

9.5 TOWN OF CLIFTON PARK

This section presents the jurisdictional annex for the Town of Clifton Park.

A.) HAZARD MITIGATION PLAN POINT OF CONTACT

Primary Point of Contact	Alternate Point of Contact
Mike Shahan, Town Administrator 1 Town Hall Plaza, Clifton Park, NY 12065 (518) 371-6651 administrator@CliftonPark.org	Lou Pasquarell, Safety Officer 1 Town Hall Plaza, Clifton Park, NY 12065 (518) 371-6651 LPasquarell@CliftonPark.org

B.) TOWN PROFILE

Population

36,322 (estimated 2007 U.S. Census)

Location

The present Town of Clifton Park is located in southern Saratoga County, bounded on the east by the Town of Halfmoon, on the north by the Towns of Ballston and the Town of Malta on the northwest by the Town of Ballston, on the southwest by the Town of Glenville (Schenectady County). The Town’s entire southern boundary is the Mohawk River. Across the Mohawk River to the south are the Towns of Niskayuna (Schenectady County) and Colonie (Albany County). The town is located approximately 12 miles (19 km) north of Albany and northeast of Schenectady, and 10 miles (16 km) south of Saratoga Springs. Interstate 87, The Northway, and US Route 9 pass through the eastern part of the town. New York State Route 146 is an east-west highway through most of the center of Clifton Park until it takes a 90 degree turn southward, passing east of the hamlet of Rexford and then crossing the Rexford bridge into the Town of Niskayuna in Schenectady County.

According to the U.S. Census Bureau, the town has a total area of 50.2 square miles, with 48.6 square miles of it land and 1.6 square miles (3.29-percent) of it is water.

Approximately 75 to 80-percent of the town is residential and 20 to 25-percent is commercial and corporate. Nearly 90 percent of the town's population resides in the eastern part of town, on half the town’s developable acreage, while the western part of town consists of primarily rural, agricultural and recreational lands.

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 of Clifton Park was formed in 1828, the twentieth and last town to be organized in Saratoga County. Prior to this date, Clifton Park had been included in the Town of Halfmoon, and prior to 1791, when Saratoga County was formed, it was considered part of Albany County. For four years, between 1816 and 1820, the area of present day Clifton Park was called Orange Township, but this name was dropped and the town reverted to Halfmoon again. On March 3, 1828, the Town of Clifton Park was born out of Halfmoon by an act of the legislature. In the following year, the official name was declared to be "Clifton Park".

The town originally consisted of farmland with a small village of homes, churches and businesses on what is now Rt. 9, but, when Interstate 87 was built through the town, the population and residential and commercial areas of the town skyrocketed. The most significant growth surge in the town took place from 1960-1990, during which time the town experienced a dramatic population increase.

Governing Body Format

Elected Town Supervisor and Town Council of four members.

Growth/Development Trends

According to the Town of Clifton Park’s Comprehensive Plan (amended 2006), the Town would like to continue to preserve the greatest extent of open space possible, while encouraging growth and development within the Town. In terms of residential development, the Town encourages cluster development, especially in the more rural sections of Town that remain undeveloped, in order to maximize open space. In regards to commercial growth, the Town continues to encourage development, especially in the technology area, within the Route 146 Corporate Commerce Zone. The Town will continue to support and utilize the Empire Zone Program to encourage desirable and managed growth in Town.

The Town hopes to focus business interests on the community commercial land use to the Exit 9, Route 9 and Route 146 corridor. ‘Higher intensity commercial development and redevelopment should take place within this established commercial core of the community. This corridor is identified as the principal commercial growth corridor in the Town due to land availability and infrastructure in place’ (Town of Clifton Park, 2006).

