



## 9.20 TOWN OF NUNDA

This section presents the jurisdictional annex for the Town of Nunda. 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 Town of Nunda and who in the Town participated in the planning process; an assessment of the Town of Nunda’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.

### 9.20.1 Hazard Mitigation Planning Team

The following individuals have been identified as the Town of Nunda’s hazard mitigation plan primary and alternate points of contact. The Town of Nunda 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 the Supervisor, Highway, and Code Enforcement. The Supervisor represented the community on the Livingston 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.

The following table summarizes municipal officials that participated in the development of the annex and in what capacity. Additional documentation on the Town of Nunda’s planning process through Planning Partnership meetings is included in Section 3 (Planning Process) and Appendix C (Meeting Documentation).

**Table 9.20-1. Hazard Mitigation Planning Team**

Primary Point of Contact	Alternate Point of Contact
Name/Title: Merilee G. Walker, Town Supervisor Address: 4 Massachusetts St., Nunda, NY 14517 Phone Number: 585-734-4572 Email: supervisor@town.nunda.ny.us	Name/Title: Rick Moran, Highway Superintendent Address: 4 Massachusetts St., Nunda, NY 14517 Phone Number: 585-314-7828 Email: nundahwy@frontiernet.net
NFIP Floodplain Administrator	
Name/Title: Mark Mullikin, Code Enforcement Officer Address: 4 Massachusetts St., Nunda, NY 14517 Phone Number: 585-519-3321 Email: nundavillagecodeenforcement@yahoo.com	
Additional Contributors	
None	

### 9.20.2 Municipal Profile

According to the U.S. Census Bureau, the Town has a total land area of 37.1 square miles, of which all is land except for 0.04 square miles of water. The Town of Nunda shares a border with the Towns of Grove, Mount Morris, Ossian, Portage, West Sparta, and Allegany County. The Town of Nunda is located in the southwestern area of Livingston County.

According to the U.S. Census, the 2019 population for the Town of Nunda was 1,519, a 9.96 percent decrease from the 2010 Census. Data from the 2019 U.S. Census American Community Survey indicate that 4.7 percent





of the population is 5 years of age or younger and 16.4 percent is 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.

### 9.20.3 Jurisdictional Capability Assessment and Integration

The Town of Nunda performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Section 5 (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 planning, legal and regulatory capabilities.
- Development and permitting capabilities.
- An assessment of administrative and technical capabilities
- An assessment of fiscal capabilities.
- An assessment of education and outreach capabilities.
- Classification under various community mitigation programs.
- The community’s adaptive capacity to withstand hazard events.

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 and how risk reduction is supported. Areas with current mitigation integration are summarized in this jurisdictional Capability Assessment (Section 9.20.3). The Town of Nunda’s identified opportunities for integration of mitigation concepts to be incorporated into municipal procedures are included in the updated mitigation strategy.

#### Planning, Legal, and Regulatory Capability

The table below summarizes the regulatory tools that are available to the Town of Nunda. Section 5 (Capability Assessment) provides an overview of the planning, legal and regulatory capabilities. The following table summarizes what is present in the jurisdiction and discusses if the mechanisms have been or could be leveraged to reduce risk.

**Table 9.20-2. Planning, Legal, and Regulatory Capability**

	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<b>Codes, Ordinances, &amp; Regulations</b>					
<b>Building Code</b>	Yes	Yes	2005/updated 2016	State and Local	Planning
<i>How does this reduce risk?</i>					
<b>Zoning/Land Use Code</b>	Yes	No	Local Law 3 of 2016	Local	Planning
<i>How does this reduce risk?</i>					
Having Building and Zoning Laws, limitations can be addressed as to placement of structures within floodplain areas.					
<b>Subdivision Ordinance</b>	Yes	No	Local Law 3 of 2016	Local	Planning
<i>How does this reduce risk?</i>					
<b>Site Plan Ordinance</b>	Yes	No	Local Law 3 of 2016	Local and County	Planning
<i>How does this reduce risk?</i>					
Planning and Zoning Boards can place limitations on proposed development.					
<b>Stormwater Management Ordinance</b>	Yes	Yes	Not available	Local	
<i>How does this reduce risk?</i>					



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<b>Post-Disaster Recovery/ Reconstruction Ordinance</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Real Estate Disclosure</b>	Yes	Yes	Property Condition Disclosure Act, NY Code - Article 14 §460-467	State	NYS Department of State, Real Estate Agent
<i>How does this reduce risk?</i> In addition to facing potential liability for failing to disclose under the exceptions to “caveat emptor,” a home seller must make certain disclosures under the law or pay a credit of \$500 to the buyer at closing. While the PCDA requires a seller to complete a standardized disclosure statement and deliver it to the buyer before the buyer signs the final purchase contract, in practice, most home sellers in New York opt not to complete the statement and instead pay the credit.					
<b>Growth Management</b>	No	No		Local	
<i>How does this reduce risk?</i>					
<b>Environmental Protection Ordinance</b>	Yes	Yes	Not available	State	State
<i>How does this reduce risk?</i> Prevention of buildings in a floodplain.					
<b>Flood Damage Prevention Ordinance</b>	Yes	Yes - BFE+2 feet for all construction in the SFHA (residential and non-residential)	Local Law 2 of 1987	Federal, State, County and Local	Code Enforcement Officer
<i>How does this reduce risk?</i>					
<b>Wellhead Protection</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Emergency Management Ordinance</b>	No	Yes		County	
<i>How does this reduce risk?</i>					
<b>Climate Change Ordinance</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Other</b>		-			
<b>Planning Documents</b>					
<b>Master Plan</b>	Yes	No	Master Plan	Local	Planning
<i>How does this reduce risk?</i>					
<b>Capital Improvement Plan</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Disaster Debris Management Plan</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Floodplain Management or Watershed Plan</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Stormwater Management Plan</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Open Space Plan</b>	Yes	Yes	Open Space Plan	Local	Planning
<i>How does this reduce risk?</i>					
<b>Urban Water Management Plan</b>	No	No			
<i>How does this reduce risk?</i>					



