and was widespread during the 2021 storms throughout the town.

Some of the flooding issues in West Hartford result from sanitary sewer service back-ups. The Metropolitan District Commission (MDC) owns and operates the sewer system in West Hartford. The town is in contact with MDC about disconnecting some residents from combined water/sewer so that their stormwater flows to the stormwater drainage system instead of combined systems. However, town officials report that this can result in street or basement flooding unless additional infrastructure improvements are completed.

In West Hartford, winter storm concerns persist as town staff emphasize the challenge of keeping people warm during extreme weather, while acknowledging the potential shifts in this dynamic because of climate change.

In West Hartford, high winds and downed trees presents a major concern for the community. Any disruption to power supply is a critical issue, with far-reaching consequences that trigger a chain reaction of problems, prompting residents to call upon the town for generators and shelter options. According to the emergency management team, a persistent and significant challenge is the loss of power during storms, exacerbated by a lack of cell service, especially in areas like Avon Mountain and Farmington Avenue near the Farmington town line. While carriers typically advise people to switch to Wi-Fi when they lose cell service, this solution falls short when the loss of power coincides with the loss of cell service, leaving residents in a more vulnerable position.

### Hazard Losses

The economic losses faced by the community from natural hazards can be estimated by reviewing historic loss figures. Loss estimates are summarized below.

#### *Average Annualized Losses*

Average Annualized Loss (AAL) estimates are summarized below. Average Annualized Loss (AAL) figures are useful tools for comparison of the risks faced from different hazards with different likelihoods of occurring in a given time period. AAL estimates were prepared for each natural hazard which may impact West Hartford. National Centers for Environmental Information (NCEI) data, from the last 20 years, was categorized by hazard and averaged based on the proportion of population within each town in the CROG Region. National Flood Insurance Program (NFIP) losses were calculated based on the 50

year span of the program. FEMA Public Assistance (PA) data from the past 11 years was categorized based on hazard and used to compute AAL. United States Department of Agriculture (USDA) from the past 10 years was calculated to get AAL. Expected Annual Loss data from the National Risk Index (NRI) was downloaded and categorized to get AAL for the below hazards. Dam failure data was taken from the 2019-2024 CROCG Hazard Mitigation Plan (HMP) plan since no new dam failures have occurred in the past five years. The 2019 HMP Dam failures were sourced from the 2014 Connecticut Natural Hazard Mitigation Plan Update, with dam failure data supplemented by the National Performance of Dams Program and the Connecticut Department of Energy & Environmental Protection.

**Table 34-2: Average Annualized Losses, West Hartford**

Hazard	Source	Average Annualized Losses (AAL)
Hurricanes/Tropical storms	NCEI	\$164,682.32
	NRI	\$2,376,293.93
	FEMA PA	\$74,118.13
Tornados/High Winds	NCEI	\$61,654.04
	NRI	\$643,130.91
Winter Storms	NCEI	\$48,841.03
	NRI	\$37,031.07
	FEMA PA	\$21,507.99
Flood	NCEI	\$49,917.56
	NRI	\$48,723.32
	NFIP	\$32,127.05
Drought	NRI	\$4,553.49
	USDA	\$0.00
Extreme Heat	NRI	\$72,917.44
Wildfire	NRI	\$2,756.68
Earthquakes	NRI	\$172,366.21
Dam Failure	HMP	\$113.00

#### Losses Summary

A review of the above loss estimates demonstrates that the Town of West Hartford has experienced significant expenses as a result of natural hazards, and is at risk for additional losses if some of the less-frequent events were to occur. These actual and potential losses justify hazard mitigation actions to reduce losses in the future.

#### Mitigation Strategies and Actions

This HMCAP includes new goal statements that are aligned with *Resilient Connecticut* and the efforts of the GC3. The five new goals developed for this HMCAP were developed with cooperation from CIRCA in the *Resilient Connecticut* planning process, and are:

- Ensure that critical facilities are resilient, with special attention to shelters and cooling centers.
- Address risks associated with extreme heat events, especially as they interact with other hazards.

- Reduce flood and erosion risks by reducing vulnerabilities and consequences, even as climate change increases frequency and severity of floods.
- Reduce losses from other hazards.
- Invest in resilient corridors to ensure that people and services are accessible during floods and that development along corridors is resilient over the long term.

The previous goals of the 2019 HMP have been replaced and incorporated into these five new goals in accordance with the explanation in the Multijurisdictional document.

#### Noted Hazard Mitigation Needs

During Plan development, specific hazard mitigation needs of West Hartford were noted.

