

9.18 TOWN OF MOREAU

This section presents the jurisdictional annex for the Town of Moreau.

A.) HAZARD MITIGATION PLAN POINT OF CONTACT

Primary Point of Contact	Alternate Point of Contact
F. Joseph Patricke, Building Inspector/Code Enforcement Officer P.O. Box 1349, 61 Hudson Street, South Glens Falls, NY 12803 (518) 792-4762 jpatricke@townofmoreau.org	Preston L. Jenkins, Jr., Supervisor P.O. Box 1349, 61 Hudson St., South Glens Falls, NY 12803 518-792-1802 moreausuper@townofmoreau.org

B.) TOWN PROFILE

Population

14,176 (estimated 2007 U.S. Census)

Location

The Town of Moreau is located in the northeastern part of Saratoga County. It is bounded on the north and east by the county line, on the south by Northumberland and Wilton, and on the west by Corinth and the county line. South Glens Falls is the principal village in Moreau. It is located on the Hudson in the northeastern part of the town, across the river from Glens Falls, Warren County. The town's entire northern and eastern boundaries are established by the Hudson River. The eastern town line, formed by the river, is the border of Washington County. The north town line is the border of Warren County. The Adirondack Northway (Interstate 87) and US Route 9 are north-south highways through the town. New York State Route 32 intersects US-9 at the hamlet of Fernwood, and New York State Route 197 intersects NY-32 at the hamlet of Reynolds Corners.

According to the U.S. Census Bureau, the town has a total area of 43.6 square miles, with 42.2 square miles of it land and 1.5 square miles (3.32-percent) of it is water.

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.

Brief History

The town, although part of Town of Northumberland until March 28, 1805, was first settled around 1766 at what is now the village of South Glens Falls. Grant Cottage State Historic Site, the last home of Ulysses S. Grant, former President and army general, is on the grounds of Mt. McGregor Correctional Facility.

Governing Body Format

This information is not available at this time.

Growth/Development Trends

Areas identified for potential future development in the Town of Moreau Land Use Plan include commercial development along NYS Route 9 corridor and the interchange with I-87; Moreau Industrial Park which is a part of the Saratoga County Empire Zone (provides a series of financing and tax abatement incentives for businesses expanding within the zone; is the second largest Empire Zone area in any single municipality in Saratoga County); and maximize commercial value in the NYS Route 197 corridor (Landscape, Architecture and Engineering, P.C., 2008).

New Development/Potential Development in Municipality					
Property Name	Type	Number of Structures	Address	Block and Lot	Description
Pinewood Estates		55	Reservoir Rd	63.2-2-34.11	Single Family
Woodscape		55	Reservoir Rd	63-1-45	Single Family
Palmerton Heights		49	Kadnorida Dr	89-1-40	Single Family
Olde Saratoga Estates		27	Old Saratoga Rd	89-1-3.111	Single Family
Blubird Village Apts.		236	Fort Edward Rd	50-2-1.11	Apartments
Leonelli Apts – Harrison		240	Harrison Ave	37-1-15.11	Apartments
Leonelli Apts. – Sisson		144	Sisson Rd	37.19-1-25	Apartments

C.) NATURAL HAZARD EVENT HISTORY SPECIFIC TO THE TOWN

Type of Event	FEMA Disaster # (if applicable)	Date	Preliminary Damage Assessment
Blizzard	Not applicable	March, 1888	Not available
Flood	Not applicable	March, 1913	Not available
Snowstorm and Extreme Cold	Not applicable	February, 1961	\$81,000 (countywide)
Flood (Tropical Storm Agnes)	Not applicable	June, 1972	\$1,600,000 (countywide)
Flood	Not applicable	March, 1977	Not available
Snowstorm	Not applicable	January, 1983	\$238,000 (countywide)
Snowstorm	Not applicable	April, 1983	\$238,000 (countywide)
Snowstorm	Not applicable	December, 1983	\$179,000 (countywide)
Snowstorm	Not applicable	February, 1984	\$238,000 (countywide)