New Development/Potential Development in Municipality					
Property Name	Type Residential or Commercial	Number of Structures	Address	Block and Lot	Description/Status
Addison Estates	Residential		Addison Way and Clifton Park Center		39/41 Built
Southwick Meadows	Residential		VanVranken and Crescent Rd.		75/115 Built
Autumn Glen	Residential		Miller Rd.		16/17 Built
Boel Subdivision	Residential		1686 Crescent Rd.		1/33 Built
Chandler Estates	Residential		379 Ushers Rd.		7/9 Built
Carlson Farms	Residential		Carlson Way and Moe Rd.		5/35 Built
Bella Vista	Residential		685 Bruno Rd.		2/12 Built
Fairway Woods	Residential		MacElroy and 146A		53/101 Built

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New Development/Potential Development in Municipality					
Property Name	Type Residential or Commercial	Number of Structures	Address	Block and Lot	Description/Status
Prescott Court	Residential		869 Main St.		2/21 Built
Massaroni Subdivision	Residential		Tanner Rd.		3/6 Built
Oronacah Farms	Residential		387 Vischer Ferry Rd.		2/21 Built
Kain Subdivision	Residential		92 Longkill Rd.		18 Approved
Waite Meadows	Residential		626 Waite Rd.		33 Approved
Rolling Meadows	Residential		675 MacElroy Rd.		28 Approved
Brookhaven	Residential		1262 NYS 146		24 Approved
Parkland Development	Residential		1247 NYS 146		24 Duplex Approved
Abele	Residential		1562 Crescent Rd.		26 Proposed
Bentley	Residential		Wall St.		48/122 Occupied
Conifer	Residential		Waite Rd. and NYS 146		81 Approved
21 st Century	Residential		1315 NYS 146		51 Approved Townhomes

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
Extreme Cold	Not applicable	December, 1933	Not available
Extreme Cold	Not applicable	February, 1934	Not available
Extreme Cold	Not applicable	February, 1943	Not available
Extreme Cold	Not applicable	January, 1948	Not available
Extreme Cold	Not applicable	January, 1957	Not available
Snowstorm and Extreme Cold	Not applicable	February, 1961	\$81,000 (countywide)
Extreme Cold	Not applicable	December, 1969	Not available
Extreme Cold	Not applicable	January, 1970	Not available
Extreme Cold	Not applicable	January, 1971	Not available
Flood (Tropical Storm Agnes)	Not applicable	June, 1972	\$1,600,000 (countywide)
Extreme Cold	Not applicable	February, 1973	Not available
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)
Flood	Not applicable	May, 1984	\$2,400,000 (countywide)
Flood	Not applicable	March, 1986	\$1,400,000 (countywide)

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Type of Event	FEMA Disaster # (if applicable)	Date	Preliminary Damage Assessment
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); Vischer Ferry Road was washed out
Flood	Not applicable	April, 1996	\$40,000 (countywide)
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); road closures
Severe Storms and Flooding (Hurricane Floyd)	DR-1295	September, 1999	Not available
Flood	Not applicable	February, 2000	\$63,000 (countywide)
Snowstorm	Not applicable	April, 2000	Not available
Severe Storms	Not applicable	May/September, 2000	\$80,000 (countywide); road closures; power outages
Flood	Not applicable	December, 2000	\$190,000 (countywide)
Snowstorm	Not applicable	March, 2001	Not available
Thunderstorm / Winds	Not applicable	May, 2001	\$115,000 (Rexford); \$13,000 (Clifton Park)
Snowstorm	EM-3173	December 2002 / January 2003	Not available
Lightning	Not applicable	June, 2003	\$50,000 (townwide)
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	April, 2005	Road closures
Severe Storms and Flooding	Not applicable	June/July, 2006	Power outages; trapped residents from floodwaters
Flash Flood	Not applicable	July, 2006	Not available
Ice Storm	Not applicable	January, 2007	Power outages
Snowstorm (Valentine's Day Storm)	Not applicable	February, 2007	Not available

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Type of Event	FEMA Disaster # (if applicable)	Date	Preliminary Damage Assessment
Ice Jam	Not applicable	March, 2007	Not available

