



## 9.40 CITY OF SALAMANCA

This section presents the jurisdictional annex for the City of Salamanca. It includes resources and information to assist public and private sectors to reduce losses from future hazard events. This annex is not guidance of what to do when a disaster occurs. Rather, this annex concentrates on actions that can be implemented prior to a disaster to reduce or eliminate damage to property and people. This annex includes a general overview of the municipality and who in the city participated in the planning process; an assessment of the City of Salamanca’s risk and vulnerability; the different capabilities utilized in the city; and an action plan that will be implemented to achieve a more resilient community.

### 9.40.1 Hazard Mitigation Planning Team

The following individuals have been identified as the City of Salamanca’s hazard mitigation plan primary and alternate points of contact.

**Table 9.40-1. Hazard Mitigation Planning Team**

Primary Point of Contact	Alternate Point of Contact
Name/Title: Jim Nelligan, Salamanca City DPW Address: 225 Wildwood Ave, Salamanca, NY 14779 Phone Number: 716-945-4680 Email: <a href="mailto:jnelligan@salmun.com">jnelligan@salmun.com</a>	Name/Title: Robert Carpenter, Superintendent of Public Works Address: 241 Rochester St, Salamanca, NY 14779 Phone Number: 716-945-4680 Email: <a href="mailto:rcarpenter@salmun.com">rcarpenter@salmun.com</a>
NFIP Floodplain Administrator	
Name/Title: Cynthia Franklin, Assessor Address: 225 Wildwood Ave, Salamanca, NY 14779 Phone Number: 716-945-3922 Email: <a href="mailto:cfranklin@salmun.com">cfranklin@salmun.com</a>	

### 9.40.2 Municipal Profile

The City of Salamanca lies in the south-central part of Cattaraugus County in western New York State. The City of Salamanca has a total area of 6.24 square miles. The Allegheny River, Little Valley Creek, Great Valley Creek, Titus Run, and Newton Run flow through the city. The city is located within the Town of Salamanca and is almost entirely located within the Allegany Indian Reservation, though it extends into the Town of Little Valley in the north and the Town of Great Valley to the east.

Data from the 2018 U.S. Census American Community Survey indicate that the city has a total population of 5,553, with 9 percent of the city population 5 years of age or younger and 14.2 percent of the city population 65 years of age or older. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.

#### History and Cultural Resources

The City of Salamanca was incorporated in 1913. First named “Hemlock,” the name of the city was later changed to Salamanca in honor of Spanish banker and railroad stakeholder Jose de Salamanca. The primary industries of the city included lumbering, saw-mills, and agriculture.

### 9.40.3 Growth/Development Trends

Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to understanding a jurisdiction’s overall risk to its hazards of concern. Table 9.40-2 summarizes recent and expected future development trends, including major





residential/commercial development and major infrastructure development. Figure 9.40-1 at the end of this annex illustrates the geographically-delineated hazard areas and the location of potential new development, where available.

**Table 9.40-2. Recent and Expected Future Development**

Type of Development	2014		2015		2016		2017		2018	
<b>Number of Building Permits for New Construction Issued Since the Previous HMP* (within regulatory floodplain/ Outside regulatory floodplain)</b>										
	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>
Single Family	0	0	0	0	3	0	0	0	1	0
Multi-Family	0	0	0	0	0	0	0	0	0	0
Other (commercial, mixed-use, etc.)	0	0	1	0	0	0	1	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>
Property or Development Name	Type of Development	# of Units / Structures		Location (address and/or block and lot)		Known Hazard Zone(s)*		Description / Status of Development		
<b>Recent Major Development and Infrastructure from 2014 to Present</b>										
None identified										
<b>Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years</b>										
None anticipated										

SFHA Special Flood Hazard Area (1% flood event)

\* Only location-specific hazard zones or vulnerabilities identified.

### 9.40.4 Capability Assessment

The City of Salamanca performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Section 6.4 (Capability Assessment) describes the components included in the capability assessment and their significance for hazard mitigation planning. This section summarizes the following findings of the assessment:

- An assessment of legal and regulatory capabilities.
- Development and permitting capabilities.
- An assessment of fiscal capabilities.
- An assessment of education and outreach capabilities.
- Information on National Flood Insurance Program (NFIP) compliance.
- Classification under various community mitigation programs.
- The community’s adaptive capacity for the impacts of climate change.

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress in plan integration. Areas with current mitigation integration are summarized in Capability Assessment (Section 9.40.4). The City of Salamanca identified specific integration activities that will be incorporated into municipal procedures are included in the updated mitigation strategy. Appendix H provides the results of the planning/policy document review.



### Planning, Legal, and Regulatory Capability

The table below summarizes the regulatory tools that are available to the City of Salamanca and where hazard mitigation has been integrated.

**Table 9.40-3. Planning, Legal, and Regulatory Capability**

	Do you have this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Department / Agency Responsible	State Mandated	Has this been integrated?	
						If no - can it be a mitigation action? If yes, add Mitigation Action #.	
<b>Codes, Ordinances, &amp; Requirements</b>							
Building Code	Yes	LL #1 for 2007	Local	Assessor/Codes	Yes	Yes	-
Comment: The LL #1 for 2007 the City adopted the NYS Uniform Fire Prevention and Building Code.							
Zoning Code	Yes	LL #1 for 1998	Local	Assessor/Codes	No	Yes	-
Comment: Regulations have been designed to preserve open space; lessen congestion in the streets; secure safety from fire, flood, and other dangers; provide adequate light, air, and convenience of access; and facilitate the adequate provision of transportation, water, sewage, schools, parks and other public services. They have been made with reasonable regard, among other things, to the character of each district and its suitability for particular uses as well as the value of buildings, land, and uses to promote the most appropriate use of land and preservation of the natural environment throughout the City of Salamanca.							
Subdivisions	Yes	General City Law	State	Assessor	No	Yes	-
Comment: None							
Stormwater Management	No	-	-	-	Yes	-	-
Comment: None							
Post-Disaster Recovery	No	-	-	-	No	-	-
Comment: None							
Real Estate Disclosure	Yes	Property Condition Disclosure Act, NY Code - Article 14 §460-467	State	NYS Department of State, Real Estate Agent	Yes	Yes	-
Comment: None							
Growth Management	No	-	-	-	No	-	-
Comment: None							
Site Plan Review	Yes	Zoning Law	Local	Assessor/Planning	No	Yes	-
Comment: None							
Environmental Protection	Yes	SEQRA	Local	Assessor/Planning	Yes	Yes	-
Comment: None							
Flood Damage Prevention	Yes	LL #2 for 1987	Local	FPA	Yes - BFE+2 feet for all construction in the SFHA (residential and non-residential)	No	2020-City of Salamanca-008
Comment: None							



