



## 9.24 TOWN OF LITTLE VALLEY

This section presents the jurisdictional annex for the Town of Little Valley. 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 town participated in the planning process; an assessment of the Town of Little Valley’s risk and vulnerability; the different capabilities utilized in the town; and an action plan that will be implemented to achieve a more resilient community.

### 9.24.1 Hazard Mitigation Planning Team

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

Table 9.24-1. Hazard Mitigation Planning Team

Primary Point of Contact	Alternate Point of Contact
Name/Title: Susan Koch, Clerk Address: 5147 Fourth St, Little Valley, NY 14755 Phone Number: 716-938-6441 Email: townlv1@yahoo.com	Name/Title: Thomas J. Crouse, Highway Superintendent Address: 31 Hill Street, Little Valley NY 14755 Phone Number: 716-938-6423 Email: townlv1@yahoo.com
Alternate Point of Contact	
Name/Title: Peter E. Wrona, Town Supervisor Address: 8937 Route 242, Little Valley NY 14755 Phone Number: 716-938-6441 Email: townlv1@yahoo.com	
NFIP Floodplain Administrator	
Name/Title: Gary Brecker, Code Enforcement Officer Address: 201 Third Street, Little Valley NY 14755 Phone Number: 716-392-7241 Email: townlv1@yahoo.com	

### 9.24.2 Municipal Profile

The Town of Little Valley lies in the central part of Cattaraugus County in western New York State. The Town of Little Valley has a total area of 29.92 square miles. Little Valley Creek, Dublin Creek, and Whig Street Creek all flow through the town. The town is bordered to the north by the Town of Mansfield, to the east is the Town of Great Valley, to the south is the Town of Salamanca and City of Salamanca, and to the west is the Town of Napoli. The Hamlet of Elkdale is located within the Town.

Data from the 2018 U.S. Census American Community Survey indicate that town has a total population of 1,844, with 8.2 percent of the town population 5 years of age or younger and 16.3 percent of the town 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 Town of Little Valley was formed in 1818 from part of the Town of Perry and was the fourth town to be formed within Cattaraugus County. The Town of Little Valley initially included the towns of Leon, Conewango, Randolph, South Valley, Coldspring, Napoli, New Albion, Mansfield, Salamanca, and Red House before being





divided in 1854. Dairy was the primary industry in the town following its formation, leading to the creation of several cheese factories and creameries.

### 9.24.3 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 9.24-2 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development. Figure 9.24-1 at the end of this annex illustrates the geographically-delineated hazard areas and the location of potential new development, where available.

**Table 9.24-2. 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	4	0	1	0	0	0	2	0	0	0
Multi-Family	0	0	0	0	0	0	0	0	0	0
Other (commercial, mixed-use, etc.)	0	0	0	0	1	0	0	0	0	0
<b>Total</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</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>										
Dollar General	Comm – Dept. St.	1		5442 NYS Route 353		1% flood zone and wildfire interface		Finished in 2016		
<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.

### 9.24.4 Capability Assessment

The Town of Little Valley 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 9.24.4). The Town of Little Valley 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 Town of Little Valley and where hazard mitigation has been integrated.

**Table 9.24-3. 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	6/16/17	Local	Building Department	Yes	Yes	-
Comment: The Town Code and NYS Building Code are referred to in the Building Code.							
Zoning Code	Yes	1/1/17	Local	Building Department	No	Yes	-
Comment: None							
Subdivisions	Yes	1/1/17	Local	Building Department	No	Yes	-
Comment: None							
Stormwater Management	Yes	FEMA	Local	D.P.W.	Yes	Yes	-
Comment: None							
Post-Disaster Recovery	Yes	Town and County	Local and County	D.P.W.	No	Yes	-
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	Yes	Building Code	Local	Codes Division	Yes	Yes	-
Comment: None							
Site Plan Review	Yes	Town Code Ch. 120	Local	Codes Division	No	Yes	-
Comment: None							
Environmental Protection	Yes	Town Code Ch. 140	Local	Codes Division	Yes	Yes	-
Comment: None							
Flood Damage Prevention	Yes	Town Code Ch. 72	Local	Floodplain Administrator	Yes - BFE+2 feet for all construction in the SFHA (residential)	Yes	2020-Little Valley-001



