

9.22 Town of Saratoga

This section presents the jurisdictional annex for the Town of Saratoga. Representatives from the Town of Saratoga did not provide any updates to this annex for the 2019 HMP Update. The population data was updated to be consistent with the rest of this plan.

9.22.1 Hazard Mitigation Plan Point of Contact

Primary Point of Contact	Alternate Point of Contact
Tom Wood – Supervisor 12 Spring Street; Schuylerville, NY 12871 518-695-3644	Sherry Doubleday 20 Chestnut Street; Schuylerville, NY 12871 518-378-2886 ema.saratoga@yahoo.com

9.22.2 Town Profile

Population

5,675 (American Community Survey 5-Year 2016 Estimates)

Location

The Town of Saratoga is centrally located along the eastern border of Saratoga County. It is bounded on the north by Wilton and Northumberland, on the east by the county line (the Hudson River), on the south by Stillwater, and on the west by Saratoga Springs and Malta, part of the two latter towns consisting of the water of Saratoga lake. The major village in the Town of Saratoga is Schuylerville which is often, but not officially, called Old Saratoga. Victory Mills is a suburb of Schuylerville, lying just south of the village. Coveville, Grangerville, Quaker Springs and Dean's Corners are hamlets. The town line is formed by the Hudson River and is the border of Washington County. Fish Creek, a tributary of the Hudson River, is the outflow of Saratoga Lake. US Route 4 follows the Hudson River along the eastern part of the town. New York State Route 29 (General Philip Schuyler Commemorative Highway) is an east-west highway, intersecting US-4 at Schuylerville. New York State Route 32 is a north-south highway partly conjoined with US-4 near Schuylerville.

According to the U.S. Census Bureau, the town has a total area of 42.9 square miles, with 40.7 square miles of it land and 2.2 square miles (5.22-percent) of it 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

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(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

Saratoga is the most historic town in Saratoga County. The town was first settled at the end of the 17th Century as "Fort Saratoga.". It soon became contested land between British and French colonial forces. It is best known as the location that British General John Burgoyne surrendered to American General Horatio Gates at the end of the Battles of Saratoga, often cited as the turning point for the United States during the American Revolutionary War. Much of the fighting took place in the Town of Stillwater to the south. The town was established on March 7, 1788 while still part of Albany County and became one of the original towns when Saratoga County was formed in 1791. The town lost some of its original territory by the formation of newer towns, and the incorporation of the city of Saratoga Springs in 1819. The first loss of territory was in 1789 to the Town of Easton (now in Washington County). Subsequently, parts of Saratoga were taken to form, all or part of the Towns of Greenfield (1793), Northumberland (1798), and Malta (1805). The Saratoga Race Course in the adjoining City of Saratoga Springs is the oldest operating sports venue in the country, but is often mistakenly associated to the Town of Saratoga.

Governing Body Format

The Town of Saratoga is governed by a supervisor and four town council members.

Growth/Development Trends

The 2002 Comprehensive Land Use Plan summarizes what each zoning district accommodates in terms of types of development. 'The Rural District 2 accommodates moderate density residential development in areas serviced by public sewer. The purpose of the Rural/Residential District is to accommodate low density residential development without compromising existing agricultural resources and areas exhibiting physical constraints to development. The Moderate Density Residential District accommodates moderate residential growth in areas relatively free from physical constraints and linked to services, facilities and employment opportunities by NY Route 29. The purpose of the Lake District is to insure the orderly development and redevelopment of seasonal and year-round dwelling units, and commercial and residential uses. The Industrial District's purpose is to accommodate new industrial land uses without compromising the essential rural/agricultural character of the community (Landscape Architecture and Engineering P.C., 2002).

According to the 2002 Comprehensive Land Use Plan, the district with the best potential for development of a light industrial zone is the 'Moderate Density District.' There is potential to expand the 'Village Extension District' along Burgoyne Road and Route 29 to encourage a greater variety of allowable uses in this area (Landscape Architecture and Engineering P.C., 2002).