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<b>Habitat Conservation Plan</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Economic Development Plan</b>	No	No		Liv. Co.	
<i>How does this reduce risk?</i>					
<b>Shoreline Management Plan</b>	No	Yes, in jurisdictions with CEHA areas	Article 34, Environmental Conservation Law, Coastal Erosion Hazard Areas	Yes, in jurisdictions with CEHA areas	
<i>How does this reduce risk?</i>					
<b>Community Wildfire Protection Plan</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Community Forest Management Plan</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Transportation Plan</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Agriculture Plan</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Climate Action/ Resiliency/Sustainability Plan</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Tourism Plan</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Business/ Downtown Development Plan</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Other</b>					
<b>Response/Recovery Planning</b>					
<b>Emergency Operations Plan</b>	Yes	Yes	2015	Local	Town Board
<i>How does this reduce risk?</i>					
<b>Strategic Recovery Planning Report</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Threat &amp; Hazard Identification &amp; Risk Assessment (THIRA)</b>	Yes	Yes	2005	Local	Town Board
<i>How does this reduce risk?</i>					
<b>Post-Disaster Recovery Plan</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Continuity of Operations Plan</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Public Health Plan</b>	No	No			
<i>How does this reduce risk?</i>					
<b>Other</b>		-			



### Development and Permitting Capability

The table below summarizes the capabilities of the Town of Nunda to oversee and track development.

**Table 9.20-3. Development and Permitting Capability**

Indicate if your jurisdiction implements the following	Yes/No	Comment
Do you issue development permits? <ul style="list-style-type: none"> <li>If yes, what department is responsible?</li> <li>If no, what is your process for development?</li> </ul>	N	Use existing Zoning Law
Are permits tracked by hazard area? (For example, floodplain development permits.)	Y	As prescribed by the laws
Do you have a buildable land inventory? <ul style="list-style-type: none"> <li>If yes, describe.</li> <li>If no, quantitatively describe the level of buildout in the jurisdiction.</li> </ul>	N	Each permit is scrutinized when submitted by the landowner.

### Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Town of Nunda and their current responsibilities which contribute to hazard mitigation.

**Table 9.20-4. Administrative and Technical Capabilities**

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
<b>Administrative Capability</b>		
Planning Board	Yes	Joint with the Village of Nunda
Zoning Board of Adjustments	Yes	Joint with the Village of Nunda
Planning Department	No	
Mitigation Planning Committee	Yes	Supervisor, Code Enforcement
Environmental Board/Commission	No	
Open Space Board/Committee	No	
Economic Development Commission/Committee	No	
Public Works/Highway Department	Yes	-
Construction/Building/Code Enforcement Department	Yes	-
Emergency Management/Public Safety Department	No	Utilize Livingston County Resources
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	No	
Mutual aid agreements	Yes	-
Human Resources Manual	No	
Other		
<b>Technical/Staffing Capability</b>		
Planners or engineers with knowledge of land development and land management practices	Yes	Only on an as-needed basis
Engineers or professionals trained in building or infrastructure construction practices	Yes	On an as-needed basis
Planners or engineers with an understanding of natural hazards	No	



Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
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	
Surveyor(s)	Yes	Only as needed basis
Emergency Manager	No	
Grant writer(s)	No	
Resilience Officer	No	
Other (this could include stormwater engineer, environmental specialist, etc.)	No	

### Fiscal Capability

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

**Table 9.20-5. Fiscal Capabilities**

Financial Resources	Are these accessible or eligible to use for mitigation? (Yes/No) If yes, please describe. If no, can this be used to support in the future?
Community development Block Grants (CDBG, CDBG-DR)	Grant writer for Livingston County
Capital improvements project funding	Financial Consultant when needed
Authority to levy taxes for specific purposes	Confer with our accountant
User fees for water, sewer, gas or electric service	Confer with the Village of Nunda
Impact fees for homebuyers or developers of new development/homes	No
Stormwater utility fee	No
Incur debt through general obligation bonds	Only with financial consultant input
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	Sought as needed or when available
Open Space Acquisition funding programs	No
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	No

### Education and Outreach Capability

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



**Table 9.20-6. Education and Outreach Capabilities**

Outreach Resources	Available? (Yes/No)	Does the jurisdiction have any public outreach mechanisms / programs in place to inform citizens on natural hazards, risk, and ways to protect themselves during such events? If yes, please describe.
Public information officer or communications office	No	
Personnel skilled or trained in website development	Yes	Presently have a webmaster on staff
Is hazard mitigation information available on your website?	No	
Social media for hazard mitigation education and outreach	No	
Citizen boards or commissions that address issues related to hazard mitigation	No	
Other programs already in place that could be used to communicate hazard-related information	No	
Warning Systems / Services (mass notification system, outdoor warning signals)	Yes	Nunda Fire Department has a siren within the Village limits. Facebook and Social Media
Natural disaster/safety programs in place for schools	No	
Other	No	

### Community Classifications

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

**Table 9.20-7. 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)	Yes	Unknown	Unknown
NYSDEC Climate Smart Community	No		
StormReady 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 capabilities to adjust to, protect from, or withstand a future hazard event, future conditions, and changing risk. The table below summarizes the adaptive capacity for each hazard of concern and the jurisdiction’s rating.



**Table 9.20-8. Adaptive Capacity**

Hazard	Adaptive Capacity - Strong/Moderate/Weak*
Drought	Moderate
Earthquake	Moderate
Flood	Moderate
Hazardous Materials	Moderate
Invasive Species	Moderate
Landslide	Moderate
Mine Subsidence	Moderate
Pandemic	Moderate
Severe Storm	Strong
Severe Winter Storm	Strong
Terrorism	Moderate
Utility Failure	Moderate
Wildfire	Moderate

*\*Strong Capacity exists and is in use*

*Moderate Capacity may exist; but is not used or could use some improvement*

*Weak Capacity does not exist or could use substantial improvement*

### 9.20.4 National Flood Insurance Program (NFIP) Compliance

This section provides specific information on the management and regulation of the regulatory floodplain, including current and future compliance with the NFIP.

