

## 9.19 Town of Northumberland

This section presents the jurisdictional annex for the Town of Northumberland. The town provided the following updates that were incorporated into this annex:

- Jurisdictional Annex Update Form (Contact Information, Profile, and Capability Assessment)
- Hazard Ranking
- NYS Mitigation Action Worksheets

### 9.19.1 Hazard Mitigation Plan Point of Contact

Primary Point of Contact	Alternate Point of Contact
Richard E. Colozza 17 Catherine St.; Gansevoort, NY 12831 (518) 792 – 9179, ext. 112 BZA@townofnorthumberland.org	Harold Vance 42 Leonard St.; Gansevoort, NY 12831 (518) 793 – 6901 Highwayman50@live.com

### 9.19.2 Town Profile

#### Population

5,151 (American Community Survey 5-Year 2016 Estimates)

#### Location

The Town of Northumberland is the 4th oldest town in Saratoga County, located along the eastern border of the County. It is bounded on the north by Moreau, on the east by the county line, on the south by Saratoga, and on the west by Wilton. There are three small villages in Northumberland: Gansevoort, Bacon Hill and Northumberland. The east town line is the border of Washington County and is marked by the Hudson River. The principal streams are Beaver Dam Creek and Snook kill. The Champlain Canal crosses the extreme southeastern corner, and the Delaware & Hudson railroad crosses the northwestern corner. US Route 4 is a north-south highway by the Hudson River at the southeast corner of Northumberland. New York State Route 32 is a north-south highway that intersects New York State Route 50 at Gansevoort. US-4 and NY-32 are conjoined in Northumberland.

According to the U.S. Census Bureau, the town has a total area of 32.9 square miles, with 32.3 square miles of it land and 0.6 square miles (1.67-percent) of it water.

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## Climate

Saratoga County, with all its municipalities, generally experiences seasonable weather patterns characteristic of the northeastern U.S. Warm summers are typically experienced, with occasional high temperatures and humidity. Midsummer temperatures typically range from 60°F to 83°F (Fahrenheit). The winters of Saratoga County are long and cold, with temperatures typically ranging from 12°F to 30°F (Fahrenheit). During the winter, temperatures are cooler than the temperatures in areas located near large bodies of water. Snow accumulates to an average depth of 68.7 inches each year. Since the 2009 update, high and low temperatures have increased for longer periods of time over the year.

## Brief History

The area of Northumberland was first settled around 1765. Previously, it was in the territory of Mohican natives, who had two villages in the town. The town was formed on March 16, 1798 from the Town of Saratoga. Later part of its territory was removed to form newer town; Hadley (1801), Moreau (1805), and Wilton (1818). The Champlain Canal opened in the Town of Northumberland in 1832.

## Governing Body Format

No information at this time.

## Growth/Development Trends

Table 9.19-1 Commercial Expansion

Name	Location
Dollar General	Leonard St.
Stonebridge Iron and Stock	Stonebridge Rd.
Sartoga Feed	Route 4, Schuylerville
Rain or Shine Tent	Wall St., Schuylerville
Wolpastoria Dog Grooming	Rt 50, Gansevoort
Scarrento Greenhouse	Pettis Rd and Stomp St., Gansevoort
King Dairy – Ice Cream Stand	Kind Rd., Schuylerville
New Dimension Landscape	Jewel Rd., Gansevoort
Waste Management Landfill	Peter Rd., Gansevoort
Grasshopper Landscape	Mott Rd., Gansevoort

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### 9.19.3 Town-Specific Hazard Information

Detailed hazard event histories can be found in the Previous Occurrences and Losses sections of each hazard profile in Section 5. Table 9.19-2 summarizes the Town of Northumberland’s ranking of the natural hazards based on probability of occurrence and impacts to the town.

