



9 East Granby

Community Overview

East Granby is a rural community in the Capitol Region that covers encompasses about 17.5 sq. miles and has a population of approximately 5,214. Most of the land area in Town falls in the Farmington River Watershed, though the northeastern portion drains to the Stony Brook watershed. The Farmington River forms the southern municipal boundary. The Salmon and Muddy Brooks are major tributaries to the Farmington that flow through East Granby. Other watercourses running through town include Holcomb, Sanborn and Shelden’s Brooks. Farming has traditionally been the mainstay of the Town however today’s principle industries include manufacturing and quarrying. Approximately 85% of the Town is developed. The major transportation routes through East Granby are State routes 20, 187 and 189. The Connecticut Air National Guard has a base in East Granby. Bradley International Airport, while primarily located in Windsor Locks to the east, has runway space in East Granby.

East Granby has not seen much development in recent years. The town reported that that have applications coming in for multi-family development, but nothing has been developed yet. The Village center is where most of this development is proposed.

Development/redevelopment is not increasing risk to natural hazards.

Critical Facilities

In East Granby critical facilities include the Town Hall (serves as the Emergency Operations Center), an Ambulance facility, the Public Safety building, the South End Fire station the East Granby Recreation Building, the Parks and Recreation Office, the Public Library, the Department of Public Works facility, three sewer pumping stations, the Community Center / Senior Center (serves as the primary shelter), four schools, the Congregational Church, and two private senior housing facilities.

The Community Center shelter does not have showers; showers at Nufern-Coherent on Airport Park Road may be used as needed. The Town is interested in making the High School the primary shelter but needs to install a generator first. The Congregational Church could serve as a secondary shelter, but also needs a generator installed.

Approximately 30% of the Town is on the municipal water system.

Table 9-1: Critical Facilities, East Granby

Facility	Shelter	Cooling Center	Generator
Town Hall (EOC)			X
Ambulance			X
Public Safety			X
South End Fire station			X
East Granby Recreation Building			
Park and Rec Office			
Library		X	
DPW			X

Facility	Shelter	Cooling Center	Generator
3 Sewer Pumping Stations			X
Community Center/Senior Center	Primary	X	X
Four Schools			
Congregational Church		X	
Two private Senior Housing Facilities			Limited

During extreme heat events, East Granby Library Community Center and Congregational Church can all be opened as public cooling centers. The Library and Congregational Church do not have generators, but the Community Center does.

The town staff reported no changes in critical facilities since the last plan update.

Capabilities

East Granby has not permitted any new structures or had any demolitions in the floodplain since 2008. Hazard mitigation is addressed specifically in the community’s Plan of Conservation and Development.

East Granby has a grant through the State Local Bridge Grant Program to address scouring issues at Floodville Bridge.

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

- Educate land use officials on low impact development techniques. Consider contacting UConn Extension for assistance.
- Acquire equipment necessary to maintain and remove large trees.
- 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.
- 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.
- Participate in EMI courses or the seminars and annual conference held by the Connecticut Association of Flood Managers.

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 monitors two stream crossings during rain events, specifically in the Tunxis/Spoonville area, where there is a culvert under the road that previously flooded many years ago but has not been problematic recently. Additionally, the town keeps an eye on the Floydville Rd and Wolcott Rd vicinity near Hartford Ave, where occasional small stream flooding has been observed, though recent flooding has not occurred.

The town has reported that Route 20 is a wind corridor, which has caused damages in the past, including a tornado a few summers ago that resulted in downed trees. Although no town facilities were lost, there was debris.

The town will conduct a sewer system study in collaboration with MDC. Currently, there are no concerns about the sewer system, but the study is a requirement. Town staff acknowledge the possibility that the study may reveal concerns.