Number of FEMA Identified Repetitive Flood Loss Properties: 2
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 Losses to Structures Vulnerable to the Hazard ^{a,c}	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking ^b
4	Earthquake	\$113,062,174 ^{c,e}	Rare	11	Low
2	Flood (riverine, flash, coastal and urban flooding)	\$30,832,000 ^{c,e}	Frequent	51	High
3	Ground Failure	Not available ^f	Occasional	24	Medium
2	Severe Storm (windstorms, thunderstorms, hail, lightning and tornados)	\$4,805,764 ^{c,d}	Frequent	51	High
1	Severe Winter Storm (heavy snow, blizzards, ice storms)	\$142,747,050 ^{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 (RSMeans 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. 52.5% 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	Town Code – 73 Through 86 Building Construction Adopted: 3-6-89
2) Zoning Ordinance	Y	N	N	N	Town Code – 208 Adopted: 8-8-67 217 Adopted: 1-20-69 (And Subsequent Amendments)
3) Subdivision Ordinance	Y	N	N	N	Town Code – 179 Adopted: 1-17- 95
4) NFIP Flood Damage Prevention Ordinance (if you are in the NFIP, you must have this.)	Y	Y	Y	Y	Town Code – 119, Flood Damage Prevention Adopted: 7-17-95
5) Growth Management	Y	N	N	N	Town of Clifton Park Comprehensive Plan (Adopted 1995; Last amended 2006)
6) Floodplain Management / Basin Plan	Y	Y	Y	N	Town Code – 119, Flood Damage Prevention Adopted: 7-17-95 Town of Clifton Park Comprehensive Plan (Adopted 1995; Last amended 2006)
7) Stormwater Management Plan/Ordinance	Y	N	Y	Y	Town Code – 86-7, Storm Drainage Adopted: 4-6-98 by L.L. No. 2-1998
8) Comprehensive Plan / Master Plan/ General Plan	Y	N	N	N	Town of Clifton Park Comprehensive Plan (Adopted 1995; Last amended 2006)
9) Capital Improvements Plan	N	N	N	N	
10) Site Plan Review Requirements	Y	Y	Y	N	Town Code – 208-72 Adopted: 8-8- 67
11) Open Space Plan	Y	N	N	N	Town Board Resolution No. 115 of 2003, Open Space Plan Adopted: 5-19-2003
12) Economic Development Plan	N	N	N	N	
13) Emergency Response Plan	Y	N	Y	Y	NYS Executive Law Article 2-B & NYS Defense Emergency Art Sect 22
14) Post Disaster Recovery Plan	Y	N	N	N	Emergency Management Plan Section V
15) Post Disaster Recovery Ordinance	Y	N	N	N	As set forth in NYS Executive Law Section 28-A-6

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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)
16) Real Estate Disclosure req.	N	N	N	N	
17) Other [Special Purpose Ordinances (i.e., critical or sensitive areas)]	Y	Y	Y	N	Town floodplain management Regulations Town Code Ch 152 Nature Preserves Land Conservation District (LC Zone) Town Code Ch 208-69 Amended 4-6-1998 by L.L. No. 2- 1998 Town Code Ch 13 Environmental Conservation Commission Amended 4-6-1998 by L.L. No. 2- 1998 Town Code Ch 125 Conservation Easement Amended 12-1-2008 by L.L. No. 8-2008

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	Personnel in the Planning Department
2) Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Personnel in the Building Department
3) Planners or engineers with an understanding of natural hazards	Y	Director of Building Department
4) NFIP Floodplain Administrator (if you are in the NFIP, you must have one.)	Y	Steven Myers, Director of Building
5) Surveyor(s)	Y	Contract
6) Personnel skilled or trained in "GIS" applications	Y	Personnel in the Planning Department
7) Scientist familiar with natural hazards in the Town of Clifton Park.	N	
8) Emergency Manager	Y	Town Administrator
9) Grant Writer(s)	Y	Director of Community Development
10) Staff with expertise or training in benefit/cost analysis	Y	Comptroller

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	Yes, Open Space and Water Expansion
3) Authority to Levy Taxes for specific purposes	Yes, Annual Tax Levy for Budgetary Purposes
4) User fees for water, sewer, gas or electric service	Yes, Olde Nott Farm Sewer is user fees
5) Impact Fees for homebuyers or developers of new development/homes	Yes, The Town receives parkland fees at \$500 each new lot
6) Incur debt through general obligation bonds	Yes, Town has issued general obligation debt most recent 2003 & 2005
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 mitigation grant programs (e.g. NYSDEC, NYCDEP)	
11) Other	No

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	Time-line
TCP-0 SC-38	Schedule visits by FEMA to provide information to the community with special attention to RL properties on Riverview Road. 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
TCP-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
TCP-1b	Where appropriate, support purchase, or relocation of structures located in hazard-prone	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 (via NFIP Floodplain Administrator)	SEMO, FEMA	High	FEMA Mitigation Grant Programs and	Long-term DOF