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Type of Event	FEMA Disaster # (if applicable)	Date	Preliminary Damage Assessment
Flood	Not applicable	May, 1984	\$2,400,000 (countywide)
Flood	Not applicable	March, 1986	\$1,400,000 (countywide)
Flood	Not applicable	August, 1986	\$505,000 (countywide)
Flood	Not applicable	April, 1987	\$2,100,000 property damage; \$208,000 crop damage; 3 injuries (countywide)
Severe Winter Storm	DR-801	October, 1987	Not available
Snowstorm	Not applicable	February, 1990	\$545,000 (countywide)
Freezing Rain	Not applicable	March, 1991	\$833,000 (countywide)
Blizzard and Extreme Cold	EM-3107	March, 1993	Not available
Snowstorm	Not applicable	February, 1995	\$500,000 (countywide)
Snowstorm	Not applicable	March, 1995	\$100,000 (countywide)
Severe Storm and Flooding	DR-1095	January, 1996	\$10,000,000 (countywide)
Flood	Not applicable	April, 1996	\$40,000 (countywide); Spier Falls Road washed out
Severe Storms and Flooding	Not applicable	November, 1996	\$404,000 (countywide)
Snowstorm	Not applicable	March / April, 1997	\$709,000 (countywide)
Severe Winter Storm and Flooding	DR-1196	January, 1998	Between \$125,000 and \$745,000 (countywide)
Severe Storms and Flooding (Hurricane Floyd)	DR-1295	September, 1999	Not available
Flood	Not applicable	February, 2000	\$63,000 (countywide)
Severe Storms	Not applicable	May/September, 2000	\$80,000 (countywide)
Flood	Not applicable	December, 2000	\$190,000 (countywide)
Snowstorm	Not applicable	March, 2001	Not available
Snowstorm	EM-3173	December 2002 / January 2003	Not available
Severe Storms, Tornado and Flooding	Not applicable	July / August 2003	Between \$100,000 and \$160,000 (countywide)
Severe Storms and Flooding	DR-1534	May / June 2004	\$14,000,000 (statewide)
Severe Storms and Flooding	Not applicable	June/July, 2006	Not available
Ice Storm	Not applicable	January, 2007	Power outages
Snowstorm (Valentine's Day Storm)	Not applicable	February, 2007	Not available

Number of FEMA Identified Repetitive Flood Loss Properties: 0

Number of FEMA Identified Severe Repetitive Flood Loss Properties: 0

Source: FEMA Region 2, November 2008



D.) NATURAL HAZARD RISK/VULNERABILITY RISK RANKING

Rank #	Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^{a,c}	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking ^b
4	Earthquake	\$5,066,626 ^{c,e}	Rare	11	Low
2	Flood (riverine, flash, coastal and urban flooding)	\$8,133,000 ^{c,e}	Frequent	51	High
3	Ground Failure	Not available ^f	Occasional	24	Medium
2	Severe Storm (windstorms, thunderstorms, hail, lightning and tornados)	\$916,181 ^{c,d}	Frequent	51	High
1	Severe Winter Storm (heavy snow, blizzards, ice storms)	\$30,632,550 ^{c,d}	Frequent	54	High

a. Building damage ratio estimates based on FEMA 386-2 (August 2001)

b. High = Total hazard priority risk ranking score of 31 and above

Medium = Total hazard priority risk ranking of 16-30

Low = Total hazard risk ranking below 15

c. The valuation of general building stock and loss estimates determined in Saratoga County were based on the default general building stock database provided in HAZUS-MH MR3 (RSMears 2006).

d. Severe storm and severe winter storm hazard 500-year MRP loss estimate is structural value only; does not include the value of contents. For severe winter storm, the loss estimate is 5% of total general building stock value.

e. Loss estimates for both structure and contents (500-year MRP for the flood hazard and 2,500-year MRP for the earthquake hazard).

f. Approximately 60% of the Town's general building stock is located within the landslide hazard area, and thus vulnerable.