	Do you have this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Department / Agency Responsible	State Mandated	Has this been integrated?	
						If no - can it be a mitigation action? If yes, add Mitigation Action #.	
Municipal Separate Storm Sewer System (MS4)	Yes	Municipal Code	Local	BPU / DPW	Yes	Yes	-
Comment: None							
Emergency Management	Yes	Various	Local	Various	Yes	Yes	-
Comment: None							
Climate Change	No	-	-	-	Yes	-	-
Comment: None							
Disaster Recovery Ordinance	No	-	-	-	No	-	-
Comment: None							
Disaster Reconstruction Ordinance	No	-	-	-	No	-	-
Comment: None							
Other	No	-	-	-	-	-	-
Comment: None							
<b>Planning Documents</b>							
Comprehensive Plan	Yes	CC 10-1-2001	Local	Assessor	No	No	-
Comment: None							
Capital Improvement Plan	No	-	-	-	No	-	-
Comment: None							
Disaster Debris Management Plan	Yes	Disaster Debris Management Plan	County	CCOES	No	Yes	-
Comment: None							
Floodplain or Watershed Plan	No	-	-	-	No	-	-
Comment: None							
Stormwater Plan	No	-	-	-	No	-	-
Comment: None							
Open Space Plan	No	-	-	-	Yes	-	-
Comment: None							
Urban Water Management Plan	No	-	-	-	No	-	-
Comment: None							
Habitat Conservation Plan	No	-	-	-	No	-	-
Comment: None							



	Do you have this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Department / Agency Responsible	State Mandated	Has this been integrated?	
						If no - can it be a mitigation action? If yes, add Mitigation Action #.	
Economic Development Plan	No	-	-	-	No	-	-
Comment: None							
Shoreline Management Plan	No	-	-	-	Yes	-	-
Comment: None							
Community Wildfire Protection Plan	No	-	-	-	No	-	-
Comment: None							
Forest Management Plan	No	-	-	-	No	-	-
Comment: None							
Transportation Plan	No	-	-	-	No	-	-
Comment: None							
Agriculture Plan	No	-	-	-	Yes	-	-
Comment: None							
Other (this could include a climate action plan, tourism plan, business development plan, etc.)	No	-	-	-	-	-	-
Comment: None							
<b>Response/Recovery Planning</b>							
Comprehensive Emergency Management Plan	Yes	CEMP	County	CCOES	Yes	Yes	-
Comment: None							
Strategic Recovery Planning Report	No	-	-	-	-	-	-
Comment: None							
Threat & Hazard Identification & Risk Assessment (THIRA)	No	-	-	-	Yes	-	-
Comment: None							
Post-Disaster Recovery Plan	No	-	-	-	No	-	-
Comment: None							
Continuity of Operations Plan	No	-	-	-	No	-	-
Comment: None							
Public Health Plan	Yes	PHEP	County	Health Dept	No	Yes	-



	Do you have this? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Department / Agency Responsible	State Mandated	Has this been integrated? If no - can it be a mitigation action? If yes, add Mitigation Action #.
Comment: None						
Other	No	-	-	-	No	-
Comment: None						

**Table 9.40-4. Development and Permitting Capability**

Indicate if your jurisdiction implements the following	Response Yes/No; Provide further detail
Development Permits. If yes, what department?	Yes
Permits are tracked by hazard area. For example, floodplain development permits.	Yes
Buildable land inventory If yes, please describe If no, please quantitatively describe the level of buildout in the jurisdiction.	No, a buildable land analysis is noted in Section 4 (County Profile)

**Administrative and Technical Capability**

The table below summarizes potential staff and personnel resources available to the City of Salamanca.

**Table 9.40-5. Administrative and Technical Capabilities**

Resources	Available? (Yes or No)	Department/ Agency/Position
<b>Administrative Capability</b>		
Planning Board	Yes	Assessor
Mitigation Planning Committee	No	-
Environmental Board/Commission	No	-
Open Space Board/Committee	No	-
Economic Development Commission/Committee	No	-
Warning Systems / Services (reverse 911, outdoor warning signals)	No	-
Maintenance programs to reduce risk	No	-
Mutual aid agreements	No	-
<b>Technical/Staffing Capability</b>		
Planners or engineers with knowledge of land development and land management practices	No	-
Engineers or professionals trained in building or infrastructure construction practices	Yes	Code Officers
Planners or engineers with an understanding of natural hazards	No	-
Staff with expertise or training in benefit/cost analysis	No	-
Professionals trained in conducting damage assessments	No	-
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	No	-
Scientist familiar with natural hazards	No	-
NFIP Floodplain Administrator (FPA)	Yes	Assessor
Surveyor(s)	No	-
Emergency Manager	Yes	Fire / Police
Grant writer(s)	Yes	Grant Writer
Resilience Officer	No	-
Other	Yes	Contracted Engineer



### Fiscal Capability

The table below summarizes financial resources available to the City of Salamanca.

**Table 9.40-6. Fiscal Capabilities**

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	No
Capital improvements project funding	Yes
Authority to levy taxes for specific purposes	No
User fees for water, sewer, gas or electric service	No
Impact fees for homebuyers or developers of new development/homes	No
Stormwater utility fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	No
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	No
Other federal or state Funding Programs	Yes
Open Space Acquisition funding programs	No
Other	No

### Education and Outreach Capability

The table below summarizes the education and outreach resources available to the City of Salamanca.

**Table 9.40-7. Education and Outreach Capabilities**

Indicate if your jurisdiction has the following resources	Yes/No; Please describe
Public information officer or communications office?	Yes / Mayor
Personnel skilled or trained in website development?	Yes /
Hazard mitigation information available on your website; if yes, describe	No
Social media for hazard mitigation education and outreach; if yes, briefly describe.	Yes
Citizen boards or commissions that address issues related to hazard mitigation; if yes, briefly describe.	No
Other programs already in place that could be used to communicate hazard-related information; if yes, briefly describe.	No
Warning systems for hazard events; if yes, briefly describe.	Yes / County – Radio, Web, Paper
Natural disaster/safety programs in place for schools; if yes, briefly describe.	Yes / SCCSD
Other	No

### Community Classifications

The table below summarizes classifications for community programs available to the City of Salamanca.

