

9.1 COUNTY OF SARATOGA

This section presents the jurisdictional annex for the County of Saratoga.

A.) HAZARD MITIGATION PLAN POINT OF CONTACT

Primary Point of Contact	Alternate Point of Contact
Paul Lent Saratoga Office of Emergency Services 25 West High Street, Ballston Spa, NY 12020 (518) 885-2232 plent@saratogacountyny.gov	Daniel Miller Saratoga Office of Emergency Services 25 West High Street, Ballston Spa, NY 12020 (518) 885-2243 dmiller@saratogacountyny.gov

B.) COUNTY PROFILE

Please refer to Section 4, Volume I of this Plan for details on Saratoga County's population, location, climate, history, growth and development.

C.) NATURAL HAZARD EVENT HISTORY SPECIFIC TO THE COUNTY

Please refer to the Previous Occurrences and Losses section within the hazard profiles located in Section 5.4, Volume I.

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	\$601,676,781 ^{c, e}	Rare	11	Low
1	Flood	\$308,315,000 ^{c, e}	Frequent	54	High
3	Ground Failure	Not available ^f	Occasional	24	Medium
2	Severe Storm	\$22,360,715 ^{c, d}	Frequent	51	High
1	Severe Winter Storm	\$757,984,300 ^{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 (RSMMeans 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. Nearly 7% of the County'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.

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		N	Y	N	Regulated at local and state levels
2) Zoning Ordinance		N	N	N	Regulated at local level
3) Subdivision Ordinance		N	N	N	Regulated at local level
4) NFIP Protection Ordinance		Y	Y	Y	Regulated at local level
5) Growth Management		N	N	N	Regulated at the local level
6) Floodplain Management / Basin Plan		Y	Y	N	Soil and Water has prepared stream management plans for some communities?
7) Stormwater Management Plan/Ordinance		N	Y	Y	Regulated at the local level
8) Comprehensive Plan / Master Plan		N	N	N	Regulated at the local level
9) Capital Improvements Plan		N	N	N	
10) Site Plan Review Requirements		Y	Y	N	Regulated at the local level
11) Habitat Conservation Plan					
12) Economic Development Plan		N	N	N	
13) Emergency Response Plan		N	Y	Y	
14) Shoreline Management Plan					

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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)
15) Post Disaster Recovery Plan		N	N	N	N/A
16) Post Disaster Recovery Ordinance		N	N	N	
17) Real Estate Disclosure req.					N/A
18) Other [Special Purpose Ordinances (i.e., critical or sensitive areas)]					Green Infrastructure Plan

Administrative and Technical Capability

Staff/ Personnel Resources	Available (Y or No)	Department/ Agency/Position
1) Planner(s) or Engineer(s) with knowledge of land development and land management practices	Y	County Planning
2) Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Highway and Buildings Departments
3) Planners or engineers with an understanding of natural hazards	Y	County Planning
4) Floodplain Administrator	Y	Local municipal designee
5) Surveyor(s)	Y	Highway Department
6) Personnel skilled or trained in "GIS" applications	Y	County Planning
7) Scientist familiar with natural hazards in Saratoga County.	Y	Saratoga County Soil Water Conservation District
8) Emergency Manager	Y	Emergency Services
9) Grant Writer(s)	N	Some grant writing is done at the department level, but the county does not have a grant writer
10) Staff with expertise or training in benefit/cost analysis	N	

Fiscal Capability

Financial Resources	Accessible or Eligible to use (Yes/No/Don't know)
1) Community development Block Grants (CDBG)	Have been used at the county level for economic development including direct loans to businesses and revolving loan program?
2) Capital Improvements Project Funding	Yes
3) Authority to Levy Taxes for specific purposes	Bonding
4) User fees for water, sewer, gas or electric service	Yes (Water and Sewer)
5) Impact Fees for homebuyers or developers of new development/homes	No
6) Incur debt through general obligation bonds	Have been used for construction of county buildings
7) Incur debt through special tax bonds	Yes
8) Incur debt through private activity bonds	No
9) Withhold public expenditures in hazard-prone areas	No
10) State sponsored grant programs such as FCAAP	Yes
11) Other	

Community Classifications

Program	Classification	Date Classified
Community Rating System (CRS)	N/A	-
Storm Ready	N/A	-
Firewise	N/A	-

Note: Higher classification applies to when subject property is located beyond 1,000 feet of a creditable fire hydrant and is within 5 road miles of a recognized Fire Station.
 N/A = Not applicable. - = Unavailable.

