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*WARREN COUNTY  
PRE-DISASTER  
MULTIJURISDICTIONAL  
HAZARD MITIGATION PLAN*

Warren County  
1340 State Route 9  
Lake George, New York 12845

JUNE 2011

Prepared for the  
County of Warren Office of Emergency Services

by  
Friends of the North Country, Inc.  
1 Mill Street, PO Box 446  
Keeseville, NY 12944

**Warren County  
Pre-Disaster Multi-Jurisdictional  
Hazard Mitigation Plan**

**June 2011**

**Prepared for the County of Warren**

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1 Mill Street, P. O. Box 446

Keeseville, New York

518-834-9606

**WARREN COUNTY PRE-DISASTER MULTIJURISDICTIONAL HAZARD  
MITIGATION PLAN**

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## Executive Summary

The Draft Warren County Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan November 2009, (the Plan) is to be reviewed by NY State Emergency Management Office personnel.

All towns and villages within the county of Warren participated in the planning process and the review of the draft Plan. Copies of each jurisdiction's resolution of adoption of the Plan are to be attached at the end of the plan document, hard copy, as soon as they are available. Resolutions will be passed when notice is received of the FEMA "Approvable Plan" status.

Warren County Pre-Disaster Multi-Jurisdictional Hazard Mitigation Planning meeting attendees are listed in Appendix A documenting each jurisdiction's participation in the planning process. Invitees (*in totem*) to the meetings convened for the planning process are listed in Appendix A also. Memos and records of calls, follow up calls and other outreach is included in Appendix F. Individual municipality and cognizant municipal department responses, are included in Appendix C. Each municipality's awareness and involvement of the planning process, plan development and participation in the Plan is represented by the Municipal Response Summary Table in Appendix C. Further record of community involvement and participation is noted by records from the NY HAZNY meetings held in the county. (The NY HAZNY meetings were not limited in scope to the software provided, but included anecdotal input, comments and concerns from each jurisdiction; this provided an added dimension to pre-planning – all input was invited and noted in meeting minutes and later utilized to create the draft list of hazards as a point-of-beginning to initiate planning meetings – the draft hazard list is included in Appendix B.)

The Local Emergency Planning Committee (LEPC) led by the Emergency Services Director/Fire Coordinator and his deputy performed oversight for, and participated in, the planning process. Committee member attendees to the planning meetings are listed on the sign-in sheets. The LEPC primary role in the planning process was/is oversight and review of information gathering and upon NY SEMO and FEMA acceptance of the draft plan, will provide plan maintenance and update duties as noted in the Draft Plan.

Coordination with Agencies is noted in the plan citing (among other agencies) the Adirondack Park Agency (APA) role of land-use management for much of Warren County. The APA participated in the planning process and remains the cognizant authority for land use under its jurisdiction, as well as an active partner in development and maintenance of the Plan. (Local (municipal) Comprehensive and Consolidated plans remain the only other planning sources for land use and they are implemented in conjunction with local codes and zoning regulations. Municipalities are charged with the task of updating and maintaining their local Comprehensive and Consolidated plans for the purpose of Plan maintenance and future review when funding resources are available for such work.)



Development in areas outside of the APA is governed by each local jurisdiction and their planning and zoning requirements, as well as county, regional (APA), state (Departments of Transportation, Health, State, *et al.*) and federal regulations, such as flood zones regulations and guidelines.

The Warren County Multi-Jurisdictional Hazard Mitigation Plan is comprised of three main sections. Section I is the plan narrative. Within the narrative is a description of the hazard mitigation planning process including the participants, their involvement and a timetable of events. The Background portion of Section I provides an overview of Warren County: economy, population, land use, government. Risk assessment and hazard profiles follow in Section I and is based primarily on data provided by the LEPC, NOAA, NYS Hazard Mitigation Plan, and FEMA, as well as information provided by county, town and village historians, and other anecdotal information.

Mitigation Actions corresponding to hazards and vulnerabilities follow in Section I listing specific mitigation actions, responsible persons, tentative cost estimates and a time frame for the mitigation actions. The final portion of Section I details how and when the Plan will be monitored and maintained, including periodic updates. Lastly, the Plan incorporates several appendices (A-I) that provide documentation of participants and their roles, Plan development records, resources to be utilized and potential funding sources for implementation of future planning and mitigation actions.

Section II, the Jurisdictional Annex, provides background information for each of the thirteen jurisdictions in the county (the city of Glens Falls is grouped with the Town of Queensbury and the Village of Lake George is grouped with the Town of Lake George). Along with background data, each jurisdiction's piece provides at least one mitigation action plan including the specific location(s) and cost estimate(s). The Jurisdictional Annex includes critical facilities maps, floodplain maps, wildfire fuel analysis maps and flood loss estimates for each jurisdiction.

Section III documents the various methods used to elicit information from the jurisdictions in order to determine risks and vulnerabilities that would lead to appropriate hazard mitigation planning for Warren County and the jurisdictions therein.

**Warren County  
Pre-Disaster Multi-Jurisdictional  
Hazard Mitigation Plan**

**Draft  
November 2009  
Revised July 2010  
Revised September 2010**

**Prepared for the County of Warren and the  
Warren County Office of Emergency Services**

by  
Friends of the North Country, Inc.  
1 Mill Street, P. O. Box 446  
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The *Warren County Multi-Jurisdictional All Hazard Mitigation Plan* is prepared in response to The Disaster Mitigation Act of 2000 (DMA 2000). DMA 2000 (also known as Public Law 106-390) improves the disaster planning process by increasing hazard mitigation planning requirements for hazard events. DMA 2000 requires states and local governments to prepare hazard mitigation plans to document their hazard mitigation planning process and identify hazards, potential losses, and mitigation needs, goals, and strategies. This type of planning supplements already strong disaster response, recovery, and relief capabilities.

The *Warren County Multi-Jurisdictional Hazard Mitigation Plan* is being developed as part of an ongoing pre-disaster preparedness planning process in Warren County. The county has an Emergency Response Personnel (ERPC) team that is authorized to promote policies, programs and activities to reduce hazard risks in their area of responsibility. Examples of the above include:

- Encouraging municipalities to adopt comprehensive community development plans, zoning ordinances, subdivision regulations, emergency management plans, and building codes that factor in the potential significant local hazard threats in the County.
- Promoting compliance with, and enforcement of, existing laws, regulations and codes that are related to hazard risks, e.g. building and fire codes, flood plain regulations
- Encouraging and assisting water and wastewater treatment plants to replace chlorine use with a safer disinfectant
- Encouraging and participating in municipal stream channel maintenance programs
- Encouraging state and local DOT's to address dangerous conditions on roads used by hazardous materials carriers

In 2003 the county completed the *Warren County Comprehensive Emergency Management Plan*. While the *Comprehensive Emergency Management Plan* identified three phases of comprehensive emergency management (prevention, response, and recovery), its primary focus remains on response and recovery readiness. As part of the continuing effort to support communities by promoting secure working and living spaces, a healthy environment, and a vigorous economy, Warren County developed the *Warren County Multi-Jurisdictional Hazard Mitigation Plan* to purposely address hazard mitigation.

While the *Warren County Comprehensive Emergency Management Plan* focuses on emergency response in the event of a disaster and the county's HAZNY report helped to identify the immediate hazards that threaten its communities, the *Warren County Multi-Jurisdictional Hazard Mitigation Plan* (the Plan) provides the framework for the county,

and each jurisdiction, to implement actions to mitigate the most damaging impacts of the natural hazards which most threaten the communities based upon local hazard history and vulnerabilities therein. The Plan contains records of the planning process including the organizational process, the hazard risk assessment process, the hazard mitigation strategies developed, and how the county will maintain the Plan to ensure that it is periodically evaluated and updated, and that it is incorporated into, or considered when other planning mechanisms are in development.

Prior to beginning the Warren County Multi-Jurisdictional Hazard Mitigation Plan development process, Warren County Office of Emergency Services, with the assistance of NYS regional officials, County Fire, Police and Health services (Appendix B) conducted a hazard analysis for the county using the automated HAZNY (Hazard New York) program in June 2007. The HAZNY process established a relevant starting point for a detailed risk assessment; the HAZNY process also heightened awareness and understanding of hazard vulnerability within Warren County. In addition, local support for developing a plan to confront hazards *before* they strike was fostered. (Appendix B)

The County of Warren, eleven participating towns therein, and the City of Glens Falls and the Village of Lake George intend to implement the Plan by coordinating the efforts of all the partners (list). This collaboration will decrease the cost of plan development by each jurisdiction and the cost of implementation. During this process the County, Towns, City, and Village established partnerships and the rapport needed for mitigation planning and the mitigation actions to be taken within the County.

### **Participating Jurisdictions**

Town of Bolton	Town of Chester
Town of Hague	Town of Horicon
Town of Johnsbury	Town of Lake George
Town of Lake Luzerne	Town of Queensbury
Town of Stony Creek	Town of Thurman
Town of Warrensburg	City of Glens Falls
County of Warren	Village of Lake George

The local jurisdictions have the primary responsibility for the development and implementation of mitigation policies and strategies. However, several resources are available at the state and federal levels to assist the local governments in these endeavors. NYSEMO is the agency in New York State with planning assistance and guidance available to the local jurisdictions. FEMA provides grants, grant aids, planning tools and training in support of mitigation planning. The *Warren County Multi-Jurisdictional Hazard Mitigation Plan* was established according to the guidelines listed below.

### **Acts, laws, and guidance used to support plan development include:**

DMA 2000 (Public Law 106-390, October 10, 2000)

FEMA. 2004. "How-To Guide for Using HAZUS-MH for Risk Assessment." FEMA Document No. 433. February.

FEMA Mitigation Planning How-to Series (FEMA 386-1 through 4, 2002), available at:  
<http://www.fema.gov/fima/planhowto.shtm>.

SEMO Guidance (provided in 2003)

## **Planning Process**

The planning process and results are documented in the Plan. Warren County, the eleven Towns, City of Glens Falls and the Village of Lake George partnered in the process to accomplish the following:

- Establish a planning committee
- Identify hazards of concern
- Profile hazards of concern
- Estimate the risk of occurrence of hazards of concern
- Estimate potential losses for hazards of concern
- Develop mitigation strategies/goals/actions to reduce the effects of the hazards that impact the jurisdictions in the County
- Establish Plan Maintenance procedures to be used after adoption and approval of the Plan

## **Planning Meetings**

**Fall of 2008** - The Warren County Board of Supervisors through the Office of Emergency Services (OES) contracted with Friends of the North Country, Inc., (Friends) a non-profit community development agency, to assist the county in developing the Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan. The organizational meeting for the development of the Warren County Multi-Jurisdictional Hazard Mitigation Plan was held in October between the OES, NYS Emergency Management Office personnel, and Friends. The importance of public involvement in developing and gaining support for a meaningful plan was recognized. Public support for a project is best achieved by engaging them in the planning process from the beginning. Also, residents and officials in the local communities are the most knowledgeable about their locale and the hazards that have historically threatened or affected their communities. They are also most familiar with the specific locations/properties that are vulnerable. The public needs to be aware of potential hazards in their communities, so they can take measures themselves to protect their property.

Initially public participation was encouraged through public meetings and publicly posted notices. Public notices were issued in all the jurisdictions at the outset of the planning process to invite participation in the planning meetings and solicit public input. As the draft plan evolved the sections were made available to the Planning Committee (Appendix A).

In November 2008 an invitation was sent via direct mail (USPS) to every town and county jurisdiction political official, school administrators from every grade school as

well as college, volunteer fire/emergency personnel from each jurisdiction, law enforcement, utilities administrators, agencies and other key informants notifying them of the hazard mitigation planning process and regional meetings that were scheduled to explain the process, ask for their input, and answer questions. The general public was invited by way of public notices posted in all jurisdictions. State and regional transportation, land use management, utility, emergency representatives were invited to attend. (Appendix A) Included in the invitation was a request for the invitees to provide information regarding hazard risks, critical facilities and a hazards history specific to their jurisdiction by completing worksheets designed to elicit information prior to the meeting. In an effort to encourage attendance at the meetings, two informational meetings were held in mid-November (November 18, 2008) one at the Sheriff's Office Training Center in Lake George and the second at the Chestertown Town Hall. The Regional SEMO Director presented an overview of the process including the need for a hazard mitigation plan. The consultant discussed with participants the type of information needed to complete a meaningful plan and the importance of the towns and county agencies involving themselves in the process. Participants were encouraged to complete the three handouts (included in previous mailing) by listing critical facilities, hazard risks, and hazard histories. The consultant requested a list of projects from each jurisdiction that would promote disaster mitigation within their jurisdiction.

At the November 21, 2008 Warren County Board of Supervisors meeting the same forms with a cover letter of introduction to the project was distributed to all attendees. Follow up telephone calls to town supervisors and highway departments were made during the month of December (1-4) 2008 (Appendix F) culminating with the consultant attending the Warren County Board of Supervisors meeting on December 19<sup>th</sup> to reiterate the significant value of their input in the process. The suggestion was made that each town designate a contact person for the plan. The contact person continued to be the Town Supervisor. A separate request for information was mailed to the town historians (Appendix A) for anecdotal information on disasters with in their region. A follow up letter was sent to each supervisor requesting information be forwarded to the consultant.

A Planning Committee (Emergency Response and Preparedness Committee ERPC) was formed by the Office of Emergency Services early in December 2008. (Appendix A) This group functioned as a review panel, providing valuable insight with suggestions after reviewing sections of the draft plan as it became available. The Office of Emergency Services acted as the County Hazard Mitigation Coordinator. Contact between the Coordinator and the consultant was frequent, with the County Coordinator assisting with organizing meetings, data gathering and reviewing each portion of the draft plan. Contacts with Planning Committee members and continuous communication regarding each draft section, and any committee input came via this office to the consultant. Informal discussions via email/telephone were held between committee members with the Mitigation Coordinator acting as a conduit to the consultant. After reviewing the Plan, the Warren County Planning Board representative on the mitigation planning committee provided mapping suggestions and clarifications. Following receipt and review the draft plan in its entirety, the Committee met to formalize revisions to the Plan (October 16, 2009)

**ERPC COMMITTEE**

- EMS Coordinator/Coroner, Office of Emergency Services
- Director, Warren County Social Services
- Director/ Fire Coordinator, Office Of Emergency Services
- Bio Terrorism Coordinator, Warren County Public Health
- Chief Deputy, Warren County Sheriff's Office
- Director, American Red Cross
- GIS Coordinator, Planning Department
- Deputy Director, Office of Emergency Services
- City Engineer, City of Glens Falls
- Assistant Engineer, Warren County DPW

**Winter/Spring 2009** A second and third round of contact was made with each town supervisor and highway superintendent by telephone and/or email on January 13 and 27 2009. (Appendix F) Information was received by the consultant from every jurisdiction regarding public infrastructure that was thought to be particularly at risk of damage from hazard events; projects that would mitigate the effects of various hazards in their community.