9.22.3 Town-Specific Hazard Information

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Detailed hazard event histories can be found in the Previous Occurrences and Losses sections of each hazard profile in Section 5. Table 9.22-1 summarizes the Town of Saratoga’s ranking of the natural hazards based on probability of occurrence and impacts to the town.

Table 9.22-1 Town of Saratoga Hazard Ranking

Rank #	Hazard Type	Probability of Occurrence	Risk Ranking Score ^a	Hazard Ranking ^b
N/A	Drought	No information provided	No information provided	No information provided
4	Earthquake	Rare	11	Low
N/A	Extreme Temperature	No information provided	No information provided	No information provided
2	Flood (riverine, flash, coastal and urban flooding)	Frequent	51	High
3	Ground Failure	Occasional	24	Medium
N/A	Invasive Species	No information provided	No information provided	No information provided
2	Severe Storm (windstorms, thunderstorms, hail, lightning and tornados)	Frequent	51	High
1	Severe Winter Storm (heavy snow, blizzards, ice storms)	Frequent	54	High
N/A	Wildfire	No information provided	No information provided	No information provided

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

c. N/A = Not available. The Town of Saratoga did not rank the new hazards profiled in the 2019 HMP Update. The rankings in this table reflect the town’s ranking of the hazards in the previous HMP.

9.22.4 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 9.22-2 Legal and Regulatory Capability of the Town of Saratoga

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	NYS Building Code 2007
2) Zoning Ordinance	Y	N	N	N	Town of Saratoga's Zoning Regulations, adopted on December 17, 1981; amended 1992
3) Subdivision Ordinance	Y	N	N	N	Not provided
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	Not provided
7) Stormwater Management Plan/Ordinance	Y	N	Y	Y	Not provided
8) Comprehensive Plan / Master Plan/ General Plan	Y	N	N	N	2002 Comprehensive Land Use Plan
9) Capital Improvements Plan	Y	N	N	N	Not provided
10) Site Plan Review Requirements	Y	Y	Y	N	Not provided
11) Open Space Plan	Y	N	N	N	Not provided
12) Economic Development Plan	N	N	N	N	Not provided
13) Emergency Response Plan	Y	Y	Y	Y	Not provided
14) Post Disaster Recovery Plan	Y	N	N	N	Not provided
15) Post Disaster Recovery Ordinance	Y	N	N	N	Not provided
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	Not provided

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Administrative and Technical Capability

Table 9.22-3 Administrative and Technical Capability of the Town of Saratoga

Staff/ Personnel Resources	Available	Department/ Agency/Position
1) Planner(s) or Engineer(s) with knowledge of land development and land management practices	Y	Ken Martin, P.E.
2) Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Building Inspector – Gil Albart; Ken Martin, P.E.
3) Planners or engineers with an understanding of natural hazards	Y	C.T. Male LLC
4) Floodplain Administrator	Y	Gil Albert – Code Enforcement Officer
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 Saratoga.	N	Not provided
8) Emergency Manager	Y	Sherry Doubleday
9) Grant Writer(s)	N	Not provided
10) Staff with expertise or training in benefit/cost analysis	N	Not provided

Fiscal Capability

Table 9.22-4 Fiscal Capability of the Town of Saratoga

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	Water and Sewer
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	No
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	No
11) Other	Not provided

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Community Classifications

Table 9.22-5 Community Classifications of the Town of Saratoga

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/>.

9.22.5 Mitigation Strategy

Proposed Hazard Mitigation Initiatives

Table 9.22-6 Proposed Hazard Mitigation Initiatives of the Town of Saratoga

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
TS-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)	NYS DHSES, FEMA	High	FEMA Mitigation Grant Programs and local budget (or property owner) for cost share	Ongoing – Long-term depending on initiative

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
TS-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.	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	Ongoing – Long-term depending on initiative
TS-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)	NYS DHSES, ISO, FEMA	Low - Medium	Local Budget	Short Term
TS-3	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	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
TS-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)	NYS DHSES, ISO, FEMA	Low - Medium	Local Budget	Short Term
TS-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 NYS DHSES	County Emergency Management, NYS DHSES	Low - Medium	Local Budget	Long Term
TS-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, DPW and Roads	Surrounding municipalities and County	Low - Medium	Local Budget	Ongoing
TS-7	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
TS-8	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	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
TS-9	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
TS-10	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
TS-11	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	Ongoing

*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.