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	Time-line
	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.								local budget (or property owner) for cost share	
TCP-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
TCP-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
TCP-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
TCP-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
TCP-6	Create/enhance/ maintain mutual aid agreements	New & Existing	All Hazards	3, 5	3-4, 5-1, 5-3	Local Emergency	Surrounding municipalities	Low - Medium	Local Budget	Ongoing

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	Time-line
	with neighboring communities as well as County and State organizations such as New York State Police and Saratoga County Sheriff's Department to improve police protection.					Management, DPW and Roads	and County			
TCP-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
TCP-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	DOF
TCP-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	DOF
TCP-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	DOF
TCP-11	Create a mitigation support fund to provide	New & Existing	All Hazards	1, 2, 3, 5	1-3, 1-9, 2-5, 3-1, 5-2	Municipality		Medium	Operating budget	Short

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	Time-line
	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									
TCP-12	Increase public education/public participation on hazards of concern	NA	All Hazards	2, 5	2-1, 2-2, 2-3, 2-4, 2-5, 5-3	Municipality	FEMA	Dependant on initiative	FEMA HMA; Local match	Short
TCP-13	To prevent stormwater handling capacity and water quality from being diminished by future development, implement sound construction practices to control erosion and sedimentation of waterways and maintain existing drainage features.	New & Existing	Flood, Severe Storm	1, 4	1-6, 1-7, 1-8, 4-1, 4-2	Municipality		Low	Local	
TCP-14	Develop a town-wide stormwater management plan and establish responsibility for the operation and maintenance of existing stormwater management areas.	New & Existing	Flood, Severe Storm	1, 3	1-1, 1-5, 1-6, 3-1, 3-6	Municipality		Low – Medium	Local	
TCP-15	Maintain and support all stormwater management goals, regulations and laws as promulgated by the New York State Department of Environmental Conservation and the	New & Existing	Flood, Severe Storm	1, 3	1-1, 1-5, 1-6, 3-1, 3-6	Municipality	NYS	Low – Medium	Local	

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	Town of Clifton Park.									
TCP-16	To protect wetlands and stream corridors for their benefits to wildlife habitat, flood and stormwater control, groundwater protection, erosion control and recreation by expanding wetland mitigation options as fostered by the Environmental Conservation Commission and Army Corps of Engineers.	New & Existing	Flood, Severe Storm	1, 4	1-6, 4-1, 4-2, 4-4	Municipality	NYS DEC, USACE	Dependant on initiative	Local	
TCP-17	Supporting proper development practices within flood-prone areas as indicated in the Town's floodplain management regulations in order to protect wetlands and stream corridors for their benefits to wildlife habitat, flood and stormwater control, groundwater protection, erosion control and recreation.	New & Existing	Flood, Severe Storm	1, 4	1-3, 1-8, 4-1, 4-2, 4-3, 4-4, 4-5	Municipality		Low	Local	
TCP-18	Integrate more comprehensive oversight in the planning, construction and post-construction to ensure sound construction practices are used to control erosion and sedimentation of	New & Existing	Flood, Severe Storm	1, 4	1-3, 1-8, 4-2	Municipality		Low	Local	

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	Time-line
	waterways and minimize drainage and flooding issues with future development.									
TCP-19	<p>The Town of Clifton Park sewer department has a trailer generator and truck mounted generator that allows for mobile power to be provided during a disruption in a facility without a generator. However, these efforts are difficult during mass outages like the Storm of 2008. The Town would like to purchase back-up generators for all stations by 2013.</p> <ul style="list-style-type: none"> • Riverview Landings / Old Nott Farm (WWTP) • Riverview Landing / Old Nott Farm (Pump Station) • Wildflower Way Ct. (Pump Station) • Broadleaf Dr. (Pump Station) • Green Meadow Dr. (Pump Station) • Knollwood Drive (Pump station) • Maple Ridge Lane (Pump Station) • Denkers Drive (Pump Station) • Gretel Terrace (Pump Station) 	Existing	All Hazards	1, 3	1-1, 3-3, 3-4, 3-5, 3-6	Municipality	WWTP	Approx. \$35,000 each generator	FEMA EMPG; local match	Short