- To address flooding concerns in West Hartford, the town should focus on improving stormwater drainage systems and enhancing flood mitigation measures. Regular maintenance of existing drainage infrastructure can help manage excess water. Furthermore, educating residents on flood preparedness and offering resources such as sandbags can reduce the impact of flooding.
- The town should continue to work closely with the Metropolitan District Commission (MDC) to find a balanced approach to disconnecting residents from combined storm/sewer systems. This should be done carefully, considering the potential for basement flooding.
- Given the potential challenges posed by climate change, West Hartford can enhance emergency response plans, expand emergency shelter options, and providing resources to vulnerable populations during winter storms as needed.
- To mitigate the impact of high winds and downed trees, the town should invest in proactive tree maintenance and trimming near power lines, especially in areas prone to outages. Additionally, the town should continue to work with Eversource to improve infrastructure resilience can reduce the duration of power outages.

## Status of Previous Mitigation Strategies and Actions

The Town of West Hartford reviewed the mitigation actions proposed in the 2019 HMP and determined the status of each. That information is included in the table below.

**Table 34-3: Status of Previous Mitigation Strategies and Actions, West Hartford**

No.	Action	Notes	Status
10	Define a set of actions to be taken by the Town to increase its Community Rating System rating by at least one tier.	Complete. Todd was uncertain which CRS activities provided the boost, but he provided the draft verification report associated with the verification date of October 12, 2022. The opinion of CIRCA staff is that none of the single line items were responsible. However, the verified credit is only 18 points above the threshold for Class 7. The Town should consider an action to add one more CRS activities such as 520 or 610.	Complete; potentially revise and carry forward
26	Perform a Repetitive Loss Area Analysis (RLAA).	Partially complete. One analysis was completed by the Town's consultant, for two adjoining residential properties. The East Branch Trout Brook culvert replacement will reduce risks in the largest RL area.	Complete
23	Work with CT DEEP to complete a formal validation of the Repetitive Loss Property list and update the mitigation status of each listed property.	To be completed August 2023. Retire action, as it will be complete before the HMCAP is reviewed by FEMA.	Will be complete before 2024/Retire
20	Contact the owners of Repetitive Loss Properties and nearby properties at risk to inquire about mitigation undertaken and suggest options for mitigating flooding in those areas. This should be accomplished with a letter directly mailed to each property owner.	Conducted annually. This is a capability and can be retired.	Complete/Capability
9	Conduct outreach to local small businesses with the aim of preventing the accidental release and pollution from chemicals stored and used at their facilities during or following natural hazard events.	Conducted as needed. This is a capability and can be retired.	Complete/Capability
25	Send property owners along streams a mailer with information about ordinances against, and dangers of, dumping and placing obstructions into streams.	Conducted as annual outreach to all properties in flood zones. This is a capability and can be retired.	Complete/Capability
7	Complete the North Branch Trout Brook flood study.	This study is complete. The town conducted a culvert capacity study as well as a watershed-scale hydrologic study. The town is moving forward with culvert improvement designs.	Complete/Retire

No.	Action	Notes	Status
27	Replace undersized and/or degraded culverts on Trout Brook.	<p>CDM Smith is working on designs for three of these culverts. Two are at 60% design, one at Trout Brook and Asylum Avenue and another at the West side of Trout Brook drive, near former UConn campus.</p> <p>The third is at 30% design, at the intersection of Trout Brook at Lawler, up to Lindy Lane.</p> <p>Fourth one is a state culvert (Route 44/Albany Avenue), so nothing more than concept design has been done for this yet.</p> <p>For the two culverts at 60% design, the permitting process will start soon, funding is in place, and construction will hopefully start next year.</p>	Perhaps carry forward with revisions to indicate progress and specify next steps
28	Stabilize unstable streambanks along Trout Brook.	<p>Not yet done.</p> <p>Town staff said they have reached an agreement with DEEP. DEEP is responsible for maintaining the watercourse banks. With regards to the other tributary branches, the town has not done anything.</p>	Carry forward with revisions.
29	Replace the Fern Street Bridge over Trout Brook to ensure continued operation during future emergency events.	<p>This is in process, with SLR as the consultant to design the bridge. One complication is that they need to replace the water main, which is \$3 million. The total bridge cost is \$7 million. Additional funding will be obtained from CTDOT through CRCOG SLR will do the water main design. At the earliest construction will happen in 2024.</p> <p>In heavy rain events water will actually overtop Fern Road here. Raising the bridge was considered but not implemented because of the houses nearby. They realigned the water course approaching the bridge to reduce scour, but there will still be some flooding during heavy rain events.</p>	Carry forward with revisions to complete this project.
2	Incorporate Low Impact Development requirements into the Subdivision and Zoning Regulations.	In process, but nothing to bring to the Council just yet. Town is actively working on this. This is in POCD and the town would like to get this done.	Carry forward
11	Coordinate with NEMO and CRCOG to share resources and gain technical support for hazard mitigation actions involving stormwater management and public outreach, which have parallel benefits related to MS4 stormwater permit compliance.	The town is compliant with MS4, so this is likely not needed.	Complete / Retire
13	Work with MDC to identify potential hazard mitigation actions for MDC facilities, and list those actions in the next HMP Update.	<p>This should include the two new facilities MDC just constructed, one at New Britain Ave / Hillcrest Ave and the other on Talcott.</p> <p>Pump stations should also be included, although the town staff don't know locations offhand.</p>	Remove, addressed in the Critical Facilities section of the annex
14	Develop a list of local resources, including non-profits, volunteers, and gas-stations and grocery stores with emergency generators, to distribute to residents prior to forecast hazard events.	This is a moving target, but this generally happens on a case-by-case basis.	Complete/ Retire



