5 Bolton

Community Overview

Bolton is a rural community in Tolland County with a population of about 4,858. The town is approximately 14.4 square miles and has an elevation of about 700 feet above sea level. Bolton's elevation makes it the high point of the three watersheds it is divided among: the Hockanum River watershed, Willimantic River watershed, and Salmon River watershed. Principal watercourses in Bolton include Railroad Brook, Hop River, Porter Brook, Blackledge River and Baker Brook. A portion of the town lies in the Connecticut River watershed via the Roaring Brook subwatershed.

The main industries in Bolton include agriculture, manufacturing of printed circuits, commercial cleaning solvents, candy manufacturing, and small machine shop. Major transportation routes through Bolton include the terminus of Interstate 384 and state routes 44, 6 and 85.

New development has occurred since adoption of the 2014-2019 Capitol Region Natural Hazards Mitigation Plan Update, including a Dollar General and a dentist office at 1100 Boston Turnpike, and east of that is Able Coil. Development/redevelopment is not increasing risk to natural hazards.

Critical Facilities

In Bolton critical facilities include the Town Hall and Town Garage Complex, Resident State Trooper Building, Bolton Volunteer Fire Department, Bolton High School, Bolton Center School, Herrick Park Community Building, Bentley Memorial Library, Notch Road Municipal Center and Bolton Senior Center. The Bolton High School is the primary sheltering facility, with the small Herrick Park Community Building serving as a secondary shelter or warming center.

Bolton also considers a fiber optic cable that runs beneath Route 44 to be a critical piece of infrastructure. This cable is a major transmission line for the eastern part of the State. ConnDOT also has a property on Route 44 that houses a satellite ConnDOT garage and salt storage.

Table 5-1: Critical Facilities, Bolton

Facility	Shelter	Cooling Center	Generator
Herrick Park Community Building	Minor Secondary		X
Bolton High School	Primary		X
Bolton Center School			
Town Garages			X
Town Hall		X	X
Resident State Trooper Building			
Bentley Memorial Library		X	
Bolton Volunteer Fire Department			X
Notch Road Municipal Center			
Bolton Senior Center		X	

Since adoption of the 2014 HMP, a natural gas line was added to a limited area in Town; this fuel source feeds some of the Town's critical buildings, including the Town Hall, Town Garages, Bolton Center School, Resident State Trooper Building, Bentley Memorial Library, Bolton Volunteer Fire Department, and Notch Road Municipal Center.

During extreme heat events, Bolton Bentley Memorial Library, Bolton Town Hall and Bolton Town Senior Services can all be opened as public cooling centers. Generators for the library and senior center are still needed. The Town hall currently has a generator.

Herrick Park Community Building is also a pet friendly shelter.

Capabilities

Bolton's hazard mitigation capabilities include its emergency response departments, primary and secondary shelter, and ordinances regulating land use and development. The Town has many useful links on its website, including to the CRCOG regional online GIS service and to the FEMA disaster awareness resources for children page. Bolton has an Emergency Alert Program and residents are encouraged to sign up on the Town website. Hazard mitigation is addressed specifically in the community's Plan of Conservation and Development (POCD). The HMP document itself is cited. POCD actions specifically address natural hazards.

Bolton's tree warden conducts a tree survey annually to identify those at risk of falling and disrupting municipal operations. Trees are trimmed or removed as needed, based on this survey or public complaints. The Town has a very limited budget dedicated to tree trimming.

Bolton's hazard mitigation capabilities have improved since the previous HMP in a number of ways, including:

- New FEMA mapping is underway for Hop River and Bolton Lakes, improving the Town's understanding of local flood risks.
- A map modernization effort by FEMA is currently underway for Tolland County, generally, but its full extent, and how much of Bolton it will cover, is unknown.
- As part of new MS4 requirements, the Town has recently passed Low Impact Development regulations to minimize stormwater runoff.

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

- Adopt a regular maintenance schedule for keeping drainageways and drainage structures clear, especially following flood events.
- Monitor and maintain drainage and flood control systems through the completion of annual inspections.
- Assess vulnerable population disaster preparedness and emergency assistance protocol to identify opportunities for improvement.
- Implement the recommended improvements as identified in the plan to power residential grinder pumps during prolonged power outages.
- Conduct a review of the Everbridge system and conduct a test to ensure its effectiveness.
- Work with the local electric utility (Eversource) to identify opportunities for improving the resilience of the power grid through tree trimming, hardening, burial, and response training

- Review the Low Impact Development (LID) Regulations periodically and update as needed. Utilize the LID Manual developed by the Northwest Hills Council of Governments.