	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 and non-residential)	Has this been integrated? If no - can it be a mitigation action? If yes, add Mitigation Action #.	
Comment: None							
Municipal Separate Storm Sewer System (MS4)	Yes	D.P.W. Regs	Local	DPW	Yes	Yes	-
Comment: None							
Emergency Management	Yes	EM Operation 4/11/16	All	Town	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	L.U. Comp Plan 10-99	Local	Town Board	No	Yes	-
Comment: The Comprehensive Plan refers to the Town's codes.							
Capital Improvement Plan	Yes	Comp Plan 10-99	Local	Town Board	No	Yes	-
Comment: None							
Disaster Debris Management Plan	Yes	Local and County	Local and County	D.P.W.	No	Yes	-
Comment: None							
Floodplain or Watershed Plan	No	-	-	-	No	-	-
Comment: None							
Stormwater Plan	Yes	-	-	-	No	-	-
Comment: None							
Open Space Plan	Yes	Town Code	Local	Code Officer	Yes	Yes	-
Comment: The Open Space Plan refers to the town's codes.							
Urban Water Management Plan	Yes	Per Health Department	County	Health Department	No	Yes	-
Comment: None							
Habitat Conservation Plan	Yes	NYSDEC	Local and State	Local and State	No	Yes	-
Comment: None							
Economic Development 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 #.	
Shoreline Management Plan	No	-	-	-	Yes	-	-
Comment: None							
Community Wildfire Protection Plan	No	-	-	-	No	-	-
Comment: None							
Forest Management Plan	Yes	Town Code Ch. 40	Local	Code Officer	No	Yes	-
Comment: None							
Transportation Plan	No	-	-	-	No	-	-
Comment: None							
Agriculture Plan	Yes	Zoning	Local	Code Officer	Yes	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	Special Code 4-11-16	Local	Town Board	Yes	Yes	-
Comment: None							
Strategic Recovery Planning Report	No	-	-	-	-	-	-
Comment: None							
Threat & Hazard Identification & Risk Assessment (THIRA)	Yes	Ch. 140, 1/1/17	Local	Code Official	Yes	Yes	-
Comment: None							
Post-Disaster Recovery Plan	No	-	-	-	No	-	-
Comment: None							
Continuity of Operations Plan	No	-	-	-	No	-	-
Comment: None							
Public Health Plan	Yes	Public Health Plan	County	County Health Department	No	Yes	-
Comment: None							
Other	No	-	-	-	No	-	-
Comment: None							



**Table 9.24-4. 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 Town of Little Valley.

**Table 9.24-5. Administrative and Technical Capabilities**

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

**Fiscal Capability**

The table below summarizes financial resources available to the Town of Little Valley.

**Table 9.24-6. Fiscal Capabilities**

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	No
Capital improvements project funding	Yes – CHIPS
Authority to levy taxes for specific purposes	No





Financial Resources	Accessible or Eligible to Use (Yes/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	No
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	No
Open Space Acquisition funding programs	No
Other	Yes

### Education and Outreach Capability

The table below summarizes the education and outreach resources available to the Town of Little Valley.

**Table 9.24-7. Education and Outreach Capabilities**

Indicate if your jurisdiction has the following resources	Yes/No; Please describe
Public information officer or communications office?	Yes – Town Supervisor
Personnel skilled or trained in website development?	Yes – Clerks Office
Hazard mitigation information available on your website; if yes, describe	No
Social media for hazard mitigation education and outreach; if yes, briefly describe.	No
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.	No
Natural disaster/safety programs in place for schools; if yes, briefly describe.	No
Other	No

### Community Classifications

The table below summarizes classifications for community programs available to the Town of Little Valley.

**Table 9.24-8. Community Classifications**

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	Yes	Unknown	Unknown
Public Protection (ISO Fire Protection Classes 1 to 10)	No	-	-
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 town currently is not undertaking any climate change related projects and would rely on the county for information on future impacts from climate change.

Table 9.24-9. Adaptive Capacity

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

Gary Brecker, Code Enforcement Officer

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

The Town of Little Valley does not maintain a list of property owners interested in flood mitigation and has no homeowners or businesses that are interested in mitigation. There are no current RiskMAP projects currently underway within the town. The town has made no Substantial Damage Determinations for recent flood events. No properties have been mitigated within the town. Flood hazard maps for the Town of Little Valley adequately address the flood risk within the town.

The following table summarizes the NFIP statistics for the Town of Little Valley.