E.) CAPABILITY ASSESSMENT

This section identifies the following capabilities of the local jurisdiction:

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

E.1) Legal and Regulatory Capability

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	LL#4-2006, December 26,2006
2) Zoning Ordinance	Y	N	N	N	LL#1-1998, January 27, 1998
3) Subdivision Ordinance	Y	N	N	N	Subdivision of Land, December 29, 1993
4) NFIP Flood Damage Prevention Ordinance (if you are in the NFIP, you must have this.)	Y	Y	Y	Y	LL#3-1993, August 27,1989
5) Growth Management	N	N	N	N	
6) Floodplain Management / Basin Plan	N	Y	Y	N	
7) Stormwater Management Plan/Ordinance	Y	N	Y	Y	LL#1-2008, February 28
8) Comprehensive Plan / Master Plan/ General Plan	Y	N	N	N	Comprehensive Land Use Plan August 26, 2008
9) Capital Improvements Plan	N	N	N	N	
10) Site Plan Review Requirements	Y	Y	Y	N	LL#1-1998, January 27, 19989
11) Open Space Plan	N	N	N	N	
12) Economic Development Plan	N	N	N	N	
13) Emergency Response Plan	Y	N	Y	Y	December 31, 1993
14) Post Disaster Recovery Plan	N	N	N	N	
15) Post Disaster Recovery Ordinance	N	N	N	N	
16) Real Estate Disclosure req.	N	N	N	N	
17) Other [Special Purpose Ordinances (i.e., critical or sensitive areas)]	N	N	N	N	

E.2) Administrative and Technical Capability

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	F. Joseph Patricke Building Inspector/Code Enforcement Officer
2) Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	F. Joseph Patricke Building Inspector/Code Enforcement Officer
3) Planners or engineers with an understanding of natural hazards	Y	F. Joseph Patricke Building Inspector/Code Enforcement Officer
4) NFIP Floodplain Administrator (if you are in the NFIP, you must have one.)	Y	F. Joseph Patricke Building Inspector/Code Enforcement Officer
5) Surveyor(s)	N	
6) Personnel skilled or trained in "GIS" applications	N	
7) Scientist familiar with natural hazards in the Town of Moreau.	N	
8) Emergency Manager	Y	Preston L. Jenkins, Jr., Supervisor
9) Grant Writer(s)	N	
10) Staff with expertise or training in benefit/cost analysis	N	

E.3) Fiscal Capability

Financial Resources	Accessible or Eligible to use (Yes/No/Don't know)
1) Community development Block Grants (CDBG)	No
2) Capital Improvements Project Funding	No
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	No
6) Incur debt through general obligation bonds	Don't know
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)	
11) Other	

E.4) Community Classifications

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 (1) 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 <http://www.isomitigation.com/ppc/0000/ppc0001.html>
- The National Weather Service Storm Ready website at <http://www.weather.gov/stormready/howto.htm>
- The National Firewise Communities website at <http://firewise.org/>

F.) PROPOSED HAZARD MITIGATION INITIATIVES

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
TMO-1a	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)	SEMO, FEMA	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Long-term DOF
TMO-1b	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.			1, 2, 3, 5	1-1, 1-2, 1-3, 2-2, 2-3, 2-4, 3-1, 3-5					