**Table 9.20-9. NFIP Summary**

Town of Nunda	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties	# SRL Properties	# Policies in the 1% Flood Boundary
Town of Nunda	6	4	\$60,409.52	N/A	N/A	7
NFIP Topic			Comments			
<b>Flood Vulnerability Summary</b>						
Describe areas prone to flooding in your jurisdiction. <ul style="list-style-type: none"> <li>Do you maintain a list of properties that have been damaged by flooding?</li> </ul>			We utilize the Flood Maps as a guideline.			
Do you maintain a list of property owners interested in flood mitigation? <ul style="list-style-type: none"> <li>How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)?</li> </ul>			No			
Are any RiskMAP projects currently underway in your jurisdiction? <ul style="list-style-type: none"> <li>If so, state what projects are underway.</li> </ul>			No			
How do you make Substantial Damage determinations? <ul style="list-style-type: none"> <li>How many were declared for recent flood events in your jurisdiction?</li> </ul>			No			
How many properties have been mitigated (elevation or acquisition) in your jurisdiction? <ul style="list-style-type: none"> <li>If there are mitigation properties, how were the projects funded?</li> </ul>			3			



Town of Nunda	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties	# SRL Properties	# Policies in the 1% Flood Boundary
Town of Nunda	6	4	\$60,409.52	N/A	N/A	7
NFIP Topic			Comments			
Do your flood hazard maps adequately address the flood risk within your jurisdiction? <ul style="list-style-type: none"> <li>If not, state why.</li> </ul>			No. We feel that they are outdated.			
NFIP Compliance						
What local department is responsible for floodplain management?			Code Enforcement Officer			
Are any certified floodplain managers on staff in your jurisdiction?			N			
Do you have access to resources to determine possible future flooding conditions from climate change?			Y			
Does your floodplain management staff need any assistance or training to support its floodplain management program? <ul style="list-style-type: none"> <li>If so, what type of assistance/training is needed?</li> </ul>			Y General guidance, seminars or workshops, and updates			
Provide an explanation of NFIP administration services you provide (e.g. permit review, GIS, education/outreach, inspections, engineering capability)			Permit review and inspections			
How do you determine if proposed development on an existing structure would qualify as a substantial improvement?			NYSDC recommendations, flood plain regulations			
What are the barriers to running an effective NFIP program in the community, if any?			Time, staff, and money			
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? <ul style="list-style-type: none"> <li>If so, state the violations.</li> </ul>			No			
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?			Unknown			
What is the local law number or municipal code of your flood damage prevention ordinance? What is the date that your flood damage prevention ordinance was last amended?			2—1987 With no recorded updates			
Does your floodplain management program meet or exceed minimum requirements? <ul style="list-style-type: none"> <li>If exceeds, in what ways?</li> </ul>			Meets			
Are there other local ordinances, plans or programs (e.g. site plan review) that support floodplain management and meeting the NFIP requirements? For instance, does the planning board or zoning board consider efforts to reduce flood risk when reviewing variances such as height restrictions?			Yes			
Does your jurisdiction participate in CRS? <ul style="list-style-type: none"> <li>If yes, is your jurisdiction interested in improving its CRS Classification?</li> <li>If no, is your jurisdiction interested in joining the CRS program?</li> </ul>			Yes, improvements would help with insurance rates.			

Notes:

RL Repetitive Loss; SRL Severe Repetitive Loss





### 9.20.5 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

Due to the size of the Township, these routes can only be determined based on the location of the disaster. The Nunda Fire Department would aid in the evacuation, as well as the Nunda Police Department.

#### Sheltering

Site Name	Address	Capacity	Accommodates Pets?	ADA Compliant?	Backup Power?	Types of Medical Services Provided	Other Services Provided
Keshequa Central School	Mill Street, Nunda, NY	Unknown	Unknown	yes	yes	Nunda Ambulance Service	Meals
Town Highway Bldg	1955 Hay Road	20--25	Unknown	Yes	Yes	Nunda Ambulance	-

#### Temporary Housing

The Town identified the following location as a potential site for temporary housing after an emergency.

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
Creek Rd. Mobile Park	Creek Road	Water/septic	20-25	Mobile Homes	None

#### Permanent Housing

While the Town of Nunda did not identify potential locations for permanent housing, as part of the planning process, a countywide buildable land analysis was conducted and presented in Section 4 (County Profile). The Town can utilize this analysis to identify potential locations.

### 9.20.6 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 9.20-10 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development. New and proposed development in the Town are not expected to impact vulnerability.



**Table 9.20-10. Recent and Expected Future Development**

Type of Development	2015		2016		2017		2018		2019		2020		2021	
<b>Number of Building Permits for New Construction Issued Since the Previous HMP* (within regulatory floodplain/ Outside regulatory floodplain)</b>														
	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA
Single Family	2	0	3	0	2	0	3	0	1	0	3	0	3	0
Multi-Family	0	0	0	0	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	0	0	1	0
<b>Total Permits Issued</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>4</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 2015 to Present</b>														
Town of Nunda Highway	Comm.	1		1955 Hay Road		None		Under construction 2021, completion expected October 2021						
<b>Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years</b>														
None at this time.														

SFHA Special Flood Hazard Area (1% flood event)

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

### 9.20.7 Jurisdictional Risk Assessment

The hazard profiles in Section 5 (Risk Assessment) provide detailed information regarding each plan participant’s vulnerability to the identified hazards. Refer to Section 5.2 (Methodology and Tools) and Section 5.4 (Hazard Ranking) for a detailed summary for the Town of Nunda’s risk assessment results and data used to determine the hazard ranking discussed later in this section.

Hazard area extent and location maps were generated to illustrate the probable areas impacted within the jurisdiction. These maps are based on the best available data at the time of the preparation of this plan and are adequate for planning purposes. Maps have been generated only for those hazards that can be clearly identified using mapping techniques and technologies and for which the Town of Nunda has significant exposure. The maps also show the location of potential new development, where available. These maps are illustrated below.