Table 9.24-10. NFIP Summary

Municipality	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties
Town of Little Valley	10	0	\$0	0

Source: NYS DHSES 2020  
 Notes: RL Repetitive Loss







## Resources

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The Town of Little Valley's Building Department is responsible for floodplain management, and the town has certified floodplain staff. The town does not have access to resources to determine possible future flooding conditions from climate change. Floodplain management staff within the town do not need assistance to support its floodplain management program but additional training is welcome. The town does not require NFIP administration services and did not identify any barriers within the community to running an effective NFIP program. The town qualifies proposed development on an existing structure as a substantial improvement if there is more than 50% damage to the structure.

## Compliance History

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The Town of Little Valley does not have any outstanding NFIP compliance violations that need to be addressed. The most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC) took place in 2019.

## Regulatory

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The municipal code of the Town of Little Valley's flood damage prevention ordinance is Ch. 72 – Local Municipal Code. The ordinance was last updated on December 1, 2012. The town's floodplain management program meets the minimum requirements. There are other local ordinances, plans, or programs that support floodplain management and meeting the NFIP requirements.

## Additional Areas of Existing Integration

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**Town Website:** The town website (<http://www.littlevalleyny.org/>) can be update to host community information, local laws, and announcements.

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

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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

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The Town of Little Valley has identified Route 353, Route 242, Whig Street, Liebler Hill Road, 4<sup>th</sup> Street, and the East Branch of Bucktooth Run Road as evacuation routes.

### Sheltering

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The Town of Little Valley can use municipal buildings for emergency shelters, but none of the shelters are officially designated as such.

### Temporary Housing

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The entire Town of Little Valley is suitable for the placement of temporary housing – there is very little development within the town and much of the land use is agricultural.

### Permanent Housing

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The Town of Little Valley has not identified appropriate locations for the placement of permanent housing outside the floodplain. The Town of Little Valley will work with Cattaraugus County to identify regional locations for temporary and permanent housing (2020-Town of Little Valley-004).



### 9.24.5 Hazard Event History Specific to the Town of Little Valley

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 Town of Little Valley’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 9.24-11 provides details regarding municipal-specific loss and damages the town 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 9.24-11. 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, the Town of Little Valley 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, the Town of Little Valley 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, the Town of Little Valley 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, the Town of Little Valley 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.	Although the county was impacted, the Town of Little Valley did not report any damages.

*Notes:*

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

### 9.24.6 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 Town of Little Valley’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 Town of Little Valley. The Town of Little Valley 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 town agreed with the calculated hazard rankings.

**Table 9.24-12. 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 annual chance 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 annual chance 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 9.24-13. Potential Flood Losses to Critical Facilities

Name	Type	Exposure	Addressed by Proposed Action
		1% Event	
None identified			

Source: Cattaraugus County 2020

### Identified Issues

The municipality has identified the following vulnerabilities within their community:

- The Town of Little Valley requires an update to the Flood Damage Prevention Ordinance.
- Floodplain administration staff require additional training.
- Additional public education on wildfire risk is needed.
- The Town of Little Valley needs to identify locations for the placement of permanent housing.
- The Town of Little Valley identified the areas along Little Valley Creek as the most flood prone areas within the community.
- Town Hall and Town Garage require backup power
- Mutton Hollow Road and Whig Street culverts are undersized.
- The Town Garage and Office and Court building need to be mitigated from flooding or relocated away from Little Valley Creek.

### 9.24.7 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 9.24-14. 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		
B2.24	Install culvert on 4 <sup>th</sup> Street in Town of Little Valley	Flood	Town		No Progress	Level of Protection		1. Discontinue 2. 3. Project located in Village of Little Valley
						Damages Avoided; Evidence of Success		



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

The Town of Little Valley did not identify any mitigation projects or activities that have also been completed but were not identified in the previous mitigation strategy in the 2014 Plan.