The consultant met with the Public Works and Planning Department in March to reiterate the request for mitigation projects and local hazards information, and respond to questions raised by public officials, and/or the public. Questions from various officials were answered and the possibility of local site visits in various jurisdictions by the consultant was discussed. (Appendix F) Letters were sent on April 29, 2009 to town supervisors requesting that details of existing Town Plans be made available to the consultant for inclusion or reference in the Plan. Follow-up telephone calls were made to eleven towns on May 18, 2009.

Meetings between the consultant and town officials seeking supplemental information on existing management plans were held in five townships May 29; Thurman, Stony Creek, Warrensburg, Johnsburg, Horicon. (Appendix C).

**Planning Process Timeline**

Date	Event	Participants	Outcome/
June 2007	HAZNY Kickoff meeting	County Fire, Health, Emergency Services	HAZNY risk analysis, hazard awareness, 1 <sup>st</sup> step
October 2008	Organizational meeting	Office of Emergency Services, Consultant, SEMO representatives	Tentative timeframe, guidelines established
November 2008	Jurisdictional kickoff meetings	Government, business, school, fire officials, general public, SEMO, consultant (Appendix A)	Introduction to plan process, participation, information gathering
November	County Board of	Board of Supervisors,	Request for information,

2008	Supervisors Meeting	Consultant, general public	assistance from jurisdictions, answer questions
December 2008	Telephone calls/emails	Town supervisors(county board members), town highway supervisors	Information gathering
December 2008	County Board of Supervisors Meeting	Board of Supervisors, Consultant, general public	Information gathering, update of plan for jurisdictions
December 2008	Meeting	ERPC members, consultant, County Mitigation Coordinator	Beginning of ERPC information gathering, process update
December 2008	Mailings/telephone calls	Town/village historians	Information gathering
January 2009	Emails/telephone calls	Town Supervisors, Town Highway Superintendents	Information gathering, plan updates
March 2009	Public Safety/Planning Department meetings	Public Safety Committee members(town, county supervisors), general public, consultant	Plan updates, questions answered, information gathering, proposed visits to jurisdictions
April 2009	Mailing	Town supervisors	Requesting copies of existing jurisdiction Plans
May 2009	Telephone calls	Town supervisors	Follow up on mailing
May 2009	Jurisdiction Visits	Town officials	Review of Plan, information gathering
October 2009	Meeting	Mitigation Coordinator, ERPC, consultant	After reviewing Plan prior to meeting, participants make Plan adjustments
November 2009	1 <sup>st</sup> submission to SEMO	Mitigation Coordinator, ERPC, consultant	Participants make Plan adjustments
January 2010	Final submission to SEMO	Mitigation Coordinator, ERPC, consultant	Participants make Plan adjustments
June 2010	FEMA required revisions begin	Mitigation Coordinator, ERPC, consultant	Participants make Plan adjustments
July 2010	Continue revisions with email communication and ERPC, consultant meeting	Mitigation Coordinator, ERPC, consultant	Participants make Plan revisions
June/July 2010	Information gathering from jurisdictions by fax, telephone	Mitigation Coordinator, Town supervisors, consultant	Additions/revisions to Plan
July 13, 2010	ERPC meeting prioritize mitigation actions and review revisions to plan	ERPC members, consultant	Additions/revisions to Plan



All communication and correspondence issued by the consultant included language to encourage public input and included contact information for the hazard mitigation planning process project manager.

The *Warren County Multi-Jurisdictional Hazard Mitigation Plan* is developed with the best information available as provided from various local sources and as discovered by the consultant based upon referrals, SEMO/FEMA guides, and web-based materials. During the Plan development process every effort was made to gather information from town and county agencies, as well as federal and state agencies and the residents of Warren County. Section III of the Plan includes copies of the communications from the various agencies and individuals who provided input for the Plan.

Coordination with Agencies

Successful hazard mitigation planning depends on the ongoing participation of the public and engaging the specialized knowledge and technical expertise of various federal, state and local agencies and organizations. Below is a list of the agencies/organizations involved in the development of the *Warren County Multi-Jurisdictional Hazard Mitigation Plan*. Specific names of planning committee members, supervisors, meeting invitees/attendees, town historians are in Appendix A. These agencies were notified by mail of the development of the Plan and asked to participate in the planning process. In the monitoring and updating stages of the Plan these same agencies along with other entities will be integrated into the process.

Department/Agency	Participation
Director, Warren County Social Services	Planning committee , 1 <sup>st</sup> meeting
Office of Emergency Services	Co-ordination of Plan, Planning committee, County Plans, Contact lists, assistance
Warren County Bio-Terrorism Coordinator	1 <sup>st</sup> meeting, HAZNY Assessment, Planning committee
Warren County Public Health, Director	Planning committee, 1 <sup>st</sup> meeting
Director, Office of the Aging	1 <sup>st</sup> meeting
Warren County Sheriff's Office	Planning committee, HAZNY Assessment
Director, American Red Cross	Planning committee, HAZNY Assessment, 1 <sup>st</sup> meeting
GIS Coordinator, Warren County Planning	Planning committee, data, 1 <sup>st</sup> meeting
City Engineer, City of Glens Falls	Planning committee, 1 <sup>st</sup> meeting
Soil & Conservation Manager	Informed of planning process/1 <sup>st</sup> meeting
Assistant Engineer, Warren County DPW	Planning committee, 1 <sup>st</sup> meeting
NYS Police	Informed of planning process/1 <sup>st</sup> meeting, HAZNY Assessment
NYS Department of Transportation	1 <sup>st</sup> meeting, HAZNY Assessment

NYS Emergency Management Office	1 <sup>st</sup> meeting, HAZNY Assessment, guidance/assistance
NYS Department of Environmental Conservation	Informed of planning process/1 <sup>st</sup> meeting
Adirondack Park Agency	Informed of planning process/1 <sup>st</sup> meeting, information on Park land use
National Weather Service	Informed of planning process/1 <sup>st</sup> meeting, HAZNY Assessment, data
City of Glens Falls Hospital	Informed of planning process/1 <sup>st</sup> meeting, HAZNY Assessment
Floyd Bennett Memorial Airport	1 <sup>st</sup> meeting
Adirondack Community College	Informed of planning process/1 <sup>st</sup> meeting
Lake George Park Commission	Informed of planning process/1 <sup>st</sup> meeting
National Grid	Informed of planning process/1 <sup>st</sup> meeting
7 NYS School Districts	Informed of planning process/1 <sup>st</sup> meeting, information
24 Volunteer Fire Departments	1 <sup>st</sup> meeting, HAZNY Assessment
11 Town Supervisors, 2 Mayors, Town Clerks, Highway Departments, Historians	Meetings, input on jurisdictional plans, projects, buildings, infrastructure

### Public Participation

The mitigation plan was available for citizen comment in printed form as well as on-line. Community review of the plan provided a valuable opportunity for citizens to understand the significance of hazard mitigation so agencies and individuals are better able to respond in the event of a natural disaster. Copies of the Plan were available in each jurisdiction with comments or recommendations encouraged. Requests for comments were announced in press releases, posted public notices in Town and County Offices and in direct mailings to town supervisors and other county board members.

### Adoption and Review

All participating jurisdictions and the Warren County Board of Supervisors are required to adopt the plan before formal approval from FEMA. (Appendix H). Following notification from FEMA that the Plan is “Approvable Pending Adoption” jurisdictional resolutions and adoption of the Plan will take place within a year from the APA date as required. A list of the formal plan adoptions by jurisdiction is below. After plan completion and approval, the Planning Committee will remain to provide direction, oversight and assistance with a yearly plan evaluation process. Committee planning and oversight will be done by the Hazard Mitigation Coordinator from the Office of Emergency Services.

Jurisdiction	Date of Formal Adoption of Plan
Town of Lake Luzerne	May 18, 2011
Town of Johnsburg	May 3, 2011
Town of Chester	April 12, 2011
Town of Stony Creek	March 15, 2011
Town of Horicon	February 17, 2011

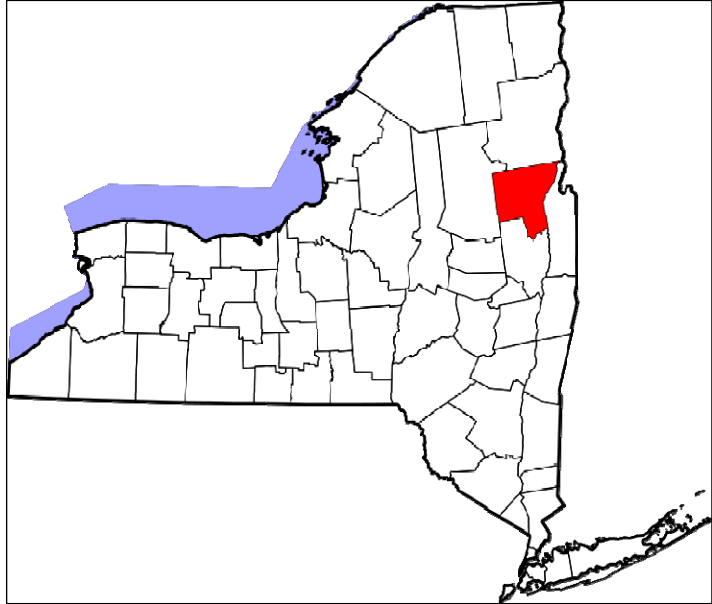
Town of Warrensburg	February 9, 2011
Town of Hague	February 8, 2011
Town of Bolton	March 1, 2011
Town of Queensbury	February 28, 2011
Town of Thurman	April 12, 2011
Town of Lake George	March 29, 2011
City of Glens Falls	March 22, 2011
Village of Lake George	February 14, 2011
County of Warren	February 18, 2011

A press release and public notice were issued at the completion of the draft plan to announce the availability of the draft plan at the County Municipal Building for review and public comment. A toll free number fax number, email and US Postal Service mailing address are provided so any interested individual can easily contact the hazard mitigation planning project manager following the “Approvable Pending Adoption” notification from FEMA.

## BACKGROUND

Warren County is located in northeastern New York State, bounded on the east by Lake George and Washington County, to the west by Hamilton and Saratoga Counties, to the north by Essex and Hamilton Counties, and to the south by Saratoga County.

A primarily rural county of 932 square miles composed of small towns and villages, the total population is 66,143 (2007) with an approximate average of 72 people/square mile, representing a 4.5% increase over the 2000 census population figures of 63,303. Of county residents, 16.3% are 65 years of age or older and 20.3% are under the age of 18. U.S. Census 2000 statistics indicate that the poverty rate in Warren County is 9.7%, below the state and federal averages of 14.6% and 12.4%, respectively.



The main population centers are the City of Glens Falls (population: 13,968) and the Town of Queensbury (population: 27,802); the Warren County Municipal Building is within the municipal bounds of the Town of Queensbury.

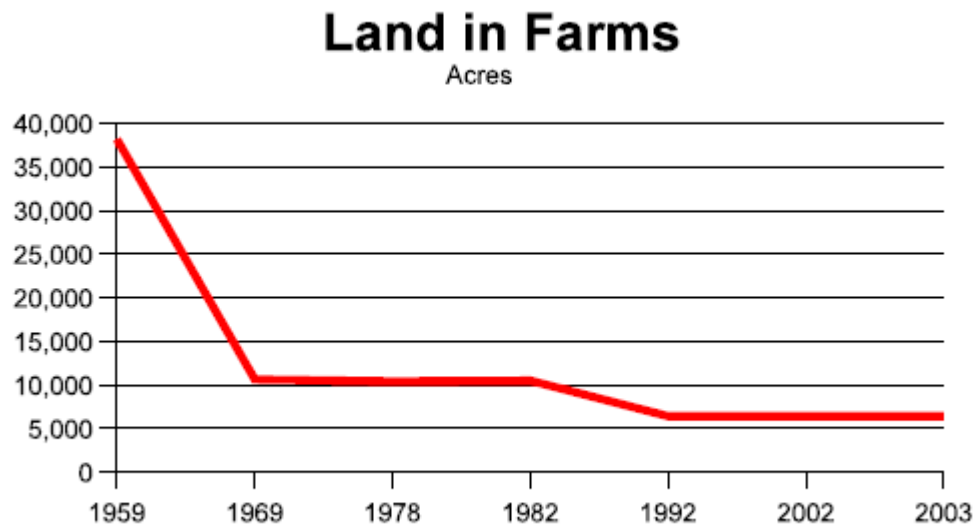
**Table: Warren County Population by Municipality**

<b>Municipality</b>	<b>Population Estimate(2007)</b>	<b>Population(2000)</b>
Town of Bolton	2,160	2,117
Town of Chester	3,691	3,614
Town of Hague	896	854
Town of Horicon	1,521	1,479
Town of Johnsbury	2,694	2,450
Town of Lake George	3,600	3,578
Town of Lake Luzerne	3,277	3,219
Town of Queensbury	27,802	25,441
Town of Stony Creek	846	743
Town of Thurman	1,351	1,199
Town of Warrensburg	4,337	4,255
Village of Lake George	982	985
City of Glens Falls	13,968	14,354
<b>Warren County</b>	<b>67,603</b>	<b>63,303</b>

Source US Census 2000 Data

## Land Use and Assets

Located in the southeast corner of the Adirondack Forest Preserve, Warren County has a total land area of 932 square miles. Of the total land area in the county, 6.6 % (62 square miles) is water. Ninety-five percent of the county is forest, including Wilcox Lake Wild Forest, Lake George Wild Forest and Siamese Pond Wilderness Area and one per cent is agricultural. Similar to many United States counties, Warren has experienced a marked decline in the amount of farm land over the last fifty years. (*graph below*)