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 East Granby. 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 CROCG 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 9-2: Average Annualized Losses, East Granby

Hazard	Source	Average Annualized Losses (AAL)
Hurricanes/Tropical storms	NCEI	\$13,399.09
	NRI	\$297,260.22
	FEMA PA	\$0.00
Tornados/High Winds	NCEI	\$5,016.37
	NRI	\$72,921.99
Winter Storms	NCEI	\$3,973.86
	NRI	\$3,648.32
	FEMA PA	\$3,600.82
Flood	NCEI	\$4,061.45
	NRI	\$7,641.54
	NFIP	\$520.00
Drought	NRI	\$109,523.62
	USDA	\$73,607.80
Extreme Heat	NRI	\$6,121.52
Wildfire	NRI	\$948.92

Earthquakes	NRI	\$16,123.32
Dam Failure	HMP	\$9.00

Losses Summary

A review of the above loss estimates demonstrates that East Granby 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

Noted Hazard Mitigation Needs

During the course of this Plan development, multiple hazard mitigation needs of East Granby were noted, including:

- Install a generator at the High School to make progress on creating a primary shelter there.
- To address concerns in the Tunxis/Spoonville and Floydville Rd areas, the town will continue monitoring stream crossings during rain events to ensure timely response if flooding issues reoccur.
- To mitigate risks in the Route 20 wind corridor, the town will implement proactive tree maintenance and storm readiness measures to minimize potential damage during severe weather events.
- While there are no current concerns, the town will conduct the required sewer system study in collaboration with MDC to proactively identify and address any potential issues that may emerge in the future.

Status of Previous Mitigation Strategies and Actions

The Town of East Granby reviewed the mitigation actions proposed in the 2019 Capitol Region Natural Hazards Mitigation Plan Update and determined the status of each. That information is included in the table below.

Table 9-3: Status of Previous Mitigation Strategies and Actions, East Granby

No.	Action	Notes	Status
10	Construct an access road across the Farmington River at Tunxis/Spoonville to provide an additional access/egress route.	Town staff reported that there is a dirt road maintained by DPW that can provide secondary access to this neighborhood. The town staff report that constructing a road across the river would be cost prohibitive. Town staff report that they believe the DPW road adequately addresses this concern.	Intent is complete/Retire
11	Construct a secondary access route to Cowles Park.	Town staff reported that there are currently 2-3 access routes from Cowles Park. The Fire Department has also purchased a UTV that helps with access in this area, so the town feels that this concern has been addressed and this action can be removed.	Intent is complete/Retire

No.	Action	Notes	Status
3	Conduct a stormwater management study to determine local best management practices to reduce runoff.	Town staff reported that they do have a storm water management plan but are unsure if this plan was based on a study. CIRCA will follow up	Follow up to check with town engineer to see if current stormwater management plan is based on a study
7	Install a dry hydrant or cistern at Hatchett Hill.	Town staff reported that they have not heard any concerns related to this action. The town has a tanker strike team that could get water to the area if needed. CIRCA will follow up with the Fire Department in town to see if they would like this carried forward as an action, if they would like to retire it because the tanker is sufficient to address this need, or if they would like to add any additional fire-related actions.	Carry Forward – follow up with Fire department for additional revisions
2	Install a generator at the High School to make progress on creating a primary shelter there.	Town staff reported that converting the high school into a shelter would be very costly, with an estimated cost of over \$200,000. The town would need to install hook-ups and may need more than one generator to power the whole facility. However, the town is still interested in this as a potential shelter because of the building capacity and showering facilities. This action should be carried forward.	Carry Forward
9	Install a generator at the Congregational Church to make progress on creating a backup shelter there.	Town staff reported that they have regular discussions with the church about obtaining a generator, and this is still an interest. The church is a private entity so the town's authority is limited in this matter.	Carry Forward
12	Educate land use officials on low impact development techniques. Consider contacting UConn Extension for assistance.	Town staff reported that they have low impact development regulations.	Capability/Complete/Remove
13	Develop a formal process of tree evaluation and overhead wires. Consider collaborating with Eversource.	Town staff reported that Eversource is clearing the areas on their own without the need for the town to be involved.	No longer needed/Retire
15	Develop an open space plan, with special attention paid to land along rivers and streams not only because of flooding concerns, but also for recreation and wildlife management interests.	Town staff reported that this has not been complete and is still of interest.	Carry Forward
16	Acquire equipment necessary to maintain and remove large trees.	Town staff reported the DPW has some equipment for tree maintenance and removal, and the town also has relationships with private contractors in the area that assist with the removal of large trees.	Capability/Remove
5	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.	Town staff reported that they are compliant with MS4.	Capability/Remove