### **Proposed Hazard Mitigation Initiatives for the Plan Update**

The Town of Little Valley 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 9.24-15 summarizes the comprehensive range of specific mitigation initiatives the Town of Little Valley 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 9.24-16 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.24-15. 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-Town of Little Valley-001	Flood Damage Prevention Ordinance	1, 2	Flood	<b>Problem:</b> The Town of Little Valley requires an update to the Flood Damage Prevention Ordinance.	No	None	Within 6 months	FPA	Staff time	NFIP compliance	Town budget	High	LPR	PR
				<b>Solution:</b> The town will adopt an updated flood damage prevention ordinance to maintain NFIP compliance.										
2020-Town of Little Valley-002	FPA Training	3	Flood	<b>Problem:</b> Floodplain administration staff require additional training.	No	None	1 year	Administration	Staff time, potential attendance fees	Increased quality of floodplain administration	Town budget	High	LPR	PR
				<b>Solution:</b> The Town FPA and staff who assist with floodplain administration will attend trainings and workshops offered by FEMA and NYS to develop additional floodplain administration skills.										
2020-Town of Little Valley-003	Wildfire Outreach	3	Wildfire	<b>Problem:</b> Additional public education on wildfire risk is needed.	No	None	1 year	Administration	\$1,000	Increased wildfire awareness and personal actions taken to mitigate risk	Town budget	High	EAP	PI
				<b>Solution:</b> The town will conduct outreach to residents, business owners, and organizations about what they can do to protect their structures from wildfires.										
2020-Town of Little Valley-004	Identification of Permanent Housing Locations	1	All Hazards	<b>Problem:</b> The Town of Little Valley needs to identify locations for the placement of permanent housing.	No	None	Within 6 months	Administration	Staff time	Permanent housing locations identified	Town budget	High	LPR	ES
				<b>Solution:</b> The Town of Little Valley will work with Cattaraugus County to identify regional locations for temporary and permanent housing.										
2020-Town of	Relocate Town Hall,	1	Flood, Severe Storm	<b>Problem:</b> The following critical facilities are municipally owned and have repeatedly been	Yes	None	Within 5 years	Engineer	TBD by facility/facilities design,	Ensures continuity of operations of	FEMA HMGP and BRIC,	High	SIP	PP





Table 9.24-15. 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
Little Valley-005	Highway Barn, Court			<p>damaged by storms and flooding:</p> <ul style="list-style-type: none"> <li>• Town Hall</li> <li>• Highway Barn</li> <li>• Court</li> </ul> <p>The facilities are currently housed in the same structure which is not located in the special flood hazard area but has still experienced flooding.</p> <p><b>Solution:</b> The town will relocate the facilities to a location outside of the reach of flooding. If the facilities need to be separated and reconstructed as three distinct buildings, this course of action will be taken. Once the most cost-effective option is identified, the town will carry out the option.</p>					anticipated High	Town Hall, Highway Barn, Court	USDA Community Facilities Grant Program, EMPG, town Budget			
2020-Town of Little Valley-006	Storm Sewer Upgrades	1	Flood, Severe Storm	<p><b>Problem:</b> The town has multiple areas that are repetitively impacted by stormwater flooding. Roadways and areas that experience flooding include:</p> <ul style="list-style-type: none"> <li>• Third Street</li> <li>• Fourth Street</li> <li>• Bucktooth Run (West and East Branch)</li> <li>• Whig Street</li> <li>• Liebler Road</li> <li>• Kyler Hill Road</li> <li>• Dutch Hill Road</li> <li>• Hungry Hollow Road</li> <li>• Mutton Hollow Road</li> </ul>	No	None	Within 5 years	Engineer, Highway Department	High	Reduction in stormwater flooding	HMGP, BRIC, CHIPS, town budget	High	SIP	SP





Table 9.24-15. 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
				<b>Solution:</b> The Engineer will design stormwater improvements for the identified roadways and areas. The Highway Department will carry out construction of the identified stormwater improvements.										
2020-Town of Little Valley-007	Backup Power	1	Utility Failure	<p><b>Problem:</b> Backup power sources are necessary to maintain critical services for critical facilities. The Town Hall and Town Garage require permanent backup power. These facilities are currently serviced by a manual generator.</p> <p><b>Solution:</b> The Town Engineer will research what size generator is necessary to supply backup power to the Town Hall and Town Garage. The town will then install a backup power generator and necessary electrical components at each facility. If the facilities are not relocated to a location away from flooding, the generators will also be installed above the 500-year flood level on an elevated platform.</p>	Yes	None	Within 5 years	Engineer, OEM, Highway Department	\$50,000 per generator	Ensures continuity of operations of Town Hall and Town Garage	FEMA HMGP and BRIC, USDA Community Facilities Grant Program, EMPG, Municipal Budget	High	SIP	ES
2020-Town of Little Valley-008	Mutton Hollow Road and Whig Street Culvert Upgrades	1	Flood, Severe Storm	<p><b>Problem:</b> Mutton Hollow Road and Whig Street culverts are undersized.</p> <p><b>Solution:</b> The town will replace and upsize the repetitively damaged/undersized culverts on Mutton Hollow Road and Whig Street.</p>	No	None	Within 5 years	Highway Department	\$5,000 per culvert	Reduction in culvert damages and flood risk	HMGP, BRIC, CHIPS, town budget	High	SIP	SP