Figure 9.20-1. Town of Nunda Flood and Mine Subsidence Hazard Areas

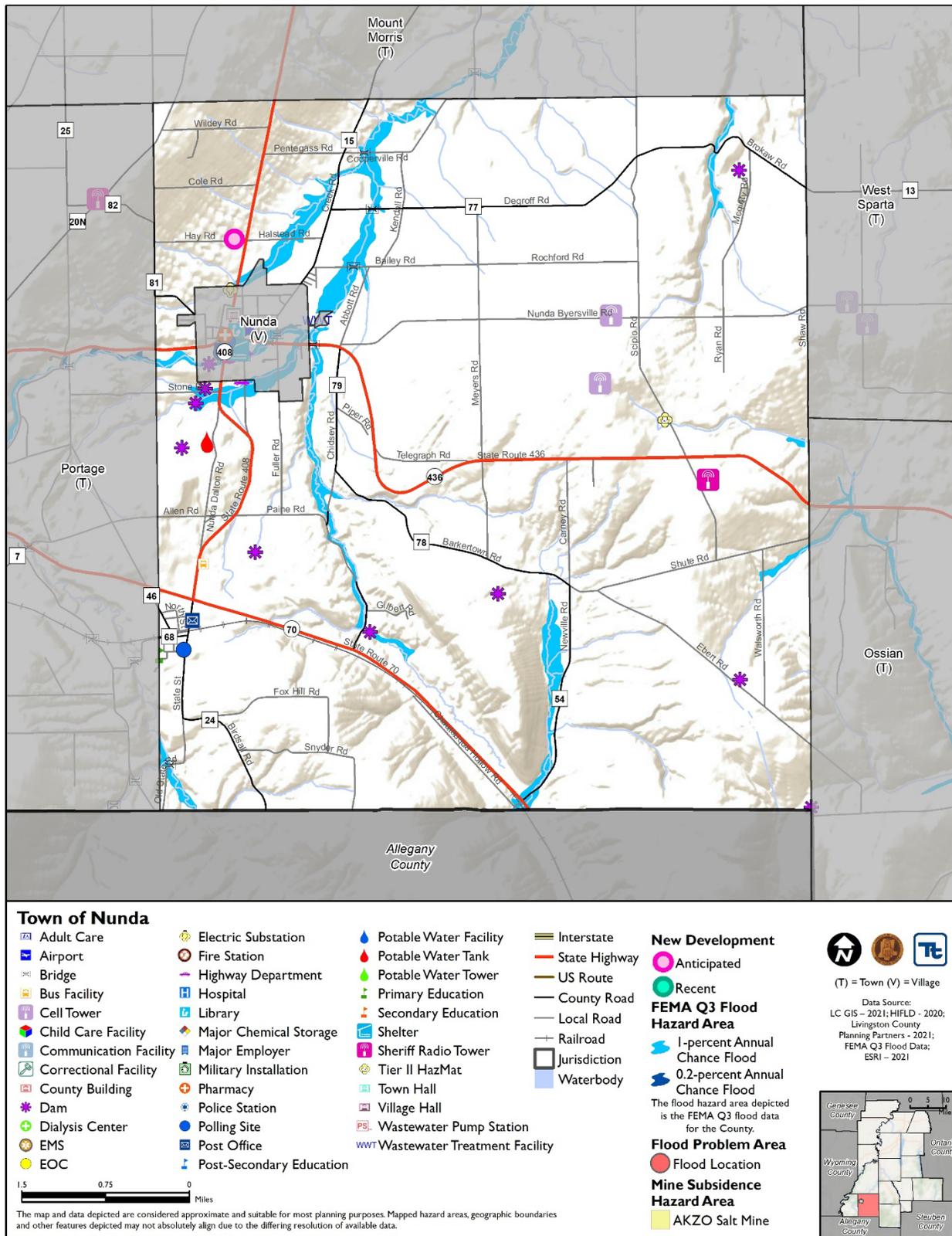




Figure 9.20-2. Town of Nunda Hazmat and Wildfire Hazard Areas

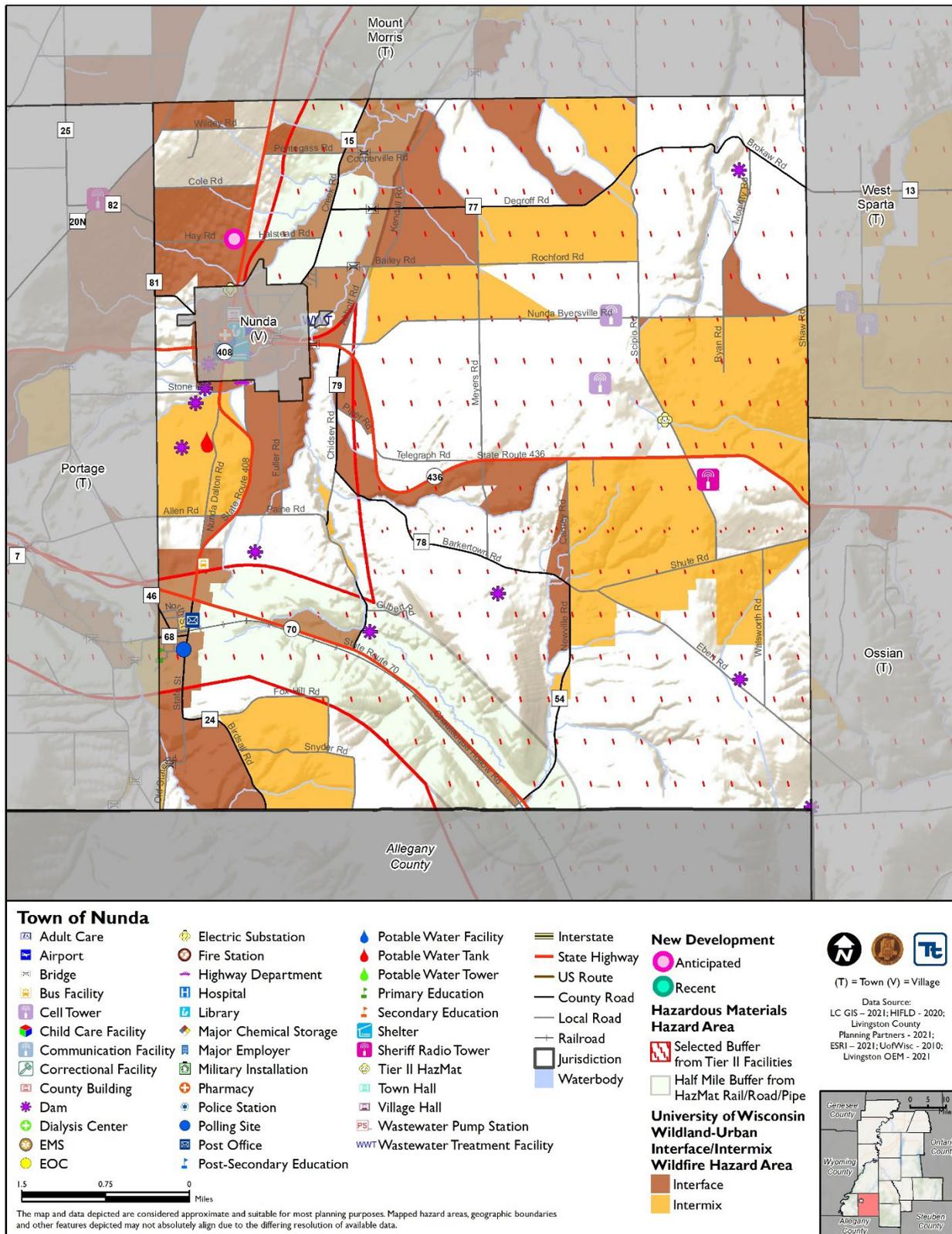
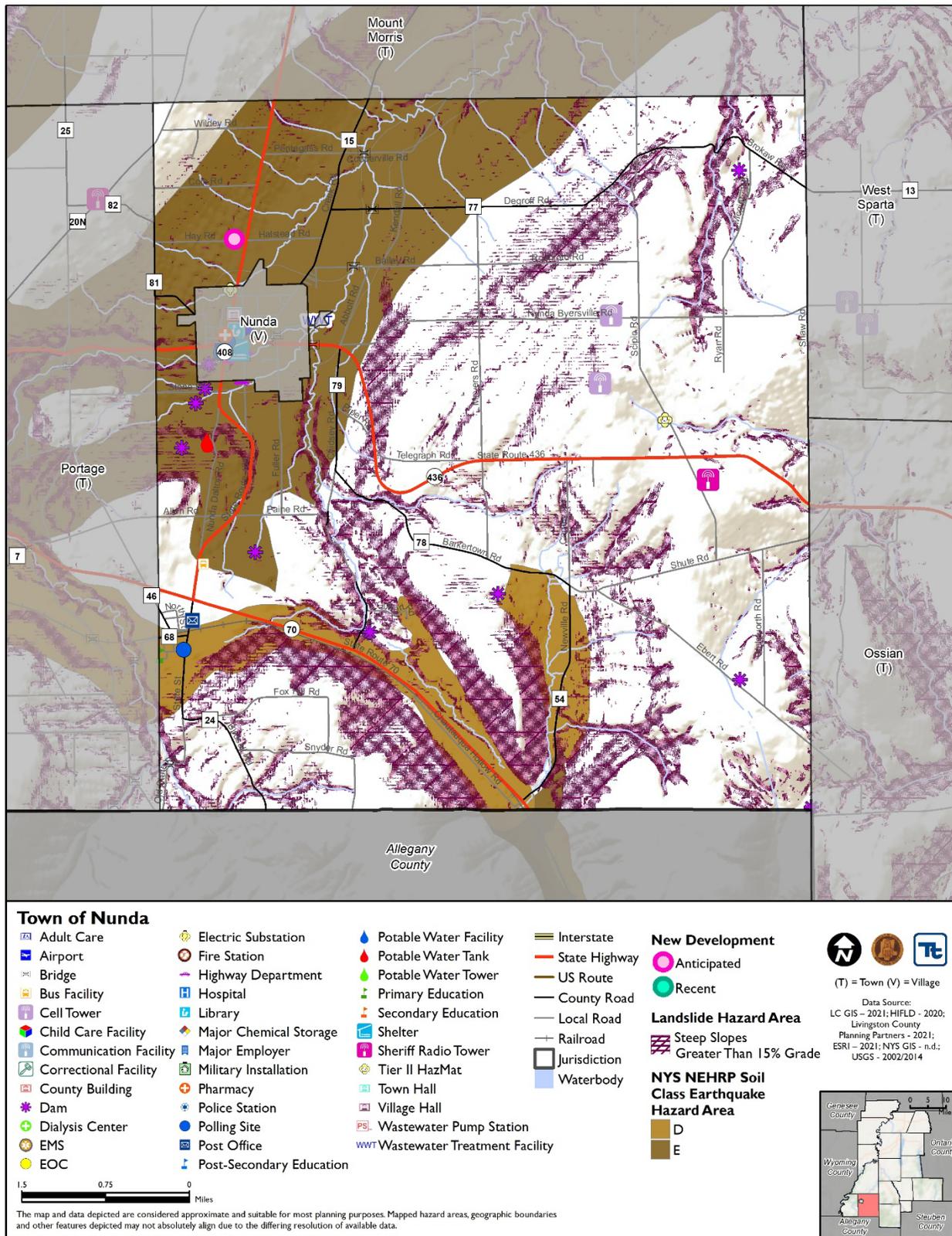




Figure 9.20-3. Town of Nunda Earthquake and Landslide Hazard Areas





### Hazard Event History

Livingston 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 Nunda’s history of federally-declared (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Livingston County. Table 9.20-11 provides details regarding municipal-specific loss and damages the Town experienced during hazard events since the last hazard mitigation plan update. 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 9.20-11. Hazard Event History

