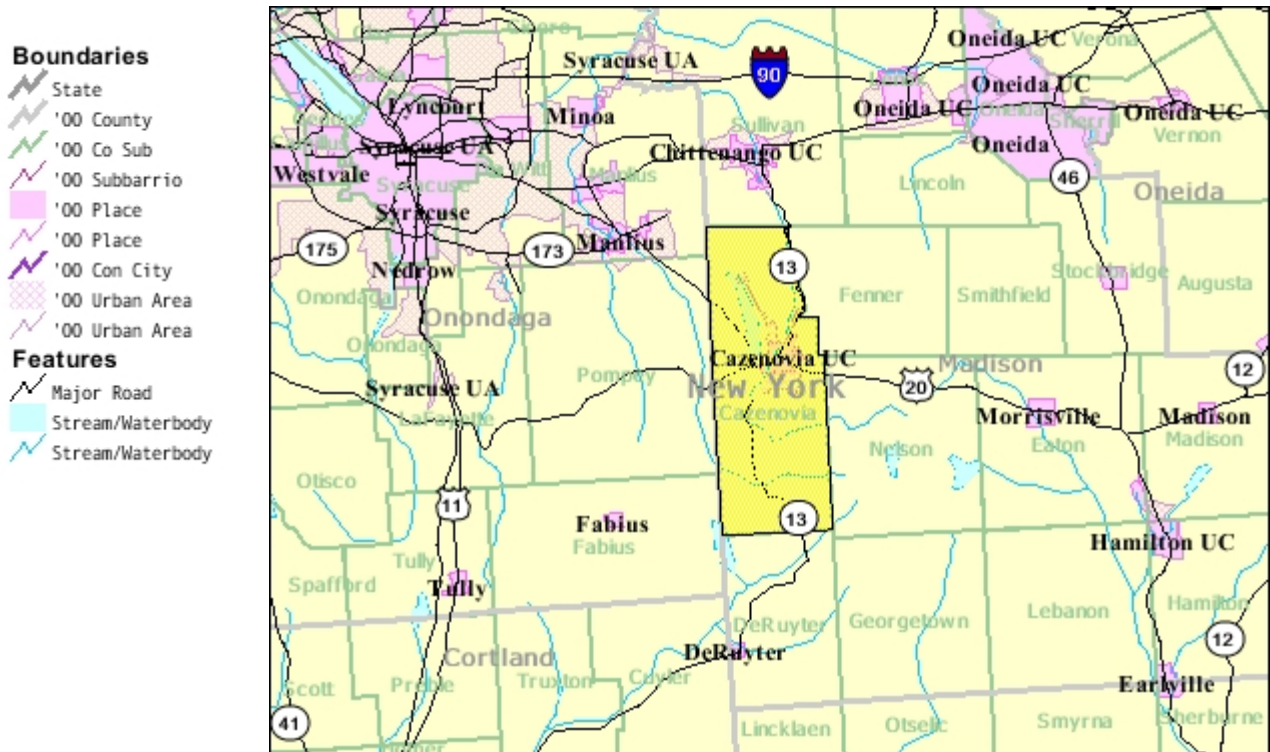


Town of Cazenovia



Contact	Title	Phone
Bill Zupan	Supervisor	(315) 655-9213
Connie Sunderman	Town Clerk	(315) 655-9213
Tim Hunt	Highway Superintendent	(315) 655-4852
Don Arnold	Fire Chief	(315) 655-2834

Background

The Town of Cazenovia is a community of 7,086 residents located on the western border of the county between the towns of DeRuyter and Sullivan. The Village of Cazenovia is located within the township but will be addressed in its own section of this plan. The town's population consists of 76% between the ages of 18 and 65 and 15% over the age of 65 (937 residents). The town comprises approximately 31 square miles, with an equalized assessed value of approximately 416 million dollars spread across various property classes. There are 2567 housing units in the township with 1453 of them being single family owner occupied homes. Most of the commercial development is taking place along Route 20 east of the Village of Cazenovia.

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Land Use and Development Trends

Building construction is occurring at a rate of around 22 houses per year.

Assets

The town offices are located on Albany Street in the Village of Cazenovia.

The Town highway barn is Located at 3425 Constine Bridge Road. This is a new building built in 2005 and has a back-up generation in case of a power failure. The Highway Department expects to begin construction on a sand and salt storage structure in 2007. The Highway Department has ten full-time employees and administers 61 miles of Town road and plows an additional 25 miles of County road in the winter.

The Cazenovia Police Department is located on Albany Street in the same building that houses the Village Office.

The Cazenovia Fire Department is located on Albany Street in the Village of Cazenovia.

CAVAC ambulance service is located on Route 20 in the village of Cazenovia.

The New Woodstock Fire Department is located on Route 13 in the Hamlet of New Woodstock.

The New York State Troopers have a trooper's barracks on Route 13 in New Woodstock.

The county landfill transfer station is located near the new highway barn on Constine Bridge Road.