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
HMGP	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 9.24-16. 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-Town of Little Valley-001	Flood Damage Prevention Ordinance	0	1	1	1	1	1	1	1	1	1	0	1	1	1	12	High
2020-Town of Little Valley-002	FPA Training	1	1	1	1	1	1	1	1	1	1	0	1	1	1	13	High
2020-Town of Little Valley-003	Wildfire Outreach	1	1	1	1	1	1	1	1	1	1	0	1	1	1	13	High
2020-Town of Little Valley-004	Identification of Permanent Housing Locations	1	0	1	1	1	1	1	1	1	1	1	1	1	1	13	High
2020-Town of Little Valley-005	Relocate Town Hall, Highway Barn, Court	1	1	1	1	1	1	0	1	1	1	1	0	1	1	12	High
2020-Town of Little Valley-006	Storm Sewer Upgrades	0	1	1	1	1	1	0	1	1	1	1	0	1	1	11	High
2020-Town of Little Valley-007	Backup Power	1	1	1	1	1	1	0	1	1	1	0	1	1	1	12	High
2020-Town of Little Valley-008	Mutton Hollow Road and Whig Street Culvert Upgrades	0	1	1	1	1	1	0	1	1	1	1	0	1	1	11	High

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



### 9.24.8 Proposed Mitigation Action Types

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

Table 9.24-17. 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
Landslide	X									X
Severe Storm	X	X				X			X	X
Severe Winter Storm	X									X
Utility Interruption	X	X								X
Wildfire	X			X			X			X

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

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

The Town of Little Valley 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 town departments, including: Clerk, Town Supervisor, Highway Superintendent, and Code Enforcement Officer. The Clerk 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).

#### 9.24.10 Hazard Area Extent and Location

Hazard area extent and location maps have been generated for the Town of Little Valley 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 Town of Little Valley has significant exposure. These maps are illustrated below.