The above referenced classifications can be viewed as a gauge of this community’s capabilities in all phases of emergency management (preparedness, response, recovery and mitigation). These classifications are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS class applies to flood insurance. Classifications range on a scale of 1 to 10 with class one being the best possible classification, and class 10 representing no classification benefit. Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Fire Suppression Rating Schedule

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
SC-1 (see also SC-24 and 33-39)	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	County	Municipality or District the property is located; SEMO; FEMA	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Long-term DOF
SC-2 (see also SC-24 and 33-39)	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.	Existing	Flood, Severe Storm	1, 2, 3, 5	1-1, 1-2, 1-3, 2-2, 2-3, 2-4, 3-1, 3-5	County	Municipality or District the property is located; SEMO; FEMA	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Long-term DOF



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	Where relocation is determined to be a viable option, consider implementation of that action based on available funding.									
SC-3	Promote municipal participation in incentive-based programs such as CRS. Specifically, within the first year of Plan adoption, request FEMA to conduct a community informational workshop on the Community Rating System at a central location provided by the County. The County shall promote this workshop through established groups and forums including the Saratoga County Emergency Management Coordinators and the ongoing Saratoga County Hazard Mitigation Planning Committee.									
	See description above.	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)	County, SEMO, ISO, FEMA	Low - Medium	Local Budget	Short
SC-4	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
SC-5	Promote 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
SC-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 SEMO	County Emergency Management, SEMO	Low - Medium	Local Budget	Ongoing
SC-7	Implement proactive stream/drainage maintenance system to reduce flooding in	Existing	Flood, Severe Storm	1	1-2, 1-9	SWCD	Highway	Low-High	Various sources	On-going



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	hazard areas.									
SC-8	Provide backup power at critical facilities where necessary	Existing	All	1, 3	1-1, 3-4, 3-6	Emergency Services		Med	County, Homeland Security and other sources	On-going
SC-9	Enhance operations of Emergency Operations Center through technological upgrades, including improved communications systems	Existing	All	3	3-3, 3-4, 3-5	Emergency Services		Low-Medium	County, Homeland Security and other sources	On-going
SC-10 (see also SC-24 and 33-39)	Expand public education on ways to protect property before and during hazard events.	Existing	All	2	2-1, 2-2, 2-3, 2-4, 2-5	Emergency Services	Municipality	Low	County and other available sources	On-going
SC-11	Enhance emergency preparedness awareness by active participation in training exercises at both the county and local level	Existing	All	1-5	All	Emergency Services	NYSEMO, FEMA, Law Enforcement, Local Fire Districts, Health Department, RACES, Highway	Low	County, Homeland Security and other sources	On-going
SC-12 (see also SC-29 to 31)	Continue to provide tree trimming along roadways and implement tree trimming monitoring program.	Existing	Severe Storms, Severe Winter Storms	1	1-1, 1-3, 1-4	Highway	Emergency Services	Low	Local Funding	On-going
SC-13	Interagency cooperation with Public Health, DSS, Aging and other	Existing	All	1, 5	1-4, 5-2	Emergency Services	Public Health, DSS, Aging	Low	County and other available sources	On-going