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

Challenges

Challenges Overview

The Town has a couple of specific areas of concern with respect to flooding, as a result of an under-sized or older culvert. Flooding is typically localized, generally affecting roads rather than facilities and buildings. Bolton officials report that the risk to the Town from flooding is minimal, and undersized culverts and drainage systems are a primary cause of flooding that does occur. Lyman Road has a failing culvert but the town recently completed an inspection of the culvert and has an engineered plan to replace it. The remaining challenge is funding the project.

Dams at various locations are a concern for localized flooding, specifically at Notch Pond Dam and Sperry Pond Dam. The Notch Dam is operated by DEEP and the Sperry Pond is owned privately. When they are clogged, the town communicates with DEEP/homeowner that the Dam needs to be cleaned. The town prefers to trap beavers but this is not always possible. The town has a beaver prevention structure at Deming Road Culvert that requires maintenance.

Bolton noted that the town has been working with Eversource since this last year to do a lot of cutting in the Bolton Notch area, focusing on vegetation in and around power lines. The primary goal here is to reduce power outages from vegetation falling on the power lines, with less of a focus on fire management as stated in the last plan update. The town did notes that they have had two wildfire events there. The terrain is very difficult but DEEP is resistant to removing trees. This property is owned by DEEP, which limits directly undertaking Town actions. There is a large rock with an American Flag painted and attendees believe that people would prefer some visibility from the Greenway, which would require more tree trimming. Have taken the trimming as far as they can given DEEP ownership.

In addition, some areas of Bolton are served by older electrical infrastructure and are especially vulnerable to power outages. As a result, many residents own their own generators; however, the safe operation of generators in houses is a concern to public safety officials. During power outages generators are needed for the operation of grinder pumps serving some residences.

On Mark Anthony Lane, a private road with a bridge washed out during storm Isaias. The bridge has been replaced but not certified. The bridge is the access point for 7-8 houses and if the bridge lacks fire truck certification that raises concerns about emergency vehicle access for the town.

Bolton Pond Brook, serving as the outfall from Lower Bolton Lake controlled by DEEP, has a watershed of significant size. To address neighborhood concerns and Lower Bolton Lake's importance, town staff propose opening a dialogue with DEEP about dam release during severe rainfall events to mitigate flooding.

A homeowner's association owns a dam on Tinker Pond Road, and there are reports of small leaks. Failure to address this issue could lead to downstream consequences that raise concerns among town staff.

Multiple extreme and sudden weather events have been observed by town staff, establishing climate concerns as a primary focus for the town.

While attendees have not observed significant use of cooling centers and express little concern about extreme heat, an ongoing project is underway to identify vulnerable populations through the senior center, tax collector, and fire department. The town aims to provide assistance, such as water and transportation, to those in need.

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 Bolton. 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 CRCOG 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 5-2: Average Annualized Losses, Bolton

Hazard	Source	Average Annualized Losses (AAL)
Hurricanes/Tropical storms	NCEI	$12,484.23
	NRI	$239,896.77
	FEMA PA	$11,335.15
Tornados/High Winds	NCEI	$4,673.87
	NRI	$41,601.12
Winter Storms	NCEI	$3,702.54
	NRI	$19,675.55
	FEMA PA	$5,321.02
Flood	NCEI	$3,784.15
	NRI	$8,048.44
	NFIP	$79.79
Drought	NRI	$3,283.75

Hazard	Source	Average Annualized Losses (AAL)
	USDA	$0.00
Extreme Heat	NRI	$865.67
Wildfire	NRI	$225.56
Earthquakes	NRI	$6,675.17
Dam Failure	HMP	$306.00

Losses Summary

A review of the above loss estimates demonstrates that the Town of Bolton 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 resilt 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

Over the course of Plan development, multiple hazard mitigation needs were noted:

- The Town may wish to further develop a tree-trimming program to protect power lines in the Bolton Notch area. The town should continue to strengthen their debris management protocol and adapt it as needed.
- Funding for the Lyman Road failing culvert that needs to be replaced and upgraded needs to be secured.
- The town should continue dialogue with the property owners on Mark Anthony Lane ir order to facilitate them obtaining the necessary certifications for the newly replaced bridge on Mark Anthony Lane to ensure emergency vehicle access or should ensure different approach to access those houses in emergency situations.
- The town should continue to establish regular communication and cooperation with the Department of Energy and Environmental Protection (DEEP) regarding the dam control at Lower Bolton Lake. Collaborate on a plan to release water during severe rainfall events, aiming to mitigate flooding in the Bolton Pond Brook area and downstream.
- The town should consider ways to educate the homeowner's association on Tinker Pond Road to prioritize the maintenance and repair of the dam.
- The town could investigate developing a comprehensive climate resilience plan to address the observed extreme weather events and their impact on the town.
- Bolton should continue the ongoing project to identify vulnerable populations in the town through the senior center, tax collector, and fire department. Ensure these identified individuals receive regular check-ins, assistance with water supply, and transportation, especially during extreme weather events to enhance community safety and well-being.

Status of Previous Mitigation Strategies and Actions

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

Table 5-3: Status of Previous Mitigation Strategies and Actions, Bolton

No.	Action	Notes	Status
1	Consider and document the labor resource needs and benefits of participation in the Sustainable CT program.	The town joined Sustainable CT in 2020	Completed /retire
2	Assess vulnerable population disaster preparedness and emergency assistance protocol to identify opportunities for improvement.	Happens on an ongoing basis. Capability.	Intent is Completed /retire
3	Develop informal arrangements with private contractors for emergency tree/debris removal and evaluate these arrangements on an annual basis.	Have had some conversations. Have this under control. When the town is expecting a heavy storm with tree damage, they have a relationship with tree care vendors and get them on the schedule to be out here before the storm hits.	Intent is Completed /retire

No.	Action	Notes	Status
4	Adopt a regular maintenance schedule for keeping drainageways and drainage structures clear, especially following flood events.	Before or after every rain town staff check drainageways and make sure everything is clear. This regular maintenance is a capability.	Completed /retire
5	Monitor and maintain drainage and flood control systems through the completion of annual inspections.	Town staff asked how much of this monitoring/maintenance happens when completing the MS4 paperwork every year, as the town is on track with its MS4 requirements. Will check on but likely a capability.	Intent is Completed /retire
6	Update Everbridge system participant list and perform tests on an annual basis.	The town has an Everbridge system (separate from CTAlert), which is used multiple times a year. They do not perform tests, but because they use it regularly they are sure it is working; the town employees use it themselves. At regular intervals, the town reminds residents that they have this system and to sign up.	Intent is Completed /retire
7	Develop and implement a tree trimming program for Bolton Notch to reduce fuel loads for wildfires, in addition to building a fire break for this area.	The town has been working with Eversource since this last year to do a lot of cutting in this area, focusing on vegetation in and around power lines. The primary goal here is to reduce power outages from vegetation falling on the power lines, with less of a focus on fire management. But they have had two wildfire events there. The terrain is very difficult but DEEP is resistant to removing trees. This property is owned by DEEP, which limits directly undertaking Town actions. There is a large rock with an American Flag painted and attendees believe that people would prefer some visibility from the Greenway, which would require more tree trimming. Have taken the trimming as far as they can given DEEP ownership. This is an ongoing area of interest for the town/still an area of concern.	Carry Forward with Revisions
8	Implement the recommended improvements as identified in the plan to power residential grinder pumps during prolonged power outages.	A plan is in place and grinder pumps have been powered multiple times. The town staff don't believe further improvements are needed.	Completed /retire
9	Develop and implement, in conjunction with DEEP and DOT, a solution for the Notch Pond Dam issues and address silting of Notch Pond to reduce flood risks and provide a possible firefighting water supply.	This dam is owned by DEEP. DEEP wants to transfer ownership of the dam to the Town of Bolton, but town staff are concerned about the state of the dam and whether they would be in violation of DEEP standards once they owned it. Not much movement here. They would like DEEP to clean/maintain the dam more than the present level of maintenance.	Carry Forward