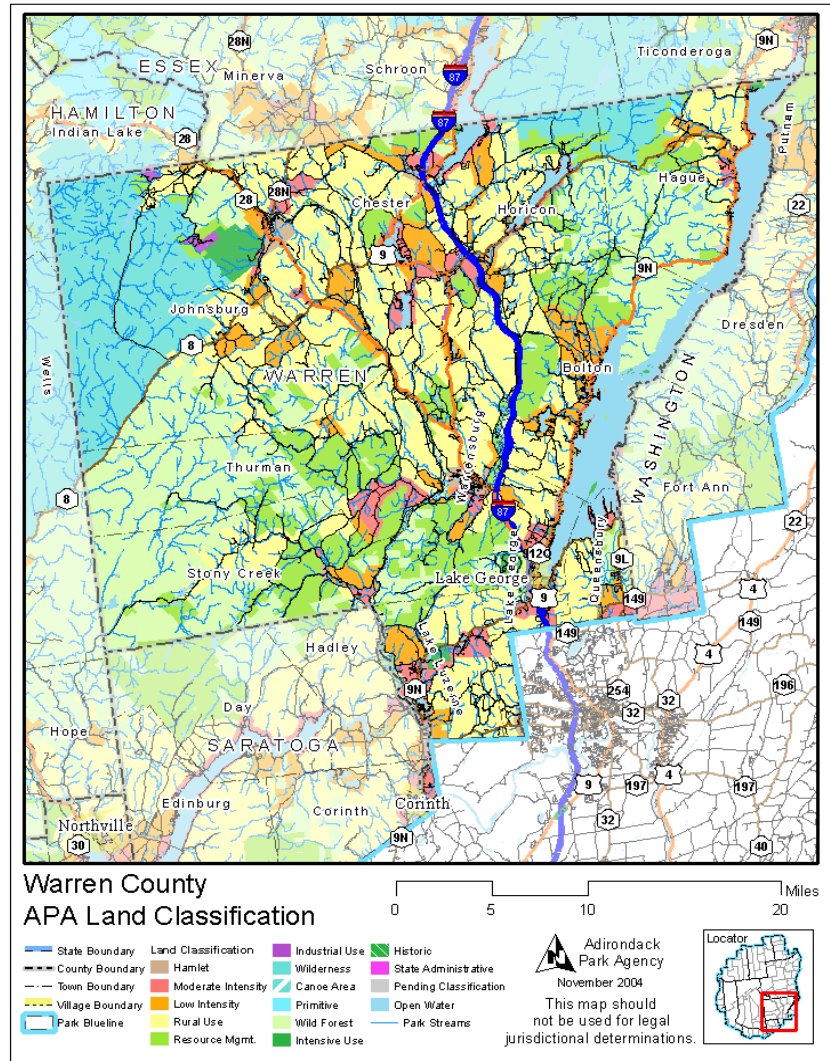


The vast majority of the county lies within the Adirondack Park, and land use is regulated by the Adirondack Park Agency (APA) accordingly; portions of the Towns of Lake Luzerne and Queensbury, including the City of Glens Falls are outside of the Park. Development projects within the Park Boundary are reviewed for (APA) permits in one of two ways depending on local review processes. Those local jurisdictions with ordinances, regulations, and/or a building permit process that meets APA guidelines and has been approved by the APA, the municipality may review and issue permit(s) locally. The towns of Johnsburg, Chester, Horicon, Hague, Bolton and Lake George (including Lake George Village) and Queensbury have plans meeting the APA guidelines. If a Town or Village regulatory process has not been approved, review and permitting is done by the APA. Maps below show the boundaries of the Adirondack Park and the APA Land Classifications for Warren County.



A majority of the land area of Warren County falls within the boundaries of Adirondack Park. Upon its creation in 1971, the Adirondack Park Agency's first task was to develop, in consultation with the Department of Environmental Conservation, a management plan for the administration of all State land in the Adirondack Park. The resulting plan, the Adirondack Park State Land Master Plan (Master Plan), is a refinement of the previous studies and by law, still governs the management of State land.

The Master Plan classifies State land within the Adirondack Park according to its characteristics and its ability to withstand use into seven basic categories: Wilderness, Primitive, Canoe, Wild Forest, Intensive Use, Historic and State Administrative. The New York State Department of Environmental Conservation administers state land within the park boundary.



**The following state land classification definitions are taken from the Adirondack Park State Land Master Plan:**

### Wilderness

A wilderness area, in contrast with those areas where man and his own works dominate the landscape, is an area where the earth and its community of life are untrammelled by man--where man himself is a visitor who does not remain. A wilderness area is further defined to mean an area of state land or water having a primeval character, without significant improvement or permanent human habitation, which is protected and managed so as to preserve, enhance and restore, where necessary, its natural conditions, and which (1) generally appears to have been affected primarily by the forces of nature, with the imprint of man's work substantially unnoticeable; (2) has outstanding opportunities for solitude or a primitive and unconfined type of recreation; (3) has at least ten thousand acres of contiguous land and water or is of sufficient size and character as to make practicable its preservation and use in an unimpaired

condition; and (4) may also contain ecological, geological or other features of scientific, educational, scenic or historical value.

### **Primitive**

A primitive area is an area of land or water that is either:

1. Essentially wilderness in character but, (a) contains structures, improvements, or uses that are inconsistent with wilderness, as defined, and whose removal, though a long term objective, cannot be provided for by a fixed deadline, and/or, (b) contains, or is contiguous to, private lands that are of a size and influence to prevent wilderness designation; or,
2. Of a size and character not meeting wilderness standards, but where the fragility of the resource or other factors require wilderness management.

### **Canoe**

A canoe area is an area where the watercourses or the number and proximity of lakes and ponds make possible a remote and unconfined type of water-oriented recreation in an essentially wilderness setting.

### **Wild Forest**

A wild forest area is an area where the resources permit a somewhat higher degree of human use than in wilderness, primitive or canoe areas, while retaining an essentially wild character. A wild forest area is further defined as an area that frequently lacks the sense of remoteness of wilderness, primitive or canoe areas and that permits a wide variety of outdoor recreation.

### **Intensive Use**

An intensive use area is an area where the state provides facilities for intensive forms of outdoor recreation by the public. Two types of intensive use areas are defined by this plan: campground and day use areas.

### **Historic**

Historic areas are locations of buildings, structures or sites, that may or may not be owned by the state (other than the Adirondack Forest Preserve itself) that are significant in the history, architecture, archeology or culture of the Adirondack Park, the state or the nation; that fall into one of the following categories;

- state historic sites;
- properties listed on the National Register of Historic Places;
- properties recommended for nomination by the Committee on Registers of the New York State Board For Historic Preservation; and that are of a scale, character and location appropriate for designation as an historic area under this master plan and the state has committed resources to manage such areas primarily for historic objectives.

### **State Administrative**

State administrative areas are areas where the state provides facilities for a variety of specific state purposes that are not primarily designed to accommodate visitors to the Park.

Additionally, in 1973, the New York State legislature adopted the Adirondack Park Land Use and Development Plan and Map. The text of the Plan is found in the Adirondack Park Agency Act. Section 805 of the Act describes the different private land use area classifications as follows:

**HAMLET AREAS:** range from large, varied communities that contain sizable permanent, seasonal and transient populations with a great diversity of residential, commercial, tourist and industrial development and a high level of public services and facilities, to smaller, less varied communities with a lesser degree and diversity of development and a generally lower level of public services and facilities.

**MODERATE INTENSITY USE AREAS:** those areas where the capability of the natural resources and the anticipated need for future development indicate that relatively intense development, primarily residential in character, is possible, desirable and suitable. These areas are primarily located near or adjacent to hamlets to provide for residential expansion. They are also located along highways or accessible shorelines where existing development has established the character of the area. Those areas identified as moderate intensity use where relatively intense development does not already exist are generally characterized by deep soils on moderate slopes and are readily accessible to existing hamlets.

**LOW INTENSITY USE AREAS:** those readily accessible areas, normally within reasonable proximity to a hamlet, where the physical and biological resources are fairly tolerant and can withstand development at an intensity somewhat lower than found in hamlets and moderate intensity use areas. While these areas often exhibit wide variability in the land's capability to support development, they are generally areas with fairly deep soils, moderate slopes and no large acreages of critical biological importance. Where these areas are adjacent to or near hamlets, clustering homes on the most developable portion of these areas makes possible a relatively high level of residential units and local services.

**RURAL USE AREAS:** those areas where natural resource limitations and public considerations necessitate fairly stringent development constraints. These areas are characterized by substantial acreages of one or more of the following: fairly shallow soils, relatively severe slopes, significant ecotones, critical wildlife habitats, proximity to scenic vistas or key public lands. In addition, these areas are frequently remote from existing hamlet areas or are not readily accessible. Consequently, these areas are characterized by a low level of development and variety of rural uses that are generally compatible with the protection of the relatively intolerant natural resources and the preservation of open space. These areas and the resource management areas provide the essential open space atmosphere that characterizes the park.

**RESOURCE MANAGEMENT AREAS:** those lands where the need to protect, manage and enhance forest, agricultural, recreational and open space resources is of paramount importance because of overriding natural resource and public



considerations. Open space uses, including forest management, agriculture and recreational activities, are found throughout these areas. Many resource management areas are characterized by substantial acreages of one or more of the following: shallow soils, severe slopes, elevation of over twenty-five hundred feet, flood plains, proximity to designated or proposed wild and scenic rivers, wetlands, critical wildlife habitats or habitats of rare and endangered plant and animal species. Other resource management areas include extensive tracts under active forest management that are vital to wood-using industry and necessary to insure its raw material needs. Important and viable agricultural areas are included in resource management areas, with many farms exhibiting a high level of capital investment for agricultural buildings and equipment. These agricultural areas are of considerable economic importance to segments of the park and provide for a type of open space which is compatible with the park's character.

**INDUSTRIAL USE AREAS:** those areas that are substantial in size and located outside of hamlet areas and are areas (1) where existing land uses are predominantly of an industrial or mineral extraction nature or (2) identified by local and state officials as having potential for new industrial development.

\*\*\*\* End APA Land Use Excerpt \*\*\*\*

The Adirondack Park Agency regulates development in accordance with these classifications. Future development in the region is regulated by the Adirondack Park Agency plan/permit review process. The APA provides land-use and density maps and comprehensive technical assistance and oversight for commercial and residential development proposals within their jurisdiction; local zoning regulations still apply both inside and outside of the Park. While a detailed full review of Agency development guidelines is beyond the scope of this plan, it should be noted that the permitting process is administered according to project classification and land use classification. In regard to land use, within the Park, the APA is the preeminent authority. In 2010 the NYS legislature proposed an Adirondack Park Local Government Planning Fund. The purpose of this would be to establish an APA administered program supporting local land use planning efforts. The APA encourages the use of NYS Smart Growth opportunities at <http://smartgrowthny.org>.

### **Housing Stock**

According to the 2000 Census, Warren County has 34,852 housing units, of which 25,726 (73.8%) are occupied. Out of the 34,852 housing units, 43% were built previous to 1960.

### **Roadways**

One thousand, two hundred forty-six miles of road traverses Warren County. US Route 87, the Adirondack Northway, is the only interstate highway and runs north-south between the 'local' population centers of Plattsburgh (north) and Albany (south), and beyond - Montreal, Canada to the north and New York City to the south. The Northway and NYS Route 9 are "north-south" routes within the county, as are NYS Routes 28 and 9N. East-west roads serve as connecting roads to the interstate, state routes, and local population centers, and are dispersed in heavily forested and mountainous rural sections of the county. The City of Glens Falls has a network of state, and local roadways.

## **Local Government and Capabilities**

The Warren County government structure consists of a Board of Supervisors with a total of twenty supervisors. Eleven supervisors represent towns located within the county, five represent the City of Glens Falls five wards, and the Town of Queensbury also has four seats in addition to the supervisor. Decisions are determined on the system of weighted voting (per Local Law No. 10 of 2001) based on population. The Town of Queensbury and the City of Glens Falls retain the largest number of votes with 400 and 228 respectively. With a total of 999 for the entire county, 500 votes are needed for a majority, with 667 for a two-thirds vote. In this form of county government the Board is comprised of individuals elected as a Town Supervisor, and then by virtue of that election they serve on the County Board of Supervisors. For the purposes of this multi-jurisdictional plan all jurisdictions were represented and participated in the Plan development. Each time the consultant met with the Board of Supervisors and the Public Safety Committee jurisdictions were represented and involved.

## **General Planning**

The Warren County Department of Planning and Community Development provides the following services:

- Planning and administrative support services to the Warren County Planning Board for monthly review meetings
- Providing technical services to local planning and zoning boards for matters related to community master plans, zoning ordinances and related land use regulations.
- Design and implementation of planning and economic development initiatives involving multiple county communities.
- Providing planning review and technical support for the Adirondack/Glens Falls Transportation Advisory Council and Policy Committee.

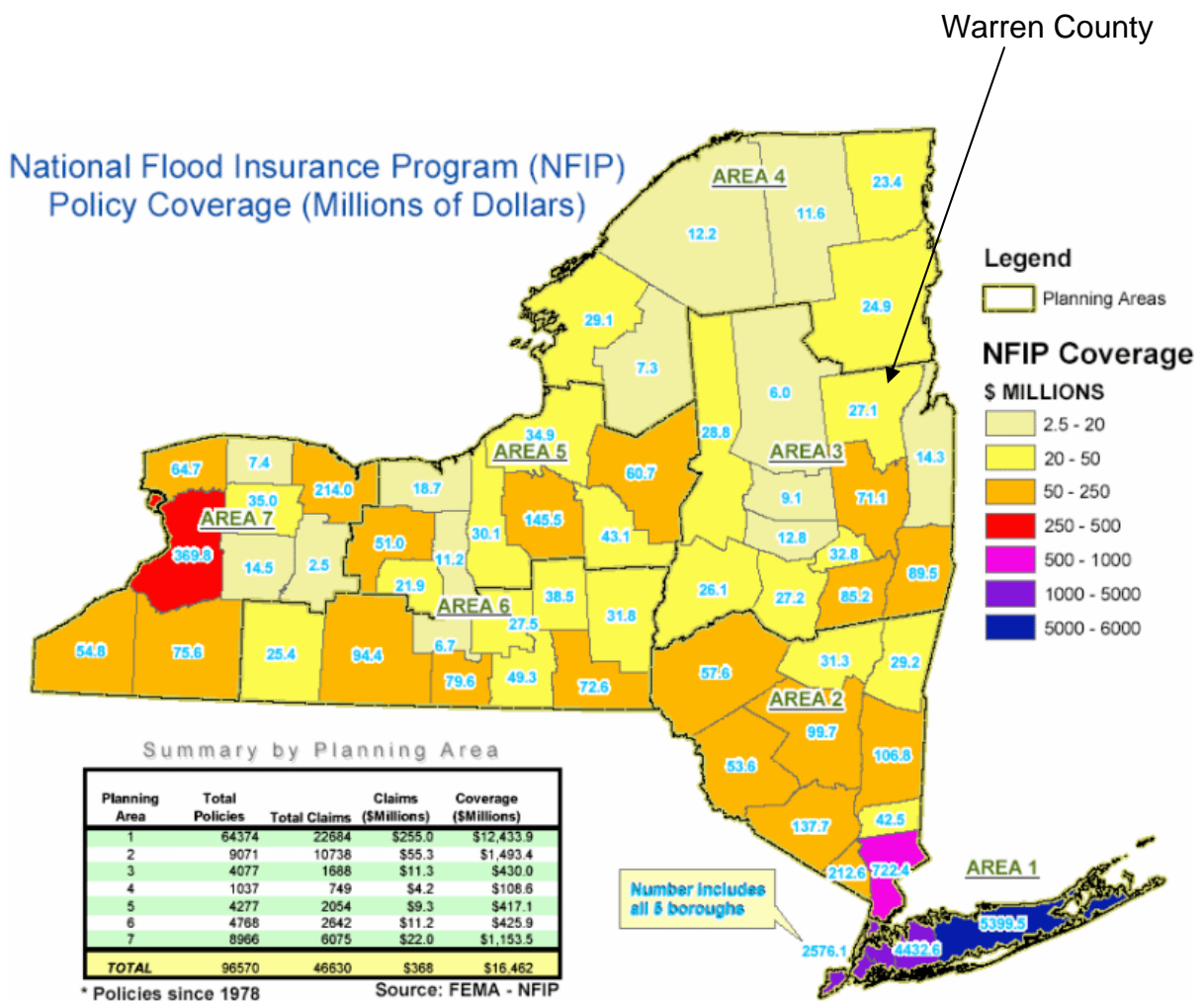
The department provides a variety of resources to communities in regards to planning and community development. The County Planning Board reviews and provides recommendations to local planning and zoning applications that are within 500 ft of designated criteria under Section 239 of NYS General Municipal Law. Warren County consists of 13 jurisdictions where 11 of them have local zoning ordinances and staff assistance such as a Code Enforcement Officer. All 13 communities are also under the jurisdiction of the Adirondack Park Agency (APA) land use regulations for either a portion or all of their community. Within Warren County land management and regulatory issues are also spread among a variety of agencies i.e. NYSDEC, Lake George Park Commission, DOH, Army Corp; and municipality departments, DPW, Building and Codes, Planning and Zoning, Water and Wastewater. In addition, the department includes GIS program management that is used on a regular basis; the system includes a well rounded data set of the entire county. The GIS coordinator relies on FEMA FIRM data and the GIS staff utilizes this to assist Warren County communities with a variety of tasks to visualize data and project data outcomes i.e. washouts, spills, accidents etc.