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	agencies to identify vulnerable populations (elderly, homebound, homeless)									
SC-14	Develop a toolbox series on planning topics, model laws, and regulatory tools	New and Existing	All Hazards	1, 2	1-6, 2-5	County EDT&P	NYS DOS, NYS DEC, NYS OPRHP, NYS DHCR, Greenway and other agencies	Low - High	NYS DOS, NYS DHCR and other NYS and Federal sources	Short
SC-15	Assist local municipalities with training opportunities including workshops for municipal planning and zoning officials, FEMA benefit-cost analysis, egrant training, floodplain management and CRS workshops	New	All Hazards	5	5-2, 5-3	County EDT&P with support from NYS and other sources	NYS DOS, NYS DEC, NYPF, NYSFSMA and other agencies	Low - High	NYS and other sources	Short
SC-16	Encourage the incorporation of conservation subdivision principals into subdivision review	New	Flood, Ground Failure	1, 4	1-7, 1-8, 4-5	County EDT&P and county agency resources	NYS DOS, NYS DEC and other agencies; NYPF	Low	CWC Local Technical Assistance Grants, NYS DOS Planning Grants, Greenway and other NYS and Federal sources	Short
SC-17	Assist local municipalities in developing and updating site plan,	New	Flood, Ground Failure	4	4-4, 4-5	EDT&P can provide models and templates but	NYS DOS, NYS DEC and other agencies;	Low-Medium		Short



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	subdivision, and zoning laws with specific development standards and guidelines					it's up to the municipality to decide whether or not to adopt standards and guidelines	NYPF			
SC-18	Encourage municipalities to incorporate sound development principals when reviewing development proposals	New	All Hazards	4	4-4, 4-5	EDT&P can provide templates but it's up to the municipality to decide whether or not to adopt standards and guidelines	NYS DOS, NYS DEC and other agencies; NYPF	Low		Short
SC-19	Encourage towns and villages to adopt comprehensive plans and land use regulations to foster sound development principals	New	All Hazards	4	4-1, 4-2, 4-3, 4-4, 4-5	EDP&T and county agency resources	NYS DOS, and other agencies	Low - High	TBD	Short
SC-20	Create and maintain a natural resources inventory for Saratoga County	New and Existing	Flood, Ground Failure	1, 4	1-4, 4-4	TBD	NYS DOS, NYS DEC and other agencies	Low - High	TBD	Short
SC-21	Authorize the Saratoga County Planning Board to review subdivisions under NYS GML239	New	All	1-5	All					Short
SC-22	Undertake a countywide comprehensive plan	New and Existing	All	1-5	All		NYS DOS, NYS	Medium	NYS DHCR TA Grants, NYS DOS,	Long



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	that would gather input from individual municipalities and take into consideration existing local comprehensive plans and regulatory tools to implement sound development principals								Greenway and other sources	
SC-23	Work with existing agencies and organizations to develop open space strategies and conservation standards to be met by new development projects	New	Flood, Ground Failure	4	4-1, 4-2, 4-3, 4-4, 4-5	County Agency Resources	NYS DOS, NYS DEC and other agencies	Low - High	TBD	Short/Ongoing
SC-24	Conduct continued public and stakeholder outreach to promote awareness of this Plan and obtain ongoing public and stakeholder input. Specific activities shall include maintaining the public HMP website, media releases, maintaining copies of the plan in town halls, and may include public meetings including scheduling visits by FEMA to provide natural hazard mitigation information	Both	All	1, 5	1-4, 5-3	SC Emergency Services Office	Local OEMs and stakeholders	Low	County Operating Budget	Short



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	to the community with special attention to SRL RL properties in the Village of Waterford, the Town of Waterford, the Town of Stillwater, the City of Mechanicville, the Town of Halfmoon, the Town of Clifton Park and the Town of Charleton. This outreach will be supported by the Saratoga County Office of Emergency Services and implemented by the municipalities to support future applications for mitigation funding for RL and SRL properties.									
SC-25 (TMA-18)	Increase culvert size to decrease local flooding L.I.N. 271.00, County Road 63 (Malta Avenue) over the Kayaderosseras Creek, Town of Malta	Existing	Flood, Severe Storm	1, 3,	1-1, 1-9, 3-3 3-4	County	Municipality	Med	HMA grant County Capital Budget	Short
SC-26 (TG-23)	Increase culvert size to decrease local flooding L.I.N. 361.00, County Road 14 (Crooked Street) over Lake Butterfield Outlet, Town of	Existing	Flood, Severe Storm	1, 3,	1-1, 1-9, 3-3 3-4	County	Municipality	Med	HMA grant County Capital Budget	Short