No.	Action	Notes	Status
1	Develop a prioritized list of emergency generator acquisition, upgrade, or maintenance needs.	This is complete. Town Hall, two high schools, and a fire station all need generators. The town has applied for a grant to fund generators. Revise so that this action calls for completing the installation.	Carry forward with revisions
8	Implement needed improvements to the Emergency Operations Center to withstand high wind and other natural and manmade disasters.	The town is doing a study about relocating the EOC to town hall.	Carry Forward with revisions
18	Explore feasibility and cost/benefit balance of developing a microgrid for the Town Hall and Police Department.	Feasibility review is ongoing.	Carry Forward
19	Construct a new fueling facility for municipal vehicles.	This project is in design with funding in place. Construction is anticipated in 2024.	Carry Forward
6	Determine sheltering supplies needs and increase supplies if needed (cots, water, food, etc.).	Completed. Town entered into an agreement with Red Cross for the high school to be a regional shelter. The town is also part of the response protocol for if there's an issue at Millstone.	Complete / Retire
17	Provide shelter management training to all personnel for position and function.	Completed. CERT team has been established.	Complete / Retire
3	Establish pet sheltering alternatives.	Completed. CERT team will assist.	Complete / Retire
4	Increase the ability of residents and visitors to safely shelter in place and when necessary, evacuate to safer locations, through education, trainings, and warnings.	Ongoing	Capability / Retire
5	Improve transportation access for residents and visitors to emergency shelters.	This isn't something the town has a ton of control over, but could theoretically use fire station vehicles to move people if needed.	Capability/ Retire
15	Provide specific incident action plan development training to positions and functions of EOC representatives.	Ongoing, as new hires continue to come onboard.	Capability/ Retire
16	Provide Incident Command training to all personnel for position and function.	Ongoing, as new hires continue to come onboard.	Capability/ Retire
12	Participate in EMI courses or the seminars and annual conference held by the Connecticut Association of Flood Managers.	Duane hasn't taken these, but he indicated that CIRCA could add this to the list of things to ask Todd.	Carry Forward with Revisions
22	Make progress with the hazard mitigation goals associated with SustainableCT certified actions.	Did not discuss this with town staff but see the footnote below.	Check with town staff.
21	Coordinate with CT SHPO to conduct outreach to historic property owners to educate them on methods of retrofitting their properties to be more hazard-resilient while maintaining historic character.	Conducted as annual outreach to all properties in flood zones. This is a capability and can be retired.	Complete/ Capability

No.	Action	Notes	Status
24	Coordinate with CT SHPO to conduct historic resource surveys, focusing on areas within natural hazard risk zones (such as flood or wildfire hazard zones and areas near steep slopes), to support identification of vulnerable historic properties and preparation of resiliency plans across the state. This action leverages existing resources and best practices for protection of historic and cultural resources through an ongoing statewide initiative by CT SHPO.	Check with Todd.	Carry Forward with Revisions

## Active Mitigation Strategies and Actions

The Town proposed to initiate several new mitigation actions for the upcoming five years. Additionally, a number of actions from the previous planning period are being carried forward or replaced with revised actions. These are listed below.

Each of the following actions has been prioritized based on FEMA guidelines, listed from highest to lowest priority, and numbered.