**Table 9.19-2 Town of Northumberland Hazard Ranking**

Rank #	Hazard Type	Probability of Occurrence	Risk Ranking Score <sup>a</sup>	Hazard Ranking <sup>b</sup>
1	Drought	Frequent	60	High
7	Earthquake	Rare	6	Low
2	Extreme Temperature	Frequent	36	High
2	Flood (riverine, flash, coastal and urban flooding)	Frequent	36	High
7	Ground Failure	Rare	6	Low
6	Invasive Species	Infrequent	12	Medium
4	Severe Storm (windstorms, thunderstorms, hail, lightning and tornados)	Regular	27	Medium
4	Severe Winter Storm (heavy snow, blizzards, ice storms)	Regular	27	Medium
1	Wildfire	Rare	6	Low

a. Risk ranking score = Probability x Impact

b. High = Total hazard priority risk ranking score of 31 and above; Medium = Total hazard priority risk ranking of 16-30; and Low = Total hazard risk ranking below 15

### 9.19.4 Capability Assessment

This section identifies the following capabilities of the local jurisdiction:

- Legal and regulatory capability;
- Administrative and technical capability;
- Fiscal capability; and,
- Community classification.

## Legal and Regulatory Capability

**Table 9.19-3 Legal and Regulatory Capability of the Town of Northumberland**

Regulatory Tools (Codes, Ordinances, Plans)	Local Authority (Y or N)	Prohibitions (State or Federal) (Y or N)	Higher Jurisdictional Authority (Y or N)	State Mandated (Y or N)	Code Citation (Section, Paragraph, Page Number, date of adoption)
1) Building Code	Y	N	Y	N	N.Y.S. Building Code
2) Zoning Ordinance	Y	N	N	N	Town Ordinance 2-15-06
3) Subdivision Ordinance	Y	N	N	N	Town Regulation 12-29-99
4) NFIP Flood Damage Prevention Ordinance(if you are in the NFIP, you must have this.)	Y	Y	Y	Y	Not provided
5) Growth Management	Y	N	N	N	Not provided
6) Floodplain Management / Basin Plan	Y	Y	Y	N	Town Ordinance 2-15-09 See XI (V) (2)
7) Stormwater Management Plan/Ordinance	Y	N	Y	Y	Town Ordinance 2-15-09 See XI (3)
8) Comprehensive Plan / Master Plan/ General Plan	Y	N	N	N	Not provided
9) Capital Improvements Plan	N	N	N	N	Not provided
10) Site Plan Review Requirements	Y	Y	Y	N	Town Ordinance 2-15-06 See X
11) Open Space Plan	Y	N	N	N	Town Ordinance 2-15-06 See VI / XI
12) Economic Development Plan	N	N	N	N	Not provided
13) Emergency Response Plan	Y	N	Y	Y	Not provided
14) Post Disaster Recovery Plan	Y	N	N	N	Town Comprehensive Emergency Management Plan 8-1-08
15) Post Disaster Recovery Ordinance	Y	N	N	N	Town Comprehensive Emergency Management Plan 8-1-08
16) Real Estate Disclosure req.	N	N	N	N	Not provided
17) Other [Special Purpose Ordinances (i.e., critical or sensitive areas)]	Y	Y	Y	N	Town Ordinance 2-15-06 See VII

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## Administrative and Technical Capability

**Table 9.19-4 Administrative and Technical Capability of the Town of Northumberland**

Staff/ Personnel Resources	Available (Y or N)	Department/ Agency/Position
1) Planner(s) or Engineer(s) with knowledge of land development and land management practices	Y	Engineer Finn
2) Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Engineer Finn
3) Planners or engineers with an understanding of natural hazards	Y	Engineer Finn
4) Floodplain Administrator	Y	Building Department
5) Surveyor(s)	N	Not provided
6) Personnel skilled or trained in "GIS" applications	N	Not provided
7) Scientist familiar with natural hazards in the Town of Northumberland.	N	Not provided
8) Emergency Manager	Y	Building Department
9) Grant Writer(s)	N	Not provided
10) Staff with expertise or training in benefit/cost analysis	N	Not provided