**Table 9.40-8. Community Classifications**

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	-	-





Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Building Code Effectiveness Grading Schedule (BCEGS)	Yes	5	2020
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	4/4	2016
NYSDEC Climate Smart Community	No	-	-
Storm Ready Certification	No	-	-
Firewise Communities classification	No	-	-
Other	No	-	-

Note:

- N/A Not applicable
- NP Not participating
- Unavailable

### Adaptive Capacity

Adaptive capacity is defined as “the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or respond to consequences” (IPCC 2014). In other words, it describes a jurisdiction’s current ability to adjust to, protect from, or withstand a hazard event. This term is often discussed in reference to climate change; however, adaptive capacity also includes an understanding of local capacity for adapting to current and future risks and changing conditions. The table below summarizes the adaptive capacity for each hazard and the jurisdiction’s rating.

The City of Salamanca is not currently undertaking any planning or action in connection with climate change but has made a shift to the use of LED lighting to be more energy efficient.

**Table 9.40-9. Adaptive Capacity**

Hazard	Adaptive Capacity (Capabilities) - High/Medium/Low*
Flood	Medium
Landslide	Medium
Severe Storm	High
Severe Winter Storm	High
Utility Failure	Medium
Wildfire	Medium

- \*High Capacity exists and is in use
- Medium Capacity may exist; but is not used or could use some improvement
- Low Capacity does not exist or could use substantial improvement
- Unsure Not enough information is known to assign a rating

### National Flood Insurance Program

This section provides specific information on the management and regulation of the regulatory floodplain.

#### NFIP Floodplain Administrator (FPA)

Cynthia Franklin, Assessor

#### National Flood Insurance Program (NFIP) Summary

The City of Salamanca does not maintain a list regarding properties damaged by flooding or property owners interested in mitigation. No RiskMAP projects are currently underway in the city. The city feels the flood hazard maps for the city adequately address the flood risk. Areas along Titus Creek experience flooding.







The following table summarizes the NFIP statistics for the City of Salamanca.

**Table 9.40-10. NFIP Summary**

Municipality	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties
City of Salamanca	12	6	\$2,273	0

Source: NYS DHSES 2020

Notes: RL Repetitive Loss

### Resources

The Assessor's Office is responsible for floodplain administration in the City of Salamanca. The city does not have any certified floodplain managers on staff. The city does not have access to resources to determine the possible impact climate change on flooding conditions.

### Compliance History

The FPA is unaware of any outstanding NFIP compliance issues in the city. The city's most recent Community Assistance Visit took place on April 12, 2010.

### Regulatory

The city's flood damage prevention ordinance (LL #2 for 1987) requires update. No local ordinances, plans, or programs support floodplain management other than the Flood Damage Prevention Ordinance. The city does not participate in the Community Rating System.

### Additional Areas of Existing Integration

City website: The city hosts a municipal website (<http://www.salmun.com/>) which includes information on the local government, upcoming events, and other announcements

### Evacuation, Sheltering, Temporary Housing, and Permanent Housing

Evacuation routes, sheltering measures, temporary housing, and permanent housing must all be in place and available for public awareness to protect residents, mitigate risk, and relocate residents, if necessary, to maintain post-disaster social and economic stability.

### Evacuation Routes

In the event of an evacuation, the city uses I-86 – East/West, Route 353 North, and 219 North/South as evacuation routes.

### Sheltering

The City of Salamanca has identified the following designated emergency shelters:

Site Name	Address	Capacity	Accommodates Pets?	ADA Compliant?	Backup Power?	Types of Medical Services Provided	Other Services Provided
Salamanca Fire Department	225 Wildwood Ave	200	Yes	Yes	Yes	None	None
Salamanca School	50 Iroquois Drive	500	Yes	Yes	Yes	None	None
City Hall	225 Wildwood Ave	100	Yes	Yes	Yes	None	None



### Temporary Housing

The City of Salamanca has identified the following sites for the placement of temporary housing units to house residents displaced by a disaster:

Site Name	Site Address	Infrastructure / Utilities Available (water, electric, septic, etc.)	Capacity (number of sites)	Type	Actions Required to Ensure Conformance with the NYS Uniform Fire Prevention and Building Code
Seneca Allegany Resort & Casino	777 Seneca Allegany Blvd.	Yes	250	Hotel	None
Holiday Inn Express	779 Broad Street	Yes	100	Hotel	None
Salamanca Fire Hall/City Hall	225 Wildwood Ave	Yes	~150	Fire Hall, City Hall	None

### Permanent Housing

The City of Salamanca has identified the following sites for the placement of permanent housing for structures located in the SFHA that may need to be relocated, or new properties that must be built once severely damaged properties are demolished:

Site Name	Site Address	Infrastructure / Utilities Available (water, electric, septic, etc.)	Capacity (number of sites)	Type	Actions Required to Ensure Conformance with the NYS Uniform Fire Prevention and Building Code
Trailer Park	Washington Street	Would need all	100	Farm field	Everything/privately owned
Old Salamanca District Hospital Site	Parkway Drive	All available	30	Open field	Everything/privately owned
Valent Farms	1 Fancher Avenue	Would need all	100	Farm field	Everything/privately owned

### 9.40.5 Hazard Event History Specific to the City of Salamanca

Cattaraugus County has a history of natural and non-natural hazard events as detailed in Volume I, Section 5 (Risk Assessment) of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the County and its municipalities. The City of Salamanca's history of federally-declared (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Cattaraugus County. Table 9.40-11 provides details regarding municipal-specific loss and damages the city experienced during hazard events. Information provided in the table below is based on reference material or local sources. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.