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	Galway									
SC-27 (TCP-22)	Increase culvert size to decrease local flooding, L.I.N. 269.10, County Road 109 (Kinns Road) over Dwaas Kill, Town of Clifton Park.	Existing	Flood, Severe Storm	1, 3	1-1, 1-9, 3-3 3-4	County	Municipality	Med	HMA grant County Capital Budget	Short
SC-28 (CSS-22)	Increase culvert size to decrease local flooding, L.I. N. 287.10, County Road 23 (Brook Road) over Slade Creek, Saratoga Springs O. D.	Existing	Flood, Severe Storm	1, 3	1-1, 1-9, 3-3 3-4	County	Municipality	Med	HMA grant County Capital Budget	Short
SC-29 (TD-12) (TH-12)	Trim or remove trees that threaten power lines or vulnerable infrastructure to mitigate potential power outages or disruption of traffic on County Road 4 (North Shore Road), Hadley Hill Road to County Road 8, Towns of Day/Hadley (6.75 miles)	Existing	Flood, Severe Storm Severe Winter Storm	1, 3	1-1, 1-9, 3-4, 3-6	County	Municipality	Med	HMA grant County Capital Budget	Short
SC-30 (TE-12)	Trim or remove trees that threaten power lines or vulnerable infrastructure to mitigate potential power outages or disruption of traffic on County Road 7 (South Shore Road), County	Existing	Flood, Severe Storm Severe Winter Storm	1, 3	1-1, 1-9, 3-4, 3-6	County	Municipality	Med	HMA grant County Capital Budget	Short



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	Road 13 to County Road 98, Town of Edinburg (5.08 miles)									
SC-31 (TCR-15)	Trim or remove trees that threaten power lines or vulnerable infrastructure to mitigate potential power outages or disruption of traffic on County Road 10 (Corinth West Mountain Road), Hunt Lake Road to Davignon Road, Town of Corinth (3.54 miles)	Existing	Flood, Severe Storm, Severe Winter Storm	1, 3	1-1, 1-9, 3-4, 3-6	County	Municipality	Med	HMA grant, County Capital Budget	Short
SC-32 (VBS-14, TCR-16, VCR-14, TD-13, TE-13, TH-13, TN-12, TP-12, VRL-10, VSC-13, VSGF-12, VV-12, TWF-13)	Enhance the County/community resilience to severe storms (incl. severe winter storms) by joining the NOAA "Storm Ready" program and supporting communities in joining the "StormReady" program. Communities are better prepared to save lives from the onslaught of severe weather through advanced planning, education and awareness. Participation in the NOAA "StormReady"	NA	Severe Storm, Severe Winter Storm	1, 2, 3	1-7, 1-9, 2-2, 2-4, 2-5, 3-4	Saratoga County Office of Emergency Services		Low	Local Budget	Short



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	<p>program shall include providing information on the "StormReady" program, facilitating public outreach and awareness programs, and supporting community storm risk reduction activities as appropriate. Specific actions addressed by "StormReady" participation include establishing a 24 hour Warning Point, increase number of ways EOC receives NWS warnings, increase number of ways to disseminate warnings, monitoring hydrometeorological data, providing annual weather safety talks, train weather spotters, create a formal hazardous weather plan, host annual visits by NWS to communities, etc.</p>									
SC-33	<p>Schedule visits by FEMA to provide natural hazard mitigation information to the community with special attention to SRL property on</p>	New & Existing	Flood, Severe Storm	1, 2, 3, 5	1-1, 1-2, 1-3, 2-2, 2-3, 2-4, 3-1, 3-5	Municipal Engineering (NFIP Floodplain Administrator)	NYSEMO Saratoga County Office of Emergency Services	Low	Municipal Budget	Short