No.	Action	Notes	Status
10	Make information about available assistance for property acquisition or relocation available at Town Hall and on the Town website	Town staff can't think of any properties in Bolton that are built in a flood plain. New construction is not permitted in a flood plain. One neighborhood has a private bridge that is vulnerable and washed away. No house has complained of flooding issues. Look into.	No longer needed/retire
11	Develop written protocols for optimal communications with new gas company.	The company in question is CT Natural Gas. The town regularly communicates with CT Natural Gas with no issue. Their contacts have been added to dispatch center so during emergencies they are easy to communicate with.	Complete/ retire
12	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.	The LEPC reportedly reviews manufacturing with hazardous chemicals.	Complete/ retire
13	Conduct a review of the Everbridge system and conduct a test to ensure its effectiveness.	This was covered in Action 6.	Complete/ retire
14	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.	Bolton's MS4 is all set and they do not need further coordination here.	Complete/ retire
15	Pursue agreement with landowner of the small private pond that is a good location for a dry hydrant to install a dry hydrant at that site.	The dry hydrant went in two years ago.	Complete/ retire
16	Work with the local electric utility (Eversource) to identify opportunities for improving the resilience of the power grid through tree trimming, hardening, burial, and response training	This is ongoing. Trimming 21 miles of road this year. Bolton has also had a very robust tree trimming budget. Bolton has been hit hard with the Emerald Ash Borer. Bolton has been ahead of the game with tree trimming so will begin to cut their budget. $50,000 a year was being spent on tree trimming.	Complete/ retire
17	Educate private property owners on how to properly maintain culverts, spillways, and other drainageways to prevent obstructions, especially as related to beaver activity.	The town does work to manage beaver activity. The town has put some effort into trying to educate individuals but reportedly does not get a lot of cooperation. Combine/rewrite the beaver actions.	Carry forward with Revisions
18	Participate in EMI courses or the seminars and annual conference held by the Connecticut Association of Flood Managers.	Town staff does not consistently attend the conference by the Association of CT Flood Managers, but the flood manger does participate in ongoing training.	Intent is completed /retire.

No.	Action	Notes	Status
19	Conduct public outreach on the safe operation of generators, including posting information to the town's website, and enhance permit enforcement for the correct installation of generators.	This happens regularly and is an ongoing concern. The town has not had any deaths or carbon monoxide poisonings but they have still seen generators operating in people's garages. Anytime the town is expecting outages, the town distributes generator safety information. There are always new people moving into town, so education needs to be ongoing work. Keep because it is a concern but revise because the public outreach piece is well-handled.	Carry Forward
20	Develop a beaver monitoring and management program to address damming issues, specifically at Notch Pond Dam and Sperry Pond Dam.	Observe and take action when necessary. The Notch Dam is operated by DEEP and the Sperry Pond is owned privately. When they are clogged, the town communicates with DEEP/homeowner that the Dam needs to be cleaned. The town prefers to trap beavers but this is not always possible. The town has a beaver prevention structure at one site that requires maintenance (Follow-up research suggests that this structure is at Deming Road Culvert). Keep the action but combine with 17. Revise to reflect the ownership issues for Notch Pond and Sperry Pond.	Carry Forward with Revisions
21	Review the Low Impact Development (LID) Regulations periodically and update as needed. Utilize the LID Manual developed by the Northwest Hills Council of Governments.	Ongoing by planning and zoning commission.	Completed /retire
22	Study Lyman Road culvert associated with Blackledge River and recommend improvements.	The town recently completed an inspection of the culverts and has an engineered plan to replace it. The remaining challenge is funding the project. Rewrite to implement.	Completed /retire
23	Conduct a study of the Hop River downstream of the Johnson Road culvert/dam to determine the feasibility and effectiveness of upsizing culverts to prevent flooding of private lands.	The town staff are not aware of any progress on this item, but it is still a goal..	Intent is Completed /retire
24	Coordinate with CT SHPO to conduct additional historic resource surveys to support identification of vulnerable historic resources 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 CT SHPO initiative.	New action should be similar to "acquire the new SHPO GIS layer and review Bolton properties included in this inventory to identify vulnerable properties"	Intent is Completed /retire

No.	Action	Notes	Status
25	Conduct a wildfire vulnerability and needs assessment to guide mitigation actions in the northwest corner of Town, near Bolton Notch and Freja Park.	Addressed this with their earlier comments related to the tree trimming.	Completed /retire
26	Develop a scope of work document to implement any actions recommended by the Hop River/Johnson Road culvert/dam flood mitigation study.	This study hasn't happened yet, but this is still a goal for the town. Move next to Action 23.	Intent is Completed /retire
27	Implement improvements recommended in above Lyman Road study. Because this is expected to be a long term, multi-year project, the action to be taken is to develop a scope of work for implementing the recommended improvements.	The town has the scope of work defined and are putting funds aside so they can afford to do it. The town is putting aside money from their capital fund. Combine with action 22. Keep and revise to indicate that the project has progressed past the scope of work stage.	Intent is Completed /retire
28	Conduct an evaluation to identify specific opportunities to update and/or underground transmission lines.	The town has discussed this possibility with Eversource, but Eversource is resistant due to the expense. Complete.	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 5-4: Active Mitigation Strategies and Actions, Bolton