**National Flood Insurance Program**

Established in 1968, the National Flood Insurance Program (NFIP) provides federally-backed flood insurance for residents of those communities that enact and enforce regulations to regulate development within floodplain areas. Property must be located within a community that participates in the NFIP to be eligible for the federally-backed flood insurance. All of Warren County is eligible. Warren County has not chosen to participate in the Community Rating System (CRS) program as of this time. (see Mitigation Actions)

To be eligible for the NFIP, a community must adopt and enforce a floodplain management ordinance to regulate proposed development in floodplains and designate a local floodplain coordinator/administrator. The program is designed to ensure that new construction does not worsen existing flood hazards, and has a better chance to withstand flood events.

The following table provides National Flood Insurance Program summary information for Warren County collected since 1978. Total Claims since 1978 at less than one hundred for a thirty year period and total “Dollars since 1978” paid out at under \$250,000 as indicators of hazard events reflects minimal occurrences and damages overall.



## NFIP INSURANCE REPORT BY STATE, COUNTY, COMMUNITY NEW YORK

CID	Community Name	Total Premium	V-Zone	A-Zone	Current Total	Coverage Total	Claims since 78 Total	Doll since 78 Total
<b>WARREN COUNTY</b>								
360869	BOLTON, TOWN OF	5360	0	7	11	1301300	3	454
360609	CHESTER, TOWN OF	16934	0	19	26	3476500	33	20201
360872	GLENS FALLS, CITY OF	375	0	0	2	56600	0	0
360873	HAGUE, TOWN OF	3539	0	4	7	1169200	3	0
360874	HORICON, TOWN OF	7031	0	10	14	1397600	3	27046
360875	JOHNSBURG, TOWN OF	4378	0	4	7	716500	3	11958
360876	LAKE GEORGE, TOWN OF	1525	0	1	5	694400	0	0
360877	LAKE GEORGE, VILLAGE OF	3412	0	2	3	930000	1	2759
360878	LAKE LUZERNE, TOWN OF	21860	0	27	44	3908700	12	13123
360879	QUEENSBURY, TOWN OF	46443	0	49	73	12389500	29	91141
360880	STONY CREEK, TOWN OF	824	0	2	2	81000	0	0
360881	THURMAN, TOWN OF	407	0	0	2	226000	4	70132
360882	WARRENSBURG, TOWN OF	9316	0	12	19	1761400	7	11648
	<b>County Total</b>	<b>121404</b>	<b>0</b>	<b>137</b>	<b>215</b>	<b>28108700</b>	<b>98</b>	<b>248462</b>

Statistics as of 2008

At the June 26, 2008 (Warren County Board of Supervisors) Public Safety Committee meeting during discussion regarding compliance with the NYS Building Code and Department of Environmental Conservation among local jurisdictions, it was stated “regarding the National Flood Insurance Program and all the towns in Warren County had entered into this Program through an adoption of local law” [and that] “the local law was passed back in the 1980’s.” Current building code enforced in the county includes requirements for the elevation of certain building components and the first floor level to be located above the high water mark. Elevation Certificates are required in conjunction with flood plain development permits. The jurisdictions are complying with the NFIP at the local level, and oversight authorities such as the Adirondack Park Agency employ the same or more stringent development rules. At the January 22, 2009 Warren County Public Safety Committee meeting, the Administrator of Fire Prevention and Building Codes explained “pertaining to the floodplain issue, the only time her office would become involved was when they were notified by a Town that construction was taking place on a specific parcel within the floodplain.” “Their involvement would include ensuring that specific building code laws were followed.”

## Risk Assessment

Multi-jurisdictional risk assessment efforts performed per DMA 2000 require evaluation of hazard risks and potential effects for the County of Warren. Each risk analyzed for the jurisdiction(s) should also be assessed in terms of jurisdictional vulnerability and potential losses.

For most hazards identified for Warren County, each city/town/village is at risk because all towns are exposed to natural hazards (such as severe winter storms, including ice events). The county region and all of the participating jurisdictions lie within an approximately 869 square mile geographic area; major weather or geologic differences are not present that would make one area more vulnerable to one hazard over another because these hazards affect the entire area. However, critical facilities, assets and other conditions within the various jurisdictions differ significantly, so some municipalities have a particular vulnerability and more concern about specific hazards. Particular buildings, facilities, utilities, and geographic areas may be at-risk for human-caused and technological hazards, but for the purposes of this plan, these are mentioned only in the context of broad mitigation actions that will be, or have been implemented to reduce the effects of natural hazards.

As part of the planning process, the planning committee identified hazards to which the region and the jurisdictions within are particularly vulnerable. These specific exposures and concerns are discussed in the hazard profiles and the loss estimates. Mitigation actions that are ongoing or planned for each jurisdiction and the county are based on the evaluations conducted in this risk assessment portion of the plan.

Assessing a region's vulnerability is the first step in developing an effective hazard mitigation plan. Two factors impact a region's vulnerability: the hazard events that threaten the area (risk) and the area's level of preparedness in the event of a disaster. The risk assessment portion of the Plan summarizes the steps taken to verify which hazards present the greatest threat to Warren County and the jurisdictions within it. The probability of future events is relative to the frequency of each event. The frequency descriptors are as follows: rare event – occurs less than once every 500 years, infrequent event – occurs between once every 8 years and once every 50 years, regular event – occurs between once a year and once every 7 years, frequent event – occurs more than once a year. [HAZNY Ground Rules (NYSEMO Planning Section and American Red Cross)]

Hazard identification was compiled using the following sources:

1. Results from the Warren County all-hazards program analysis (HAZNY) conducted within the county.
2. Written historical records focusing primarily on press coverage of past hazard events. The Post Star (a daily) and regional weekly newspapers provide resources to document events in the area.
3. Input from public officials and their constituents, solicited through public meetings, public notices, direct correspondence via USPS, and telephone interviews.
4. Interviews with local experts, including information gleaned from town and county historians, and the National Weather Service.
5. FEMA suggested websites. (Appendix D)
6. New York State Hazard Mitigation Plan
7. Key informants from each jurisdiction within the county.
8. Hazard/risk concerns updated by jurisdiction executives, 2010(Public Participation)

<b>Municipality</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
Town of Bolton	x	x	x	x	n/a	x	x
Town of Chester	x	x	x	x	x	x	x
Town of Hague	x	x	x	x	x	x	x
Town of Horicon	x	x	x	x	x	x	x
Town of Johnsburg	x	x	x	x	x	x	x
Town of Lake George	n/a	x	x	x	n/a	n/a	x
Town of Lake Luzerne	n/a	x	x	n/a	n/a	n/a	x
Town of Queensbury	x	x	x	x	n/a	x	x
Town of Stony Creek	x	x	x	x	n/a	x	x
Town of Thurman	x	x	x	x	n/a	x	x
Town of Warrensburg	x	x	x	x	n/a	x	x
Village of Lake George	x	x	x	x	n/a	n/a	x
City of Glens Falls	x	x	x	x	n/a	n/a	x
<b>Warren County</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>

<b>Key</b>	
1.	Flood/Ice Jams
2.	Ice Storms
3.	Winter Storm/Heavy Snowfall
4.	Severe Storms/Hail
5.	Infestation
6.	Wildfire/Fire
7.	Earthquake

Jurisdictions indicated the hazards/risks that impact their region. Each jurisdiction recognizes the potential vulnerability of historical, structural and/or geological characteristics in their specific region. Maps in the Jurisdictional Annex indicates concentrations of structures found within each jurisdiction. In the Implementation Strategy Plan, mitigation actions fall into each category above as well as a multi-hazard category. This multi-jurisdictional plan encompasses specific jurisdictional actions handled directly by the jurisdiction, county wide actions with input and oversight from each jurisdiction. Warren County government provides for this merging of agencies and oversight due to the fact that each Town Supervisor acts as a member of the Warren County Board of Supervisors, with increased participation on this Board by Queensbury and Glens Falls based on the population.

The NYS Hazard Mitigation Plan itemizes regional risk assessments. According to the State Plan the significant hazard risks for the Warren County region are listed below. The Warren County Hazard Assessment Committee and the Office of Emergency Services considers the hazards below as High Hazard within their criteria.

<u>Natural Hazard</u>	<u>Rank</u>
Flood	Moderately High
Dam Failure	Moderately High
Hazmat-Transit	Moderately High
Transportation Accident	Moderately High
Ice Storms	Moderately High
Severe Storm	Moderately High
Winter Storm	Moderately High
Wildfire/Fire	Moderately High

The hazards listed below were identified by the Warren County All Hazards Analysis (HAZNY) as significant threats but will not be further evaluated herein as they are not considered natural hazards and therefore are not germane to the objective of the hazard mitigation plan. Those natural hazard events that may have a causal effect (e.g. earthquake, causing dam failure, utility failure, etc.) will be evaluated as such.

Hazmat-transit/Fixed location

Definition: *The uncontrolled release of material during transport, which when released can result in death or injury to people and/or damage to property and the environment through the material’s flammability, toxicity, corrosiveness, chemical instability and/or combustibility.* Hazmat spills are not considered natural disasters; however the Plan will address regions where prevention of road-blockage may be a mitigation objective. Spills or other events, such as transportation accidents that force road closures, may prevent access by vehicles to specific areas in the county. Towns within the boundaries of the Adirondack Park may face an additional burden when DEC/APA oversight may restrict the authority of local officials to address potential deficiencies in infrastructure.

Dam Failure

Definition: *An uncontrolled release of impounded water resulting in downstream flooding.* Numerous dams are located within Warren County towns, forming small lakes for recreational use, water supplies, as well as flood management. There are 63 dams with classifications designated by DEC. Twenty of the dams are considered moderate risk. Six dams of the sixty three appear on the list as high hazard dams. (see below)

<b>High Hazard Dam</b>	<b>Town</b>
Edgecomb Pond Dam	Bolton
Loon Lake Dam	Chester
Feeder Dam at Glens Falls	Queensbury
Butler Storage Reservoir Dam	Queensbury
Brant Lake Upper Dam	Horicon
Garnet Lake Dam	Johnsburg

In May, 2008 the City Council City of Glens Falls authorized the bidding of remedial work on the dam at the Butler Storage Reservoir in compliance with a NYSDEC approved Construction Permit. In January 2009, Mayor Jack Diamond stated one of the priorities was to “complete the next phase to refurbish the city’s water distribution system,” by mid-February and apply for permits to refill the Butler Storage and Butler Pond Reservoirs and moving toward refurbishing the remaining dams.



### Utility Failure

*Definition: Any interruption or loss of electrical service due to disruption of power generation or transmission caused by accident, sabotage, natural hazards, equipment failure, or fuel shortage. This is of moderate concern and is a hazard resulting from the cascade effect in the event of other hazards.*

*Structural Collapse: A sudden structural failing, partial or fully of buildings, bridges or tunnels, threatening human life and health. This is of moderate concern and is a hazard resulting from the cascade effect in the event of other hazards.*

*Water Supply Contamination: The contamination or potential contamination of surface or subsurface public water supply by chemical or biological materials that results in restricted or diminished ability to use the water source. These types of events are not considered natural disasters, however, Warren County and the jurisdictions within have Emergency Preparedness Plans to address the effects of water contamination events. (Comprehensive Emergency Management Plan Revised in 2006) (Appendix B)*

## Hazard Profiles

### 1. Flood /Ice Jams

*Definition - Flood: A general and temporary condition of partial or complete inundation on normally dry land, usually a natural, cyclical occurrence in waterbodies or drainage ways. When “normal” banks of water bodies overflow, a potentially violent/destructive waterway can form. Flash floods after a heavy rain or rapid snowmelt can transform a small stream into a violent waterway. Inadequate drainage systems in urban areas can create destructive “runoff”.*

*Definition - Ice Jam: Large accumulation of ice in rivers or streams interrupting the normal flow of water and often leading to flooding conditions and/or damage to structures. The results of the all-hazards analysis place flooding at the highest ranking concern in the county even though the ranking score is within the guidelines of a “Moderately High” hazard. Ice jams are of relatively low concern but can lead to similar destructive situations. Mitigation measures for flooding are anticipated to have similar results to ice-jam flooding as to seasonal, storm, and other causes of flooding.*

#### Flood profile:

Location:	Riverine and adjacent low-lying property throughout the county.
Extent:	See map and narrative discussion.
Cascade effects:	Highly likely to trigger another hazard.
Frequency:	Frequent event (occurs more than once a year)
Potential impact:	Serious injury or death is unlikely. Severe physical and/or economic damage to private property. Moderate to severe structural damage to community infrastructure and critical facilities in proximity.

*Past hazard events: According to National Weather Service records, Warren County had 41 reported floods between 1993 and 2008, with reported property damage of approximately 13.069 million dollars. The table below is not a complete list of the flood incidents that have occurred in*

Warren County, but demonstrates that flooding is a frequent event. Not all flood events reported in the local media are reported to the National Climatic Data Center (NCDC) (see table below).