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	Front Street and RL properties on Front, First, South, and Vale Streets in the Village of Waterford. This outreach will be supported by the Saratoga County Office of Emergency Services and implemented by the Village to support future applications for mitigation funding for RL and SRL properties.									
SC-34	Schedule visits by FEMA to provide information to the community with special attention to SRL property on Kelts Grove and RL properties on Kelts Grove, Mohawk Avenue, and O'Conner Drive in the Town of Waterford. This outreach will be supported by the Saratoga County Office of Emergency Services and implemented by the	New & Existing	Flood, Severe Storm	1, 2, 3, 5	1-1, 1-2, 1-3, 2-2, 2-3, 2-4, 3-1, 3-5	Municipal Engineering (NFIP Floodplain Administrator)	NYSEMO Saratoga County Office of Emergency Services	Low	Municipal Budget	Short



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	Town to support future applications for mitigation funding for RL and SRL properties.									
SC-35	Schedule visits by FEMA to provide information to the community with special attention to RL properties on RR #67 in the Town of Stillwater. This outreach will be supported by the Saratoga County Office of Emergency Services and implemented by the Town to support future applications for mitigation funding for RL properties.	New & Existing	Flood, Severe Storm	1, 2, 3, 5	1-1, 1-2, 1-3, 2-2, 2-3, 2-4, 3-1, 3-5	Municipal Engineering (NFIP Floodplain Administrator)	NYSEMO Saratoga County Office of Emergency Services	Low	Municipal Budget	Short
SC-36	Schedule visits by FEMA to provide information to the community with special attention to RL properties on Route 4 in the City of Mechanicville. This outreach will be supported by the Saratoga County	New & Existing	Flood, Severe Storm	1, 2, 3, 5	1-1, 1-2, 1-3, 2-2, 2-3, 2-4, 3-1, 3-5	Municipal Engineering (NFIP Floodplain Administrator)	NYSEMO Saratoga County Office of Emergency Services	Low	Municipal Budget	Short



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	Office of Emergency Services and implemented by the City to support future applications for mitigation funding for RL properties.									
SC-37	Schedule visits by FEMA to provide information to the community with special attention to RL properties on Beach Road in the Town of Halfmoon. This outreach will be supported by the Saratoga County Office of Emergency Services and implemented by the Town to support future applications for mitigation funding for RL properties.	New & Existing	Flood, Severe Storm	1, 2, 3, 5	1-1, 1-2, 1-3, 2-2, 2-3, 2-4, 3-1, 3-5	Municipal Engineering (NFIP Floodplain Administrator)	NYSEMO Saratoga County Office of Emergency Services	Low	Municipal Budget	Short
SC-38	Schedule visits by FEMA to provide information to the community with special attention to RL properties on Riverview Road in the Town of Clifton	New & Existing	Flood, Severe Storm	1, 2, 3, 5	1-1, 1-2, 1-3, 2-2, 2-3, 2-4, 3-1, 3-5	Municipal Engineering (NFIP Floodplain Administrator)	NYSEMO Saratoga County Office of Emergency Services	Low	Municipal Budget	Short



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	Park. This outreach will be supported by the Saratoga County Office of Emergency Services and implemented by the Town to support future applications for mitigation funding for RL properties.									
SC-39	Schedule visits by FEMA to provide information to the community with special attention to RL properties on Stage Road in the Town of Charleton. This outreach will be supported by the Saratoga County Office of Emergency Services and implemented by the Town to support future applications for mitigation funding for RL properties.	New & Existing	Flood, Severe Storm	1, 2, 3, 5	1-1, 1-2, 1-3, 2-2, 2-3, 2-4, 3-1, 3-5	Municipal Engineering (NFIP Floodplain Administrator)	NYSEMO Saratoga County Office of Emergency Services	Low	Municipal Budget	Short