## Fiscal Capability

**Table 9.19-5 Fiscal Capability of the Town of Northumberland**

Financial Resources	Accessible or Eligible to use (Yes/No/Don't know)
1) Community development Block Grants (CDBG)	Yes
2) Capital Improvements Project Funding	Yes
3) Authority to Levy Taxes for specific purposes	Yes
4) User fees for water, sewer, gas or electric service	Yes
5) Impact Fees for homebuyers or developers of new development/homes	Yes
6) Incur debt through general obligation bonds	Yes
7) Incur debt through special tax bonds	Don't Know
8) Incur debt through private activity bonds	Don't Know
9) Withhold public expenditures in hazard-prone areas	Don't Know
10) State mitigation grant programs (e.g. NYSDEC, NYCDEP)	Yes

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Financial Resources	Accessible or Eligible to use (Yes/No/Don't know)
11) Other	FEMA

## Community Classifications

**Table 9.19-6 Community Classifications of the Town of Northumberland**

Program	Classification	Date Classified
Community Rating System (CRS)	NP	N/A
Building Code Effectiveness Grading Schedule (BCEGS)	NP	N/A
Public Protection	NP	N/A
Storm Ready	NP	N/A
Firewise	NP	N/A

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

The classifications listed above relate to the community's effectiveness in providing services that may impact its vulnerability to the natural hazards identified. These classifications can be viewed as a gauge of the community's capabilities in all phases of emergency management (preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS class applies to flood insurance while the BCEGS and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10 with class one being the best possible classification, and class 10 representing no classification benefit. Firewise classifications include a higher classification when the subject property is located beyond 1000 feet of a creditable fire hydrant and is within 5 road miles of a recognized Fire Station. Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual;
- The Building Code Effectiveness Grading Schedule;
- The ISO Mitigation online ISO's Public Protection website at: <https://www.isomitigation.com/ppc/>;
- The National Weather Service Storm Ready website at <https://www.weather.gov/stormready/>; and,
- The National Firewise Communities website at <http://firewise.org/>.

## 9.19.5 Mitigation Strategy

### Proposed Hazard Mitigation Initiatives

Table 9.19-7 Proposed Hazard Mitigation Initiatives of the Town of Northumberland

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TN-1	Where appropriate, support retrofitting of structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. Identify facilities that are viable candidates for retrofitting based on cost- effectiveness versus relocation. Where retrofitting is determined to be a viable option, consider implementation of that action based on available funding.	Existing	Flood, Severe Storm	1, 2, 3, 5	1-1, 1-2, 1-3, 2-2, 2-3, 2-4, 3-1, 3-5	Municipality (likely through NFIP Floodplain Administrator)	NYS DHSES, FEMA	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Long Term

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TN-2	Where appropriate, support purchase, or relocation of structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. Identify facilities that are viable candidates for relocation based on cost- effectiveness versus retrofitting. Where relocation is determined to be a viable option, consider implementation of that action based on available funding.	Existing	Flood, Severe Storm	1, 2, 3, 5	1-1, 1-2, 1-3, 2-2, 2-3, 2-4, 3-1, 3-5	Municipality (likely through NFIP Floodplain Administrator)	NYS DHSES, FEMA	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Short Term
TN-3	Consider participation in incentive-based programs such as CRS.	New & Existing	Flood	1, 2, 5	1-1, 1-3, 1-6, 2-1, 2-2, 2-3, 2-4, 5-2	Municipality (likely through NFIP Floodplain Administrator)	NYS DHSES, ISO, FEMA	Low - Medium	Local Budget	Short Term
TN-4	Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0	New & Existing	All Hazards	All	All	Municipality (through mitigation planning point of contacts)	County (through Mitigation Planning Coordinator), NYS DHSES	Low – High (for 5-year update)	Local Budget, possibly FEMA Mitigation Grant Funding for 5-year update	Long Term