<b>Description of Event</b>	<b>Area(s) Affected</b>	<b>Date of Onset</b>	<b>Property Damage (\$)</b>	<b>Deaths</b>	<b>Injuries</b>	<b>Source of Info</b>
Flood	Countywide	4/16/1993	500K	0	0	NCDC
Flood	Countywide	4/17/1993	500K	0	0	NCDC
Flood	North Creek	8/12/1993	50K	0	0	NCDC
Flood	Lake George Village, Brant Lake, Hague	1/19/1996	3.0M	0	0	NCDC
Flood	North Creek, Lake Luzerne	1/8/1998	745K	0	0	NCDC
Flood		2/26/2000	502K	0	0	NCDC
Flood	Chester, Pottersville, Horicon, Warrensburg	4/16/2001	500K	0	0	NCDC
Flood	South Horicon	8/29/2004	160K	0	0	FEMA News Release NCDC
Flash Flood	Bolton, Chestertown, Warrensburg, Horicon	6/13/2005	6.5M	0	0	Northeastern Storm Buster Publication, NCDC
Flash Flood	Chestertown	6/26/2006	40K	0	1	NCDC
Flash Flood	Brant Lake/Horicon	9/2006	.5M	0	0	Town of Horicon

Flooding that has occurred within Warren County has generally not resulted in extensive damage to residential, commercial, or public buildings; roadways in locations scattered throughout the county are the infrastructure most affected by flooding. Flood waters inundate roadways, damage bridges, erode ditches, wash-out portions of roads, often force road/bridge closures, and less often, evacuations. The areas most prone to flood events are shown on the flood maps for each of the municipalities within the county. (Section II) Mapping relied on FEMA FIRM data and for the purposes of this plan all shorelines, and waters(streams, rivers etc.) are contemplated as potential flood risk

NCDC reporting indicates repeated flood events in two broad regions of Warren County: along the Schroon River in the riverbank section where in 2001 runoff from rapid snow melt contributed to rising flood waters that reached an historical crest level of 10.11 feet (see chart below,) and along the Hudson River where significant rainfall and rapid snowmelt led to considerable flooding of roadways.

## Schroon River (Riverbank region)

### Flood Categories (in feet)

Major Flood Stage:	9
Moderate Flood Stage:	8.5
Flood Stage:	7
Action Stage:	6

### Historical Crest Depths

- (1) 12.18 ft on 03/21/1936
- (2) 10.70 ft on 03/28/1913
- (3) 10.41 ft on 03/28/1953
- (4) 10.23 ft on 04/13/1922
- (5) 10.11 ft on 04/25/2001
- (6) 9.70 ft on 04/03/1976
- (7) 9.63 ft on 04/17/1994
- (8) 9.62 ft on 04/24/1969
- (9) 9.55 ft on 04/18/1993
- (10) 9.33 ft on 04/02/1998

In January of 1996 and 1998 flooding of roadways and bridges, along with drainage ditch and road washouts resulted in the areas of the county noted above. In 1996 Federal Disaster aid was made available by Presidential Declaration. Substantial rainfall also created flash flood situations, including a June 2005 event that washed out a portion of Interstate 87 (the Adirondack Northway) forcing closure of the interstate for several days. Rainfall in the region of Bolton Landing was described by some officials as a “500 year storm” and damage was extensive. Twenty people were evacuated and road repair costs for the Bolton Landing region and Interstate 87 exceeded six million dollars. The governor declared Warren County a “disaster area”.

A causal factor of flooding distinct in the county (and surrounding areas) is heavy rainfall forcing the destruction of beaver dams on lakes, rivers and streams that have cascade effects of downstream flooding of roadways. In June of 2006 a washout of this nature on County Route 19 (Olmsteadville Road) resulted in injuries to a motorist when her vehicle fell through a flood-damaged section of the road. The damage estimate for Olmsteadville Road and seven other county roads was approximately \$40,000.

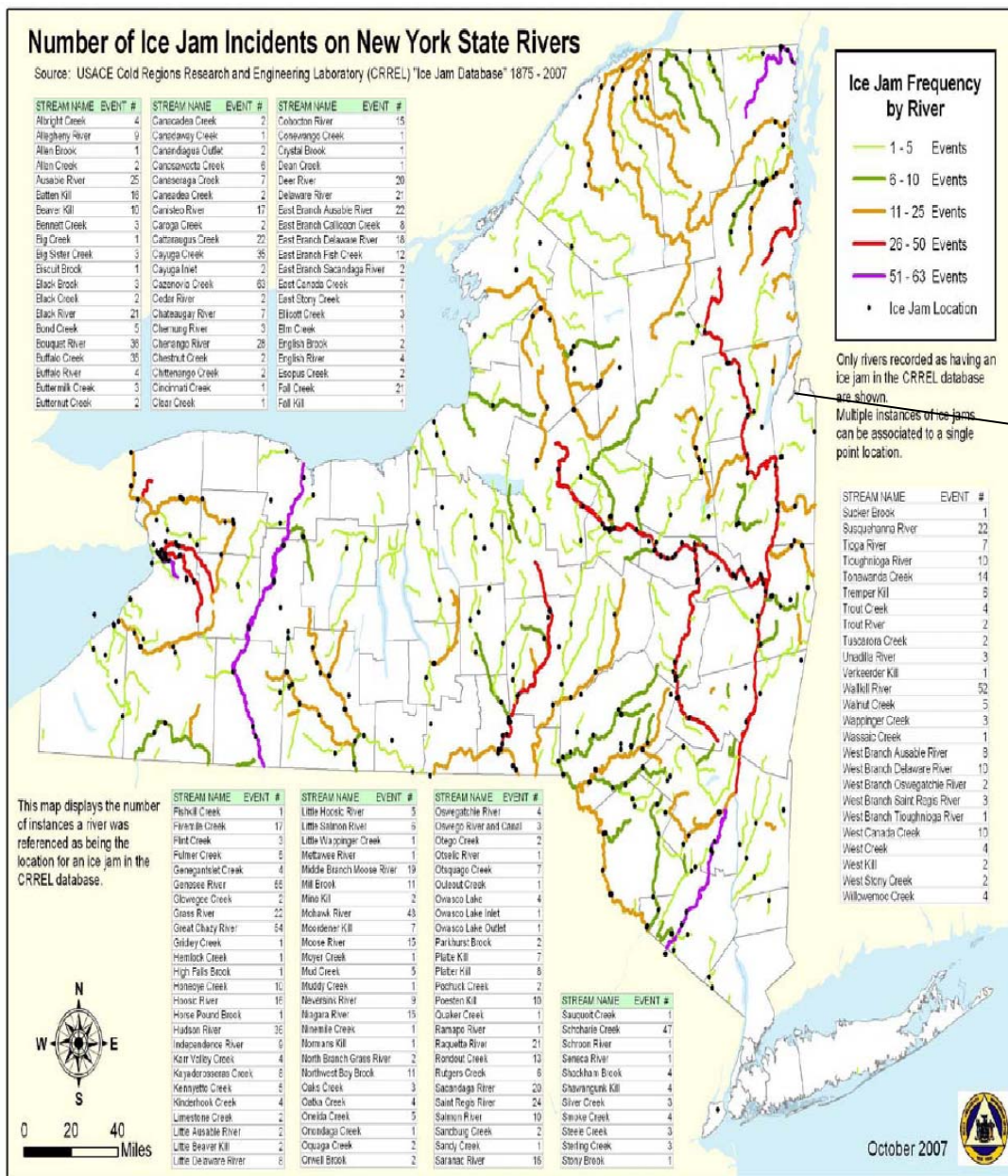
Probability of future events: Based on the frequency of recent past events, flooding occurs more than once a year: Frequent.

Potential impact: Erosion due to flooding has historically been a significant cause of major damage to roads and highways as well as dams and bridges throughout Warren County. In addition, flooding can create electric power and communication disruptions.

Vulnerable areas: **Town of Horicon** – Pease Hill Road, County Rte 11, River Road, Hayford Road, and regions along the Schroon River, Brant Lake Outlet, Mill Brook, Brant Lake and Valentine Pond **Town of Johnsbury** – State Rte 8 (Bakers Mills), Barney Hill Road, Riverside Station Road, Bartman Road, Harrington Road **Town of Thurman** – River Road, Sky-High Road/Lake Road, West Stony Creek Road/Wolf Pond Road, Rte 418

Estimate of potential losses: Past flooding costs for the entire county reached approximately \$989,500 with the Towns of Chester, Warrensburg and Horicon experiencing the highest costs. See municipal flood property loss tables in Section II.

The Ice Jam Incident Map below indicates the location of numerous ice jams in Warren County. As described previously these contribute to the flood risk in the county.



Warren County

## 2. Ice Storms

Definition – *Freezing rain that accumulates as a substantial glaze layer of ice resulting in serious disruptions of normal transportation and supply of power.* According to the Warren County Hazard Analysis results, ice storms follow flooding as the next highest ranking natural disaster risk within the county. The combined total of icing events and winter storms between 1993 and 2009, accounts for 121 heavy snow or ice events as reported by NCDC. During the same period, only two events have the distinction to be classified as ice storms, although there have been 15 incidents of freezing rain, often following a snowfall, that create a dangerous build up of ice on roads, trees and power lines. The NCDC often identifies these regional events as “winter weather”. Upon review, these events have resulted in icing in all regions of Warren County.

Ice Storm profile:

Location: Countywide  
Extent: Ice build-up of over 1 inch on tree branches, roads and utility lines  
Cascade effects: Highly likely to trigger other hazards  
Frequency: Regular event (occurs once every one to seven years)  
Potential impact: Potential for serious injury, moderate physical and/or economic damage to private property

Past hazard events: Warren County experiences winter storms and icing events with regularity. Harsh winter weather is a normal occurrence for Warren County during the winter months, and may continue into early spring and may begin in late autumn as well. The NCDRC identified two ice storms: 1. January 2007, when significant icing led to downed trees and broken/falling tree limbs that led to widespread power outages. High winds followed the freezing rain causing more downed trees and with the ice load on power lines, more downed lines, leaving thousands without power, some for three days. Lake George in Warren County was the area hardest hit. 2. In March of 2008, freezing rain accumulations of over one inch with high winds led to downed trees and power lines, and caused extended power outages. Estimates of fallen trees reached as high as 1000, leading to road closings, including Route 9N and Route 8. The towns of Hague, Johnsbury and Queensbury were hardest hit. According to the Albany Times Union, National Grid estimated 5,700 people were without power. Freezing rain, although not classified as “ice storm”, contributes to considerable power outages around the County, while creating hazardous travel conditions on all roads in the region. The wintery mix that develops generally occurs in the Lake George, Glens Falls vicinity, often forcing closure of the Adirondack Northway for a period of time.

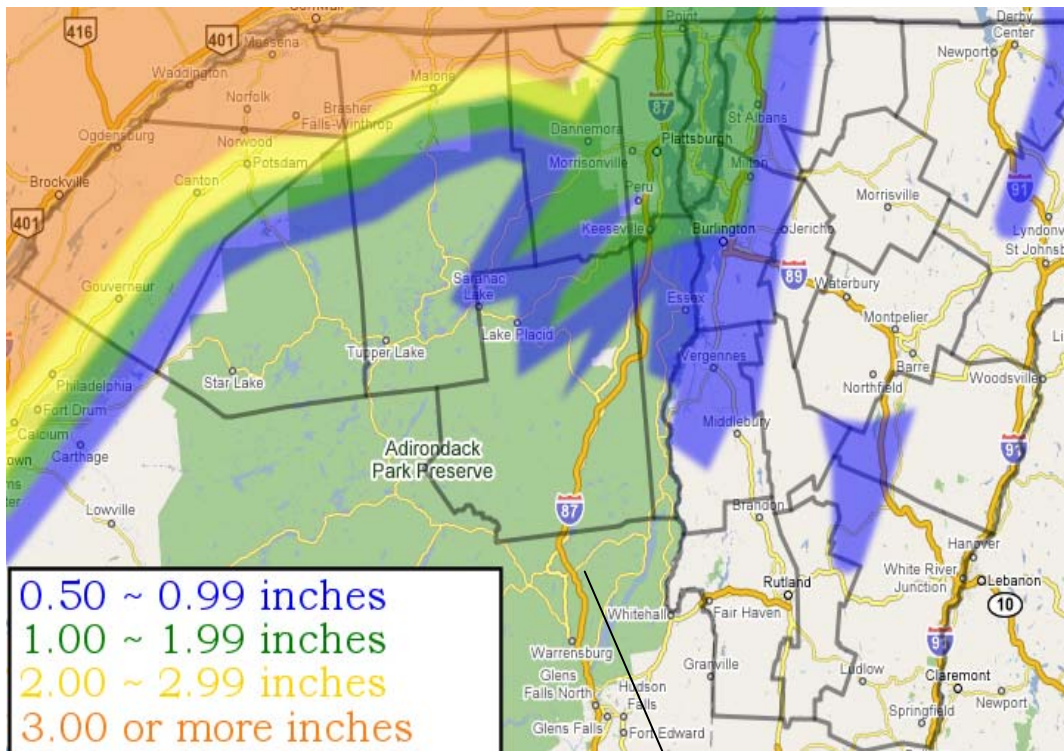
(See chart below).

<b>Year</b>	<b># of Icing Events</b>	<b>Total Cost</b>	<b>Anecdotal Information</b>
1994	6	2.5M	
1995	5	1.1M	
1997	9	339K	8 inches of snow, followed by freezing rain

2002	3	270K	Ice ¾ inch thick on roads, high winds
2003	2	N/A	Bolton Landing, 20.2 inches of snow followed by icing
2007	1	N/A	
2008	5	60K	¼ to ½ inch of ice in the Lake George region – Town of Hague
2009	1	N/A	

Ice Storm of 1998 – Warren County was not directly impacted with icing during this event according to the National Weather Service, Burlington, Vermont (see map below). However, As indicated above, Warren County has icing events; the two worst in 2007 and 2008.





Observed Ice Accumulation Map

Warren County

Probability of future events: Winter storms, complete with snow, sleet, freezing rain and winds are a routine occurrence during winter months in Warren County. Elevation can have a direct effect on the severity and type of winter storm that is directly proportional – higher elevations experience cooler temperatures contributing to earlier onset of frozen precipitation, for example, however winter and severe storms are experienced county-wide. Ice storms are a regular event in the county.

Potential impact: Warren County highway departments, emergency response, and medical facilities state that they are capable of handling winter storms, including ice events. The towns and the county maintain necessary highway snow removal and winter roadway maintenance equipment. Highway departments are diligent in their efforts to begin clearing with the onset of storms and roads are kept open to the extent possible. Travel is restricted to some degree due to winter conditions, but in general, the county is prepared and equipped to mitigate the damage and effects of winter storms.