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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
TMO-2	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)	SEMO, ISO, FEMA	Low - Medium	Local Budget	Short
TMO-3	Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0	New & Existing	All Hazards	1 through 5	All	Municipality (through mitigation planning point of contacts)	County (through Mitigation Planning Coordinator), SEMO	Low – High (for 5-year update)	Local Budget, possibly FEMA Mitigation Grant Funding for 5-year update	Ongoing
TMO-4	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)	SEMO, ISO, FEMA	Low - Medium	Local Budget	Ongoing
TMO-5	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 SEMO	County Emergency Management, SEMO	Low - Medium	Local Budget	Ongoing
TMO-6	Create/enhance/ maintain mutual aid agreements with neighboring communities.	New & Existing	All Hazards	3, 5	3-4, 5-1, 5-3	Local Emergency Management, Highway Superintendent	Surrounding municipalities and County	Low - Medium	Local Budget	Ongoing
TMO-7	Support County-wide initiatives identified in Section 9.1 of the County Annex.	New & Existing	All Hazards	1 through 5	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 – Long-term depending on initiative
TMO-8	Determine the appropriate action and address flood damage along Old Bend Road and West River Road	New & Existing	Flood, Severe Storm	1, 3	1-1, 1-5, 3-1, 3-4	Municipality likely through Emergency Manager and Highway	Municipality and County	Medium	Existing programs and grant funding where	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
						Superintendent			applicable	
TMO-9	Strengthen or continue to strengthen provisions in the Zoning Law for the management of stormwater, erosion and the protection of open space. Per the Comprehensive Land Use Plan	New & Existing	Flood, Severe Storm	1, 4	1-1, 1-7, 4-1, 4-2, 4-3, 4-4	Municipality likely through Emergency Manager and Building Inspector	Municipality and County	Low	Budget	Ongoing
TMO-10	Review/revise the Town Zoning Law and Subdivision Regulations to reflect recommendations in the Comprehensive Plan (e.g., preserve open space, prohibit new mining as a use of land, carefully plan new development, etc.). Per the Comprehensive Land Use Plan	New & Existing	All Hazards	1, 4	1-1, 1-7, 4-1, 4-2, 4-3, 4-4	Municipality likely through Emergency Manager and Building Inspector	Municipality and County	Low	Budget Ongoing	
TMO-11	Participate in the Champlain Canal Heritage Area Program that is proposing to establish a Greenway Corridor along the Hudson River. Per the Comprehensive Land Use Plan	New & Existing	All Hazards	4	4-2, 4-3	Municipality likely through Emergency Manager and selected departments	Municipality and County	Medium	Budget	Ongoing
TMO-12	Review the Comprehensive Land Use Plan every five years to make sure it remains consistent with the changing goals of the community.	New & Existing	All Hazards	1, 3, 4	1-6, 1-8, 3-2, 4-4	Municipality likely through Town Board and selected committees	Municipality	Low	Budget	Ongoing



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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
	Per the Comprehensive Land Use Plan									
TMO-13	Create/update the Emergency Action Plans for all dams located within the municipality.	Existing	Flood	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 Low	FEMA HMA	DOF
TMO-14	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	DOF
TMO-15	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	DOF
TMO-16	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
TMO-17	Gather more information on the elevated	New & Existing	Flood	1, 5	1-4, 5-2	Municipality	Potentially the Town of	Low-Medium	Local budget	Short



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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
	groundwater occurring in Town and investigate possible actions to mitigate it.						Wilton			

Notes: Short term = 1 to 5 years. Long Term= 5 years or greater. OG = On going program. DOF = Depending on funding. PDM = Pre-Disaster Mitigation Grant Program.

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



G.) 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.