No.	Action	Notes	Status
8	Work with MDC to identify potential hazard mitigation actions for MDC facilities, and list those actions in the next HMP Update.	Town staff reported that MDC might have a couple pump stations that might be in hazard zones, but are not aware of any other MDC facilities in East Granby. CIRCA will follow up with MDC directly.	CIRCA will Follow up with MDC
4	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.	Town staff reported that they are capable of outreach as needed to any businesses that may have chemicals that could be released. This may be relevant for trash collecting company	Capability/R emove
6	Participate in EMI courses or the seminars and annual conference held by the Connecticut Association of Flood Managers.	Town staff reported that they attend trainings and conferences regularly, including the CAFM conference and dam failure exercises.	Capability/R emove
14	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.	Town staff reported they do not need additional surveys. CIRCA suggested to change this action to "Acquire and use the SHPO layer". Town staff agree with this revision.	Carry Forward with Revisions
1	Enter the Sustainable CT program through Registration and review actions that can be undertaken to pursue Certification. Make progress with the actions related to hazard mitigation.	Town staff reported that they are not active in the SCT program. Town staff will discuss internally whether this is still of interest and will let CIRCA know whether to carry forward or remove this action.	Follow up
10	Construct an access road across the Farmington River at Tunxis/Spoonville to provide an additional access/egress route.	Town staff reported that there is a dirt road maintained by DPW that can provide secondary access to this neighborhood. The town staff report that constructing a road across the river would be cost prohibitive. Town staff report that they believe the DPW road adequately addresses this concern.	Intent is complete/R etire
11	Construct a secondary access route to Cowles Park.	Town staff reported that there are currently 2-3 access routes from Cowles Park. The Fire Department has also purchased a UTV that helps with access in this area, so the town feels that this concern has been addressed and this action can be removed.	Intent is complete/R etire
3	Conduct a stormwater management study to determine local best management practices to reduce runoff.	Town staff reported that they do have a storm water management plan but are unsure if this plan was based on a study. CIRCA will follow up	Follow up to check with town engineer to see if current stormwater management plan is based on a study

No.	Action	Notes	Status
7	Install a dry hydrant or cistern at Hatchett Hill.	Town staff reported that they have not heard any concerns related to this action. The town has a tanker strike team that could get water to the area if needed. CIRCA will follow up with the Fire Department in town to see if they would like this carried forward as an action, if they would like to retire it because the tanker is sufficient to address this need, or if they would like to add any additional fire-related actions.	Carry Forward – follow up with Fire department for additional revisions
2	Install a generator at the High School to make progress on creating a primary shelter there.	Town staff reported that converting the high school into a shelter would be very costly, with an estimated cost of over \$200,000. The town would need to install hook-ups and may need more than one generator to power the whole facility. However, the town is still interested in this as a potential shelter because of the building capacity and showering facilities. This action should be carried forward.	Carry Forward
9	Install a generator at the Congregational Church to make progress on creating a backup shelter there.	Town staff reported that they have regular discussions with the church about obtaining a generator, and this is still an interest. The church is a private entity so the town's authority is limited in this matter.	Carry Forward
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13	Develop a formal process of tree evaluation and overhead wires. Consider collaborating with Eversource.	Town staff reported that Eversource is clearing the areas on their own without the need for the town to be involved.	No longer needed/Retire
15	Develop an open space plan, with special attention paid to land along rivers and streams not only because of flooding concerns, but also for recreation and wildlife management interests.	Town staff reported that this has not been complete and is still of interest.	Carry Forward
16	Acquire equipment necessary to maintain and remove large trees.	Town staff reported the DPW has some equipment for tree maintenance and removal, and the town also has relationships with private contractors in the area that assist with the removal of large trees.	Capability/Remove
5	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.	Town staff reported that they are compliant with MS4.	Capability/Remove
8	Work with MDC to identify potential hazard mitigation actions for MDC facilities, and list those actions in the next HMP Update.	Town staff reported that MDC might have a couple pump stations that might be in hazard zones, but are not aware of any other MDC facilities in East Granby. CIRCA will follow up with MDC directly.	Retire
4	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.	Town staff reported that they are capable of outreach as needed to any businesses that may have chemicals that could be released. This may be relevant for trash collecting company	Capability/Remove
6	Participate in EMI courses or the seminars and annual conference held by the Connecticut Association of Flood Managers.	Town staff reported that they attend trainings and conferences regularly, including the CAFM conference and dam failure exercises.	Capability/Remove