Note(s): 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 County 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	SC-4, 6, 19, 24	SC-4, 6, 8, 19	SC-4, 10	SC-4	SC-4, 8, 9, 11, 13	SC-4
Flooding (riverine, flash, coastal and urban flooding)	SC-1, 2, 4, 5, 6, 7, 16, 17, 18, 19, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 32, 33, 34, 35, 36, 37, 38, 39	SC-1, 2, 4, 5, 6, 7, 16, 17, 18, 19, 21, 22, 23	SC-1, 2, 4, 10	SC-4, 14, 15, 16, 17, 18, 19, 21, 22, 23	SC-4, 6, 9, 11, 13, 25, 26, 27, 28, 29	SC-4, 25, 26, 27, 28, 29
Ground Failure	SC - 4, 6, 20, 23, 24	SC - 4, 6, 20, 23	SC 4 - 10	SC - 4, 14, 20, 23	SC- 4, 6, 9, 11, 13	SC - 4
Severe Storms (windstorms, thunderstorms, hail, lightning and tornados)	SC- 1, 2, 4, 6, 12, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39	SC- 1, 2, 4, 6	SC- 1, 2, 4, 10	SC-4	SC- 4, 6, 8, 9, 11, 13, 25, 26, 27, 28, 29, 30, 31	SC - 4, 25, 26, 27, 28, 29
Severe Winter Storm (heavy snow, blizzards, ice storms)	SC- 4, 6, 12, 24, 30, 31, 32	SC - 4, 6	SC- 4, 10	SC - 4	SC- 4, 6, 8, 9, 11, 13, 30, 31	SC - 4

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)
SC-1	8	H	H	Y	Y	N	M-H*
SC-2	8	H	H	Y	Y	N	M-H*
SC-3	8	M	L	Y	N	Y	H
SC-4	28	M	M	Y	N (Yes for 5 year update)	Y	H
SC-5	11	H	L	Y	N	Y	H
SC-6	5	M	L	Y	N	Y	H
SC-7	2	H	M	Y	N	N	M
SC-8	3	H	M	Y	N	N	M
SC-9	3	M	M	Y	Y	N	M
SC-10	5	L	L	Y	N	Y	H
SC-11	28	L	L	Y	N	Y	H
SC-12	3	L	L	Y	Y	Y	H
SC-13	5	L	L	Y	N	Y	M
SC-14	2	L	L	Y	N	N	L
SC-15	2	L	L	Y	N	N	L
SC-16	3	L	L	Y	Y	N	M
SC-17	3	L	L	Y	N	Y	H
SC-18	2	L	L	Y	N	Y	H
SC-19	5	L	L	Y	N	Y	H
SC-20	2	L	L	Y	N	Y	H
SC-21	28	L	L	Y	N	Y	H
SC-22	28	L	L	Y	Y	N	M
SC-23	5	L	L	Y	N	Y	H
SC-24	2	L	L	Y	N	Y	M
SC-25	4	M	M	Y	Y	Y	H
SC-26	4	M	M	Y	Y	Y	H
SC-27	4	M	M	Y	Y	Y	H
SC-28	4	M	M	Y	Y	Y	H
SC-29	4	M	M	Y	Y	Y	H
SC-30	4	L	L	Y	Y	Y	H

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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)
SC-31	4	L	L	Y	Y	Y	H
SC-32	6	L	L	Y	N	Y	H
SC-33	8	L	L	Y	N	Y	H
SC-34	8	L	L	Y	N	Y	H
SC-35	8	L	L	Y	N	Y	H
SC-36	8	L	L	Y	N	Y	H
SC-37	8	L	L	Y	N	Y	H
SC-38	8	L	L	Y	N	Y	H
SC-39	8	L	L	Y	N	Y	H