Estimate of potential losses: Potential losses include damage to critical infrastructure in the county, as well as public and private property. An additional cost is incurred when emergency assistance and shelter for residents, due to disrupted utility service and poor road conditions, is necessary. Businesses suffer economic losses when they are forced to close during and in the days following an ice storm.

### 3. Winter Storm/Heavy Snowfall Profile:

*Definition: A storm system that develops in late fall to early spring depositing wintery precipitation. Heavy snow is six inches of snow in 12 hours or less, blizzard conditions are*

*characterized by low temperatures, high winds (35mph or greater) and visibility reduced to near zero for at least three hours.*

Winter storms accompanied by heavy snow fall are considered a moderately high hazard by the HAZNY ranking system in Warren County. The region is accustomed to steady snowfall and winter storms, annual average snowfall of 75.6 inches according to NYS HAZ-MIT PLAN , however heavy snow fall that contributes to power outages, and/or road closures are seen as severe.

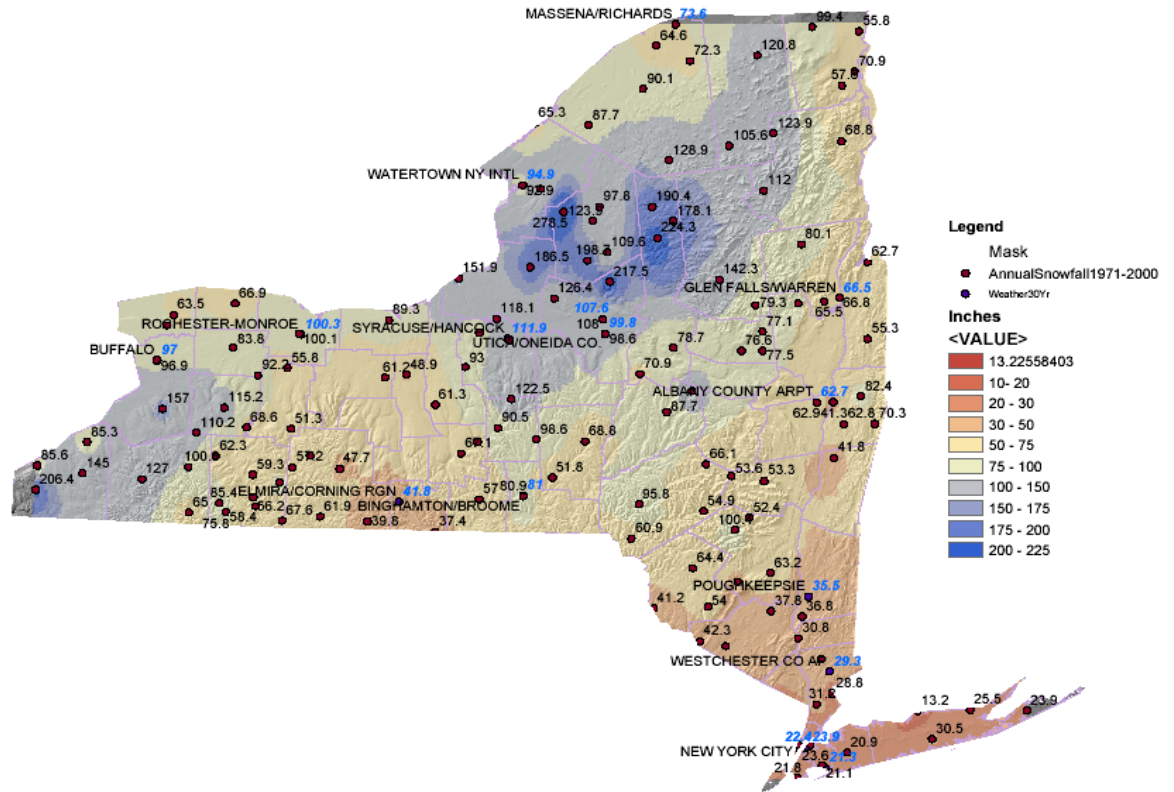
Winter storm/heavy snowfall profile:

Location:	Entire county
Extent:	Refer to definition above
Cascade effects:	Potential to trigger another hazard
Frequency:	Frequent event (occurs more than once a year)
Potential impact:	Serious injury or death is unlikely. Moderate physical/economic damage to private property. Moderate structural damage to county infrastructure.

Warren County annual snowfall varies from approximately 65 inches in the eastern portion to approximately 100 inches in western Warren County. The map below from the NYS Hazard Mitigation Plan indicates the variation.



## Annual Snowfall Normals 1971-2000



**Past hazard events:** Winter storms and heavy snowfall happen with regularity in Warren County. From 1993 to 2009, 104 winter storms were reported by NCDC and 22 of these consisted of heavy snowfall. “Nor’easters” tend to bring the heaviest snowfall to the region; 18 inches in Warrensburg in March 1999, 16 inches in North Creek in January 2000, 28 inches in Bolton Landing in March 2001, and 14-16 inches in the Lake George region in February 2008. (According to the NCDC)

**Probability of future events:** The pattern of winter storm events occurring regularly in Warren County is unlikely to change; prevailing weather patterns and elevation makes this southern Adirondack County vulnerable to frequent winter storm events.

**Potential impact:** Heavy snow fall can contribute to structural collapse of older buildings. Traffic accidents occur due to poor visibility and heavy snow can cause trees, limbs, and utility lines to fall into roadways causing significant impact on traffic flow, possible property damage and power outages.

**Estimate of potential losses:** The cost of roadway maintenance is a part of every municipality’s annual budget, but an inordinate number of these storms in a year can impact the budget. The clearing and maintenance of roadways is a major expense, and repair and maintenance of the electrical grid carries a cost.

#### 4. Severe Storms/Hail

Definition: *Severe storms include hail, wind and severe thunderstorms.*

+ *Thunderstorms are often accompanied by high winds, heavy rainfall and sometimes hail.* The HAZNY results for Warren County place severe storms in the category of a moderately high hazard, ranking sixth in the analysis results. The storms have a cascade effect, predominantly occurring with power outages.

Severe storm profile:

Location: Entire county  
 Extent: Winds gusting in excess of 57 mph, hail  
 Cascade effects: Highly likely to trigger another hazard  
 Frequency: Frequent event (occurs more than once a year)  
 Potential impact: Serious injury or death is unlikely  
 Moderate physical/ economic damage to private property. Moderate structural damage to county infrastructure.

Past hazard events: Severe storms, often accompanied by high winds, lightening and/or hail, are typical events throughout Warren County as illustrated by data from the NCDC. Since 1966 there have been 152 severe thunderstorms reported, many with high winds and/or hail. Several events were determined to be macro bursts (*a large downburst with a 2.5 mile or greater outflow diameter and damaging winds lasting 5 to 20 minutes*) Pottersville (Town of Chester) and the Brant Lake region (Town of Horicon) documented macro bursts in June 2006 and September 2006 respectively. Damages from these events reached \$40,000 to \$50, 000. Below is a chart of major past events with details drawn from area newspaper articles, town references and the NCDC.

Year	# of Storms	Amount of Damage	Anecdotal Information
1990-95	22	\$1,921,000	Unavailable
1996	8	\$979,000	High winds, downed trees on several houses. (8/96) Wind damage, downed power lines in Bolton, Stony Creek, Glens Falls and Chestertown (11/96)
1997	6	\$4,598,000	Lightning destroyed a Head Start classroom, office building at Warrensburg Elementary School
1998	3	\$15,000	Fast moving storms closed State Highway 9N south of Bolton Landing due to tree debris, one storm produced nickel sized hail in Chestertown
1999	5	\$3,864,000	High winds, fallen trees closed roads near Lake George and killed one camper on Uncas Island (8/99) Late July, walnut- sized hail damaged areas near Hague. (9/99) Wolf Pond Valley had winds of 80 mph, hundreds of trees down in a mile long 200 yard wide swath. Power outages lasted up to a week. One storm brought walnut sized hail in Hague.
2000	1	\$950,000	Strong winds brought down trees, power lines and a portion of a block wall at the new Staples store under construction in Queensbury
2001	1	\$9,000	Clustered thunderstorms brought 1 inch sized hail in Queensbury
2002	4	\$372,000	High winds brought down electrical wires igniting a fire

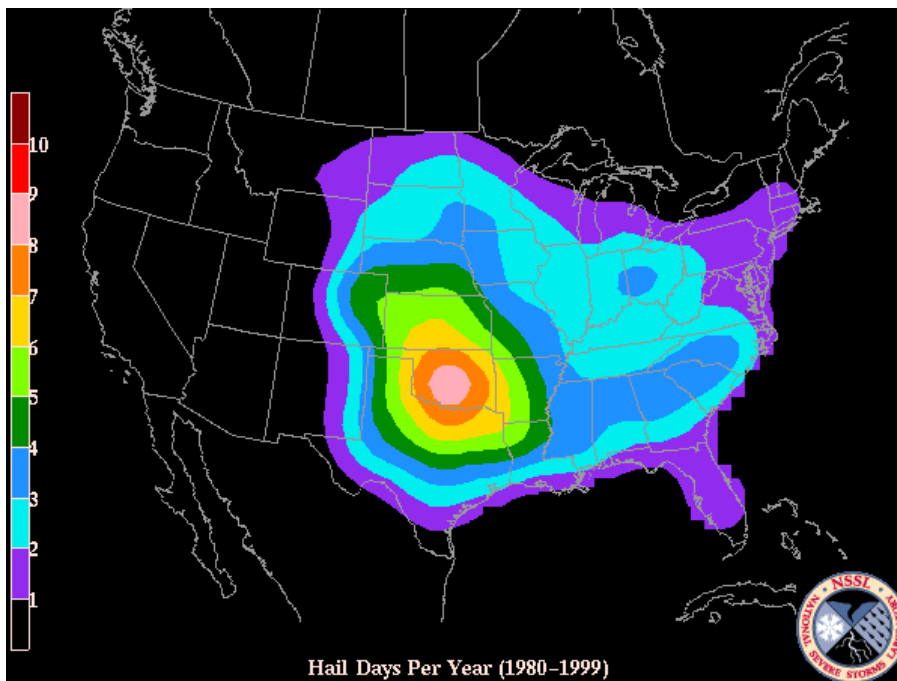
			that destroyed a boat repair business, nine boats and two cabins (3/02) Downed trees and power lines knocked out power for 1,500 customers in the Queensbury/Lake George region (9/02)
2003-04	7	\$351,000	Unavailable
2005-06	11	\$25,000	Downed trees damaged homes in Queensbury, closed part of Bay Road and Rte 149
2007-08	9	\$82,000	Micro burst created wind speeds of 100 mph, many homes damaged on the west and east sides of Brant Lake, swath was 5 miles long and 1 mile wide(9/07)

Probability of future events: Severe storm events are likely to continue to be frequent events within Warren County.

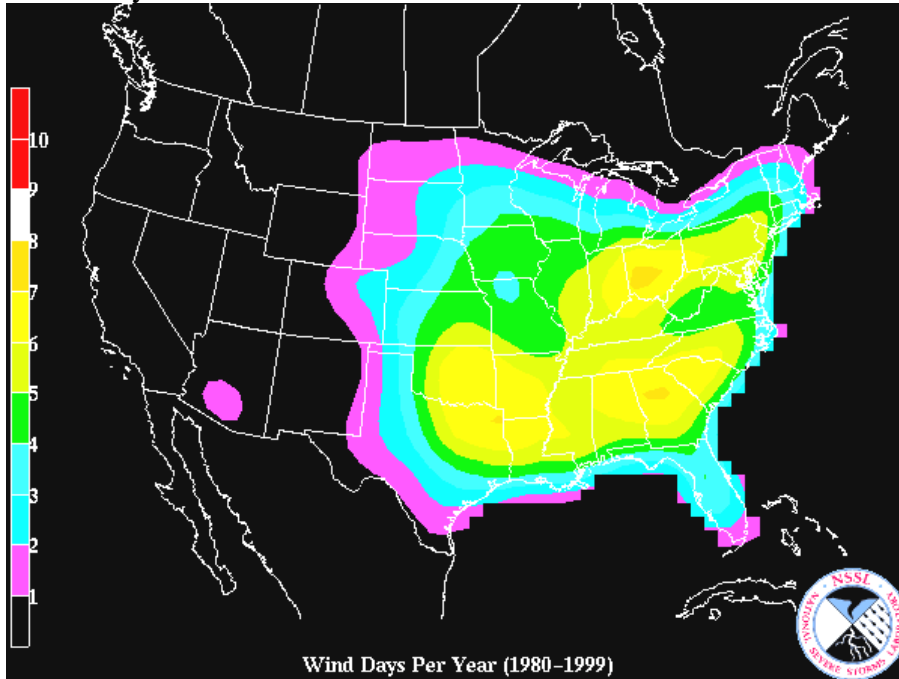
Potential impact Severe thunderstorms, especially accompanied by high winds create road washouts, power failures, downed trees, and flash flooding causing temporary road closures, damage to homes and businesses.

Estimate of potential losses: Road maintenance continues to be a major portion of town budgets. In a year when the number of severe storms increases, there may be budget shortfalls. Residential and commercial losses can range from relatively light to heavy losses due to property damage.

The map below demonstrates the number of hail events in Warren County per year. (1 per year)



The map below designates the number of wind days per year until 1999. Warren County falls within the 3 to 4 day category. Information comes from NOAA's National Severe Storms Laboratory.

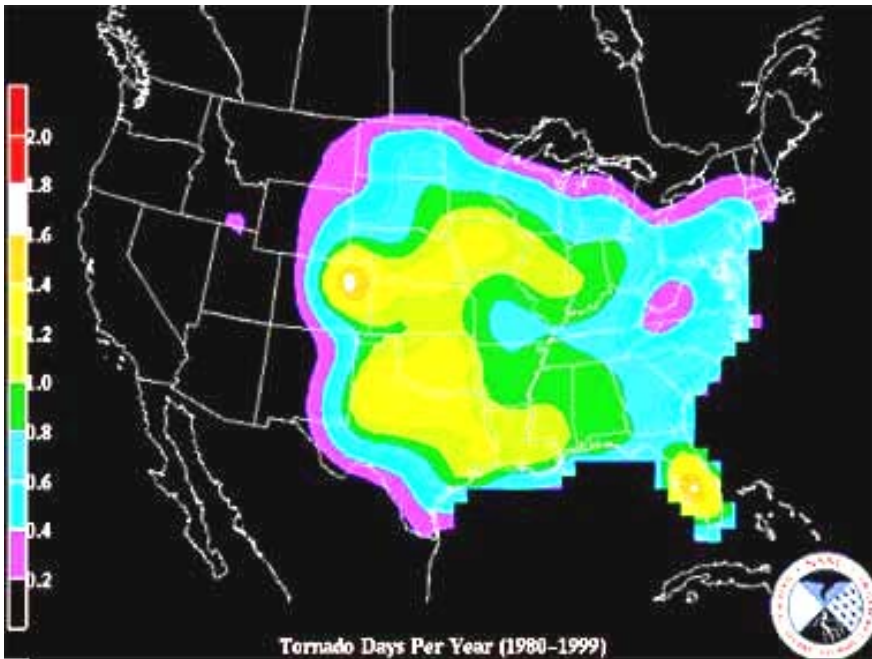


Tornadoes:

Definition: *An atmospheric storm formed by winds rotating at very high speeds, usually in a counterclockwise direction.* Since 1950 there have been 2 tornado events in Warren County; a category F1 in 1978 and an F0 in 1985. A category F0 is characterized by winds from 40-72 mph and F1 is winds from 73-112 mph. On the map below note the areas of possible tornado events. High wind/tornado events have been addressed in the severe storm section of this plan and with mitigating actions.