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Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TN-5	Strive to maintain compliance with, and good-standing in the National Flood Insurance program.	New & Existing	Flood	1, 2, 4	1-1, 1-2, 1-3, 1-8, 2-2, 2-3, 2-4, 4-1, 4-2, 4-3, 4-4	Municipality (likely through NFIP Floodplain Administrator)	NYS DHSES, ISO, FEMA	Low - Medium	Local Budget	Ongoing
TN-6	Continue to develop, enhance, and implement existing emergency plans.	New & Existing	All Hazards	1, 3	1-1, 1-7, 3-2, 3-4, 3-5	Municipal Emergency Manager with support from County OEM and NYS DHSES	County Emergency Management, NYS DHSES	Low - Medium	Local Budget	Ongoing
TN-7	Create/enhance/ maintain mutual aid agreements with neighboring communities.	New & Existing	All Hazards	3, 5	3-4, 5-1, 5-3	Local Emergency Management, DPW and Roads	Surrounding municipalities and County	Low - Medium	Local Budget	Ongoing
TN-8	Support County-wide initiatives identified in Section 9.1 of the County Annex.	New & Existing	All Hazards	All	All	Local departments (as applicable for specific initiative)	County and Regional agencies (as appropriate for initiative)	Low - High	Existing programs and grant funding where applicable	Ongoing
TN-9	Create/update the Emergency Action Plans for all dams located within the municipality.	Existing	Flood, Severe Storm	1, 3	1-1, 1-6, 1-7, 3-1, 3-2, 3-4	Municipality	Watershed districts (if applicable); neighboring municipalities ; County (if applicable); NYS	Medium to	FEMA	Ongoing – Long-term depending on initiative

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Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TN-10	Implement dam structure repairs as required by dam safety report/protocols	Existing	Flood	3	3-1, 3-3, 3-6	Municipality	Watershed districts (if applicable); neighboring municipalities ; County (if applicable); NYS	Medium	FEMA HMA	Long Term
TN-11	Support the Installation/Implementation of Community Emergency Alert System	New & Existing	All Hazards	1, 3, 5	1-1, 3-1, 3-3, 3-5, 3-6, 5-1	Municipality	Watershed districts (if applicable); neighboring municipalities ; County (if applicable); NYS	Medium	FEMA HMA	Ongoing- to be completed in 2010
TN-12	Create a mitigation support fund to provide matching funds on an ongoing basis for municipality and residential mitigation projects which will fund cost-sharing portions of projects and be replenished during the annual budget cycle	New & Existing	All Hazards	1, 2, 3, 5	1-3, 1-9, 2-5, 3-1, 5-2	Municipality		Medium	Operating budget	Short Term
TN-13	Mitigate Brownville Road Flooding by installing new 8' by 40' culvert and increasing sub-base material to a depth of 18"-24" above existing grad & repave	New	Flood	1	1-1, 1-8	Town of Northumberland Highway Department		Low	Local Budget	Short Term

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Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Objectives Met	Lead Agency	Support agencies	Estimated Cost	Sources of Funding	Timeline
TN-14	Mitigate flooding of Wells Lane by increasing the sub-base material by two-feet compacted and installing two more 15" by 40' culverts two allow dispersement	New & Existing	Flood	1	1-1, 1-8	Town of Northumberland Highway Department		Low	Local Budget	Short Term

\*Does this mitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure?

Notes: Short term = 1 to 5 years; Long Term= 5 years or greater; OG = Ongoing program; DOF = Depending on funding; NA = Not applicable; PDM = Pre-Disaster Mitigation Grant Program.

## Analysis of Mitigation Actions

This table summarizes the participant's mitigation actions by hazard of concern and the six mitigation types to illustrate that the Town has selected a comprehensive range of actions/projects.

**Table 9.19-8 Analysis of Mitigation Actions of the Town of Northumberland**

Hazard of Concern	Type of Mitigation Action					
	Prevention	Property Protection	Public Education and Awareness	Natural Resource Protection	Emergency Services	Structural Projects
Drought	TN-3, TN-7, TN-10, TN-11	TN-3, TN-7	TN-3, TN-7	TN-3, TN-7	TN-3, TN-5, TN-6, TN-7, TN-10	TN-3, TN-7
Earthquake	TN-3, TN-7, TN-10, TN-11	TN-3, TN-7	TN-3, TN-7	TN-3, TN-7	TN-3, TN-5, TN-6, TN-7, TN-10	TN-3, TN-7
Extreme Temperatures	TN-3, TN-7, TN-10, TN-11	TN-3, TN-7	TN-3, TN-7	TN-3, TN-7	TN-3, TN-5, TN-6, TN-7, TN-10	TN-3, TN-7
Flooding (riverine, flash, coastal and urban flooding)	TN-2, TN-3, TN-4, TN-7, TN-8, TN-10, TN-11	TN-1a and b, TN-2, TN-3, TN-4, TN-7	TN-1a and b, TN-2, TN-3, TN-4, TN-7	TN-3, TN-7	TN-2, TN-3, TN-5, TN-6, TN-7, TN-10	TN-3, TN-7, 9, 13, 14