Hazard of Concern	Mitigation Type					
	1. Prevention	2. Property Protection	3. Public Education and Awareness	4. Natural Resource Protection	5. Emergency Services	6. Structural Projects
Earthquake	TMO-3, TMO-7, TMO-10, TMO-11, TMO-12, TMO-16	TMO-3, TMO-7, TMO-15	TMO-3, TMO-7	TMO-3, TMO-7	TMO-3, TMO-5, TMO-6, TMO-7, TMO-15	TMO-3, TMO-7
Flooding (riverine, flash, coastal and urban flooding)	TMO-2, TMO-3, TMO-4, TMO-7, TMO-9, TMO-10, TMO-11, TMO-12, TMO-13, TMO-16, TMO-17	TMO-1a and b, TMO-2, TMO-3, TMO-4, TMO-7, TMO-8, TMO-15	TMO-1a and b, TMO-2, TMO-3, TMO-4, TMO-7	TMO-3, TMO-7	TMO-2, TMO-3, TMO-5, TMO-6, TMO-7, TMO-13, TMO-15	TMO-3, TMO-7, TMO-14
Ground Failure	TMO-3, TMO-7, TMO-10, TMO-11, TMO-12, TMO-16	TMO-3, TMO-7, TMO-15	TMO-3, TMO-7	TMO-3, TMO-7	TMO-3, TMO-5, TMO-6, TMO-7, TMO-15	TMO-3, TMO-7
Severe Storms (windstorms, thunderstorms, hail, lightning and tornados)	TMO-2, TMO-3, TMO-4, TMO-7, TMO-9, TMO-10, TMO-11, TMO-12, TMO-16	TMO-1a and b, TMO-2, TMO-3, TMO-4, TMO-7, TMO-8, TMO-15	TMO-1a and b, TMO-2, TMO-3, TMO-4, TMO-7	TMO-3, TMO-7	TMO-2, TMO-3, TMO-5, TMO-6, TMO-7, TMO-15	TMO-3, TMO-7
Severe Winter Storm (heavy snow, blizzards, ice storms)	TMO-3, TMO-7, TMO-10, TMO-11, TMO-12, TMO-16	TMO-3, TMO-7, TMO-15	TMO-3, TMO-7	TMO-3, TMO-7	TMO-3, TMO-5, TMO-6, TMO-7, TMO-15	TMO-3, TMO-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.

H.) PRIORITIZATION OF MITIGATION INITIATIVES

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)
TMO-1a	8	H	H	Y	Y	N	M-H*
TMO-1b	8	H	H	Y	Y	N	M-H*
TMO-2	8	M	L	Y	N	Y	H
TMO-3	28	M	M	Y	N (Yes for 5 year update)	Y	H
TMO-4	11	L	L	Y	N	Y	H
TMO-5	5	M	L	Y	N	Y	M
TMO-6	35	M	L	Y	N	Y	H
TMO-7	28	H	L-M	Y	Dependant on specific initiative	Dependant on specific initiative	M-H (dependant)
TMO-8	4	M	M	Y	Dependant on specific initiative	Dependant on specific initiative	M
TMO-9	6	M	L	Y	N	Y	M
TMO-10	6	M	L	Y	N	Y	M
TMO-11	2	M	M	Y	N	Y	M
TMO-12	4	M	L	Y	N	Y	M
TMO-13	6	M	M-L	Y	Y	Y (local match)	M
TMO-14	3	M	M	Y	Y	Y (local match)	M
TMO-15	6	M	M	Y	Y	Y (local match)	M
TMO-16	5	M	M	Y	Y	Y (local match)	M
TMO-17	2	M	M-L	Y	Dependant on specific initiative	Y (local match)	M

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 FEMA and SEMO (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 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.