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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 9.22-7 Analysis of Mitigation Actions of the Town of Saratoga

Hazard of Concern	Type of Mitigation Action					
	Prevention	Property Protection	Public Education and Awareness	Natural Resource Protection	Emergency Services	Structural Projects
Drought	TS-3, TS-7, TS-11	TS-3, TS-7	TS-3, TS-7	TS-3, TS-7	TS-3, TS-5, TS-6, TS-7, TS-10	TS-3, TS-7
Earthquake	TS-3, TS-7, TS-11	TS-3, TS-7	TS-3, TS-7	TS-3, TS-7	TS-3, TS-5, TS-6, TS-7, TS-10	TS-3, TS-7
Extreme Temperatures	TS-3, TS-7, TS-11	TS-3, TS-7	TS-3, TS-7	TS-3, TS-7	TS-3, TS-5, TS-6, TS-7, TS-10	TS-3, TS-7
Flooding (riverine, flash, coastal and urban flooding)	TS-2, TS-3, TS-4, TS-7, TS-8, TS-11	TS-1a and b, TS-2, TS-3, TS-4, TS-7	TS-1a and b, TS-2, TS-3, TS-4, TS-7	TS-3, TS-7	TS-2, TS-3, TS-5, TS-6, TS-7, TS-8, TS-10	TS-3, TS-7, TS-9
Ground Failure	TS-3, TS-7, TS-11	TS-3, TS-7	TS-3, TS-7	TS-3, TS-7	TS-3, TS-5, TS-6, TS-7, TS-10	TS-3, TS-7
Invasive Species	TS-3, TS-7, TS-11	TS-3, TS-7	TS-3, TS-7	TS-3, TS-7	TS-3, TS-5, TS-6, TS-7, TS-10	TS-3, TS-7
Severe Storms (windstorms, thunderstorms, hail, lightning and tornados)	TS-2, TS-3, TS-4, TS-7, TS-8, TS-11	TS-1a and b, TS-2, TS-3, TS-4, TS-7	TS-1a and b, TS-2, TS-3, TS-4, TS-7	TS-3, TS-7	TS-2, TS-3, TS-5, TS-6, TS-7, TS-10	TS-3, TS-7
Severe Winter Storm (heavy snow, blizzards, ice storms)	TS-3, TS-7, TS-11	TS-3, TS-7	TS-3, TS-7	TS-3, TS-7	TS-3, TS-5, TS-6, TS-7, TS-10	TS-3, TS-7
Wildfire	TS-3, TS-7, TS-11	TS-3, TS-7	TS-3, TS-7	TS-3, TS-7	TS-3, TS-5, TS-6, TS-7, TS-10	TS-3, TS-7

Hazard of Concern	Type of Mitigation Action					
	Prevention	Property Protection	Public Education and Awareness	Natural Resource Protection	Emergency Services	Structural Projects

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.

Prioritization of Mitigation Initiatives

Table 9.22-8 Prioritization of Mitigation Initiatives of the Town of Saratoga

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)
TS-1a	8	H	H	Y	Y	N	M-H*
TS-1b	8	H	H	Y	Y	N	M-H*
TS-2	8	M	L	Y	N	Y	H
TS-3	28	M	M	Y	N (Yes for 5 year update)	Y	H
TS-4	11	L	L	Y	N	Y	H
TS-5	5	M	L	Y	N	Y	M
TS-6	35	M	L	Y	N	Y	H
TS-7	28	H	L-M	Y	Dependant on specific initiative	Dependant on specific initiative	M-H (dependant)
TS-8	6	M	M-L	Y	Y	Y (local match)	M
TS-9	3	M	M	Y	Y	Y (local match)	M
TS-10	6	M	M	Y	Y	Y (local match)	M
TS-11	6	M	M	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 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 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.

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- **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.

9.22.6 Future Needs to Better Understand Risk/Vulnerability

None at this time.

9.22.7 Additional Comments

No additional comments at this time.