Figure 9.24-1. Town of Little Valley Hazard Area Extent and Location Map 1

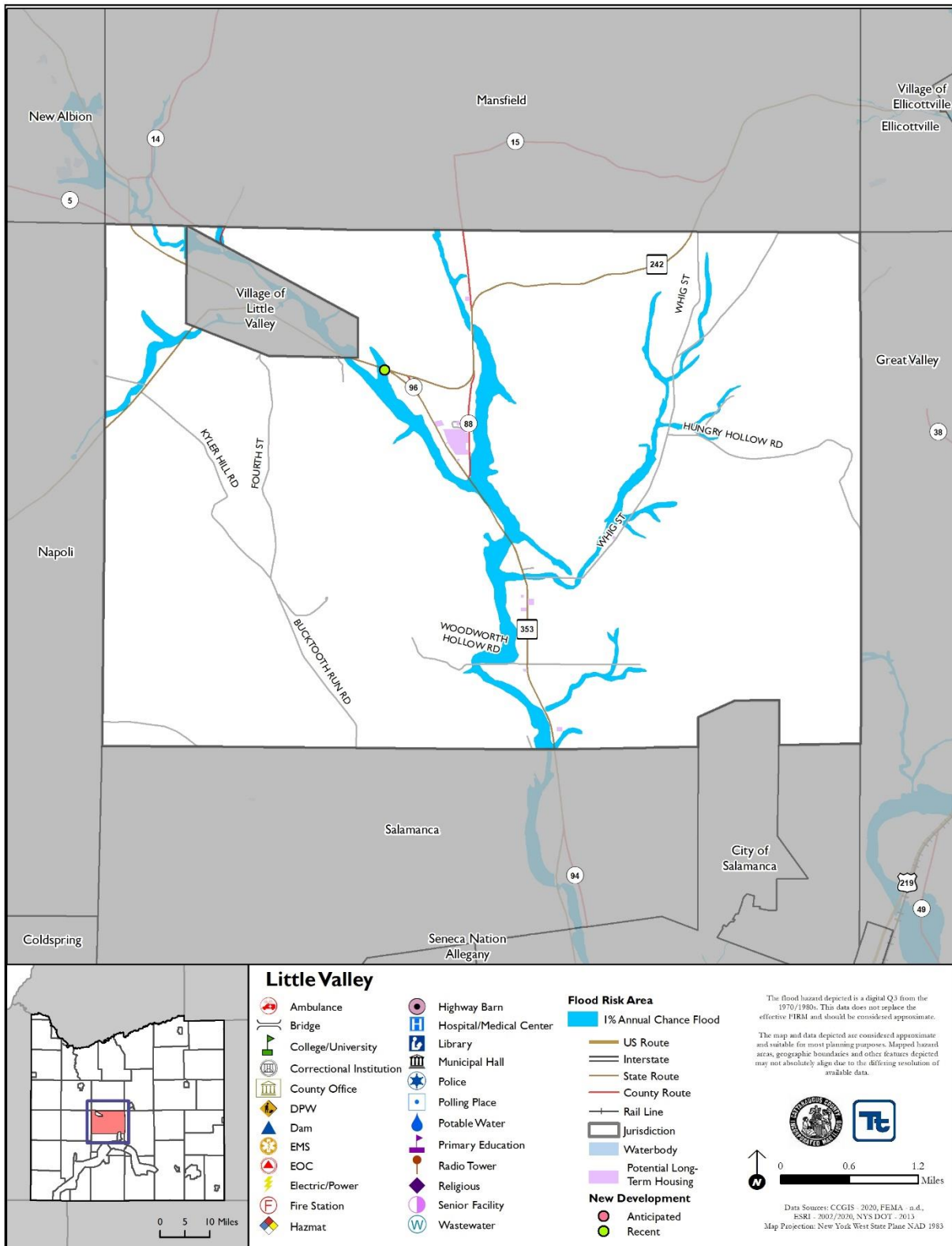
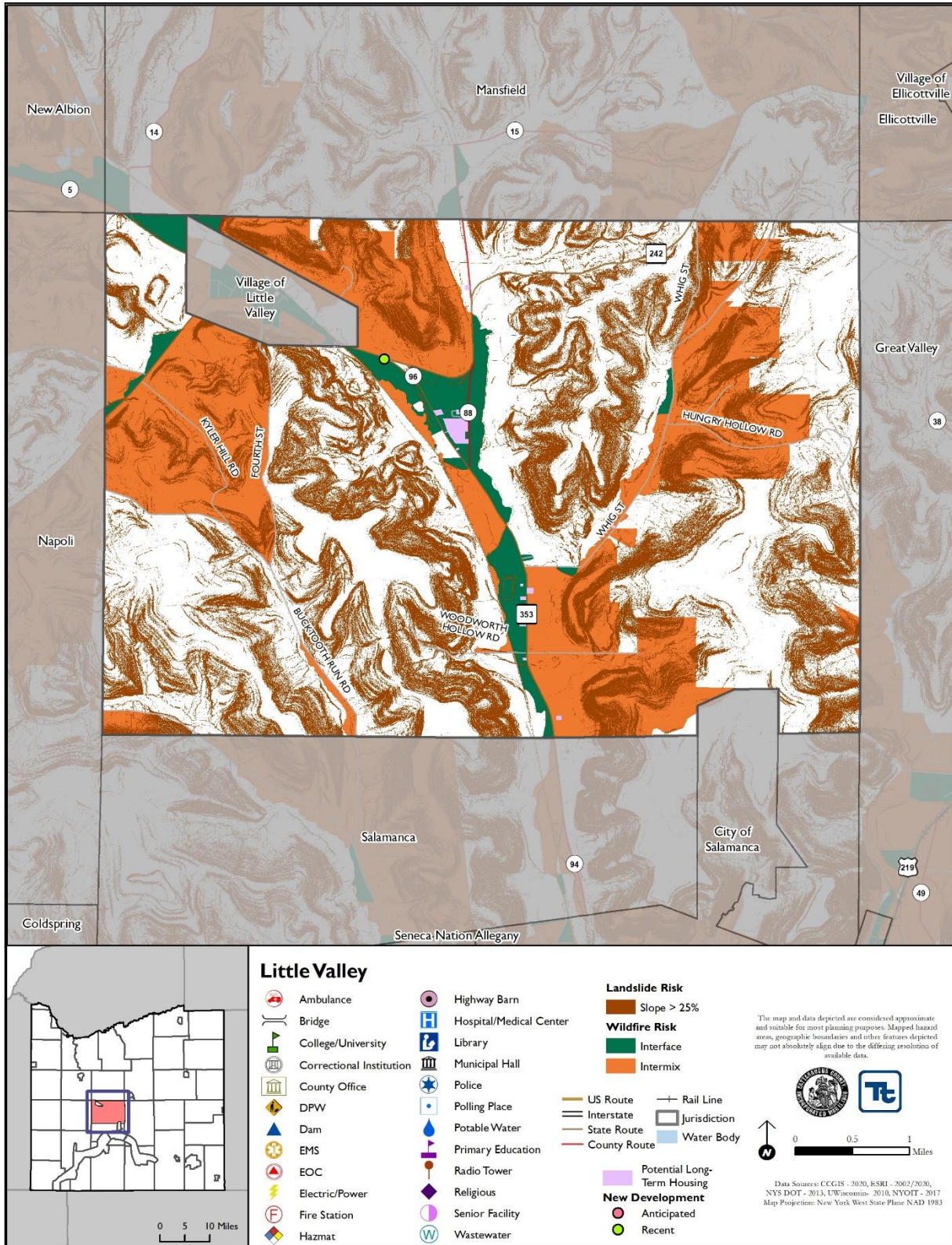




