

Town of Georgetown



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Background

The Town of Georgetown is a community of 974 residents located on the southern border of the county between the towns of DeRuyter and Lebanon. Seventy eight percent of the town’s population is between the ages of 18 and 65 with only eight percent of the population being over the age of 65. The town is currently comprised of approximately 20 square miles. The town has an equalized assessed value of approximately 88 million dollars spread across a variety of property classes. There are 315 housing units in the township, of which 108 are considered single family owner occupied homes. There is no commercial development taking place at this time. There is a shift in land use however from agricultural to residential. As fewer commercial agricultural operations remain in business, the land that was once farm land is being bought up and converted to residential housing.

MADISON COUNTY HAZARD MITIGATION PLAN 2016

Assets

- The town offices are located on Route 26 in the hamlet of Georgetown.
- The town highway barn is located at the same location as the town offices.
- The Georgetown Fire Department is located on Route 26 in the hamlet of Georgetown.

The Planning Process

The Town Board held a public meeting on 10/15/2013 to discuss the Hazard Mitigation Plan. Discussion involved the requirements of the plan the benefits of the plan and with whom to work in the development of the plan. A second meeting with the Town Board as held on 2/17/2015 to discuss areas of concern in the town and potential mitigation projects.

Hazards

As part of the Madison County Comprehensive Emergency Management Plan, a Hazard Analysis was conducted using the HAZNY program with data supplied by the National Oceanic & Atmospheric Administration, and ESRI Hazards data. This HAZNY analysis identified Moderately High Danger in order from Severe Storms, Transportation Accidents, Winter Storms, Fires, and HAZMAT (in Transit). The HAZNY analysis identified Moderately Low Danger in order from Ice Storm, Terrorism, Flood, Utility Failure, Water Supply Contamination, Tornado, Oil Spill, HAZMAT (Fixed Site), Ice Jam, Infestation, Radiological (Fixed Site), Extreme Temperatures, Epidemic, Drought, and Explosion. The Madison County Hazard Mitigation Plan is required by FEMA to address natural disasters. Sections of this plan have been written on a County-wide basis for Severe Storms, Transportation Accidents, Winter Storms, Fire, Ice Storm/ Utility Failure, Flood/ Hurricane, and Tornado. The following table is used to determine whether or not the local community's hazard danger differs from the County as a whole for natural disasters and a few chosen man-made disasters. The local community can also decide whether or not a section on a particular hazard should be written specifically for that municipality.

Hazard	Madison Co. Class.	Madison Co. Ranking	Town Of Georgetown Probability Greater (G), Lesser (L) About Equal (E)	Town of Georgetown Issues Beyond County-wide Plan Yes (y), No (n)
Severe Storms	Mod. High	312.2	E	N
Transportation Accidents	Mod. High	285.2	L	N
Winter Storms	Mod. High	272.2	E	Y
Fires	Mod. High	265.2	E	N
Ice Storms	Mod. Low	236.2	E	N
Flood	Mod. Low	222.8	E	Y
Utility Failure	Mod. Low	218.5	E	N
Tornado	Mod. Low	202.5	E	N
Ice Jam	Mod. Low	180.5	E	N
Infestation	Mod. Low	173.8	E	N

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Extreme Temperatures	Mod. Low	169.8	E	N
Epidemic	Mod. Low	164.2	L	N
Drought	Mod. Low	164.2	E	N
Wildfire	Low	160.5	G	Y
Wave Action	Low	159.5	L	N
Dam Failure	Low	159.2	L	N
Hurricane	Low	158.8	E	N
Earthquake	Low	150.5	E	N
Blight	Low	96.2	E	N
Landslide	Not Rated		L	N

Types of Mitigation Measures

This section is used to indicate the types of mitigation actions that already are in use in the Town of Georgetown. Minimize loss of property, risk of injury, damage to the environment, and loss of infrastructure from 500-year flooding events.

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.

	Buildin g Code	Density Control s	Design Review Standard s	Easement s	Environmenta l Review Standards	Flood plain Developmen t Regulations	Floodplai n zoning
Georgetow n Program	State BOCA Codes	No	Planning Board	Water Supply	SEQR for large subdivisions	Federal flood insurance rules apply	No

	Hillside Developme nt Regulations	Open Space Preservati on	Performan ce Standards	Streamban k Setback Regulatio ns	Specia l Use Permit s	Stormwate r Managemen t Regulations	Subdivision & Developme nt Regulations
State & Federal Programs Available for Ag	No	No	No	State Health Dept. Rules for septic	No	State Regs Apply	Yes

Property Protection - Actions that involve the modification of existing buildings or structures to protect them from a hazard, or removal from the hazard area.

	Acquisition of Hazard	Construction of Barriers	Elevation of	Relocation Out of	Structural Retrofits (e.g.
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	Prone Structures	Around Structures	Structures	Hazard Areas	floodproofing)
Georgetown Program	No	No	No	No	No

Public Education and Awareness - Actions to inform and educate citizens, elected officials, and property owners about the hazards and potential ways to mitigate them.

	Hazard Information Centers	Outreach Programs	Real Estate Disclosure	School-age and Adult Education Programs
Georgetown Program	No	Education of Elected to NIMS Standards	State Rules Apply	Fire Safety Education

Natural Resource Protection - Actions that, in addition to minimizing hazard losses, also preserve or restore the functions of natural systems.

	Best Management Practices	Forest & Vegetation Management	Sediment & Erosion Control Regulations	Stream Corridor Management	Stream Dumping Regulations	Urban Forestry & Landscape Management	Wetlands Development Regulations & Restoration	Watershed Management
Georgetown Program	Technical Assistance available through SWCD	Nys DEC 480A program available	State Regs for greater than 1 acre development	No	State Rules Apply	No	State & Federal Rules Apply	Chesapeake Bay Tributary Strategy

Emergency Services - Actions that protect people and property during and immediately after a disaster or hazard event.