Table 9.40-11. Hazard Event History

Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses
October 27- November 8, 2012	Hurricane Sandy (FEMA-EM-3351)	Yes	Remnants of Hurricane Sandy brought strong winds and heavy rains to western and north central New York. Rainfall amounts of two to five inches were measured across the area with some area creeks reaching bankful. The high winds downed trees and power lines throughout the region. Wind gusts were measured to 60 mph.	Although the county was impacted, City of Salamanca did not report any damages.
May 13-22, 2014	Severe Storms and Flooding (FEMA-DR-4180)	Yes	Heavy showers and embedded thunderstorms trained across the western Southern tier. Rainfall amounts of one to three inches in just a few hours resulted in flash flooding across the region. Roads and culverts were washed out. Numerous roads were water-covered and closed.	Although the county was impacted, City of Salamanca did not report any damages.
November 17-26, 2014	Severe Winter Storm, Snowstorm, and Flooding (FEMA-DR-4204)	Yes	Lake effect snow resulted in heavy snowfall across the region.	Although the county was impacted, City of Salamanca did not report any damages.
July 14, 2015	Flash Flood	No	Numerous rounds of storms along a stationary cold front resulted in flash flooding. Damaging winds occurred in some areas of the County.	Although the county was impacted, City of Salamanca did not report any damages.
March 8, 2017	High Wind	No	A strong low pressure system brought strong and damaging winds to the entire region.	The city experienced tree damage and power outages.

Notes:

- EM Emergency Declaration (FEMA)
- FEMA Federal Emergency Management Agency
- DR Major Disaster Declaration (FEMA)
- N/A Not applicable

### 9.40.6 Hazard Ranking and Jurisdiction-Specific Vulnerabilities

The hazard profiles in Section 5.0 (Risk Assessment) of this plan have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the City of Salamanca’s risk assessment results and data used to determine the hazard ranking.

A gradient of certainty was developed to summarize the confidence level regarding the input used to populate the hazard ranking. A certainty factor of high, medium or low was selected and assigned to each hazard to provide a level of transparency and create increased understanding of the data used to support the resulting ranking. The following scale was used to assign a certainty factor to each hazard:

- High—Defined scenario/event to evaluate; probability calculated; evidenced-based/quantitative assessment to estimate potential impacts through hazard modeling.
- Moderate—Defined scenario/event or only a hazard area to evaluate; estimated probability; combination of quantitative (exposure analysis, no hazard modeling) and qualitative data to estimate potential impacts.





- Low—Scenario or hazard area is undefined; there is a degree of uncertainty regarding event probability; majority of potential impacts are qualitative.

### Hazard Ranking

This section provides the community specific identification of the primary hazard concerns based on identified problems, impacts and the results of the risk assessment as presented in Section 5 (Risk Assessment) of the plan. The ranking process involves an assessment of the likelihood of occurrence for each hazard, along with its potential impacts on people, property, and the economy as well as community capability and changing future climate conditions. This input supports the mitigation action development to target those hazards with highest level of concern.

As discussed in Section 5.3 (Hazard Ranking), each participating jurisdiction may have differing degrees of risk exposure and vulnerability compared to Cattaraugus as a whole. Therefore, each municipality ranked the degree of risk to each hazard as it pertains to their community. The table below summarizes the hazard risk/vulnerability rankings of potential natural hazards for the City of Salamanca. The City of Salamanca has reviewed the county hazard risk/vulnerability risk ranking table as well as its individual results to reflect the relative risk of the hazards of concern to the community.

During the review of the hazard/vulnerability risk ranking, the City of Salamanca agreed with the calculated hazard rankings.

**Table 9.40-12. Hazard Ranking Input**

Flood	Landslide	Severe Storm	Severe Winter Storm	Utility Failure	Wildfire
Low	Low	High	High	High	Low

Note: The scale is based on the following hazard rankings as established in Section 5.3.

### Critical Facilities

New York Department of Environmental Conservation (DEC) Statute 6 CRR-NY 502.4 sets forth floodplain management criteria for State projects located in flood hazard areas. The law states that no such projects related to critical facilities shall be undertaken in a Special Flood Hazard Area (SFHA) unless constructed according to specific mitigation specifications, including being raised 2’ above the Base Flood Elevation (BFE). This statute is outlined at <http://tinyurl.com/6-CRR-NY-502-4>. While all vulnerabilities should be assessed and documented, the State places a high priority on exposure to flooding. Critical facilities located in an SFHA, or having ever sustained previous flooding, must be protected to the 0.2-percent flood event, or worst damage scenario. For those that do not meet this criteria, the jurisdiction must identify an action to achieve this level of protection (NYS DHSES 2017).

The table below identifies critical facilities in the community located in the 1-percent floodplain and presents Hazards United States (HAZUS) – Multi-Hazards (MH) estimates of the damage and loss of use to critical facilities as a result of a 1-percent annual chance flood event.

**Table 9.40-13. Potential Flood Losses to Critical Facilities**

Name	Type	Exposure 1% Event	Addressed by Proposed Action
City of Salamanca BPU	Potable Water, Wastewater	X	2020-City of Salamanca-001
Williams Michael	Religious	X	2020-City of Salamanca-002



Name	Type	Exposure 1% Event	Addressed by Proposed Action
CCSE Bank	Financial	X	2020-City of Salamanca-002

Source: Cattaraugus County 2020, City of Salamanca 2020

### Identified Issues

The municipality has identified the following vulnerabilities within their community:

- Areas along Titus Creek experience flooding, specifically State Park Avenue and The Bank.
- Broad Street culvert is caving in. NYS will be fixing the culvert.
- Backup power is needed for DPW.
- Floodplain administration staff require additional training.
- Additional public education on wildfire risk is needed.
- The City of Salamanca flood damage prevention ordinance is outdated and requires update.

### 9.40.7 Mitigation Strategy and Prioritization

This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and their prioritization.

#### Past Mitigation Initiative Status

The following table indicates progress on the community’s mitigation strategy identified in the 2014 Plan. Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and may also be found under ‘Capability Assessment’ presented previously in this annex.



Table 9.40-14. Status of Previous Mitigation Actions

Project #	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if complete)		Next Steps 1. Project to be included in 2020 HMP or Discontinue 2. If including action in the 2020 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Cost		
B2.32	Drainage study along Wildwood Avenue	Flood	City		Complete	Level of Protection		1. Discontinue 2. 3. Complete
						Damages Avoided; Evidence of Success		



### Completed Mitigation Initiatives Not Identified in the Previous Mitigation Strategy

The City of Salamanca has identified the following mitigation projects/activities that have also been completed but were not identified in the previous mitigation strategy in the 2014 Plan:

- None identified

### Proposed Hazard Mitigation Initiatives for the Plan Update

The City of Salamanca participated in a mitigation action workshop in September 2020 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 ‘Selecting Appropriate Mitigation Measures for Floodprone Structures’ (March 2007) and FEMA ‘Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards’ (January 2013).