The Cazenovia Central School located at 31 Emory Ave. This is the designated Red Cross emergency shelter for the community. This building has emergency backup power generation for lights and heat. It does not have an external hook-up for an additional generator. Capacity is for 330 people.

Madison County Landfill has a transfer station for refuse next to the Town Highway garage on Constine Bridge Road.

Local Organization and Regulations

The Town Board meets on the second Monday of each month.

There is a planning board and a zoning board already in place to review any new development proposed in the town.

The Zoning Board of Appeals meets monthly at the Town offices on Albany Street.

The Town has an active tree maintenance program.

The Town Highway Department will begin administering the water supply in 2006.

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The Planning Process

On 4/27/2015, Steve Lorraine, SWCD manager, met with Town of Cazenovia Highway Superintendent to update the plan, which incorporated information and projects listed within The NY Rising Communities Study.

Public Involvement

Two meetings were held at which members of the public were invited to provide input on the hazard mitigation planning process. These meetings were publicized in the Syracuse Post Standard, Oneida Daily Dispatch, Canastota Bee Journal, and Cazenovia Republican. No members of the public attended these meetings. One citizen did call Madison County Soil and Water Conservation District from the City of Oneida to express concerns about flooding there. As soon as the first draft of the entire plan for Madison County is finished, it will be posted on the Madison County website. All members of the public will be provided a means of providing input at that time.

Input from Neighboring Communities, Agencies, Businesses, Academia, Nonprofits and Other Parties

The following organizations will be contacted for comment on the Town of Cazenovia HMP:

- Cazenovia Area Planning Project
- Cazenovia College, Tim Carpenter, Head of Infrastructure
- Cazenovia Lake Association
- Cazenovia Preservation Foundation
- Cazenovia Area Community Development Association, Barbara Henderson
- Greater Cazenovia Area Chamber of Commerce, Karen Schai

Existing Plans, Studies, Reports, and Technical Information

Emergency Action Plan For The DeRuyter Dam on Limestone Creek in the County of Onondaga, New York State Department of Transportation Waterways Maintenance Division August 1990. This plan was considered in the writing of this report.

Flood Insurance Study Town of Cazenovia, New York Madison County, Federal Emergency Management Agency, December 19, 1984

Flood Insurance Study Village of Cazenovia, New York Madison County, Federal Emergency Management Agency, December 19, 1984

Town Zoning Ordinance is in effect.

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The Town of Cazenovia published a Comprehensive Plan in 1991. The Town of Cazenovia and Fenner, the Village of Cazenovia, and the Cazenovia School District have submitted a grant application to update this plan as a multi-jurisdictional plan.

The Village of Cazenovia has an Emergency Response Plan but the Town does not have one. At this time, the Town is considering working with the Village on an updated plan.

Cazenovia Area Planning Project published a plan for the area on 3/12/02.

A Morrisville State College environmental planning class is currently conducting a study of the Cazenovia area using an EPA model.

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 Cazenovia Probability Greater (G), Lesser (L) About Equal (E)	Town of Cazenovia Issues Beyond County-wide Plan Yes (y), No (n)
Severe Storms	Mod. High	312.2	E	N
Trans Accidents	Mod. High	285.2	E	N
Winter Storms	Mod. High	272.2	E	Y
Fires	Mod. High	265.2	H	Y
Ice Storms	Mod. Low	236.2	E	N
Flood	Mod. Low	222.8	L	Y
Utility Failure	Mod. Low	218.5	L	Y
Tornado	Mod. Low	202.5	E	N
Ice Jam	Mod. Low	180.5	L	N
Infestation	Mod. Low	173.8	E	N
Extreme Temps	Mod. Low	169.8	E	N

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Epidemic	Mod. Low	164.2	E	N
Drought	Mod. Low	164.2	E	N
Wildfire	Low	160.5	L	N
Wave Action	Low	159.5	L	N
Dam Failure	Low	159.2	H	Y
Hurricane	Low	158.8	E	N
Earthquake	Low	150.5	E	N
Blight	Low	96.2	L	N
Landslide	Not Rated		H	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 Cazenovia. Appendix D of this plan can be used as a guide as to what mitigation actions can mitigate different hazards.

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.

	Building Code	Density Controls	Design Review Standards	Easements	Environmental Review Standards	Flood plain Development Regulations	Floodplain zoning
Cazenovia Program	State BOCA Codes	Part of Zoning	State Health Codes Fire Codes	Caz. Preserv. Foundation for open space Local Gov. for Water, Sewer, & Utility	SEQR for major subdivisions Critical Environmental Area 500' around Caz. Lake	Federal Flood Insurance Rules apply	No

	Hillside Development Regulations	Open Space Preservation	Performance Standards	Streambank Setback Regulations	Special Use Permits	Stormwater Management Regulations	Subdivision & Development Regulations
State & Federal Programs Available for Ag/ 1 active application	No	Cazenovia Preservation Association	Time Limit on Permits	State Health rules for septic systems	Zoning Board of Appeals	State Regs Apply	Yes