	Critical Facilities Protection	Emergency Response Services	Hazard Threat Recognition	Hazard Warning Systems	Health & Safety Maintenance	Post Disaster Mitigation
Georgetown Program	No	Fire Police Ambulance	MSDS Sheets on File with Fire Department	911 Center Alert System	County Health Dept. Rules for minimum living standards and drinking water	Red Cross

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Structural Projects - Actions that involve the construction of structures to reduce the impact of a hazard.

	Channel Maintenance	Dams/ Reservoirs	Levees & Floodwalls	Safe Room/ Shelter
Georgetown Program	No	No	No	Red Cross Shelter

Incorporation of Hazard Mitigation Plan requirements into local planning mechanisms

The foregoing list of existing mitigation measures and the proposed mitigation actions that follow will be considered during the next rewrite of the Georgetown subdivision and development regulations.

Mitigation Actions by Hazard

A. Flooding

Mitigation Goals

Minimize loss of property, risk of injury, damage to the environment, and loss of infrastructure from 500 year flooding events.

Historical Events

January '96 Flood – This was a region wide event in which a warm rain fall melted an accumulated snowpack. It was believed to be comparable to the 50 year frequency storm of 4.9 inches in a 24 hour period.

May 2000 Flood Event – This spring runoff event was declared disaster FEMA 1335 DR NY

April 2-4, 2005 Severe Storms and Flood Event – This was declared disaster FEMA 1589 DR NY. Flooding was caused by a 1 to 4 inch rain in conjunction with snowmelt. Before this storm rivers and streams had high flows due to a previous rainstorm on March 28th.

Locations Subject to Hazard

1. Otselic Creek and State Route 26
2. Fireman's Field
3. Lebanon Road and Otselic River

Potential Losses

1. Otselic Creek and State Route 26 – Flooding at this location could lead to the closure of a State Highway until floodwaters recede.

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2. Fireman’s Field – Flooding here would lead to loss of the usage of this recreational facility during a flood event.

3. Lebanon Road and Otselic River – One residence at this location could be flooded and would suffer approximately \$1,000 in damages.

Mitigation Strategies

Project #	Project Name	Description	Lead Agency	Estimated Cost
T/Georgetown#1	Jones Road Culvert Repairs	Flooding of an unnamed tributary to the Middle Branch Tioughnioga Creek resulted in damages to Jones Road impeding access for residents. The project will include a culvert repair and improvement along the road.	Town of Georgetown	\$12,000
T/Georgetown#2	Bonney Road Culvert Repairs	Flooding of the Stone Mill Brook resulted in damages to the culvert on Bonney Road. The project will include the repair of this culvert.	Town of Georgetown	\$18,000

Prioritization

The STAPLEE process is the means by which proposed mitigation actions are prioritized for a community. The STAPLEE process utilizes the following criteria:

- **Social:** Will this action be acceptable to the community and individuals affected?
- **Technical:** Is the action a long term technically feasible solution with little or no secondary impacts?
- **Administrative:** Are the staff and funding available to implement and maintain the action?
NOTE: Inadequate resource did not eliminate consideration of an action.
- **Political:** Is the action supported by political leaders and the public?
- **Legal:** Does the municipality have the legal authority to implement the proposed action?
- **Economic:** Is this action a cost effective method for providing hazard mitigation and community benefits?
- **Environmental:** Is this action consistent with community environmental goals?

The following table uses the STAPLEE System to rate proposed mitigation actions.

+ 1 is Favorable, -1 is Unfavorable, N is Neutral or Not Applicable

A Score of 6-7 is a high priority, 3-5 is a medium priority, 2 or less is a low priority

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Proposed Mitigation Action								
	Soc	Tech	Admin	Polit	Legal	Econ	Enviro	Score
Jones Road Culvert Repairs	-1	+1	-1	+1	+1	+1	+1	5
Bonney Road Culvert Repairs	+1	+1	-1	+1	+1	+1	+1	5

Plan Monitoring and Update

The Madison County Office of Emergency Preparedness will be responsible for monitoring the status of the County Hazard Mitigation Plan and all of the subsections of the plan specific to local municipalities. During the first quarter of every calendar year, the Emergency Preparedness Director will (most likely by e-mail) contact the Town of Georgetown’s Highway Superintendent and submit a copy of the evaluation form. The Town’s Highway Superintendent will complete and return this form within 10 business days.

During the second quarter of the year, the County Emergency Preparedness Director, will prepare an annual summary report for progress in implementing the County Hazard Mitigation Plan. Included in this plan will be the following:

- A summary and analysis of all disasters that have struck Madison County during the previous calendar year,
- a gap analysis for the hazard mitigation plan for any disasters that occurred during the previous calendar year,
- a listing of funding opportunities made available from FEMA and SEMO during the 12 months prior to the annual summary report,
- a summary of the progress that has been made towards accomplishing mitigation measures during the previous calendar year,
- problems encountered in implementing the plan,
- And, recommendations for changes to the Hazard Mitigation plan.

A copy of this report will be sent to the Town’s Highway Superintendent and will be posted on the Madison County Website. Public Comment will be accepted based on review of these reports and the County’s Plan available on this web site.

Every five years after the plan receives its FEMA approval and adoption by the Town of Georgetown Board, the County Emergency Management Director will update the County Hazard Mitigation Plan and the Town of Georgetown annex based on reports supplied by the Town’s Highway Superintendent and other municipalities, as well as input from the public. This updated plan will be submitted to the Town of Georgetown for approval before being forwarded to FEMA.