Dates of Event	Event Type (Disaster Declaration if applicable)	Emergency Declaration?	Municipal Summary of Damages and Losses
2020 & 2021	COVID 19 Pandemic	DR 3434 and 4480	Negative social, health, and economic impacts such as population loss, resident infections, resident deaths, mandatory business closures, school closings, decreases in the local labor market, and household supply shortages
11/15/2020	High Wind	-	-
8/27/2020	Flash Flood	-	Washouts of some roadways and culverts. Estimate \$3500 in damages to the Town as clean-up and gravel replacement
1/12/2020	Flood	-	-
11/1/2019	Flood	-	-
10/15/2019	Flood	-	-
10/27/2019	Flood	-	-
9/21/2018	Lightning	-	-
4/4/2018	Blizzard	-	-
7/20/2017	Tornado	-	-
3/8/2017	High Wind	-	-
9/9/2015	Thunderstorm Wind	-	-

Notes:

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

### Hazard Ranking and 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 Nunda’s risk assessment results and data used to determine the hazard ranking.

### 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 Livingston County as a whole. Therefore, each Town of Nunda 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 Nunda. The Town of Nunda 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 did not change the calculated rankings.

Table 9.20-12. Hazard Ranking Input

<b>Drought</b>	<b>Earthquake</b>	<b>Flood</b>	<b>Hazardous Materials</b>	<b>Invasive Species</b>	<b>Landslide</b>	<b>Mine Subsidence</b>
Low	High	Low	High	Medium	Low	Low
<b>Pandemic</b>	<b>Severe Storm</b>	<b>Severe Winter Storm</b>	<b>Wildfire</b>	<b>Terrorism</b>	<b>Utility Failure</b>	
Medium	High	Medium	High	Low	Medium	

Note: The scale is based on the hazard rankings established in Section 5.3 and modified as appropriate during review by the jurisdiction

### Critical Facilities

The table below identifies critical facilities in the community located in the 1-percent and 0.2-percent floodplain.

Table 9.20-13. Potential Flood Losses to Critical Facilities

Name	Type	Exposure		Complies with NYS Standards	Addressed by Proposed Action
		1% Event	0.2% Event		
Nunda Water Supply Dam	Dam	X	X	No	2022-Town of Nunda-003

Source: Livingston County Planning Partners 2021; HIFLD 2020

### Identified Issues

After review of the Town of Nunda’s hazard event history, hazard rankings, jurisdiction specific vulnerabilities, hazard area extent and location, and current capabilities, the Town of Nunda has identified the following vulnerabilities within their community:

- The Nunda Water Supply Dam is within the special flood hazard area and vulnerable to flooding.
- Flood insurance rate maps are outdated.
- The Flood Damage Prevention Ordinance is dated and does not address State mandates regarding freeboard.

### 9.20.8 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 2015 HMP. 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 9.20-14. Status of Previous Mitigation Actions

Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
TN-1	Provide backup power generators for Town Highway Department/	All	None provided in the 2015 HMP	Town Highway Department	In Progress	1. 2. 3.	1 Discontinue 2. 3. Generator on order thru manufacturer.
TN-2	Secure hazardous materials on farms (identified as an initiative in the 2007 HMP).	All	None provided in the 2015 HMP	SWCD	Ongoing	1. 2. 3.	1. Discontinue 2. 3. Ongoing capability
TN-3	Create a coordinated ditch stabilization program for the southern part of the County, specifically in Towns of Mount Morris, Groveland, Conesus, Springwater, Sparta, West Sparta, North Dansville, Ossian, Nunda, and Portage; and the Villages of Dansville, Nunda, and Mount Morris (identified as an initiative in the 2007 HMP).	Flood	None provided in the 2015 HMP	County and municipal highway departments	Ongoing	1. 2. 3.	1. Discontinue 2. 3. Ongoing capability
TN-4	Develop materials and conduct education and outreach working with farmers to implement BMPs to address stormwater runoff from fields.	Flood, Severe Storm	None provided in the 2015 HMP	County Planning Department	In Progress	1. 2. 3.	1. Include in the 2022 HMP. 2. 3.
TN-5	Conduct a hydrilla management analysis to determine whether chemical treatments or the introduction of grass carp would be a more effective control measure.	Invasive Species	None provided in the 2015 HMP	County Planning Department	No Progress	1. 2. 3.	1. Discontinue 2. 3. The Village of Nunda owns the local reservoir
TN-6	Implement hydrilla control measures to prevent the further spread of the invasive species and to eventually reduce its impact on the County's water systems.	Invasive Species	None provided in the 2015 HMP	County Planning Department	Ongoing	1. 2. 3.	1. Discontinue 2. 3. The Village of Nunda owns the local reservoir
TN-7	Support the mitigation of vulnerable structures via retrofit (e.g. elevation, flood-proofing) or acquisition/relocation to protect them from future damage. Repetitive loss and severe repetitive loss properties should be a priority, when applicable.	Flood, Severe Storm, Wildfire, Winter Storm	None provided in the 2015 HMP	Engineering Department	Ongoing	1. 2. 3.	1. Discontinue 2. 3. Following our Flood Maps, and we have had no repetitive losses.
TN-8	Assess and prioritize feasible non-structural flood hazard mitigation alternatives for at-risk properties within the floodplain (including those that have been identified as repetitive loss) such as	Flood, Severe Storm, Wildfire, Winter Storm	None provided in the 2015 HMP	Engineering Department	No Progress	1. 2. 3.	1. Discontinue 2. 3. No at-risk properties at this time.



Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
	acquisition/relocation, or elevation. The parameters for feasibility for this initiative would include the following: funding, benefits versus costs, and willing participation of property owners. Implement as funding becomes available.						
TN-9	Develop and implement an enhanced all-hazards, public outreach/education/mitigation information program on natural hazard risks and what they can do in the way of mitigation and preparedness, including flood insurance.	All Hazards	None provided in the 2015 HMP	Town Supervisor's Office	No Progress	1. 2. 3.	1. Discontinue 2. 3. Not a Town priority
TN-10	Maintain compliance with and good-standing in the NFIP including adoption and enforcement of floodplain management requirements (e.g. regulating all new and substantially improved construction in special-hazard flood areas), floodplain identification and mapping, and flood insurance outreach to the community. Further meet and/or exceed the minimum NFIP standards and criteria through the following NFIP-related continued compliance actions identified in subsequent initiatives.	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing	1. 2. 3.	1. Discontinue 2. 3. Ongoing capability
TN-11	Support and participate in county-led initiatives intended to build local and regional mitigation and risk-reduction capabilities (see Section 9.1).	All Hazards	None provided in the 2015 HMP	County Departments	Ongoing	1. 2. 3.	1. Discontinue 2. 3. Ongoing capability
TN-12	Begin the process to promote or adopt higher regulatory and zoning standards to manage flood hazard risk.	Flood	None provided in the 2015 HMP	NFIP FPA	No Progress	1. 2. 3.	1. Include in the 2022 HMP. 2. Action to update the Flood Damage Prevention Ordinance; planning to update zoning ordinance and comprehensive plan 3.
TN-13	Develop and implement a post-event damage assessment program.	Flood; Severe Storm; Severe Winter Storm	None provided in the 2015 HMP	Engineering Department	Ongoing	1. 2. 3.	1. Discontinue 2. 3. Ongoing county capability
TN-14	Support participation in the NFIP CRS program by attending CRS workshop(s) if	Flood		NFIP FPA	No Progress	1.	1. Discontinue 2.



Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success 1. Cost 2. Level of Protection 3. Damages Avoided; Evidence of Success	Next Steps 1. Project to be included in 2022 HMP or Discontinue 2. If including action in the 2022 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
	offered within the county. Join the CRS program if adequate resources to support long term participation can be dedicated. See following related CAV initiative.		None provided in the 2015 HMP			2. 3.	3. NFIP policy base does not support administrative requirements of participation.
TN-15	Determine if a CAV or CAC is needed, and schedule if needed. This is a part of the process of joining CRS (above initiative).	Flood	None provided in the 2015 HMP	NFIP FPA	No Progress	1. 2. 3.	1. Discontinue 2. 3. Part of previous action.
TN-16	Designate a NFIP FPA, and other local officials who would benefit, become a CFM through the ASFPM and NYSSFMA, and pursue relevant continuing education training such as FEMA BCA and SDE.	Flood	None provided in the 2015 HMP	NFIP FPA	Ongoing	1. 2. 3.	1. Include in the 2022 HMP. 2. Action to ensure FPA is trained. 3.
TN-17	Develop and maintain mapping of all natural hazard risk areas in the Town, FEMA-delineated or otherwise, to support land use decision making (e.g. Planning Board, site plan review process).	Flood, Wildfire	None provided in the 2015 HMP	Engineering Department	Ongoing	1. 2. 3.	1. Discontinue 2. 3. Completed as part of the HMP update
TN-18	Work with County and power companies to identify roads within the Town considered "critical" that would be prioritized for clearing after an event involving downed power lines.	Severe Storm; Severe Winter Storm	None provided in the 2015 HMP	Engineering Department	Ongoing	1. 2. 3.	1. Discontinue 2. 3. Ongoing capability
TN-19	Enhance or expand tree maintenance program and coordinate with utility companies.	Severe Storm; Severe Winter Storm	None provided in the 2015 HMP	Engineering Department	Ongoing	1. 2. 3.	1. Discontinue 2. 3. Ongoing capability
TN-20	Work with utility companies and developers to bury utility lines underground, wherever possible.	Severe Storm; Severe Winter Storm	None provided in the 2015 HMP	Engineering Department	Ongoing	1. 2. 3.	1. Include in the 2022 HMP. 2. 3.



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

The Town of Nunda has not identified mitigation projects/activities that have been completed but were not identified in the previous mitigation strategy in the 2015 HMP.

### Proposed Hazard Mitigation Initiatives for the HMP Update

The Town of Nunda was invited to a mitigation action workshop in September 2021 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).

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

**Table 9.20-15. Analysis of Mitigation Actions by Hazard and Category**

Hazard	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Drought										
Earthquake										
Flood	X	X		X	X	X	X			
Hazardous Materials										
Invasive Species										
Landslide										
Mine Subsidence										
Pandemic										
Severe Storm		X		X		X	X			
Severe Winter Storm		X				X				
Terrorism										
Utility Failure		X				X				
Wildfire										

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

Table 9.20-16 summarizes the comprehensive range of specific mitigation initiatives the Town of Nunda 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 9.20-16. Proposed Hazard Mitigation Initiatives

Project Number	Mitigation Initiative Name	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Priority	Mitigation Category	CRS Category
2022-Town of Nunda-001	Update Flood Damage Prevention Ordinance	<b>Problem:</b> The town lacks an updated flood damage prevention ordinance.  <b>Solution:</b> The town will adopt an updated flood damage prevention ordinance to meet state and federal NFIP standards.	No	No	Flood	2	Within 6 months	NFIP Floodplain Administrator	Town Budget	Meeting state and federal standards	Staff time	High	LPR	PR
2022-Town of Nunda-002	NFIP Administrator Training	<b>Problem:</b> The floodplain administrator for the town is in need of training on current NFIP requirements in the State.  <b>Solution:</b> The floodplain administrator will review the list of upcoming trainings on the NYSDEC website and sign up to attend.	No	No	Flood	3	Within 1 year	NFIP Floodplain Administrator	Town Budget	Increase education and training on floods in the town	Staff time	High	LPR	PR
2022-Town of Nunda-003	Protect the Nunda Water Supply Dam	<b>Problem:</b> The Nunda Water Supply Dam is in the special flood hazard area and vulnerable to flooding.  <b>Solution:</b> The Town Engineer shall conduct an assessment of the dam and determine if the facility is retrofitted based on FEMA guidelines to withstand	Yes 💧	No	Flood	1, 2	Within 5 years	Engineer; FPA	FEMA HMGP, BRIC, USDA Community Facilities Grant Program, EMPG	Ensure facility remains in service, protected from flood risk; water supply protected.	Moderate	High	SIP	PP