**Table 34-4: Active Mitigation Strategies and Actions, West Hartford**

Number	Hazard Mitigation and Climate Adaptation Actions	Hazard Mitigation and Climate Adaptation Goal	Type of Action	Responsible Department	Approx. Cost Range	Potential Funding Sources	Timeframe	Priority	Hazard(s)	EJ?	PERISTS Score	STAPLEE Score	PERISTS x STAPLEE =
WH1	Install generators at the Town Hall, the two high schools, and a fire station.	Ensure that critical facilities are resilient, with special attention to shelters and cooling centers.	Preparedness and Emergency Response	Emergency Management	\$100,000 - \$500,000	FEMA HMA	07/2025 - 06/2026	High	All Hazards	Benefits an EJ tract	19	5	95
WH2	Initiate and complete a study to assess the feasibility of relocating the Emergency Operations Center (EOC) to the town hall.	Ensure that critical facilities are resilient, with special attention to shelters and cooling centers.	Preparedness and Emergency Response	Emergency Management	\$10,000 - \$50,000	FEMA HMA	07/2024 - 06/2026	Medium	All Hazards	Benefits an EJ tract	18	4	72
WH3	Explore feasibility and cost/benefit balance of developing a microgrid for the Town Hall and Police Department.	Ensure that critical facilities are resilient, with special attention to shelters and cooling centers.	Preparedness and Emergency Response	Town Manager	\$10,000 - \$50,000	DCRF; FEMA HMA	07/2025 - 06/2026	Medium	All Hazards	Benefits an EJ tract	18	4	72
WH4	Construct a new fueling facility for municipal vehicles.	Ensure that critical facilities are resilient, with special attention to shelters and cooling centers.	Preparedness and Emergency Response	Public Works	\$100,000 - \$500,000	Municipal CIP Budget	07/2025 - 06/2026	Medium	All Hazards	Serves an EJ tract	18	4	72
WH5	Ensure that transportation and transit options are available to bring people to cooling centers.	Address risks associated with extreme heat events, especially as they interact with other hazards.	Preparedness and Emergency Response	Emergency Management	\$10,000 - \$50,000	Transit; IJJA BBFP	07/2024 - 06/2026	High	Extreme Heat	Benefits an EJ tract	19	3	57

Number	Hazard Mitigation and Climate Adaptation Actions	Hazard Mitigation and Climate Adaptation Goal	Type of Action	Responsible Department	Approx. Cost Range	Potential Funding Sources	Timeframe	Priority	Hazard(s)	EJ?	PERISTS Score	STAPLEE Score	PERISTS x STAPLEE =
WH6	Complete the replacement of undersized and/or degraded culverts on Trout Brook at the following locations: 1. Trout Brook and Asylum Avenue 2. West side of Trout Brook drive, near former UConn campus, 3. the intersection of Trout Brook at Lawler, up to Lindy Lane, 4.Route 44/Albany Avenue.	Reduce flood and erosion risks by reducing vulnerabilities and consequences, even as climate change increases frequency and severity of floods.	Structural Project	Public Works	>\$1M	IIJA AOP; FEMA HMA; Municipal CIP Budget	07/2025-06/2028	High	Riverine and Pluvial Floods	Serves an EJ tract	20	5	100
WH7	Work with DEEP to stabilize unstable streambanks along Trout Brook.	Reduce flood and erosion risks by reducing vulnerabilities and consequences, even as climate change increases frequency and severity of floods.	Natural Resources Protection	Public Works	\$500,000 - \$1M	DEEP; NOAA/NF WF; FEMA HMA	07/2024 - 06/2026	Medium	Riverine and Pluvial Floods	Benefits an EJ tract	19	4	76
WH8	Execute the DEEP Climate Resilience Fund (Kennedy/Kane Brook) project and apply for funds to pursue the recommendations.	Reduce flood and erosion risks by reducing vulnerabilities and consequences, even as climate change increases frequency and severity of floods.	Structural Project	Public Works	\$50,000 - \$100,000	DCRF	07/2024 - 06/2026	High	Riverine and Pluvial Floods	Benefits an EJ tract	20	6	120
WH9	Complete the project to replace the Fern Street Bridge over Trout Brook to ensure continued operation during future emergency events.	Invest in resilient corridors to ensure that people and services are accessible during floods and that development along corridors is resilient over the long term.	Structural Project	Public Works	>\$1M	LOTICIP; IIJA AOP, BIP	07/2024 - 06/2026	Medium	Riverine and Pluvial Floods	Benefits an EJ tract	19	4	76