I.) FUTURE NEEDS TO BETTER UNDERSTAND RISK/VULNERABILITY

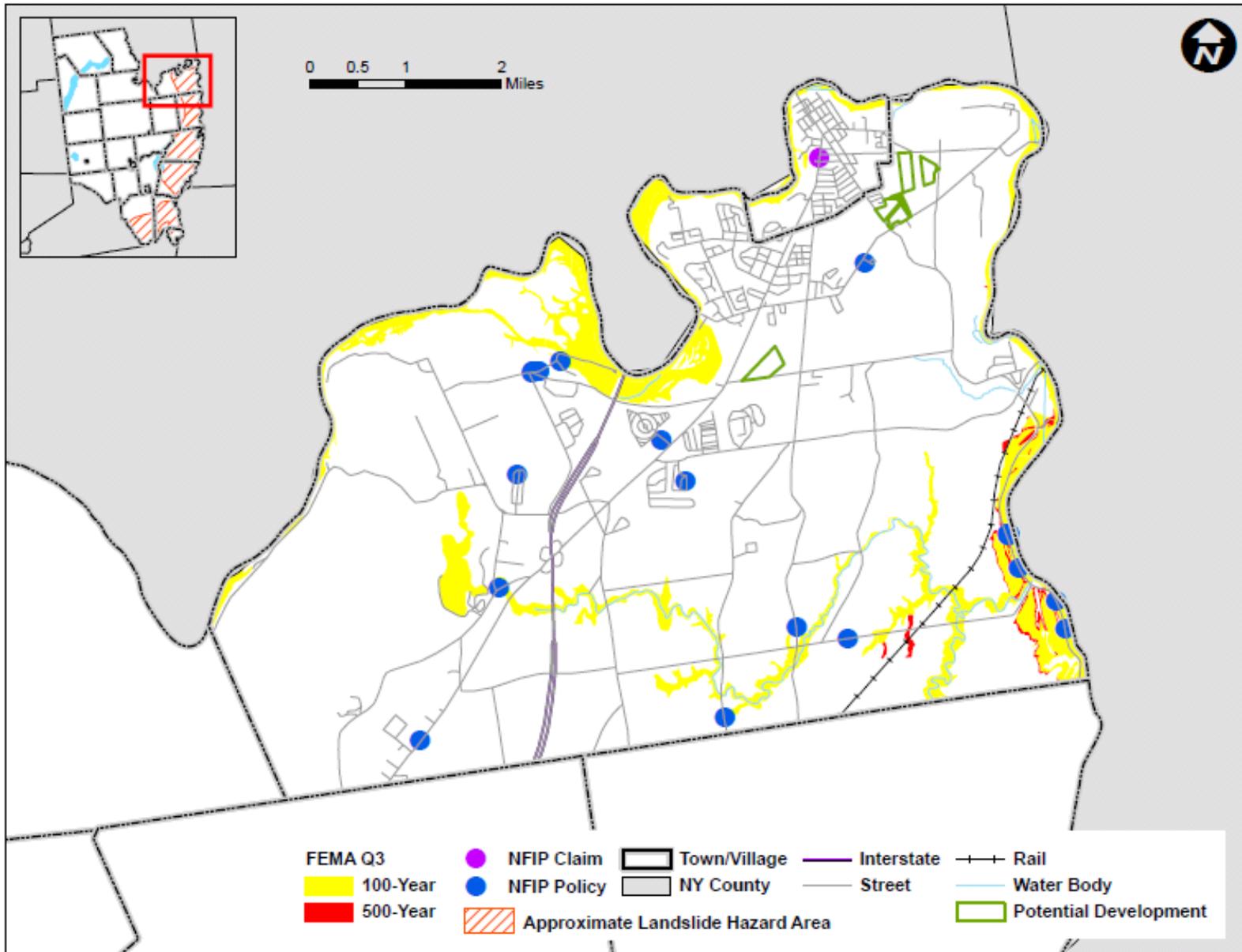
None at this time.

J.) HAZARD AREA EXTENT AND LOCATION

A hazard area extent and location map has been generated and is provided below for the Town of Moreau to illustrate the probable areas impacted within the Town. This map is based on the best available data at the time of the preparation of this Plan, and is considered to be adequate for planning purposes. Maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the Town of Moreau has significant exposure. The County maps are provided in the hazard profiles within Section 5.4, Volume I of this Plan.

K.) ADDITIONAL COMMENTS

No additional comments at this time.



Sources: FEMA Q3; FEMA Region II, 2008; HAZUS-MH MR3; NYSDPC, 2008

Notes: NFIP = National Flood Insurance Program

The entire municipality is vulnerable to the following hazards: earthquake, severe storm, and severe winter storm.