No.	Action	Notes	Status
14	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.	Town staff reported they do not need additional surveys. CIRCA suggested to change this action to "Acquire and use the SHPO layer". Town staff agree with this revision.	Carry Forward with Revisions
1	Enter the Sustainable CT program through Registration and review actions that can be undertaken to pursue Certification. Make progress with the actions related to hazard mitigation.	Town staff reported that they are not active in the SCT program. Town staff will discuss internally whether this is still of interest and will let CIRCA know whether to carry forward or remove this action.	Follow up

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 9-4: Active Mitigation Strategies and Actions, East Granby

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	PERSIST x STAPLEE =
EG1	Acquire generators for critical facilities	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	07/2024 - 06/2025	High	All Hazards	No	19	5	95
EG2	Install a generator at the High School to make progress on creating a primary shelter there.	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	07/2024 - 06/2025	High	All Hazards	No	19	5	95
EG3	Install a generator at the Congregational Church to make progress on creating a backup shelter there.	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	07/2024 - 06/2025	High	All Hazards	No	19	5	95
EG4	Install a dry hydrant or cistern at Hatchett Hill.	Reduce losses from other hazards..	Structural Project	Fire Department	\$0-\$10,000	Municipal CIP Budget	07/2024 - 06/2025	High	Wildfires	No	19	7	133
EG5	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; IJJA BBFP	07/2024 - 06/2026	High	Extreme Heat	No	19	3	57
EG6	Conduct a stormwater management study to determine local best management practices to reduce runoff.	Reduce losses from other hazards..	Water & Wastewater Utility Projects	Public Works	\$10,000 - \$50,000	DCRF; FEMA HMA	07/2025 - 06/2027	Medium	Riverine and Pluvial Floods	No	18	8	144

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?	PERSISTS Score	STAPLEE Score	PERSISTS x STAPLEE =
EG7	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	No	18	6	108
EG8	Ensure that options are available to help property owners make their water supply wells resilient to droughts, floods, and loss of capacity	Reduce losses from other hazards..	Water & Wastewater Utility Projects	Planning	\$0-\$10,000	DWSRF; FEMA HMA; STEAP	07/2025 - 06/2026	High	Riverine and Pluvial Floods/ Drought	No	19	10	190
EG9	Expand public water systems to areas served by private wells when needed to address drought impacts and provide fire protection	Reduce losses from other hazards..	Water & Wastewater Utility Projects	Fire Department	>\$1M	DWSRF; FEMA HMA; STEAP	07/2026 - 06/2028	High	Drought /Wildfire	No	19	8	152
EG10	Develop an open space plan, with special attention paid to land along rivers and streams not only because of flooding concerns, but also for recreation and wildlife management interests.	Reduce flood and erosion risks by reducing vulnerabilities and consequences, even as climate change increases frequency and severity of floods.	Natural Resources Protection	Planning	\$10,000 - \$50,000	Municipal Operating Budget	07/2025 - 06/2026	Medium	Riverine and Pluvial Floods	No	18	5	90
EG11	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
EG12	Update town website to include hazard mitigation and	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

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 =
	emergency preparedness tips for town residents, including sections corresponding to each hazard considered in this Plan Update.												