Number	Hazard Mitigation and Climate Adaptation Actions	Hazard Mitigation and Climate Adaptation Goal	Type of Action	Responsible Department	Approx. Cost Range	Potential Funding Sources	Timeframe	Priority	Hazard(s)	EI?	PERSIST Score	STAPLEE Score	PERSIST x STAPLEE =
WH10	Conduct a town wide assessment of stream crossings to identify vulnerabilities and develop a priority list for maintenance and upsizing.	Reduce flood and erosion risks by reducing vulnerabilities and consequences, even as climate change increases frequency and severity of floods.	Structural Project	Public Works	\$10,000 - \$50,000	DCRF; Municipal CIP Budget	07/2025 - 06/2027	Medium	Riverine and Pluvial Floods	Benefits an EJ tract	19	6	114
WH11	Work with the Connecticut Institute for Resilience and Climate Adaptation (CIRCA) to develop an appropriate scope of work to address flooding and extreme heat concerns in Resilient Opportunity Areas (ROARs).	More than one goal.	More than one type	Public Works	\$0-\$10,000	CIRCA	07/2024 - 06/2027	High	Riverine and Pluvial Floods/E xtreme Heat	Benefits an EJ tract	20	7	140
WH12	Pursue additional CRS points in activity 610: flood emergency response.	Reduce flood and erosion risks by reducing vulnerabilities and consequences, even as climate change increases frequency and severity of floods.	Preparedness and Emergency Response	Community Development	\$0-\$10,000	Municipal Operating Budget	07/2024 - 06/2026	Low	Riverine and Pluvial Floods	Benefits an EJ tract	18	7	126
WH13	Incorporate Low Impact Development requirements into the Subdivision and Zoning Regulations.	More than one goal.	Prevention	Community Development	\$0-\$10,000	Municipal Operating Budget	01/2025 - 12/2025	High	All Hazards	Benefits an EJ tract	20	11	220
WH14	Participate in EMI and DEMHS courses or the seminars and annual conference held by CIRCA and the Connecticut Association of Flood Managers.	Reduce flood and erosion risks by reducing vulnerabilities and consequences, even as climate change increases frequency and severity of floods.	Education and Awareness	Community Development	\$0-\$10,000	Municipal Operating Budget	01/2025 and annually during this month	High	All Hazards	Benefits an EJ tract	19	6	114

Number	Hazard Mitigation and Climate Adaptation Actions	Hazard Mitigation and Climate Adaptation Goal	Type of Action	Responsible Department	Approx. Cost Range	Potential Funding Sources	Timeframe	Priority	Hazard(s)	EJ?	PERSIST Score	STAPLEE Score	PERSIST x STAPLEE =
WH15	Review the Connecticut Cultural Resource Information System (ConnCRIS) to identify and understand historic and archaeological resources in areas of hazard risks found here: <a href="https://conncris.ct.gov">https://conncris.ct.gov</a> .	Reduce flood and erosion risks by reducing vulnerabilities and consequences, even as climate change increases frequency and severity of floods.	Property Protection	Community Development	\$0-\$10,000	SHPO; Municipal Operating Budget	01/2026 - 12/2026	Medium	Wildfires /Tornadoes and High Winds/Riverine and Pluvial Floods	Benefits an EJ tract	19	9	171
WH16	Update town website to include hazard mitigation and emergency preparedness tips for town residents, including sections corresponding to each hazard considered in this Plan Update.	More than one goal.	Education and Awareness	Public Relations	\$0-\$10,000	Municipal Operating Budget	01/2025 - 12/2025	Medium	All Hazards	Benefits an EJ tract	18	7	126

Figure 34-1: CIRCA Environmental Justice Rank and Critical Facilities, West Hartford