Tornado profile:

Location:	Southern Warren County
Extent:	Winds gusting in excess of 57 mph
Cascade effects:	Highly likely to trigger another hazard
Frequency:	Infrequent event
Potential impact:	Serious injury or death is unlikely Physical/ economic damage to private property. Structural damage to county infrastructure.



**Probability of Any Tornado:**

The map shows the average number of days per year any tornado, no matter how strong or weak, might occur within 25 miles of a point. The highest numbers indicate where at least one tornado might occur somewhere within 25 miles as often as on 1.5 days per year. Warren County is located in the .2 range.

5. Infestation:

*Definition: An excessive population of insects, rodents, or other animals requiring control measures due to their potential to carry disease, destroy crops or harm the environment.* Portions of Warren County suffer the effects of beavers damming up lakes, ponds, and rivers. The beaver dams do not present the hazard, but when the dams break due to heavy rain or other natural events, the resulting outflow of water creates a cascade of hazardous events.

Infestation profile:

Location:	Town of Lake George, Town of Chester
Extent:	Refer to definition above
Cascade effects:	Highly likely to trigger another hazard
Frequency:	Frequent event (occurs more than once a year)
Potential impact:	Serious injury or death in unlikely Moderate physical/economic damage to private property. Moderate structural damage to county infrastructure.

Past hazard events: The Town of Lake George provided past event history that illustrates the problem. In 2003 a beaver dam washout closed a ½ mile section of road for three days. Dam failure on Prospect Mountain affected Sewell Street residences, and two culverts unable to handle the outflow causes road wash outs twice a year, often up to 5 days. In June 2006 the Town of Chester experienced heavy rains that forced out a beaver dam in the Village of Pottersville, with repairs costing \$40,000.

Probability of future events: The towns of Johnsbury, Lake George, Chester and the Village of Pottersville experience this particular situation regularly, and it is a frequent event.

Potential impact: The unexpected failure of beaver dams and the resultant discharge of water disrupts traffic, creates flooding of roadways and residences.

Estimate of potential losses: The foremost expense to the County is the maintenance of water-damaged roads and culverts in the Towns of Lake George and Chester .

#### 6. Wild fire:

*Definition: An uncontrollable combustion of trees, brush, or grass involving a substantial area of land, with the potential for threatening human life and property. Fire: An uncontrolled burning in residential, commercial, industrial, institutional or other structures in a developed area.*

According to the NYS Haz-Mit Plan, a shifting of housing from urban to rural areas has created a new type of environment – the Wildland/Urban Interface. DEC categorizes the Adirondack Mountains, including 95% of Warren County as a mixed and a classic interface. Mixed refers to large wildland areas with scattered structures and a classic interface is where many structures, often on small lots, border wildlands on a broad front. With the continued migration to the more remote areas these primary homes and/or seasonal homes are susceptible to forest fires since they often build on the edge or in the middle of “fuels” that feed wildland fires (trees, shrubs, and brush) This mix of structures and vegetation may cause erratic fire behavior, increasing the risk to life, property and economic welfare in the Wildland/Urban Interface. The risk for forest fires and other fires is always present - Section II provides maps of fuel loading for each jurisdiction; “Aids to Determining Fuel Models for Estimating Fire Behavior” published by the USDA, is included at the end of Section II.

Wild/Forest Fire profile:

Location: Entire county

Extent: Refer to definition above

Cascade effects: Highly likely to result in other hazards

Frequency: Infrequent (occurs once between every 8 -50 years)

Potential impact: Serious injury or death is unlikely

Severe physical and/or economic damage to private property

Severe structural damage to community infrastructure

Past hazard events: Early in the 20<sup>th</sup> century the region suffered five recorded forest fires with major losses to the lumber industry. Drought throughout July 1998 to August 1999 contributed to serious wildfire threat, resulting in a major event in the French Mountain region of the Town of Lake George. Dry, summer weather, along with gusty winds contributed to the spread of fires in 2002. All burn permits were suspended and DEC banned campfires on all State Forest Preserve lands (except campgrounds). Warren County suffered 13 fires in the month of August and fought the largest fire in the Adirondack Park, on Huckleberry Mountain in the Town of Johnsbury.(75 acres) In April 2006 “Red Flag Alerts” were issued for Warren County by the National Weather Service due to the critical weather conditions existing for extreme fire danger.

Potential impact: A shift in population trends has increased the number of homes and business in or adjacent to wildland areas. Structural losses increase and major losses of life and property may be common.

Probability of future events: Major events are infrequent occurrences.

Vulnerable areas: The entire county is at risk, but especially the regions near or in the forest lands.

Estimate of potential losses: Major events would result in massive losses for the county.

### 7. Earthquake:

*Definition: A sudden motion of the ground due to plate tectonics, resulting in surface faulting, ground shaking or ground failure.*

Earthquake profile:

Location: Entire county

Extent: See narrative below

Cascade effects: Possibly trigger another hazard

Frequency: Rare event (occurs less than once every 50 years)

Potential impact: Serious injury or death is likely  
Severe physical and/or economic damage to private property  
Severe structural damage to community infrastructure

Past hazard events: Earthquakes in Warren County have historically been limited primarily to minor tremors. In April 1931, Warrensburg felt the effects of an earthquake measuring 4.8, where chimneys fell and a church spire twisted. In 1984, a tremor event in the Blue Mountain Lake area impacted much of Warren County. Events in the northern New York region in 1992, 1995, 1999 and 2000 have registered magnitudes of 1.2, 2.6, 1.9 and 1.7 respectively. An event in 2002 measuring 5.1 resulted in a Governor declared state of emergency for Essex and Clinton counties. In addition these events were considerable distance from Warren County; so the events amounted to possible tremors. (See Table 3-53, NYS Hazard Mitigation Plan, below.)

Potential impact: In the event of a major earthquake, Warren County faces considerable losses. Many homes in the County are of older stock and would sustain structural damage. Primary cascade effects would be loss of electricity and potential dam failure.

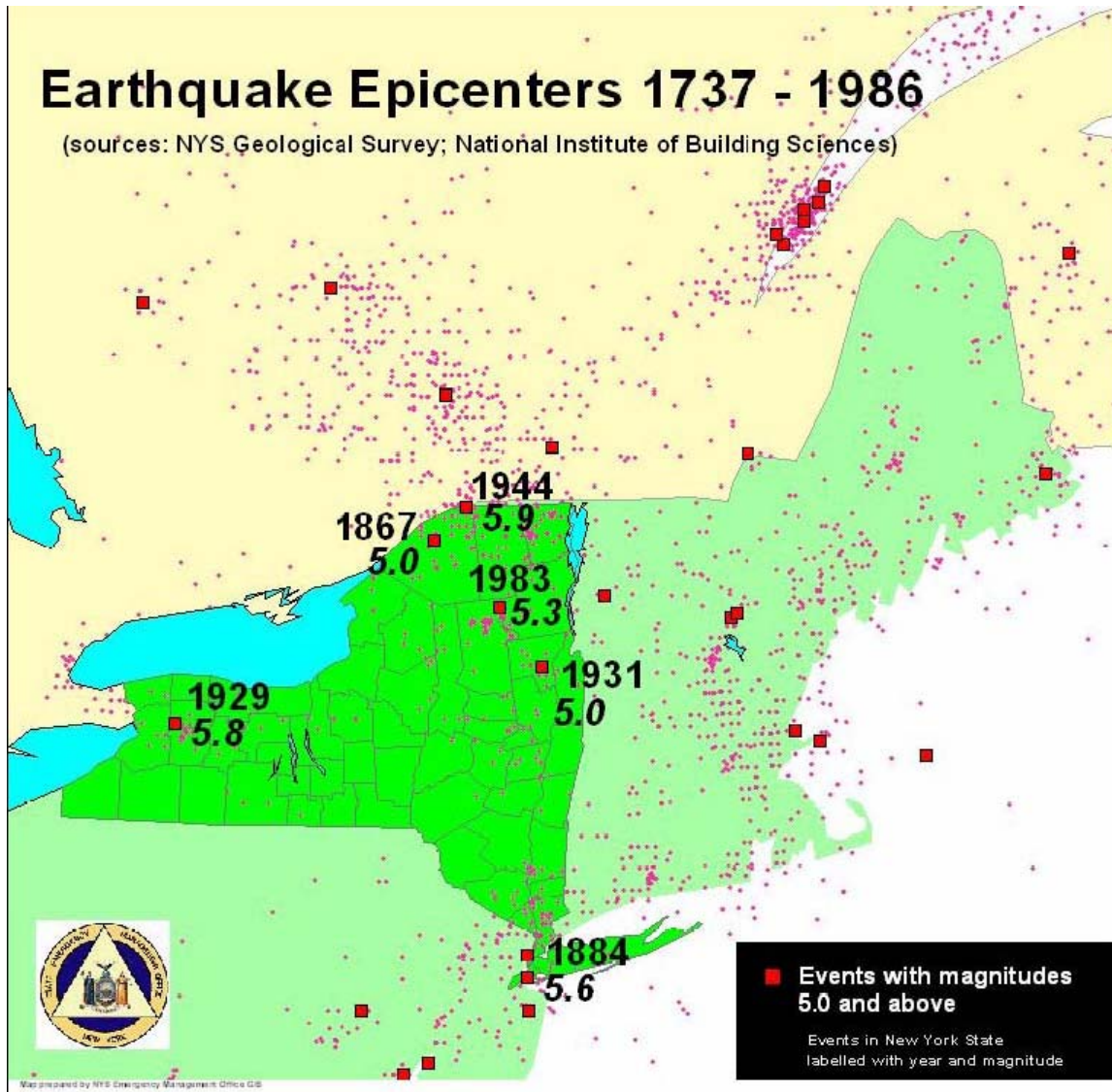
Probability of future events: Rare event

Vulnerable areas: The entire county is vulnerable to damage. Severe damage would result in the more densely populated areas.

Estimate of potential losses: In the event of a major earthquake the losses to Warren County would be immense.

The map below demonstrates the past earthquake events in New York State, pointing out Warren County's history of earthquake events. (1931, 5.0)





Earthquake intensity and classification are commonly measured on two different scales, the Maximum Modified Mercalli Intensity scale and by the Richter Magnitude scale. The following table provides ranking and classification definitions for the two scales.

Magnitude and Intensity Comparison	
Richter Magnitude Scale	Typical Maximum Modified Mercalli Intensity
1.0 to 3.0	I
3.0 to 3.9	II to III



4.0 to 4.9	IV to V
5.0 to 5.9	VI to VII
6.0 to 6.9	VII to IX
7.0 and Higher	VIII or Higher
<b>Defined Modified Mercalli Intensity Scale Rating</b>	
I	Not Felt except by a very few under especially favorable conditions
II	Felt only by a few persons at rest, especially on upper floors of buildings
III	Felt quite noticeably by persons indoors, especially on upper floors of buildings. Many people do not recognize it as an earthquake. Standing motor cars may rock slightly. Vibrations similar to the passing of a truck. Duration Estimated
IV	Felt indoors by many, outdoors by few during the day. At night, some awakened. Dishes, windows, doors, disturbed; walls make cracking sound. Sensation like heavy truck striking building. Standing motor cars rocked noticeably.
V	Felt by nearly everyone; many awakened. Some dishes, windows broken. Unstable objects overturned. Pendulum clocks may stop.
VI	Felt by all, many frightened. Some heavy furniture moved; a few instances of fallen plaster. Damage slight.
VII	Damage negligible in buildings of good design and construction; slight to moderate in well-built ordinary structures; considerable damage in poorly built or badly designed structures; some chimneys broken
VIII	Damage slight in specially designed structures; considerable damage in ordinary substantial buildings with partial collapse. Damage great in poorly built structures. Fall of chimneys, factory stacks, columns, monuments, walls. Heavy furniture overturned
IX	Damage considerable in specially designed structures; well-designed frame structures thrown out of plumb. Damage great in substantial buildings, with partial collapse. Buildings shifted off foundations.
X	Some well-built wooden structures destroyed; most masonry and frame structures destroyed with foundations. Rails bent.
XI	Few, if any (masonry) structures remain standing. Bridges destroyed. Rails bent greatly.
XII	Damage total. Lines of sight and level are distorted. Objects thrown into the air.