Figure 9.24-2. Town of Little Valley Hazard Area Extent and Location Map 2





Action Worksheet			
<b>Project Name:</b>	Relocate Town Hall, Highway Barn, Court		
<b>Project Number:</b>	2020-Town of Little Valley-005		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	Flood, Severe Storm		
<b>Description of the Problem:</b>	<p>The following critical facilities are municipally owned and have repeatedly been damaged by storms and flooding:</p> <ul style="list-style-type: none"> <li>• Town Hall</li> <li>• Highway Barn</li> <li>• Court</li> </ul> <p>The facilities are currently housed in the same structure which is not located in the special flood hazard area but has still experienced flooding.</p>		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	The town will relocate the facilities to a location outside of the reach of flooding. If the facilities need to be separated and reconstructed as three distinct buildings, this course of action will be taken. Once the most cost-effective option is identified, the town will carry out the option.		
<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 Town Hall, Highway Barn, Court
<b>Useful Life:</b>	50 years	<b>Goals Met:</b>	1
<b>Estimated Cost:</b>	TBD by facility/facilities design	<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 and BRIC, USDA Community Facilities Grant Program, EMPG, town budget
<b>Responsible Organization:</b>	Engineer	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation, Emergency Management
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Problem continues.
	Elevate facility	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>	Relocate Town Hall, Highway Barn, Court	
<b>Project Number:</b>	2020-Town of Little Valley-005	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Project will protect critical services of Town Hall, Highway Barn, Court
Property Protection	1	Project will protect Town Hall, Highway Barn, Court from flood damage.
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	The town has the legal authority to complete the project.
Fiscal	0	Project requires funding support.
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	1	Flood, Severe Storm
Timeline	0	Within 5 years
Agency Champion	1	Engineer
Other Community Objectives	1	Protection of critical services
<b>Total</b>	12	
<b>Priority (High/Med/Low)</b>	High	