Figure 9-1: CIRCA Environmental Justice Rank and Critical Facilities, East Granby

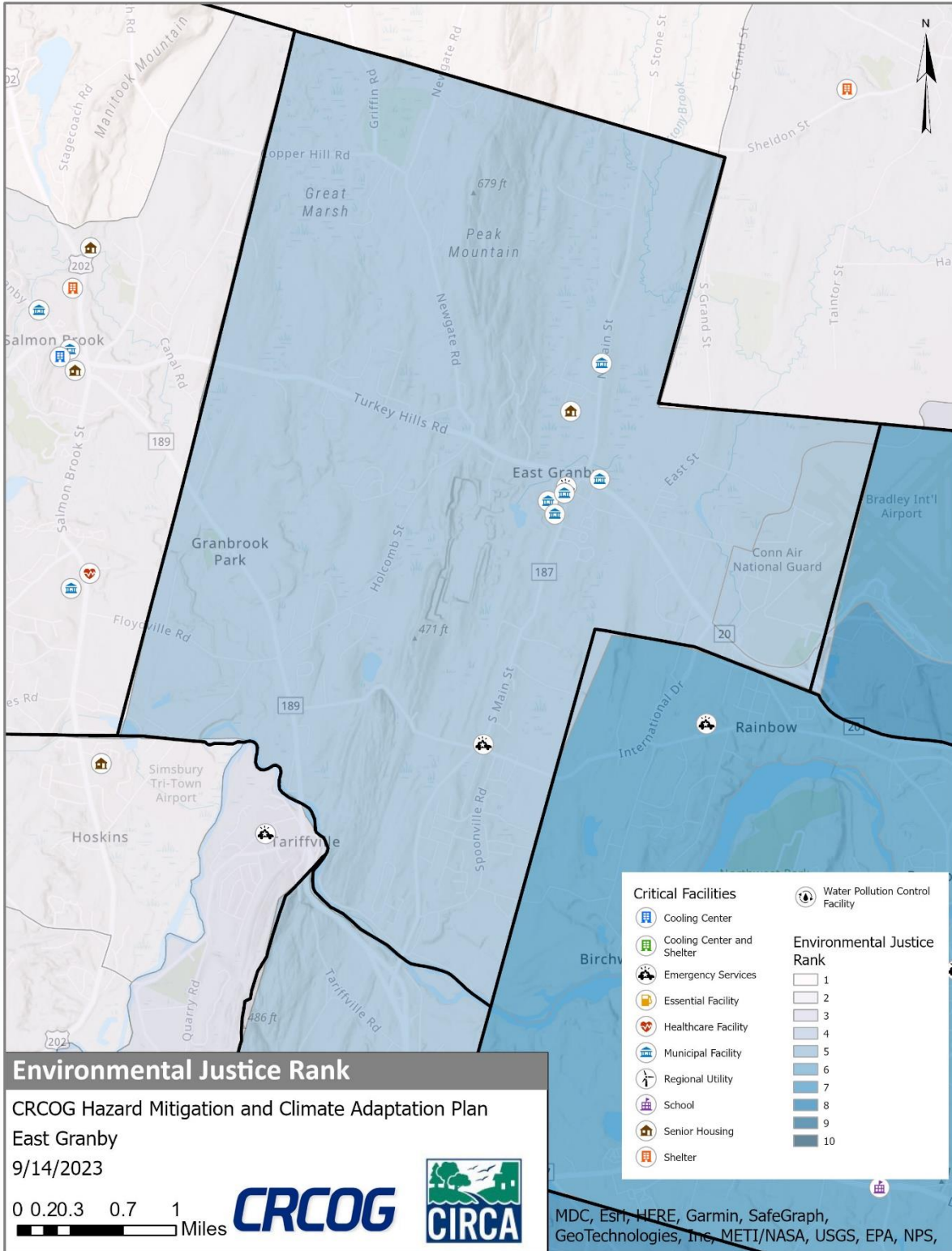