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	PERSISTS x STAPLEE =
BT1	Acquire generators for the town library & senior center; high school and Herrick Park facility are already equipped.	Ensure that critical facilities are resilient, with special attention to shelters and cooling centers.	Preparedness & Emergency Response	Emergency Management	$100,000 - $500,000	FEMA HMA; STEAP	07/2027 - 06/2028	High	All Hazards	No	19	5	95
BT2	Conduct public outreach on the safe operation of generators, including posting information to the town's website, and enhance permit enforcement for the correct installation of generators.	Reduce losses from other hazards.	Education and Awareness	Emergency Management	$0-$10,000	Municipal Operating Budget	Ongoing. Happens every time there is a significant power outage 01/2026 - 12/2026	High	All Hazards	No	18	6	108
BT3	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 & Emergency Response	Emergency Management	$10,000 - $50,000	Transit; IIJA BBFP	07/2024 - 06/2026	High	Extreme Heat	No	19	3	57
BT4	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	Building & Land Use	$10,000 - $50,000	DCRF; Municipal CIP Budget	07/2025 - 06/2027	Low	Riverine and Pluvial Floods	No	18	6	108
BT5	Develop and implement, in conjunction with DEEP and DOT, a solution for the Notch Pond Dam issues	Reduce flood and erosion risks by reducing vulnerabilities and	Prevention	Fire Department	$500,000 - $1M	DCRF; FEMA HMA; Municipal	07/2026 - 06/2028	High	Dam Failure	No	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)	EJ?	PERISTS Score	STAPLEE Score	PERSISTS x STAPLEE =
	and address silting of Notch Pond to reduce flood risks and provide a possible firefighting water supply.	consequences, even as climate change increases frequency and severity of floods.				CIP Budget							
BT6	Work with DEEP to remove trees near Bolton Notch and Freja Park to reduce wildfire risk in this area.	Reduce losses from other hazards.	Prevention	Fire Department	$50,000 - $100,000	DEEP	07/2025 - 06/2027	High	Wildfires	No	19	5	95
BT7	Work with DEEP to develop and implement a tree trimming program for Bolton Notch to primarily reduce power outages from fallen trees/branches.	Reduce losses from other hazards.	Prevention	Planning	$50,000 - $100,000	DEEP	01/2025 - 12/2025	High	Hurricanes and Tropical Storms/Tornadoes and High Winds/Severe Winter Storms	No	19	3	57
BT8	Work with DEEP to ensure the Maintenance of the Notch Pond Dam and with the private homeowner to educate them and ensure the Maintenance of the Sperry Pond Dam to address damming issues related to beavers.	Reduce flood and erosion risks by reducing vulnerabilities and consequences, even as climate change increases frequency and severity of floods.	Education and Awareness	Planning	$0 - $10,000	Municipal Operating Budget	07/2026 - 06/2028	High	Dam Failure	No	18	6	108
BT9	Conduct a study of the Hop River downstream of the Johnson Road culvert/dam to determine the feasibility and effectiveness of upsizing culverts to prevent flooding of private lands.	Reduce flood and erosion risks by reducing vulnerabilities and consequences, even as climate change increases frequency and severity of floods.	Structural Project	Building & Land Use	$10,000 - $50,000	DCRF; FEMA HMA	07/2025 - 06/2027	High	Dam Failure	No	19	6	114
BT10	Develop a scope of work document to implement any actions recommended by the Hop River/Johnson Road culvert/dam flood mitigation study.	Reduce flood and erosion risks by reducing vulnerabilities and consequences, even as climate change	Structural Project	Building & Land Use	$50,000 - $100,000	DCRF; FEMA HMA; Municipal CIP Budget	07/2025 - 06/2026	High	Dam Failure	No	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?	PERISTS Score	STAPLEE Score	PERSISTS x STAPLEE =
		increases frequency and severity of floods.											
BT11	Seek funding and implement improvements recommended in the Lyman Road culvert study associated with Blackledge River.	Reduce flood and erosion risks by reducing vulnerabilities and consequences, even as climate change increases frequency and severity of floods.	Structural Project	Building & Land Use	$500,000 - $1M	IIJA AOP; FEMA HMA; Municipal CIP Budget	07/2025 - 06/2027	Medium	Riverine and Pluvial Floods	No	18	4	72
BT12	Work to open dialogue with DEEP to open the Lower Bolton Lake Dam when severe rainfalls occur to prevent flooding to Bolton Pond Brook and surrounding areas.	Reduce flood and erosion risks by reducing vulnerabilities and consequences, even as climate change increases frequency and severity of floods.	Prevention	Building & Land Use	$0-$10,000	Municipal Operating Budget	07/2026 - 06/2028	High	Dam Failure	No	19	7	133
BT13	Review the Connecticut Cultural Resource Information System (ConnCRIS) to identify and understand historic and archaeological resources in areas of hazard risks found here: https://conncris.ct.gov.	Reduce flood and erosion risks by reducing vulnerabilities and consequences, even as climate change increases frequency and severity of floods.	Property Protection	Planning	$0-$10,000	SHPO; Municipal Operating Budget	01/2026 - 12/2026	Medium	Wildfires/Tornadoes and High Winds/Riverine and Pluvial Floods	No	18	9	162
BT14	Ensure that options are available to help property owners make their water supply wells resilient to droughts, floods, and loss of capacity	More than one goal.	Water & Wastewater Utility Projects	Planning	$0-$10,000	DWSRF; FEMA HMA; STEAP	01/2026 - 12/2026	High	Riverine and Pluvial Floods/Drought	No	19	10	190
BT15	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	Planning	$0-$10,000	Municipal Operating Budget	01/2025 - 12/2025	Medium	All Hazards	No	17	7	119