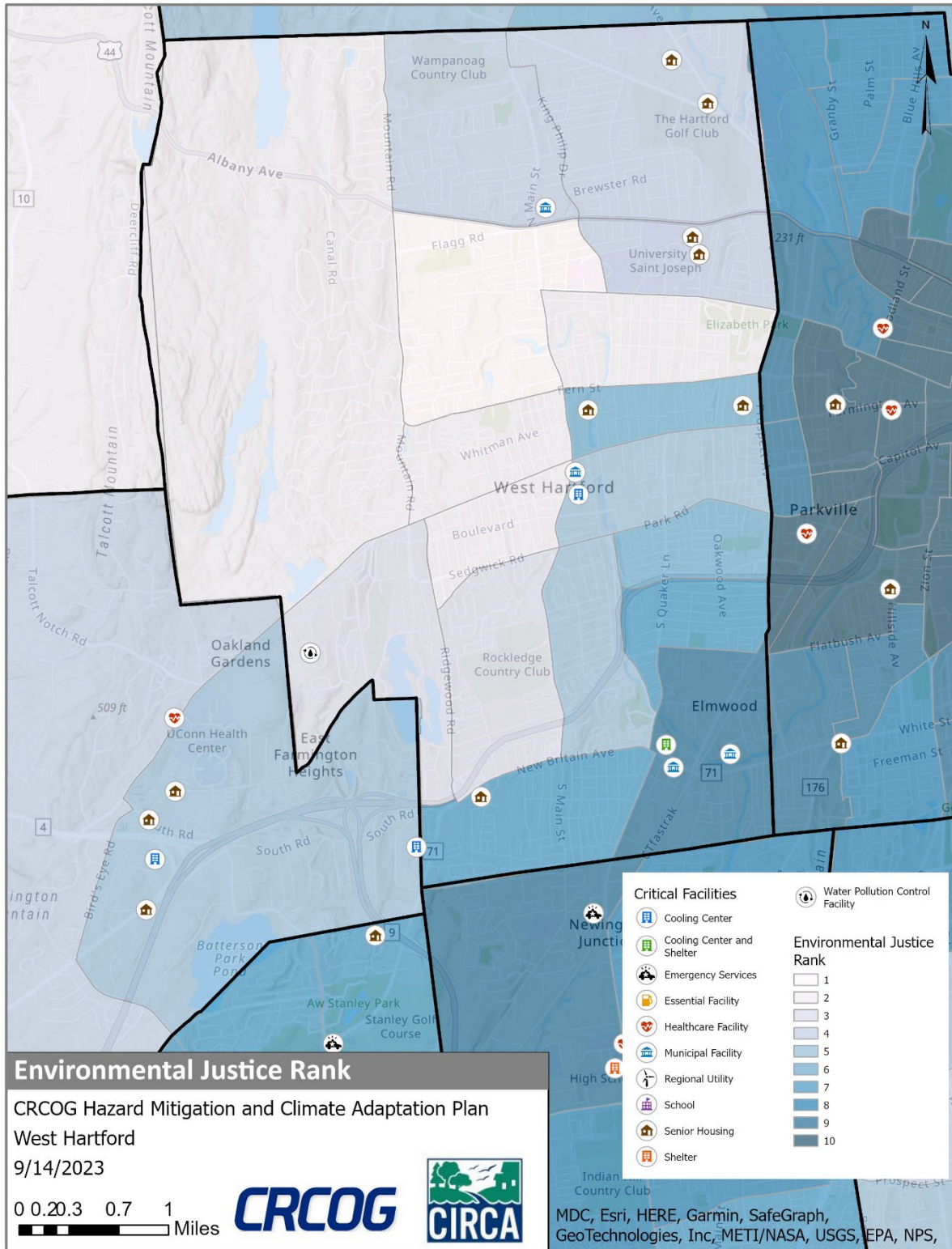


Figure 34-2: FEMA Flood Zones and Critical Facilities, West Hartford

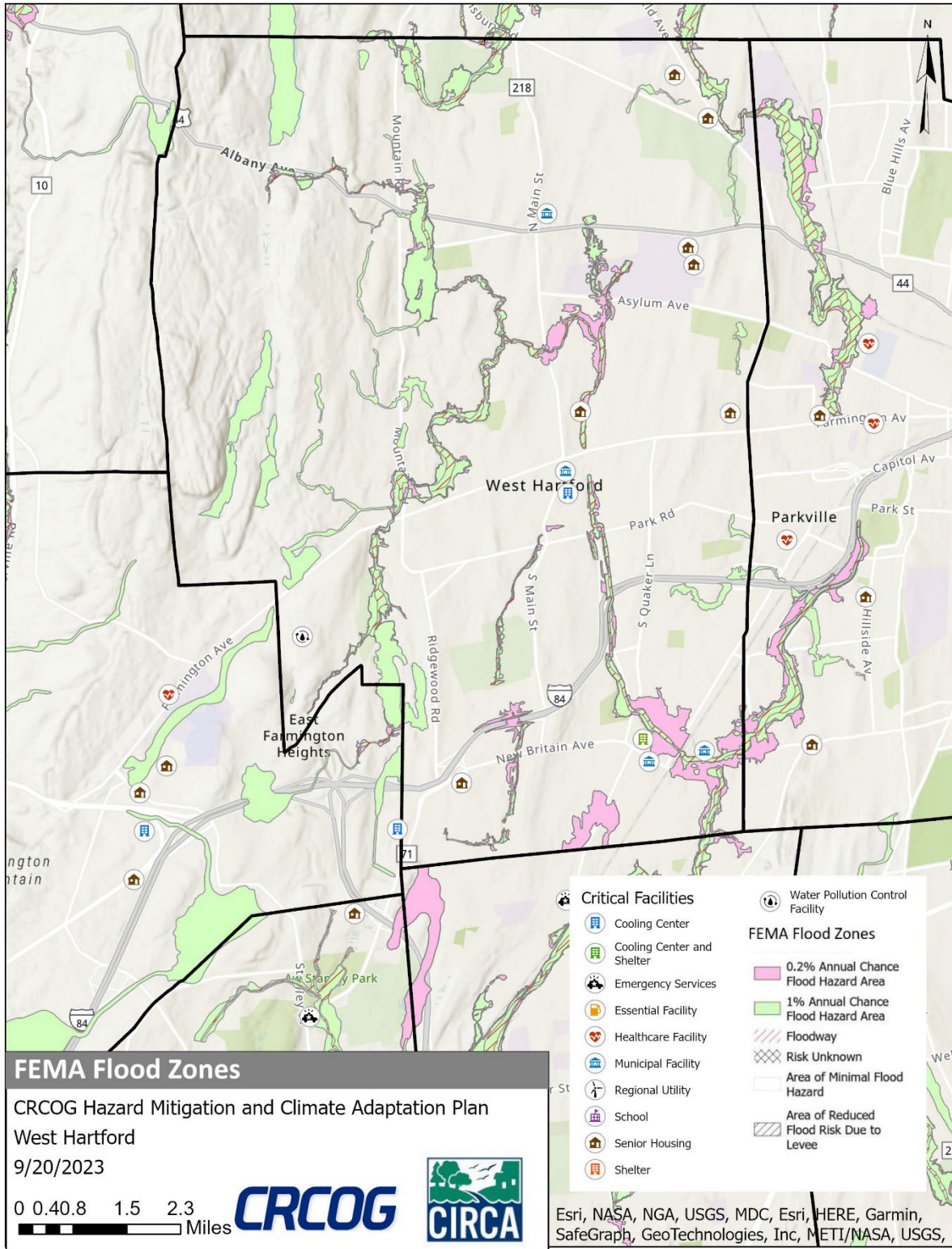