Table 9.40-15 summarizes the comprehensive range of specific mitigation initiatives the City of Salamanca would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide range of activities and mitigation measures selected.

As discussed in Section 6, 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing your actions as ‘High’, ‘Medium’, or ‘Low.’ The table below summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.40-16 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.40-15. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
2020-City of Salamanca-001	City of Salamanca BPU	1	Flood	<p><b>Problem:</b> The City of Salamanca BPU is located in the Special Flood Hazard Area. Critical facilities need to be protected to the 500-year flood level.</p> <p><b>Solution:</b> The city will conduct a feasibility assessment to determine what additional floodproofing measures are needed at the BPU to protect it to the 500-year flood level. Options include:</p> <ul style="list-style-type: none"> <li>•Elevation of facility</li> <li>•Floodproofing of facility</li> <li>•Mobile flood barriers</li> </ul> <p>Once the most cost-effective option is identified, the city will carry out the option.</p>	Yes ●	None	Within 5 years	Engineer, BPU	TBD by feasibility assessment	Ensures continuity of operations of BPU	FEMA HMGP, BRIC, USDA Community Facilities Grant Program, city budget	High	SIP	PP
2020-City of Salamanca-002	Critical Facilities Outreach	1, 3	Flood	<p><b>Problem:</b> The city has two critical facility located in the Special Flood Hazard Area. that is not City owned:</p> <ul style="list-style-type: none"> <li>• Williams Michael, religious</li> <li>• CCSE Bank</li> </ul> <p><b>Solution:</b> The FPA will conduct outreach to the facility managers to discuss flood exposure and potential mitigation actions.</p>	Yes ●	None	Within 6 months	FPA	Staff time	Facility managers aware of flood exposure and potential mitigation actions	City budget	High	EAP	PI
2020-City of Salamanca-003	Titus Creek Flooding	1	Flood	<p><b>Problem:</b> Areas along Titus Creek experience flooding, specifically State Park Avenue and The Bank.</p> <p><b>Solution:</b> Conduct outreach to 15 flood-prone property owners and provide information on mitigation alternatives. After preferred mitigation measures are identified, collect required property-owner information and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving/elevating</p>	No	None	6-12 months	FPA, supported by homeowners	\$1.5 Million	Eliminates flood damage to homes and residents, creates open space for the municipality increasing flood storage.	FEMA HMGP and FMA, local cost share by residents	High	SIP	PP







Table 9.40-15. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
				residential homes in the flood prone areas that experience frequent flooding (high risk areas).										
2020-City of Salamanca-004	Broad Street Culvert	1	Flood, Severe Storm	<b>Problem:</b> Broad Street culvert at Titus Creek is caving in. NYS will be fixing the culvert. <b>Solution:</b> The city will assist the NYS DOT with the replacement of the Broad Street culvert.	No	None	Within 1 year	NYS DOT	\$5,000	Culvert protected from collapse; flood risk reduced	NYS DOT, CHIPS	High	SIP	PP
2020-City of Salamanca-005	DPW Backup Power	1	Utility Failure	<b>Problem:</b> Backup power sources are necessary to maintain critical services. The DPW lacks a permanent power source. <b>Solution:</b> The City Engineer will research what size generator is necessary to supply backup power to the DPW. The city will then install a backup power generator and necessary electrical components.	No	None	Within 5 years	DPW, Engineer	\$20,000	Ensures continuity of operations of DPW	FEMA HMGP, USDA Community Facilities Grant Program, EMPG, Municipal Budget	High	SIP	PP
2020-City of Salamanca-006	FPA Training	3	Flood	<b>Problem:</b> Floodplain administration staff require additional training. <b>Solution:</b> The City FPA and staff who assist with floodplain administration will attend trainings and workshops offered by FEMA and NYS to develop additional floodplain administration skills.	No	None	1 year	Administration	Staff time, potential attendance fees	Increased quality of floodplain administration	City budget	High	LPR	PR
2020-City of Salamanca-007	Wildfire Outreach	3	Wildfire	<b>Problem:</b> Additional public education on wildfire risk is needed. <b>Solution:</b> The city will conduct outreach to residents, business owners, and organizations about what they can do to protect their structures from wildfires.	No	None	1 year	Administration	\$1,000	Increased wildfire awareness and personal actions taken to mitigate risk	City budget	High	EAP	PI
2020-City of Salamanca-008	Flood Damage Prevention Ordinance	1, 2	Flood	<b>Problem:</b> The City of Salamanca flood damage prevention ordinance is outdated and requires update. <b>Solution:</b> The city will adopt an updated flood damage prevention	No	None	Within 6 months	FPA	Staff time	NFIP compliance	City budget	High	LPR	PR



Table 9.40-15. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
				ordinance to maintain NFIP compliance.										
2020-City of Salamanca-009	High Hazard Tree Program	1	Severe Storm, Severe Winter Storm, Utility Failure	<p><b>Problem:</b> High hazard trees pose a risk for falling on private property and utilities during storm events. The city does not have a program in place to monitor and inspect trees and identify ones that need to be trimmed or removed.</p> <p><b>Solution:</b> The city will develop a vegetation management program. This program will include routine inspections of trees in the municipal rights-of-way, identify trees that are in need of trimming or removal, and conduct the trimming and removal. This will help reduce tree damage, road closures, and power outages during severe weather events. A majority of the tree work will be conducted by the DPW; however, outside contractors might be used if removal is beyond the Department's capability.</p>	Yes	None	Within 6 months	DPW	\$50,000	Reduction in falling trees, utility failure	HMGP, CHIPS, city budget	High	EAP	PI
2020-City of Salamanca-010	Titus Creek Flood Study	1, 2	Flood	<p><b>Problem:</b> Titus Creek is responsible for flooding issues in the City.</p> <p><b>Solution:</b> The city will conduct a flood study to determine the best actions to reduce flood risk to the area, specifically focused on Route 417, East Race Street, and Front Avenue. If cost effective mitigation actions are identified, the City will work to implement the selected actions.</p>	No	None	Within 5 years	Engineer	High	Identification of flood mitigation actions, implementation of cost-effective actions, reduction in flood risk	HMGP, FMA, BRIC, city budget	High	LPR, SIP	SP, PP

Notes:

Not all acronyms and abbreviations defined below are included in the table.