Action Worksheet			
<b>Project Name:</b>	Storm Sewer Upgrades		
<b>Project Number:</b>	2020-Town of Little Valley-006		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	Flood, Severe Storm		
<b>Description of the Problem:</b>	<p>The town has multiple areas that are repetitively impacted by stormwater flooding. Roadways and areas that experience flooding include:</p> <ul style="list-style-type: none"> <li>• Third Street</li> <li>• Fourth Street</li> <li>• Bucktooth Run (West and East Branch)</li> <li>• Whig Street</li> <li>• Liebler Road</li> <li>• Kyler Hill Road</li> <li>• Dutch Hill Road</li> <li>• Hungry Hollow Road</li> <li>• Mutton Hollow Road</li> </ul>		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	The Engineer will design stormwater improvements for the identified roadways and areas. The Highway Department will carry out construction of the identified stormwater improvements.		
<b>Is this project related to a Critical Facility?</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"/>	
(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>	At least a 5-year event; will be determined once project is complete	<b>Estimated Benefits (losses avoided):</b>	Reduction in stormwater flood risk
<b>Useful Life:</b>	30 years	<b>Goals Met:</b>	1
<b>Estimated Cost:</b>	High	<b>Mitigation Action Type:</b>	Structure and Infrastructure Project
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>	HMGP, BRIC, CHIPS, town budget
<b>Responsible Organization:</b>	Engineer, Highway Department	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation
Three Alternatives Considered (including No Action)			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Current problem continues
	Remove roads	\$20,000 per roadway	Roadways cannot be removed
	Relocate roads to another location	\$50,000 per roadway	Roadways will still need to cross stream, costly
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>	Storm Sewer Upgrades	
<b>Project Number:</b>	2020-Town of Little Valley-006	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	
Property Protection	1	Project will protect roadways from stormwater flooding
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	The town has the legal authority to complete the project.
Fiscal	0	Project requires funding support.
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	1	Severe Storm, Flood
Timeline	0	Within 5 years
Agency Champion	1	Public Works
Other Community Objectives	1	
<b>Total</b>	11	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	Backup Power		
<b>Project Number:</b>	2020-Town of Little Valley-007		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	Utility Failure		
<b>Description of the Problem:</b>	Backup power sources are necessary to maintain critical services for critical facilities. The Town Hall and Town Garage require permanent backup power. These facilities are currently serviced by a manual generator.		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	The Town Engineer will research what size generator is necessary to supply backup power to the Town Hall and Town Garage. The town will then install a backup power generator and necessary electrical components at each facility. If the facilities are not relocated to a location away from flooding, the generators will also be installed above the 500-year flood level on an elevated platform.		
<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 Town Hall and Town Garage
<b>Useful Life:</b>	20 years	<b>Goals Met:</b>	1
<b>Estimated Cost:</b>	\$50,000 per generator	<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 and BRIC, USDA Community Facilities Grant Program, EMPG, Municipal Budget
<b>Responsible Organization:</b>	Engineer, OEM, Highway Department	<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.
	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
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>	Backup Power	
<b>Project Number:</b>	2020-Town of Little Valley-007	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
<b>Life Safety</b>	1	Project will protect critical services of Town Hall and Town Garage
<b>Property Protection</b>	1	Project will protect Town Hall and Town Garage from power loss.
<b>Cost-Effectiveness</b>	1	
<b>Technical</b>	1	
<b>Political</b>	1	
<b>Legal</b>	1	The town has the legal authority to complete the project.
<b>Fiscal</b>	0	Project requires funding support.
<b>Environmental</b>	1	
<b>Social</b>	1	
<b>Administrative</b>	1	
<b>Multi-Hazard</b>	0	Utility Failure
<b>Timeline</b>	1	1 year
<b>Agency Champion</b>	1	Engineer, OEM, Highway Department
<b>Other Community Objectives</b>	1	
<b>Total</b>	12	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	Mutton Hollow Road and Whig Street Culvert Upgrades		
<b>Project Number:</b>	2020-Town of Little Valley-008		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	Flood, Severe Storm		
<b>Description of the Problem:</b>	The culverts on Mutton Hollow Road and Whig Street are undersized, leading to damages and increased flood risk.		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	The town will replace and upsize the repetitively damaged/undersized culverts on Mutton Hollow Road and Whig Street.		
<b>Is this project related to a Critical Facility?</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"/>	
(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>	At least a 5-year event; will be determined once project is complete	<b>Estimated Benefits (losses avoided):</b>	Reduction in culvert damages and flood risk
<b>Useful Life:</b>	30 years	<b>Goals Met:</b>	1
<b>Estimated Cost:</b>	\$5,000 per culvert	<b>Mitigation Action Type:</b>	Structure and Infrastructure Project
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>	HMGP, BRIC, CHIPS, town budget
<b>Responsible Organization:</b>	Highway Department	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation
Three Alternatives Considered (including No Action)			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Current problem continues
	Remove road	\$20,000	Roadway cannot be removed
	Relocate road to another location	\$50,000	Roadway will still need to cross stream, costly
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>	Mutton Hollow Road and Whig Street Culvert Upgrades	
<b>Project Number:</b>	2020-Town of Little Valley-008	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	
Property Protection	1	Project will protect roadway from flooding, culvert damages
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	The town has the legal authority to complete the project.
Fiscal	0	Project requires funding support.
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	1	Severe Storm, Flood
Timeline	0	Within 5 years
Agency Champion	1	Highway Department
Other Community Objectives	1	
<b>Total</b>	11	
<b>Priority (High/Med/Low)</b>	High	