Figure 34-3: CIRCA Flood CCVI and Critical Facilities, West Hartford

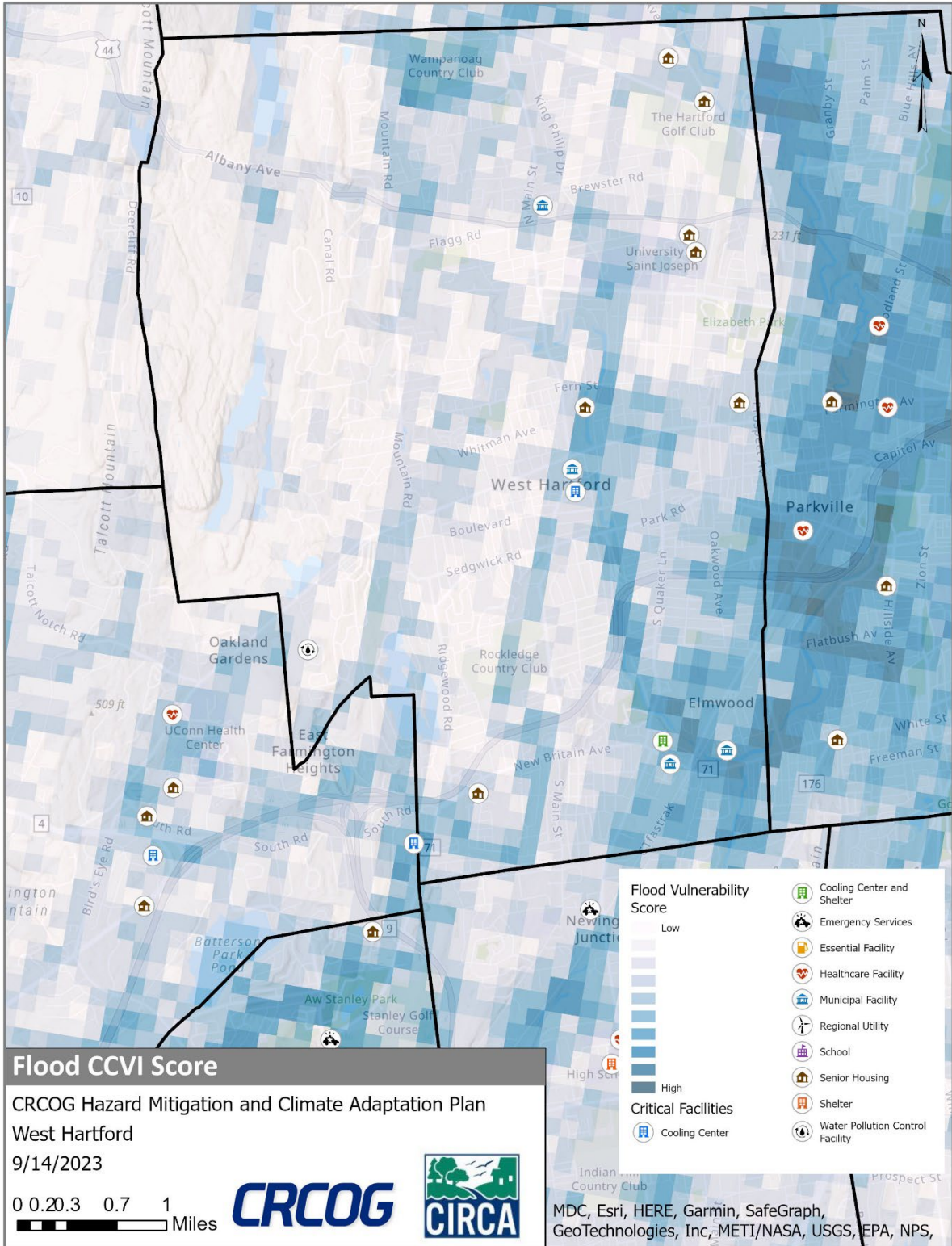


Figure 34-4: Dam Inundation Area