Figure 5-1: CIRCA Environmental Justice Rank and Critical Facilities, Bolton

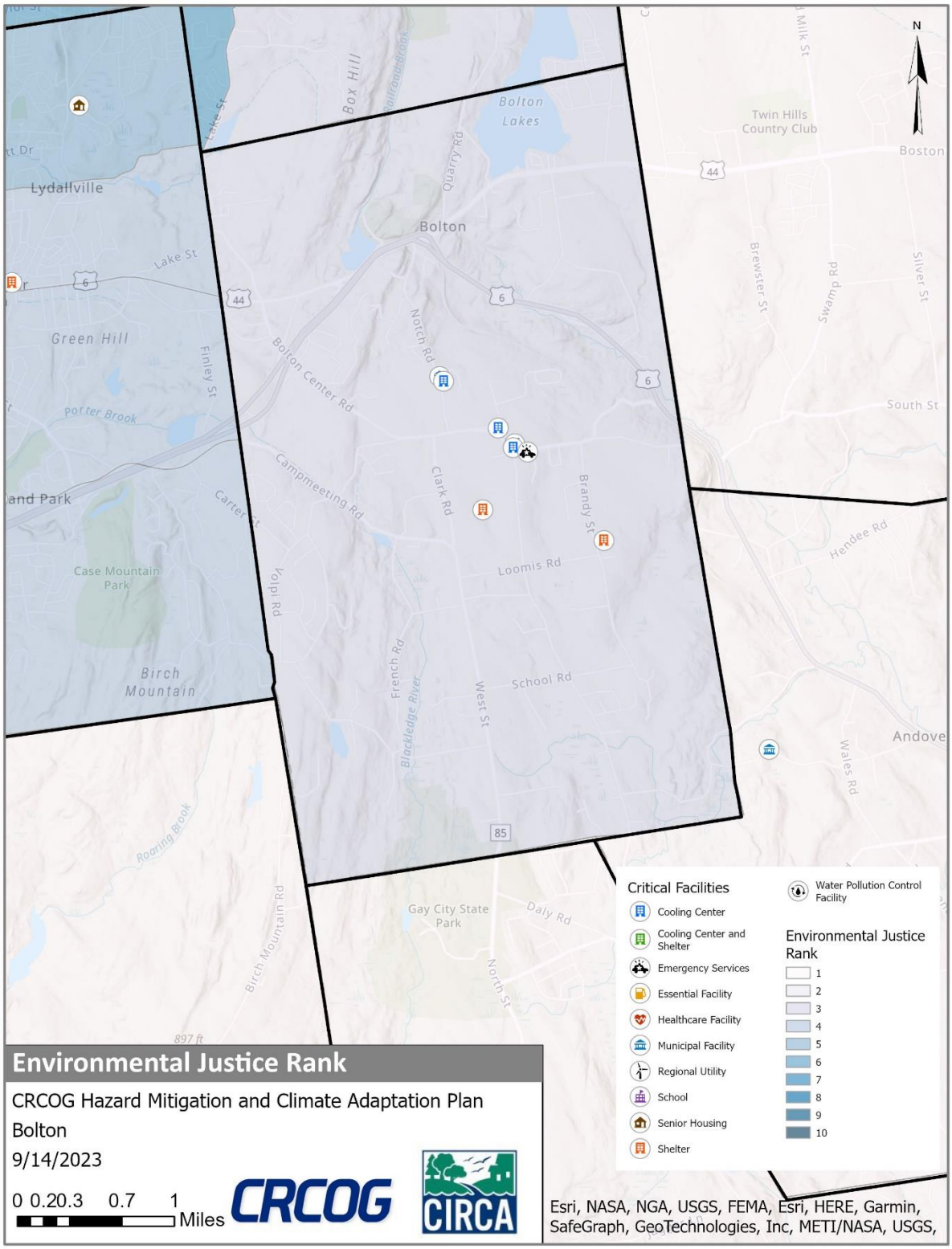