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Hazard of Concern	Type of Mitigation Action					
	Prevention	Property Protection	Public Education and Awareness	Natural Resource Protection	Emergency Services	Structural Projects
Ground Failure	TN-3, TN-7, TN-10, TN-11	TN-3, TN-7	TN-3, TN-7	TN-3, TN-7	TN-3, TN-5, TN-6, TN-7, TN-10	TN-3, TN-7
Invasive Species	TN-3, TN-7, TN-10, TN-11	TN-3, TN-7	TN-3, TN-7	TN-3, TN-7	TN-3, TN-5, TN-6, TN-7, TN-10	TN-3, TN-7
Severe Storms (windstorms, thunderstorms, hail, lightning and tornados)	TN-2, TN-3, TN-4, TN-7, TN-8, TN-10, TN-11	TN-1a and b, TN-2, TN-3, TN-4, TN-7	TN-1a and b, TN-2, TN-3, TN-4, TN-7	TN-3, TN-7	TN-2, TN-3, TN-5, TN-6, TN-7, TN-10	TN-3, TN-7
Severe Winter Storm (heavy snow, blizzards, ice storms)	TN-3, TN-7, TN-10, TN-11	TN-3, TN-7	TN-3, TN-7	TN-3, TN-7	TN-3, TN-5, TN-6, TN-7, TN-10	TN-3, TN-7
Wildfire	TN-3, TN-7, TN-10, TN-11	TN-3, TN-7	TN-3, TN-7	TN-3, TN-7	TN-3, TN-5, TN-6, TN-7, TN-10	TN-3, TN-7

Notes:

1. **Prevention:** Government, administrative or regulatory actions or processes that influence the way land and buildings are developed and built. These actions also include public activities to reduce hazard losses. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
2. **Property Protection:** 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.
3. **Public Education and Awareness:** 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 school-age and adult education programs.
4. **Natural Resource Protection:** 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.
5. **Emergency Services:** 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.
6. **Structural Projects:** 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.

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## Prioritization of Mitigation Initiatives

**Table 9.19-9 Prioritization of Mitigation Initiatives of the Town of Northumberland**

Initiative #	# of Objectives Met	Benefits	Costs	Do Benefits equal or exceed Costs? (Yes or No)	Is project Grant eligible? (Yes or No)	Can Project be funded under existing programs/budgets? (Yes or No)	Priority (High, Med., Low)
TN-1	8	H	H	Y	Y	N	M-H*
TN-2	8	H	H	Y	Y	N	M-H*
TN-3	8	M	L	Y	N	Y	H
TN-4	28	M	M	Y	N (Yes for 5 year update)	Y	H
TN-5	11	L	L	Y	N	Y	H
TN-6	5	M	L	Y	N	Y	M
TN-7	35	M	L	Y	N	Y	H
TN-8	28	H	L-M	Y	Dependant on specific initiative	Dependant on specific initiative	M-H (dependant)
TN-9	6	M	M-L	Y	Y	Y (local match)	M
TN-10	3	M	M	Y	Y	Y (local match)	M
TN-11	6	M	M	Y	Y	Y (local match)	M
TN-12	6	M	M	Y	N	Y	H
TN-13	2	H	L	Y	Y	N	H
TN-14	2	H	L	Y	N	Y	L

Notes: H = High. L = Low. M = Medium. N = No. N/A = Not applicable. Y = Yes.