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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 Prone Structures	Construction of Barriers Around Structures	Elevation of Structures	Relocation Out of Hazard Areas	Structural Retrofits (e.g.floodproofing)
Cazenovia 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
Cazenovia Program	No	Education of Elected to NIMS Standards	State Rules Apply	Fire Safety Education Headstart

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	Lake Corridor Management	Stream Dumping Regulations	Urban Forestry & Landscape Management	Wetlands Development Regulations & Restoration	Watershed Management
Cazenovia Program	Technical Assistance from County SWCD; Region 7 Stormwater Working Group	Cazenovia Preservation Foundation has Forest Management Plans on larger parcels	State Regs for greater than 1 acre development; Town Impervious Surface Regulations	Critical Environmental Area 500 feet around lake shore	State Rules Apply	Site Plan Reviews by Planning Board	State & Federal Rules Apply	Oneida Lake Program; Cazenovia Lake Management Plan needs update

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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
Cazenovia Program	Fire Department; Senior Housing?	Caz. Fire Dept. CAVAC Caz. Police State Police County Sheriff	MSDS Sheets on File with Fire Department	911 Center Alert System: Fire Department Siren	County Health Department Plan	Red Cross

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
Cazenovia Program	No	State Dam at DeRuyter Reservoir; State Canal Authority controls Cazenovia Lake elevation	Levee in Village between Chittenango Creek and Carpenter's Pond	Red Cross Shelter at Cazenovia School

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 writing of the Town of Cazenovia Comprehensive Plan.

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

April 3&4, 2005 – This was a spring runoff event that was accompanied by a rainstorm. Washouts occurred on a number of different roads in the Town of Cazenovia.

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August 2003 - The Madison County Sewer District recorded 4.5 inches of rain in a 1 hour period during this thunderstorm event that affected the western part of Madison County. Damage was particularly severe to road culverts under Pompey Hollow Road on the western edge of the Township.

April 2001 - This was a spring melt event and was not associated with a rainfall event.

Spring 2000 – This was presidential disaster FEMA 1335 DR-NY for storms that occurred between May 3 and June 30.

January '96 Flood – This was presidential disaster FEMA 1095 DR. This run-off event caused by rain and melting snow resulted in widespread flooding in the Town.

Potential Losses

According to the Madison County Assessment office records, the Town of Cazenovia has 444 parcels with at least some land in the 100 year flood plain, not including parcels in the Village of Cazenovia. An overlay of aerial photography, parcel boundaries and the 100 year flood plain was examined for the Town of Cazenovia. There are 17 parcels with houses in the flood plain in the immediate vicinity of Cazenovia Lake; flood levels here would be affected by the outlet structure controlled by the Canal Authority. The average value of the parcels with houses in the lake flood plain is \$443,000. If each of these lake area houses sustained an average of \$50,000 damage during a 100 year flood, total damage would be \$850,000. Another 13 parcels have structures in the flood plain outside of the lake watershed including 10 houses, 1 outbuilding, a dairy farm, and part of a lumber mill. The average value of the parcels with houses in the flood plain away from the lake is \$123,000. If each of these 13 parcels sustained \$20,000 damage during a 100 year flood, total damages outside of the lake watershed would be \$260,000.

Future Development in Hazard Area

There is no planned development in the floodplain in the Town of Cazenovia.

Mitigation Measures

Project #	Project Name	Description	Lead Agency	Estimated Cost
T/Cazenovia#1	Maple Road Reconstruction.	The project will involve the reconstruction of approximately 1,000 feet of Maple Road, from State Route 13 west to Lincklean Road.	Town of Cazenovia Highway	\$60,000
T/Cazenovia#2	Ridge Road Reconstruction.	The project will include flood and stormwater mitigation via the installation of storm sewer piping and culverts, and ditch stabilization	Town of Cazenovia Highway	\$108,937

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		near the entrance of Cazenovia lake at Ridge Road and Ten Eyck Avenue.		
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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

Proposed Mitigation Action								
	Soc	Tech	Admin	Polit	Legal	Econ	Enviro	Score
Maple Road Reconstruction	+1	-1	+1	+1	+1	+1	+1	5
Ridge Road Reconstruction	+1	-1	+1	+1	+1	+1	+1	5

Plan Monitoring and Update

The Madison County Office of Emergency Management 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 Management Director will (most likely by e-mail) contact the Town of Cazenovia 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.

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

- Summary and analysis of all disasters that have struck Madison County during the previous calendar year,
- Gap analysis for the hazard mitigation plan for any disasters that occurred during the previous calendar year,
- A list of funding opportunities made available from FEMA and SEMO during the twelve 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
- Recommended 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 Cazenovia Town Board, the County's Emergency Management Director will update the County Hazard Mitigation Plan and the Town of Cazenovia annex based on the reports supplied by the Cazenovia Town Highway Superintendent and other municipalities, as well as input from the public. This updated plan will be submitted to the Town of Cazenovia for approval before being forwarded to FEMA.