Figure 5-2: FEMA Flood Zones and Critical Facilities, Bolton

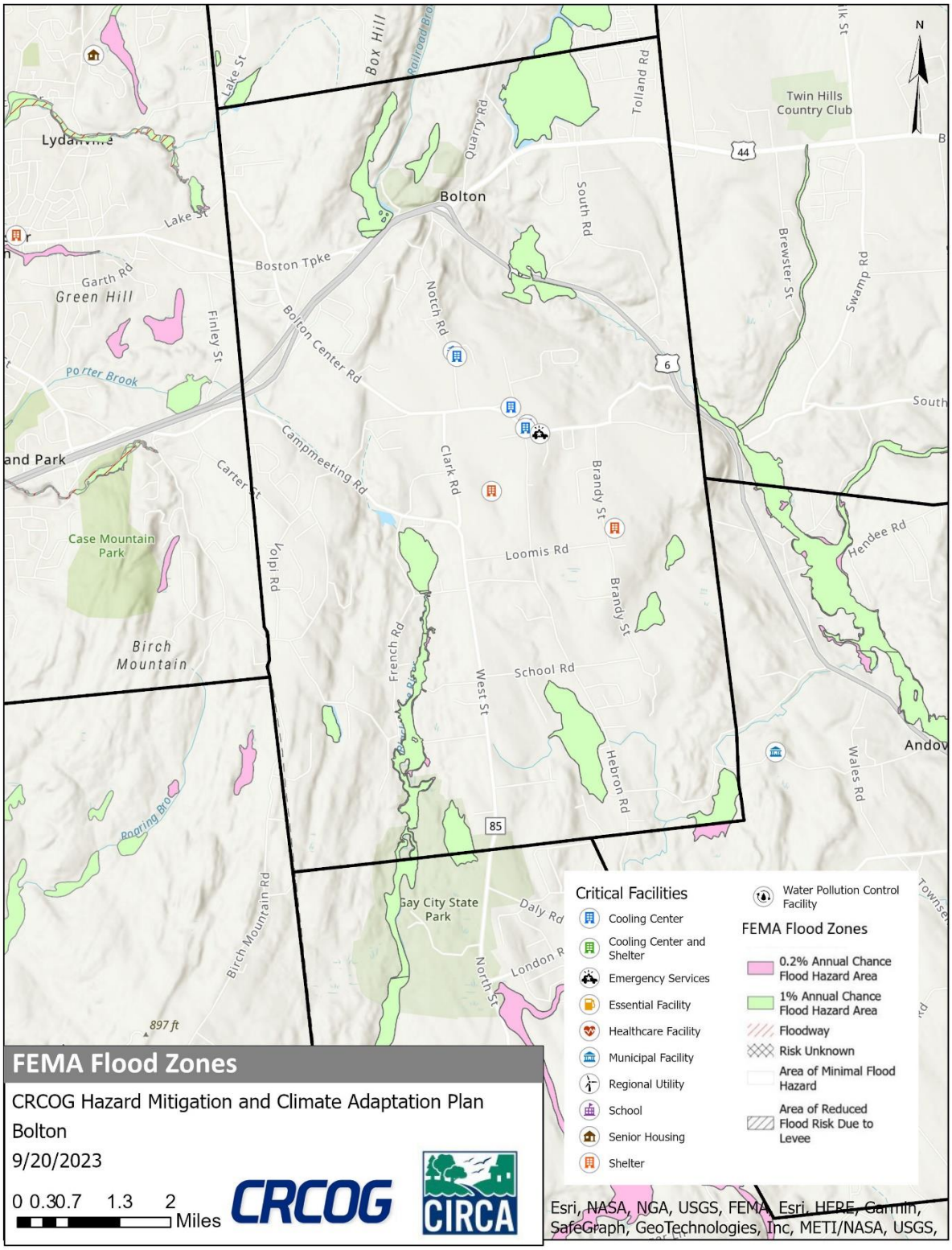

Figure 5-3: CIRCA Flood CCVI and