and Critical Facilities, West Hartford

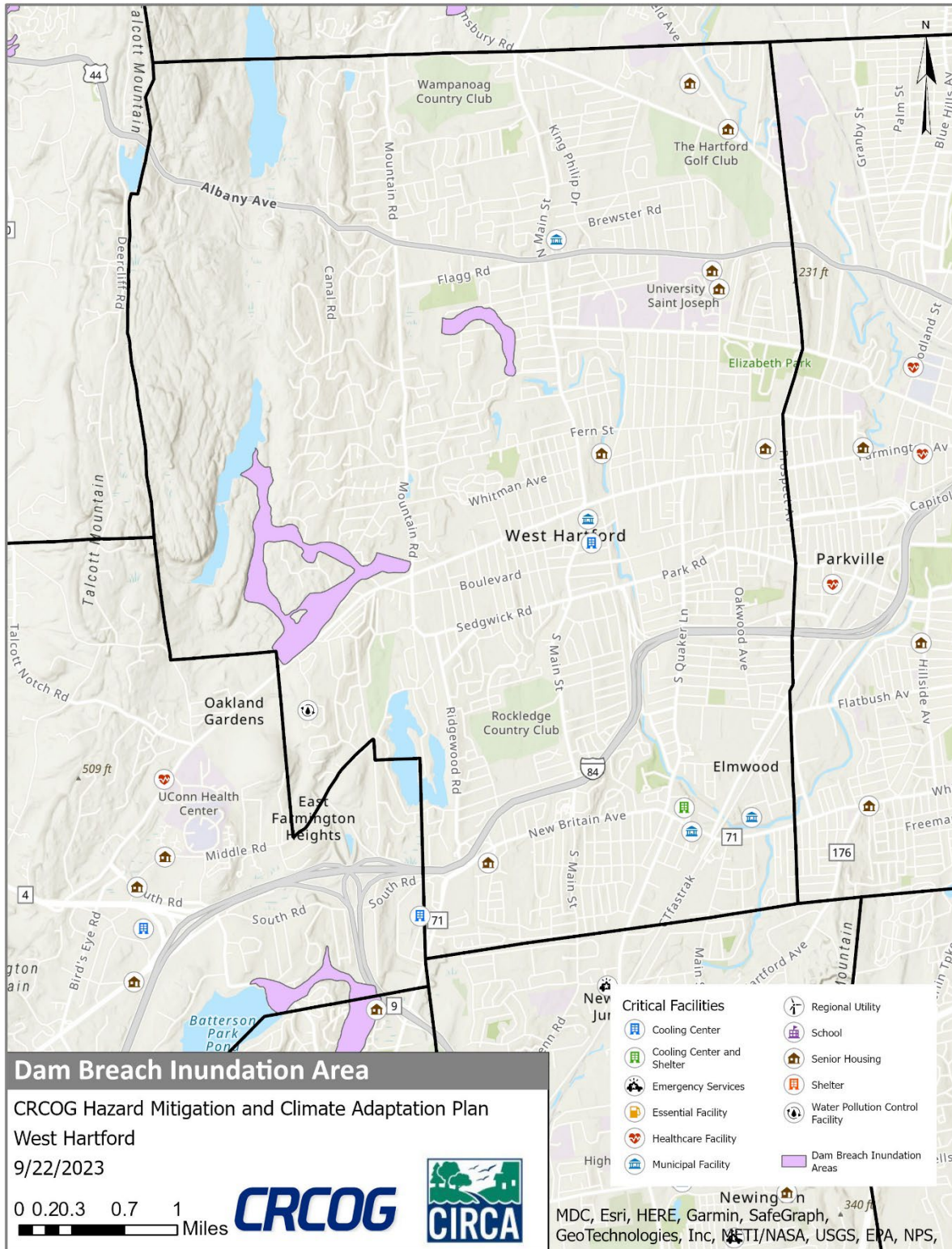


Figure 34-5: CIRCA Heat CCVI and Critical Facilities, West Hartford