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TCP-20	Investigate and implement mitigation actions that would protect the Arongen Elementary School from the flood hazard. Based on the estimated flood modeling results from this Plan, the school may experience damages as a result of a 100- and/or 500-year flood event.	Existing	Flood, Severe Storm	1, 3	1-1, 3-4, 3-6	Municipality	School District	Low (Could be high once action is decided and implemented)	Local (FEMA HMA and local match for implementation of action)	
TCP-21	Discuss and support mitigation actions that would protect the NYS Power Authority (electric facility) from the flood hazard. The facility is located within the flood hazard area.	Existing	Flood, Severe Storm	1, 3	1-1, 3-4, 3-6	Municipality	NYS Power Authority	Low (Could be high once action is decided and implemented)	Local (FEMA HMA and local match for implementation of action)	
TCP-22 (SC-27)	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

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	TCP-3, TCP-7, TCP-11	TCP-3, TCP-7	TCP-3, TCP-7	TCP-3, TCP-7	TCP-3, TCP-5, TCP-6, TCP-7, TCP-10, TCP-19	TCP-3, TCP-7
Flooding (riverine, flash, coastal and urban flooding)	TCP-0, TCP-2, TCP-3, TCP-4, TCP-7, TCP-8, TCP-11, TCP-13, TCP-14, TCP-15, TCP-16, TCP-17, TCP-18, TCP-27	TCP-1a and b, TCP-2, TCP-3, TCP-4, TCP-7, TCP-20, TCP-21	TCP-1a and b, TCP-2, TCP-3, TCP-4, TCP-7	TCP-3, TCP-7, TCP-17, TCP-18	TCP-2, TCP-3, TCP-5, TCP-6, TCP-7, TCP-8, TCP-10, TCP-19, TCP-27	TCP-3, TCP-7, TCP-9, TCP-27
Ground Failure	TCP-3, TCP-7, TCP-11	TCP-3, TCP-7	TCP-3, TCP-7	TCP-3, TCP-7	TCP-3, TCP-5, TCP-6, TCP-7, TCP-10, TCP-19	TCP-3, TCP-7
Severe Storms (windstorms, thunderstorms, hail, lightning and tornados)	TCP-0, TCP-2, TCP-3, TCP-4, TCP-7, TCP-11, TCP-13, TCP-14, TCP-15, TCP-16, TCP-17, TCP-18, TCP-27	TCP-1a and b, TCP-2, TCP-3, TCP-4, TCP-7, TCP-20, TCP-21	TCP-1a and b, TCP-2, TCP-3, TCP-4, TCP-7	TCP-3, TCP-7, TCP-17, TCP-18	TCP-2, TCP-3, TCP-5, TCP-6, TCP-7, TCP-10, TCP-19, TCP-27	TCP-3, TCP-7, TCP-27
Severe Winter Storm (heavy snow, blizzards, ice storms)	TCP-3, TCP-7, TCP-11	TCP-3, TCP-7	TCP-3, TCP-7	TCP-3, TCP-7	TCP-3, TCP-5, TCP-6, TCP-7, TCP-10, TCP-19	TCP-3, TCP-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)
TCP-0	8	L	L	Y	N	Y	H
TCP-1a	8	H	H	Y	Y	N	M-H*
TCP-1b	8	H	H	Y	Y	N	M-H*
TCP-2	8	M	L	Y	N	Y	H
TCP-3	28	M	M	Y	N (Yes for 5 year update)	Y	H
TCP-4	11	L	L	Y	N	Y	H
TCP-5	5	M	L	Y	N	Y	M
TCP-6	35	M	L	Y	N	Y	H
TCP-7	28	H	L-M	Y	Dependant on specific initiative	Dependant on specific initiative	M-H (dependant)
TCP-8	6	M	M-L	Y	Y	Y (local match)	M
TCP-9	3	M	M	Y	Y	Y (local match)	M
TCP-10	6	M	M	Y	Y	Y (local match)	M
TCP-11	6	M	M	Y	N	Y	H
TCP-12	6	L	L	Y	Y	Y (local match)	M-L
TCP-13	5	M	L	Y	N	Y	M
TCP-14	5	M	L	Y	N	Y	M
TCP-15	5	M	L	Y	N	Y	M
TCP-16	4	M	L	Y	N	Y	M
TCP-17	7	M	L	Y	N	Y	M
TCP-18	3	M	L	Y	N	Y	M
TCP-19	5	M	M	Y	Y	Y (local match)	M
TCP-20	3	M-H	L	Y	Dependant on specific initiative	Dependant on specific initiative	M-H (dependant)
TCP-21	3	M-H	L	Y	Dependant on specific initiative	Dependant on specific initiative	M-H (dependant)
TCP-22	4	M	M	Y	Y	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

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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.