Project Number	Mitigation Initiative Name	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Priority	Mitigation Category	CRS Category
		severe storms and flooding. If not, the Town will apply for mitigation funding, accordingly.												
2022-Town of Nunda-004	Stormwater BMPs	<b>Problem:</b> Stormwater runoff from farms damages local infrastructure and affects water quality.  <b>Solution:</b> Develop materials and conduct education and outreach working with farmers to implement BMPs to address stormwater runoff from fields.	No	Yes	Flood, Severe Storm	1, 2, 3	Within 1 year	CEO	Staff Time	Decreased flood damage; better water quality	Medium	High	EAP	PI
2022-Town of Nunda-005	Bury Power Lines	<b>Problem:</b> Overhead power lines can be damaged by falling debris and ice accumulation, causing power outages.  <b>Solution:</b> Work with utility companies and developers to bury utility lines underground, wherever possible.	No	No	Severe Storm, Severe Winter Storm, Utility Failure	1	Within 1 year	Engineer	Staff Time; HMGP; BRIC	Power service is maintained during emergencies	High	Med.	SIP	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

Potential FEMA HMA Funding Sources:

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

Timeline:

The time required for completion of the project upon implementation

Cost:

The estimated cost for implementation.





- 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

**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 9.20-17. 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
2022-Town of Nunda-001	Update Flood Damage Prevention Ordinance	1	1	1	1	1	0	1	0	0	1	0	1	0	1	9	High
2022-Town of Nunda-002	NFIP Administrator Training	1	1	1	1	1	0	1	0	0	1	0	1	0	1	9	High
2022-Town of Nunda-003	Protect the Nunda Water Supply Dam	0	1	1	1	1	1	1	1	0	1	0	1	1	1	11	High
2022-Town of Nunda-004	Stormwater BMPs	0	1	1	1	1	1	1	1	0	1	1	1	0	1	11	High
2022-Town of Nunda-005	Bury Power Lines	0	1	0	1	1	1	0	0	0	1	1	0	0	1	7	Medium

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



### 9.20.9 Action Worksheets

The following action worksheets have been developed by the Town of Nunda to aid in the submittal of grant applications to support the funding of high priority proposed actions.

Action Worksheet			
<b>Project Name:</b>	Protect the Nunda Water Supply Dam		
<b>Project Number:</b>	2022-Town of Nunda-003		
<b>Risk / Vulnerability</b>			
<b>Hazard(s) of Concern:</b>	Flood		
<b>Description of the Problem:</b>	The Nunda Water Supply Dam is in the special flood hazard area and vulnerable to flooding.		
<b>Action or Project Intended for Implementation</b>			
<b>Description of the Solution:</b>	The Town Engineer shall conduct an assessment of the dam and determine if the facility is retrofitted based on FEMA guidelines to withstand severe storms and flooding. If not, the Town will apply for mitigation funding, accordingly.		
<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 to the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
<b>Level of Protection:</b>	0.2% annual chance flood	<b>Estimated Benefits (losses avoided):</b>	Ensure facility remains in service, protected from flood risk; water supply protected.
<b>Useful Life:</b>	50 years	<b>Goals Met:</b>	1,2
<b>Estimated Cost:</b>	High	<b>Mitigation Action Type:</b>	Structural and Infrastructure Project
<b>Plan for Implementation</b>			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	Within 3 years
<b>Estimated Time Required for Project Implementation:</b>	2 years	<b>Potential Funding Sources:</b>	FEMA HMGP, BRIC, USDA Community Facilities Grant Program, EMPG
<b>Responsible Organization:</b>	Engineer	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Capital Improvement
<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.
	Remove Dam	High	Reservoir drains
	Protect the dam from flooding	High	Selected alternative
<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>			



Evaluation and Prioritization		
<b>Project Name:</b>	Protect the Nunda Water Supply Dam	
<b>Project Number:</b>	2022-Town of Nunda-003	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	
Property Protection	1	
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	
Fiscal	1	
Environmental	1	
Social	0	
Administrative	1	
Multi-Hazard	0	
Timeline	1	
Agency Champion	1	
Other Community Objectives	1	
<b>Total</b>	11	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	Bury Power Lines		
<b>Project Number:</b>	2022-Town of Nunda-005		
<b>Risk / Vulnerability</b>			
<b>Hazard(s) of Concern:</b>	Severe Storm, Severe Winter Storm, Utility Failure		
<b>Description of the Problem:</b>	Overhead power lines can be damaged by falling debris and ice accumulation, causing power outages.		
<b>Action or Project Intended for Implementation</b>			
<b>Description of the Solution:</b>	Work with utility companies and developers to bury utility lines underground, wherever possible.		
<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 to the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
<b>Level of Protection:</b>	TBD	<b>Estimated Benefits (losses avoided):</b>	Power service is maintained during emergencies
<b>Useful Life:</b>	50 years	<b>Goals Met:</b>	1
<b>Estimated Cost:</b>	High	<b>Mitigation Action Type:</b>	Structural and Infrastructure Project
<b>Plan for Implementation</b>			
<b>Prioritization:</b>	Medium	<b>Desired Timeframe for Implementation:</b>	Within 1 year
<b>Estimated Time Required for Project Implementation:</b>	6 months	<b>Potential Funding Sources:</b>	Staff time for analysis and outreach; HMGP and BRIC for project work
<b>Responsible Organization:</b>	Engineer	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Capital Improvement
<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 backup power at each facility	High	Cost prohibitive
	Bury utility lines	High	Most effective
<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>			



Evaluation and Prioritization		
<b>Project Name:</b>	Bury Power Lines	
<b>Project Number:</b>	2022-Town of Nunda-005	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	
Property Protection	1	
Cost-Effectiveness	0	
Technical	1	
Political	1	
Legal	1	
Fiscal	0	
Environmental	0	
Social	0	
Administrative	1	
Multi-Hazard	1	
Timeline	0	
Agency Champion	0	
Other Community Objectives	1	
<b>Total</b>	7	
<b>Priority (High/Med/Low)</b>	Medium	