Figure 9-2: FEMA Flood Zones and Critical Facilities, East Granby

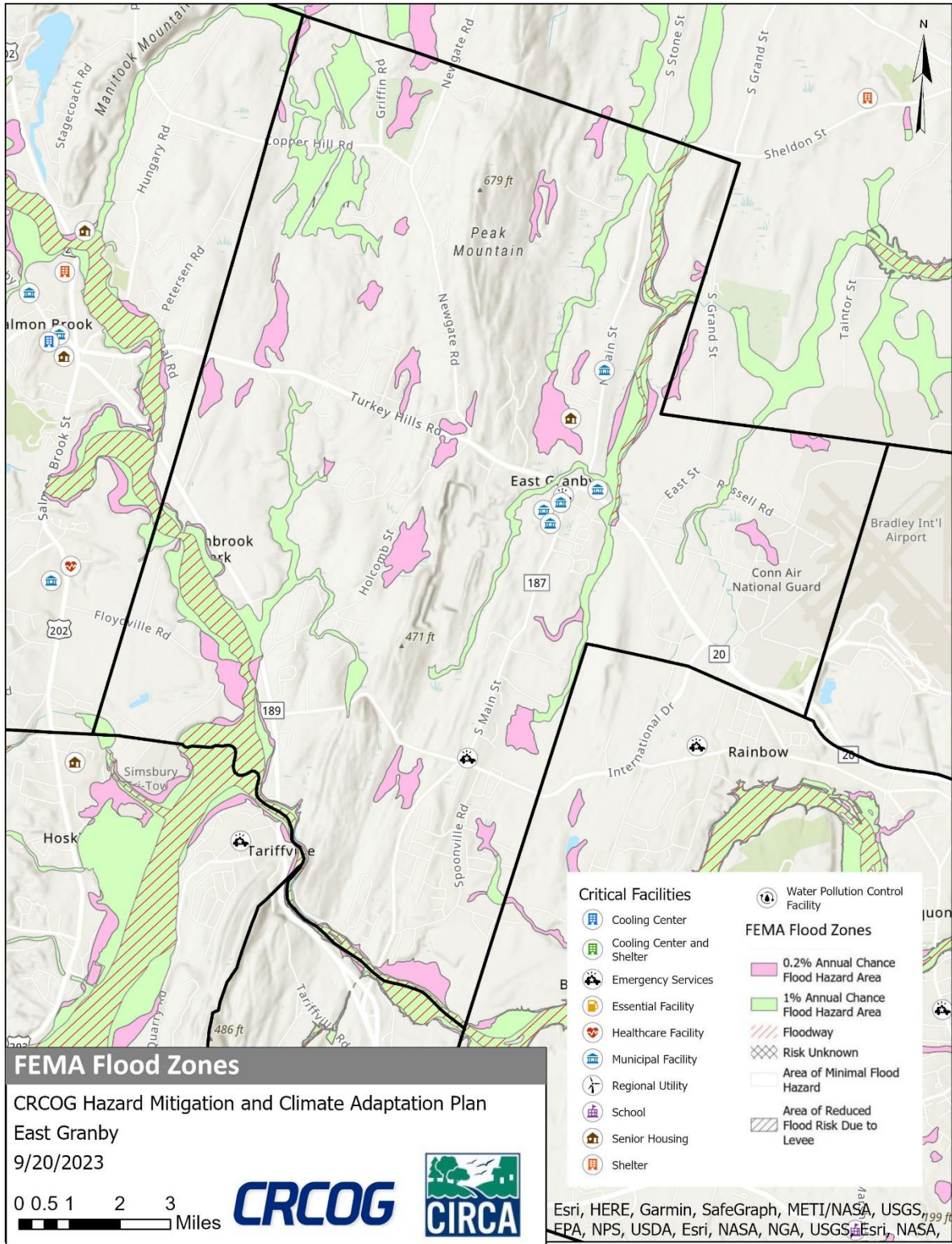


Figure 9-3: CIRCA Flood