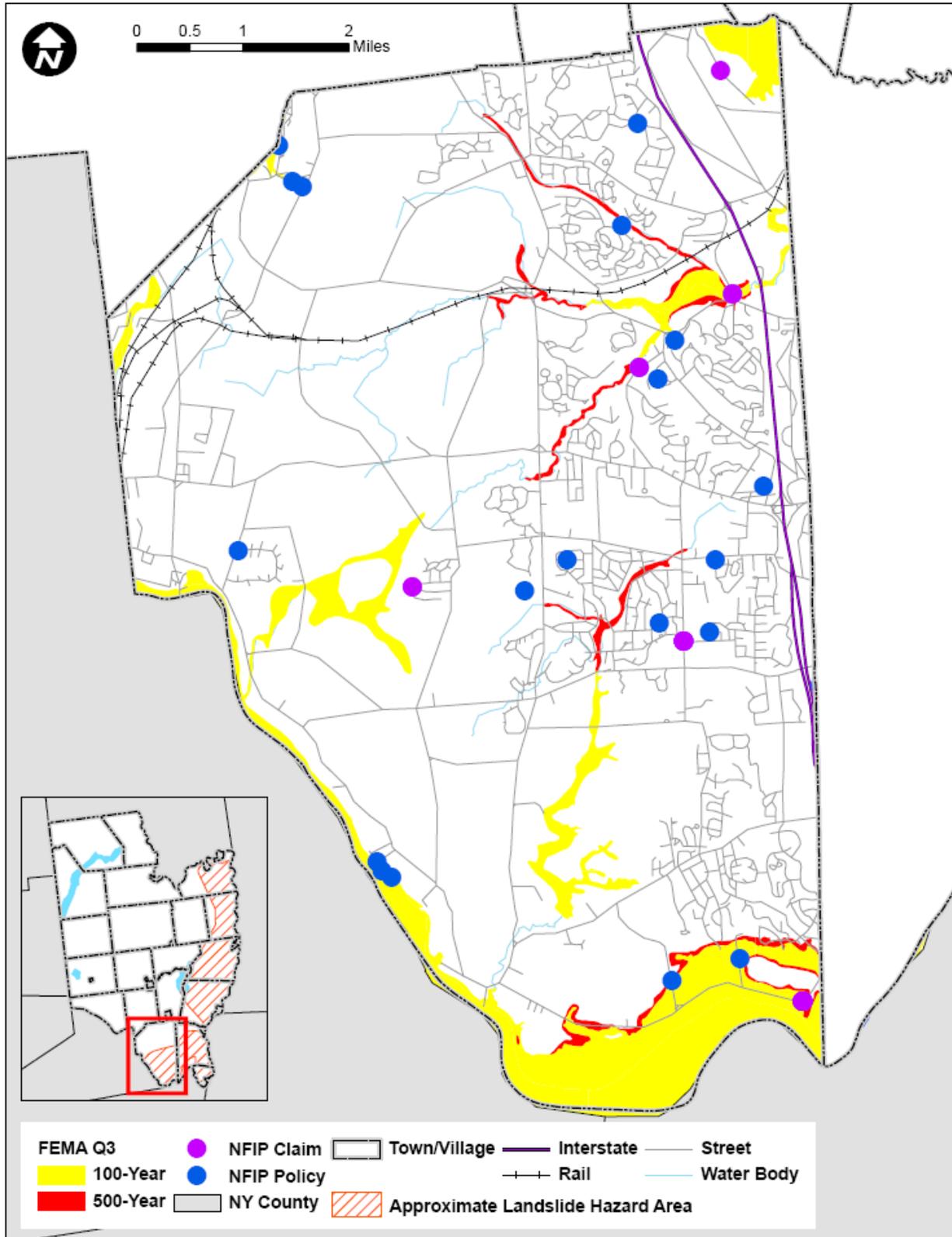
J.) HAZARD AREA EXTENT AND LOCATION

A hazard area extent and location map has been generated and is provided below for the Town of Clifton Park 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 Clifton Park 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.

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

Notes: NFIP = National Flood Insurance Program

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