Acronyms and Abbreviations:

CAV	Community Assistance Visit
CRS	Community Rating System
DPW	Department of Public Works
EHP	Environmental Planning and Historic Preservation
FEMA	Federal Emergency Management Agency
FPA	Floodplain Administrator
HMA	Hazard Mitigation Assistance
N/A	Not applicable
NFIP	National Flood Insurance Program
OEM	Office of Emergency Management

Potential FEMA HMA Funding Sources:

FMA	Flood Mitigation Assistance Grant Program
HMGF	Hazard Mitigation Grant Program
BRIC	Building Resilient Infrastructure and Communities

Timeline:

The time required for completion of the project upon implementation


Cost:

The estimated cost for implementation.

Benefits:

A description of the estimated benefits, either quantitative and/or qualitative.

Critical Facility:

Yes  Critical Facility located in 1% floodplain

Mitigation Category:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) - These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities

CRS Category:

- Preventative Measures (PR) - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- Property Protection (PP) - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.
- Public Information (PI) - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.
- Natural Resource Protection (NR) - Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.
- Structural Flood Control Projects (SP) - Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.
- Emergency Services (ES) - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities



Table 9.40-16. Summary of Prioritization of Actions

Project Number	Project Name	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
2020-City of Salamanca-001	City of Salamanca BPU	1	1	1	1	1	1	0	1	1	1	0	0	1	1	11	High
2020-City of Salamanca-002	Critical Facilities Outreach	1	1	1	1	1	0	1	1	1	1	0	1	1	1	12	High
2020-City of Salamanca-003	Titus Creek Flooding	1	1	1	1	1	1	0	1	0	0	1	0	1	1	10	High
2020-City of Salamanca-004	Broad Street Culvert	0	1	1	1	1	0	1	1	1	1	1	1	1	1	12	High
2020-City of Salamanca-005	DPW Backup Power	1	1	1	1	1	1	0	1	1	1	0	1	1	1	12	High
2020-City of Salamanca-006	FPA Training	1	1	1	1	1	1	1	1	1	1	0	1	1	1	13	High
2020-City of Salamanca-007	Wildfire Outreach	1	1	1	1	1	1	1	1	1	1	0	1	1	1	13	High
2020-City of Salamanca-008	Flood Damage Prevention Ordinance	0	1	1	1	1	1	1	1	1	1	0	1	1	1	12	High
2020-City of Salamanca-009	High Hazard Tree Program	0	1	1	1	1	0	0	1	1	1	1	1	1	1	11	High
2020-City of Salamanca-010	Titus Creek Flood Study	1	1	1	0	1	1	0	1	1	1	0	0	1	1	10	High

Note: Refer to Section 6, which conveys guidance on prioritizing mitigation actions. Low (0-4), Medium (5-8), High (9-14).



### 9.40.8 Proposed Mitigation Action Types

The table below indicates the range of proposed mitigation action categories.

Table 9.40-17. Analysis of Mitigation Actions by Hazard and Category

Hazard	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Flood	X	X		X	X	X	X		X	
Landslide										
Severe Storm		X		X		X	X			
Severe Winter Storm				X			X			
Utility Failure		X		X		X	X			
Wildfire				X			X			

Note: Section 6 (Mitigation Strategy) provides for an explanation of the mitigation categories.

### 9.40.9 Staff and Local Stakeholder Involvement in Annex Development

The City of Salamanca followed the planning process described in Section 3 (Planning Process) in Volume I of this plan update. This annex was developed over the course of several months with input from many City departments, including: the Mayor, Superintendent of Public Works, and Assessor. The Department of Public Works represented the community on the Cattaraugus County Hazard Mitigation Plan Planning Partnership and supported the local planning process requirements by securing input from persons with specific knowledge to enhance the plan. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization.

Additional documentation on the municipality’s planning process through Planning Partnership meetings is included in Section 3 (Planning Process) and Appendix C (Meeting Documentation).

### 9.40.10 Hazard Area Extent and Location

Hazard area extent and location maps have been generated for the City of Salamanca that illustrate the probable areas impacted within the municipality. These maps are based on the best available data at the time of the preparation of this plan, and are considered to be adequate for planning purposes. The maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the City of Salamanca has significant exposure. These maps are illustrated below.