\*This initiative has a Medium priority based on the prioritization scheme used in this planning process (implementation based on grant funding), however it is recognized that addressing repetitive and severe repetitive loss properties is considered a high priority by Federal Emergency Management Agency (FEMA) and NYS Division of Homeland Security and Emergency Services (NYS DHSES) (as expressed in the State HMP), and thus shall be considered a High priority for all participants in the planning process.

### Explanation of Priorities

- High Priority** - A project that meets multiple objectives (i.e., multiple hazards), benefits exceeds cost, has funding secured or is an on-going project and project meets eligibility requirements for the Hazard Mitigation Grant Program (HMGP) or Pre-Disaster Mitigation Grant Program (PDM) programs. High priority projects can be completed in the short term (1 to 5 years).
- Medium Priority** - A project that meets goals and objectives, benefits exceeds costs, funding has not been secured but project is grant eligible under, HMGP, PDM or other

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grant programs. Project can be completed in the short term, once funding is completed. Medium priority projects will become high priority projects once funding is secured.

- **Low Priority** - Any project that will mitigate the risk of a hazard, benefits do not exceed the costs or are difficult to quantify, funding has not been secured and project is not eligible for HMGP or PDM grant funding, and time line for completion is considered long term (1 to 10 years). Low priority projects may be eligible other sources of grant funding from other programs. A low priority project could become a high priority project once funding is secured as long as it could be completed in the short term.

Prioritization of initiatives was based on above definitions: Yes.

Prioritization of initiatives was based on parameters other than stated above: Not Applicable.

### **9.19.6 Future Needs to Better Understand Risk/Vulnerability**

None at this time.

### **9.19.7 Additional Comments**

No additional comments at this time.

## 9.19.8 NYS Mitigation Action Worksheets

Saratoga County Multi-Jurisdictional Hazard Mitigation Plan			
<b>Name of Jurisdiction:</b> Town of Northumberland			
NYS DHSES Action Worksheet			
Project Name:	Brownville Rd		
Project Number:	#1 TN-13		
Risk / Vulnerability			
Hazard of Concern:	Flooding of Water		
Description of the Problem:	Flooding occurs in springtime with snow and ice melt causing water to spill over the road causing road closures.		
Action or Project Intended for Implementation			
Description of the Solution:	Install new 8' x 40' culvert and increasing sub-base material to a depth of 18" – 24" above existing grade & repave.		
Is this project related to a Critical Facility?		Yes	No <input checked="" type="checkbox"/>
(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:		Estimated Benefits (losses avoided):	Major Road protection to major business
Useful Life:	25+ years		
Estimated Cost:	\$689,000.00		
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	Within 12 months
Estimated Time Required for Project Implementation:	25 days	Potential Funding Sources:	0-local
Responsible Organization:	Town of Northumberland Highway Department	Local Planning Mechanisms to be Used in Implementation, if any:	Water crossing protection
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			
2017 New York State Hazard Mitigation Planning Standards Guide			

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**Name of Jurisdiction:** Town of Northumberland

NYS DHSES Action Worksheet			
Project Name:	Wells Lane		
Project Number:	#2 TN-14		
Risk / Vulnerability			
Hazard of Concern:	Flooding of Water		
Description of the Problem:	Road becomes submerged with water with approximately one foot of water causing no way of entrance or exit for emergency situations.		
Action or Project Intended for Implementation			
Description of the Solution:	Increase sub-base material by two feet compacted and install 2 more 15" culverts x 40' Length each to allow dispersement.		
Is this project related to a Critical Facility?		Yes	No
(If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.)			
Level of Protection:	Moderate	Estimated Benefits (losses avoided):	
Useful Life:	25+ years		
Estimated Cost:	\$86,020.00		
Plan for Implementation			
Prioritization:	Low	Desired Timeframe for Implementation:	Within 10 months
Estimated Time Required for Project Implementation:	10 - 15 days	Potential Funding Sources:	0-local
Responsible Organization:	Town of Northumberland Highway Department	Local Planning Mechanisms to be Used in Implementation, if any:	State & Local Flood Plain Regulations
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			

2017 New York State Hazard Mitigation Planning Standards Guide