CCVI and Critical Facilities, East Granby

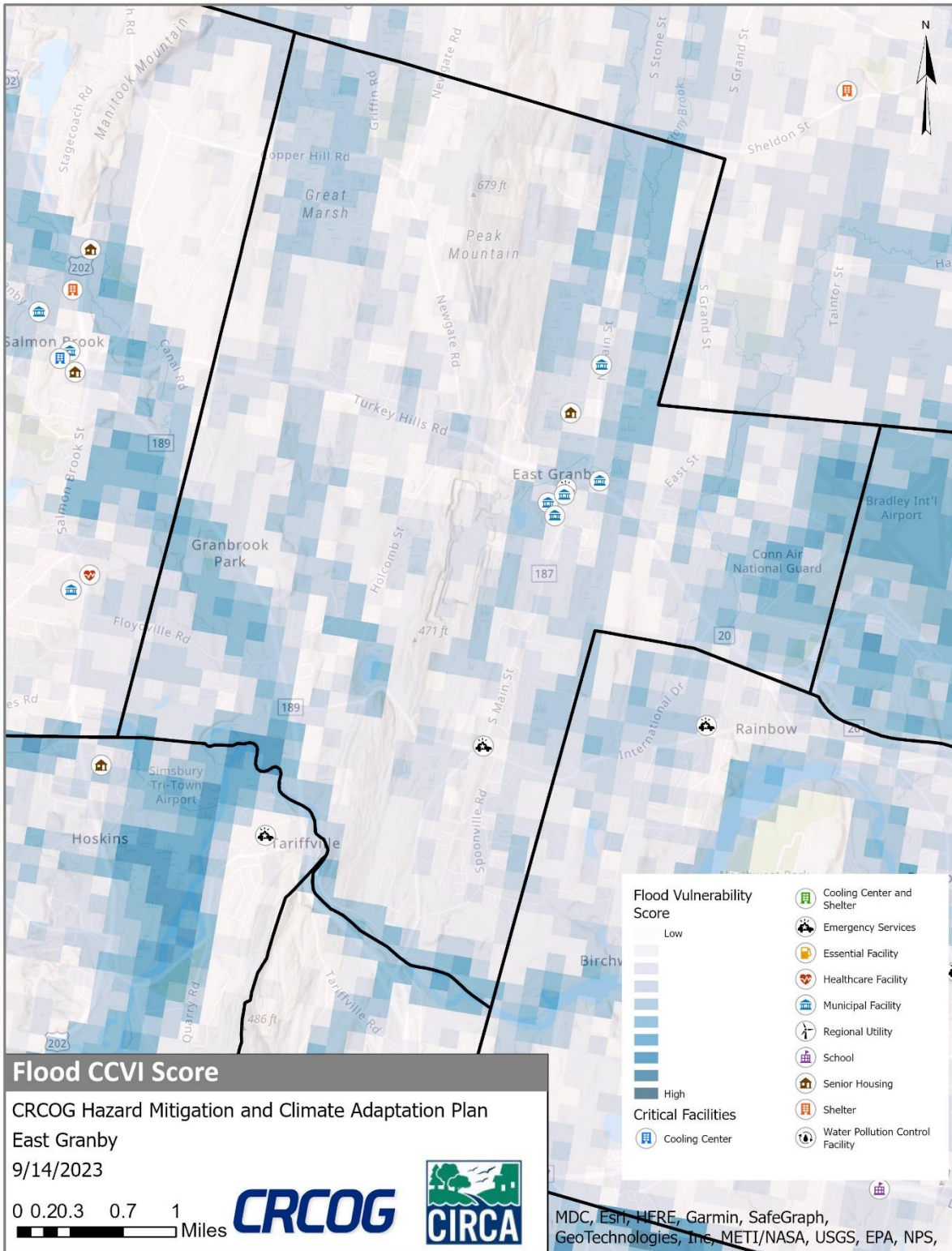


Figure 9-4: Dam Inundation Area and Critical