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: No

H.) FUTURE NEEDS TO BETTER UNDERSTAND RISK/VULNERABILITY

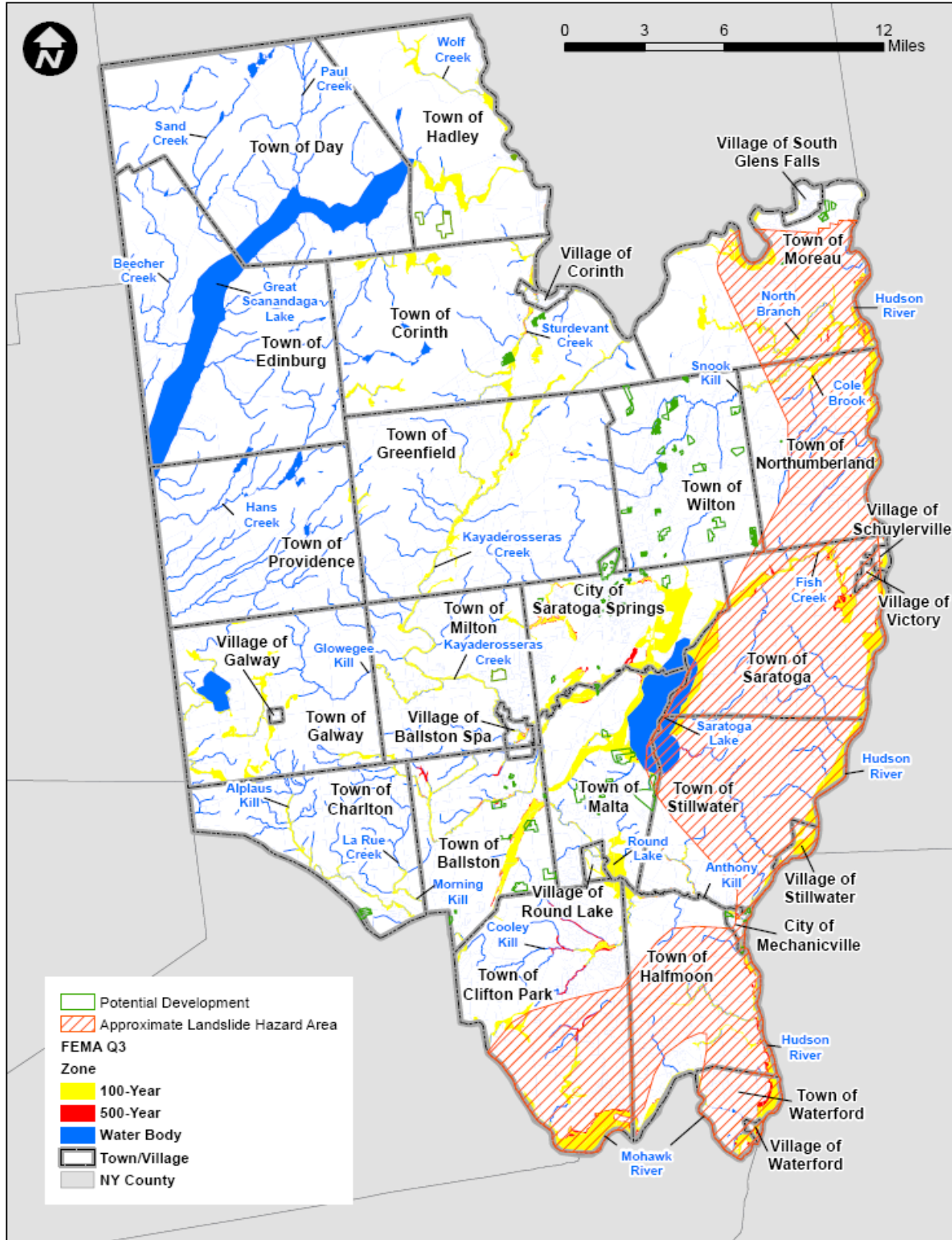
None identified at this time.

I.) ADDITIONAL COMMENTS

Hazard Area Extent and Location

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

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

Notes: NFIP = National Flood Insurance Program

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