Critical Facilities, Bolton

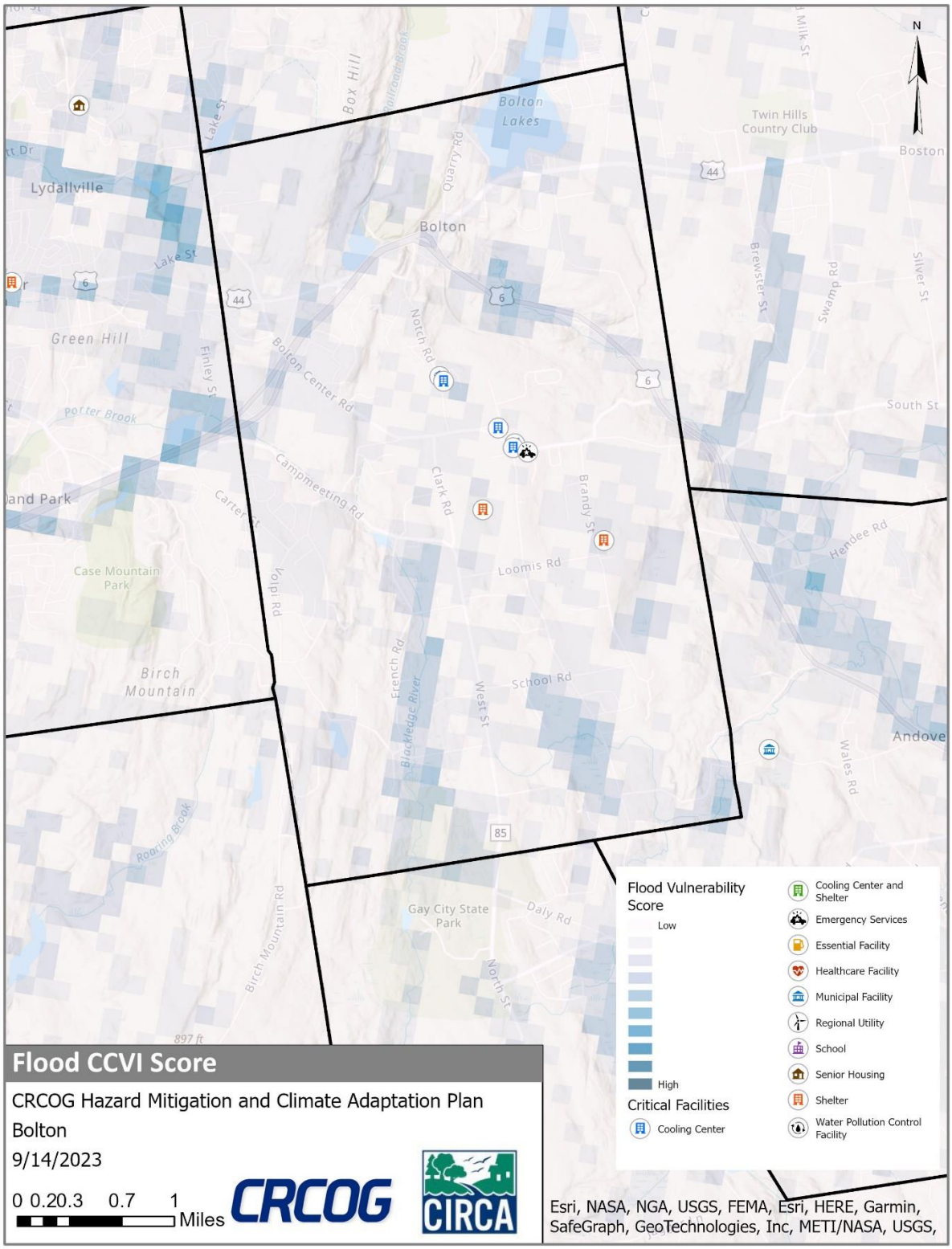

Figure 5-4: CIRCA Heat CCVI and Critical Facilities, Bolton