Facilities, East Granby

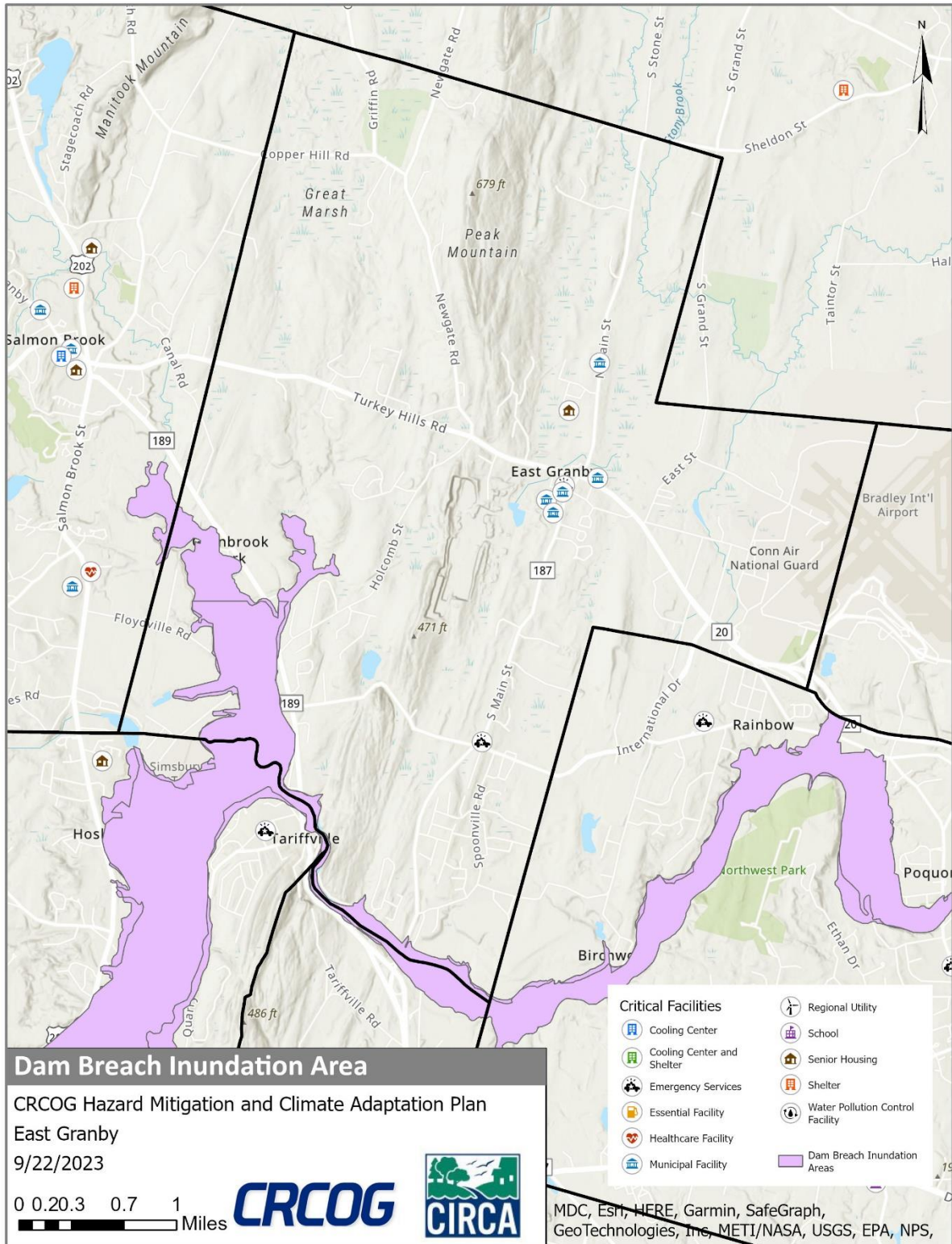


Figure 9-5: CIRCA Heat CCVI and Critical Facilities, East Granby