Figure 9.40-1. City of Salamanca Hazard Area Extent and Location Map 1

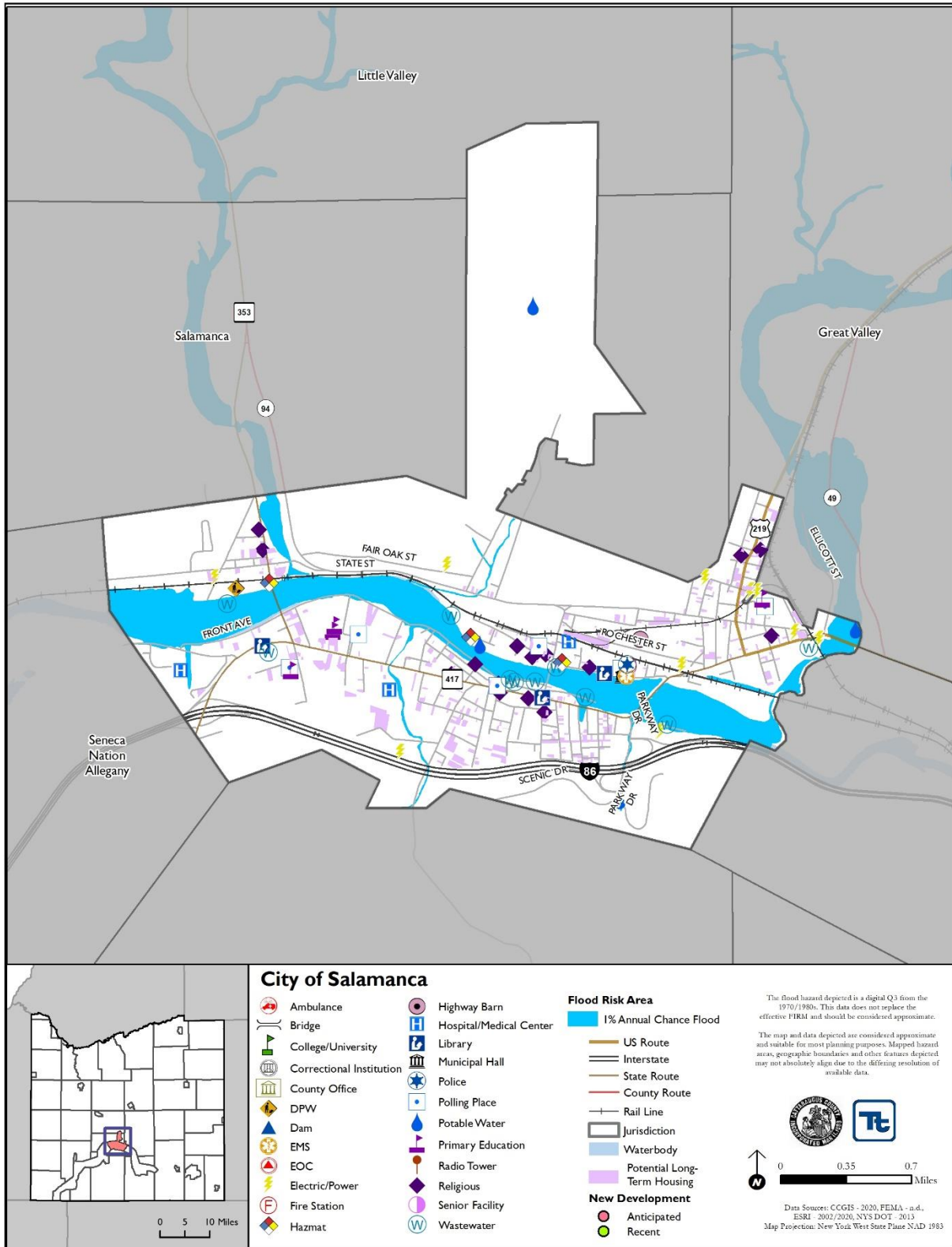
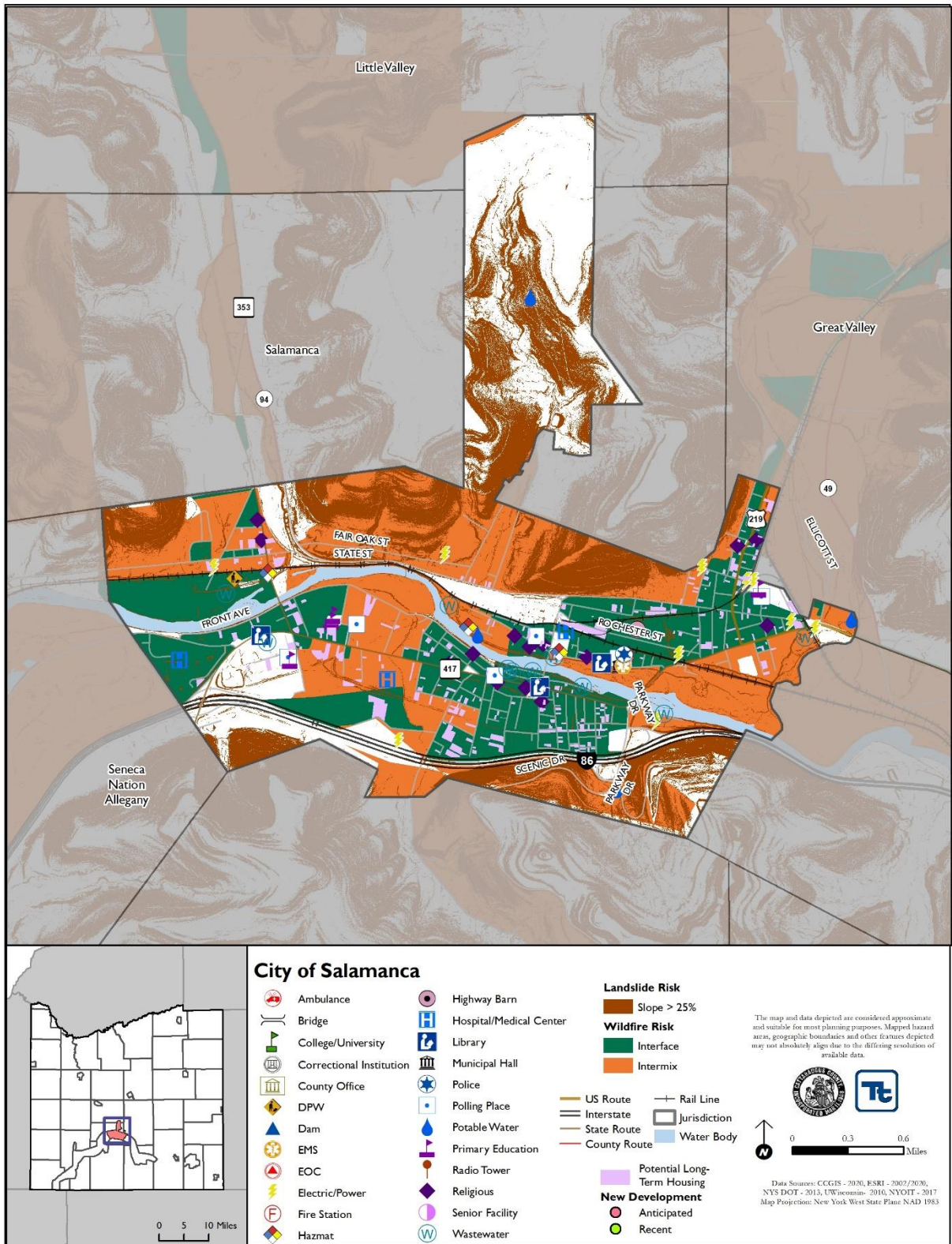






Figure 9.40-2. City of Salamanca Hazard Area Extent and Location Map 2





Action Worksheet			
<b>Project Name:</b>	City of Salamanca BPU		
<b>Project Number:</b>	2020-City of Salamanca-001		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	Flood		
<b>Description of the Problem:</b>	The City of Salamanca BPU is located in the Special Flood Hazard Area. Critical facilities need to be protected to the 500-year flood level.		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	<p>The city will conduct a feasibility assessment to determine what additional floodproofing measures are needed at the BPU to protect it to the 500-year flood level. Options include:</p> <ul style="list-style-type: none"> <li>Elevation of facility</li> <li>Floodproofing of facility</li> <li>Mobile flood barriers</li> </ul> <p>Once the most cost-effective option is identified, the city will carry out the option.</p>		
<b>Is this project related to a Critical Facility?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the Special Flood Hazard Area?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
(If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
<b>Level of Protection:</b>	500-year flood level	<b>Estimated Benefits (losses avoided):</b>	Ensures continuity of operations of BPU
<b>Useful Life:</b>	TBD by feasibility assessment	<b>Goals Met:</b>	1
<b>Estimated Cost:</b>	TBD by feasibility assessment	<b>Mitigation Action Type:</b>	Structure and Infrastructure Projects (SIP)
Plan for Implementation			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	Within 5 years
<b>Estimated Time Required for Project Implementation:</b>	1 year	<b>Potential Funding Sources:</b>	FEMA HMGP, BRIC, USDA Community Facilities Grant Program, City Budget
<b>Responsible Organization:</b>	Engineer, BPU	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation, Emergency Management
Three Alternatives Considered (including No Action)			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Problem continues.
	Relocate BPU	N/A	Not possible
	Build levee around facility	N/A	No space for full levee system
Progress Report (for plan maintenance)			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			





Action Worksheet		
<b>Project Name:</b>	City of Salamanca BPU	
<b>Project Number:</b>	2020-City of Salamanca-001	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Project will protect critical services of BPU
Property Protection	1	Project will protect BPU from flood damage.
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	The city has the legal authority to complete the project.
Fiscal	0	Project requires funding support.
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	0	Flood
Timeline	0	Within 5 years
Agency Champion	1	Engineer, BPU
Other Community Objectives	1	Protection of critical services
<b>Total</b>	11	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	Titus Creek Flooding		
<b>Project Number:</b>	2020-City of Salamanca-003		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	Flood, Severe Storm		
<b>Description of the Problem:</b>	Areas along Titus Creek experience flooding, specifically State Park Avenue and The Bank. While the City does not have repetitive loss properties, there have been flood claims in this area.		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	Conduct outreach to 15 flood-prone property owners and provide information on mitigation alternatives. After preferred mitigation measures are identified, collect required property-owner information and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving/elevating residential homes in the flood prone areas that experience frequent flooding (high risk areas).		
<b>Is this project related to a Critical Facility or Lifeline?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the Special Flood Hazard Area?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
<b>Level of Protection:</b>	1% annual chance flood event + freeboard ( <i>in accordance with flood ordinance</i> )	<b>Estimated Benefits (losses avoided):</b>	Eliminates flood damage to homes and residents, creates open space for the municipality increasing flood storage.
<b>Useful Life:</b>	Acquisition: Lifetime Elevation: 30 years (residential)	<b>Goals Met:</b>	1, 2
<b>Estimated Cost:</b>	\$1.5 Million	<b>Mitigation Action Type:</b>	Structure and Infrastructure Project
Plan for Implementation			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	6-12 months
<b>Estimated Time Required for Project Implementation:</b>	Three years	<b>Potential Funding Sources:</b>	FEMA HMGP and FMA, local cost share by residents
<b>Responsible Organization:</b>	NFIP Floodplain Administrator, supported by homeowners	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Current problem continues
	Elevate homes	\$500,000	When this area floods, the entire area is impacted; elevating homes would not eliminate the problem and still lead to road closures and impassable roads
Elevate roads	\$500,000	Elevated roadways would not protect the homes from flood damages	
Progress Report (for plan maintenance)			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Action Worksheet		
<b>Project Name:</b>	Titus Creek Flooding	
<b>Project Number:</b>	2020-City of Salamanca-003	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Families moved out of high-risk flood areas.
Property Protection	1	Properties removed from high-risk flood areas.
Cost-Effectiveness	1	Cost-effective project
Technical	1	Technically feasible project
Political	1	
Legal	1	The city has the legal authority to conduct the project.
Fiscal	0	Project will require grant funding.
Environmental	1	
Social	0	Project would remove families from the flood prone areas of the City.
Administrative	0	
Multi-Hazard	1	Flood, Severe Storm
Timeline	0	
Agency Champion	1	NFIP Floodplain Administrator, supported by homeowners
Other Community Objectives	1	
<b>Total</b>	10	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	DPW Backup Power		
<b>Project Number:</b>	2020-City of Salamanca-005		
<b>Risk / Vulnerability</b>			
<b>Hazard(s) of Concern:</b>	Utility Failure		
<b>Description of the Problem:</b>	Backup power sources are necessary to maintain critical services. The DPW lacks a permanent power source.		
<b>Action or Project Intended for Implementation</b>			
<b>Description of the Solution:</b>	The City Engineer will research what size generator is necessary to supply backup power to the DPW. The city will then install a backup power generator and necessary electrical components.		
<b>Is this project related to a Critical Facility?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the Special Flood Hazard Area?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
(If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
<b>Level of Protection:</b>	N/A	<b>Estimated Benefits (losses avoided):</b>	Ensures continuity of operations of DPW
<b>Useful Life:</b>	20 years	<b>Goals Met:</b>	1
<b>Estimated Cost:</b>	\$20,000	<b>Mitigation Action Type:</b>	Structure and Infrastructure Projects (SIP)
<b>Plan for Implementation</b>			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	Within 5 years
<b>Estimated Time Required for Project Implementation:</b>	1 year	<b>Potential Funding Sources:</b>	FEMA HMGP, USDA Community Facilities Grant Program, EMPG, Municipal Budget
<b>Responsible Organization:</b>	Engineer, DPW	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation, Emergency Management
<b>Three Alternatives Considered (including No Action)</b>			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Problem continues.
	Install solar panels	\$100,000	Weather dependent; need large amount of space for installation; expensive if repairs needed
	Install wind turbine	\$100,000	Weather dependent; poses a threat to wildlife; expensive repairs if needed
<b>Progress Report (for plan maintenance)</b>			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Action Worksheet		
<b>Project Name:</b>	DPW Backup Power	
<b>Project Number:</b>	2020-City of Salamanca-005	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Project will protect critical services of DPW
Property Protection	1	Project will protect DPW from power loss.
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	The city has the legal authority to complete the project.
Fiscal	0	Project requires funding support.
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	0	Utility Failure
Timeline	1	1 year
Agency Champion	1	DPW, Engineer
Other Community Objectives	1	
<b>Total</b>	12	
<b>Priority (High/Med/Low)</b>	High	