### Peak Ground Acceleration Map

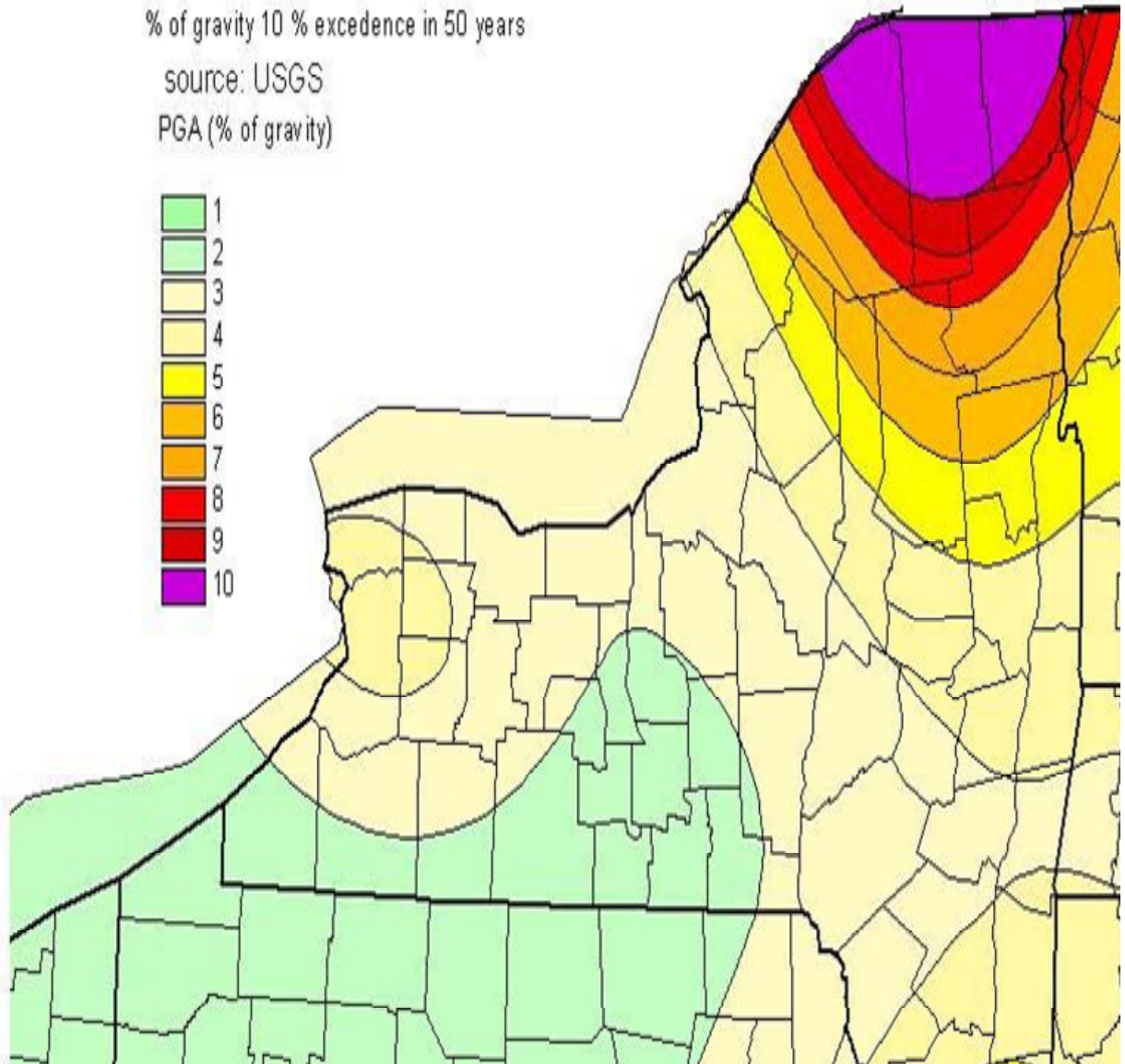
The term used to describe a measure of earthquake acceleration on the ground is called Peak Ground Acceleration (PGA). The Richter magnitude scale is a measure of the total size of the earthquake, while the PGA is how hard the earth shakes in a given geographic area. Below is the Peak Ground Acceleration map for New York State. Warren County falls in the 6% category in the north and 5% in the southern portion.

# EARTHQUAKE HAZARD

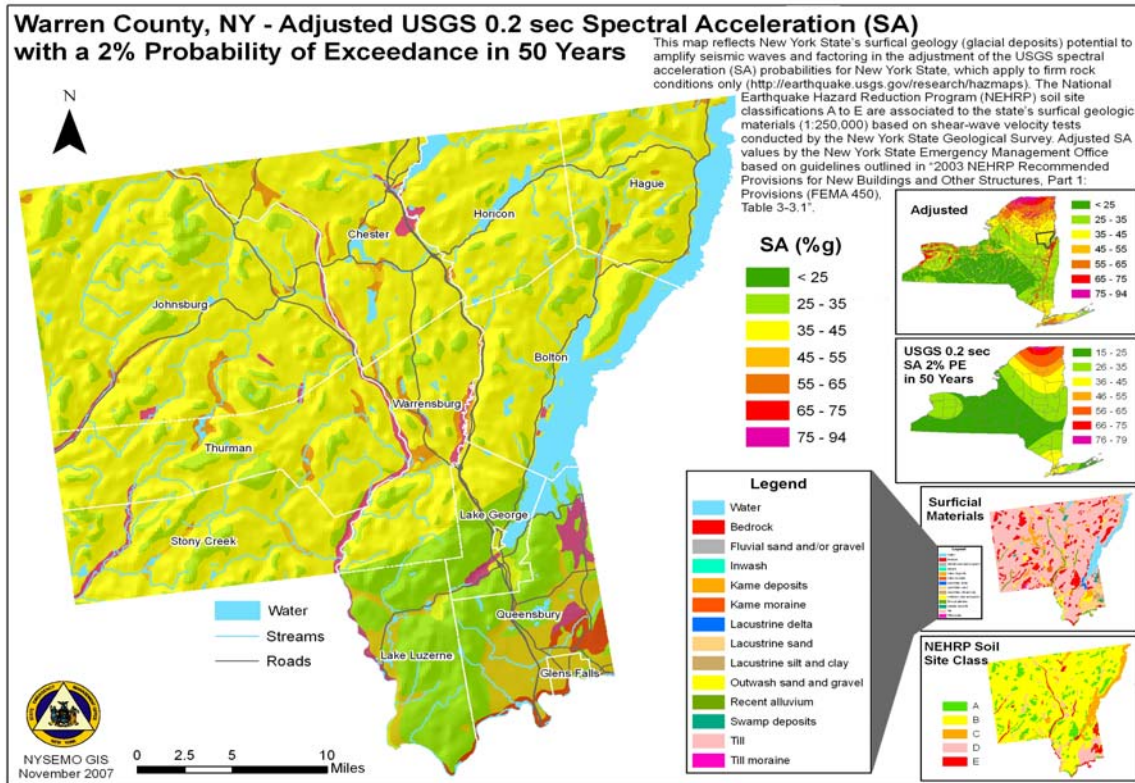
Peak Ground Acceleration - PGA  
% of gravity 10 % exceedence in 50 years

source: USGS

PGA (% of gravity)



The map and chart below illustrate the Spectral Acceleration for Warren County as well as the loss estimates for the county.



### Warren County HAZUS-MH Earthquake Loss Estimation

		Total Losses [x\$1,000]			
County	Total Exposure	2500-year	1000-year	500-year	250-year
Warren	4,475,350	261,034	83,893	29,930	9,442

Source: NYS Haz Mit Plan 2008, Section 3.12 Earthquake Hazard Profile

The chart above provides loss estimates from earthquake damage for Warren County. This information is updated annually, providing the county with annual information to revise the Plan as needed.

The chart below provides details from FEMA and NYS related to hazard events in Warren County taken from the 2009 FEMA Tool Kit:

New York Hazard Events (adapted from FEMA web info and NYS plan)			Notes	All NY	Warren	Washington	Wayne	Westchester	Wyoming	Yates	
<b>DR</b> = Disaster <b>EM</b> = Emergencies <b>FM</b> = Fires <b>X</b> = file with more info <b>n</b> = no county info <b>y</b> = yes, county declared											
Sep 2005	Hurricane Katrina Evacuation	3262-EM			y	y	y	y	y	y	
Apr 2005	Severe Storms and Flooding	1589-DR						y			
Oct 2004	Severe Storms and Flooding	1564-DR					y				
Oct 2004	Tropical Storms Ivan, flooding (Sept 18-19, 2006)	1565-DR	L								
Aug 2004	Severe Storms and Flooding	1534-DR				y				y	
Mar 2004	Snow	3195-EM									
Aug 2003	Severe Storms, Flooding and Tornadoes	1486-DR							y	y	
Aug 2003	Power Outage	3186-EM			y	y	y	y	y	y	
May 2003	Ice Storm	1467-DR			y					y	
Mar 2003	Snowstorm	3184-EM						y			
Feb 2003	Snowstorm	3173-EM									
May 2002	Earthquake	1415-DR									
Mar 2002	Snowstorm	3170-EM							y		
Mar 2002	Snowstorm	1404-DR									
Sep 2001	World Trade Center Terrorist Attack	1391-DR			y	y	y	y	y	y	
Dec 2000	Snow Storm	3157-EM									
Oct 2000	Virus Threat	3155-EM			y	y	y	y	y	y	
Jul 2000	Severe Storms, Flooding	1335-DR								y	
Sep 1999	Hurricane Floyd	1296-DR									
Sep 1999	Hurricane Floyd	3149-EM									
Aug 1999	West Point Fire Complex	2269-FM									
Mar 1999	Winter Storm	3138-EM					y		y		
Jan 1999	Winter Storm	3136-EM							y		
Sep 1998	Severe Storms	1244-DR					y				
Jul 1998	Severe storms and Flooding	1233-DR							y		
Jun 1998	Severe Thunderstorms and Tornadoes	1222-DR							y		

Jan 1998	Severe Storms, Flooding	1196-DR								
Dec 1996	Severe Storms, Flooding	1148-DR								
Nov 1996	Severe Storms, Wind, Flooding	1146-DR					y			
Jan 1996	Snow, Blizzard of '96	1083-DR								
Jan 1996	Severe Storms, Flooding	1095-DR			y	y				
Aug 1995	Sunrise Complex	2115-FM		n						
Aug 1994	Chemung County Flooding	undeclared	X							
Feb 1994	Herkimer County Ice Jam	undeclared	X							
May 1993	Central New York State Flooding	undeclared	X	n						
May 1993	Great Lakes Region Flooding	undeclared	X	n						
Apr 1993	World Trade Center Explosion	984-DR								
Mar 1993	Severe Blizzard	3107-EM								
Dec 1992	Nor'east Storm	974-DR								
Sep 1991	Hurricane Bob	918-DR		n						
Mar 1991	Ice Storm	898-DR		n			y	y	y	
Aug 1990	Westchester County Flooding	undeclared	X				y			
Aug 1990	Putnam County Flooding	undeclared	X							
Aug 1989	Peekskill, Westchester County Flooding	undeclared	X				y			
Nov 1987	Severe Winter Storm	801-DR		n						
May 1987	Flooding	792-DR		n						
Sep 1986	Cattaraugus and Chautauqua County Flooding	undeclared	X							
Oct 1985	Hurricane Gloria	750-DR		n						
Mar 1985	Flooding	733-DR		n						
Mar 1985	Snow Melt, Ice jams	734-DR		n						
Sep 1984	Severe Storms, Flooding	725-DR		n						
Apr 1984	Coastal Storms, Flooding	702-DR		n						
May 1981	Disaster Incident Reported - No Information Available	undeclared	X	n						
Feb 1981	Delaware River Flooding	undeclared	X	n						
May 1980	Chemical Waste, Love Canal	3080-EM		n						
May 1980	Disaster Incident Reported - No Information Available	undeclared	X	n						
Nov 1978	Disaster Incident Reported - No Information Available	undeclared	X	n						
Aug 1978	Chemical Waste, Love Canal	3066-EM		n						

Mar 1978	Disaster Incident Reported - No Information Available	undeclared	X	n					
Apr 1977	Disaster Incident Reported - No Information Available	undeclared	X	n					
Feb 1977	Snowstorms	527-DR		n					
Jan 1977	Snowstorms	3027-EM		n					
Sep 1976	Ice Storm, Severe Storms, Flooding	494-DR		n					
Sep 1976	Hurricane Belle	520-DR		n					
Aug 1976	Broome, Chemung and Tioga County Flooding	undeclared	X						
Aug 1976	New York City, Nassau and Suffolk County Flooding	undeclared	X						
Jul 1976	Erie County Flooding	undeclared	X						
Jul 1976	Broome, Cortland, St. Lawrence, Tompkins and Warren County Flooding	undeclared	X		y				
Jul 1976	Erie County Flooding	undeclared	X						
Jul 1976	Severe Storms, Flooding	515-DR		n					
Jun 1976	Chenango, Delaware, Otsego, Rockland and Schoharie County Flooding	undeclared	X						
Jun 1976	Genesee County Flooding	undeclared	X						
Jun 1976	Chemung, Schuyler, Steuben and Wayne County Flooding	undeclared	X			y			
May 1976	Oswego County Flooding	undeclared	X						
Apr 1976	Fulton and Warren County Flooding	undeclared	X		y				
Apr 1976	Chenango, Saratoga and Wayne County Flooding	undeclared	X			y			
Mar 1976	Allegany and Chautauqua County Flooding	undeclared	X						
Feb 1976	Allegany, Broome, Cattaraugus, Chautauqua, Chemung, Columbia, Delaware, Greene and Tioga County Flooding	undeclared	X						
Jan 1976	Dutchess, Jefferson, Orange, Rensselaer, Saratoga, Sullivan, Ulster, Westchester and Washington County Flooding	undeclared	X			y	y		
Jan 1976	Otsego County Flooding	undeclared	X						
Nov 1975	Chautauqua and Erie County Flooding	undeclared	X						
Oct 1975	Severe Storms, Heavy Rains, Landslides, Flooding	487-DR		n					
Oct 1975	Otsego, Schoharie, Rensselaer and Chenango County Flooding	undeclared	X						
Oct 1975	Albany, Broome, Chenango, Oneida, Otsego, Tioga and Washington County Flooding	undeclared	X			y			
Aug 1975	Erie County Flooding	undeclared	X						



Aug 1975	Chautauqua County Flooding	undeclared	X						
Dec 1974	Flooding (NYS Barge Canal)	3004-EM		n					
Jul 1974	Severe Storms, Flooding	447-DR		n					
May 1974	Monroe and Orleans County Flooding	undeclared	X						
Dec 1973	St. Lawrence County Flooding	undeclared	X						
Jul 1973	Severe Storms, Flooding	401-DR		n					
Jun 1973	Plattsburg, Clinton County Flooding	undeclared	X						
Jun 1973	Columbia, Delaware, Dutchess, Rensselaer, Sullivan and Ulster County Flooding	undeclared	X		y				
Apr 1973	Genesee, Livingston, Monroe, Ontario and Wyoming County Flooding	undeclared	X				y		
Mar 1973	High Winds, Wave Action, Flooding	367-DR		n					
Mar 1973	Village of Champlain, Clinton County Flooding	undeclared	X						
Jun 1972	Tropical Storm Agnes	338-DR		n					
Jun 1972	Coastal Storm Agnes	undeclared	X	n					
May 1972	Herkimer, Montgomery, Rensselaer, Saratoga and Schenectady County Flooding	undeclared	X						
May 1972	Cicero, Onondaga County Flooding	undeclared	X						
Mar 1972	Prattsville, Greene County Flooding	undeclared	X						
Mar 1972	Menands, Albany County Flooding	undeclared	X						
Mar 1972	Sunset Bay, Chautauqua County Flooding	undeclared	X						
Mar 1972	Town of Seneca, Erie County Flooding	undeclared	X						
Mar 1972	Waterford, Saratoga County	undeclared	X						
Sep 1971	Eastern County Flooding	undeclared	X	n					
Sep 1971	Severe Storms, Flooding	311-DR		n					
Aug 1971	Cayuga, Seneca, Tomkins & Wayne County Flooding	undeclared	X			y			
Aug 1971	Erie, Monroe, Onondaga & Oneida County Flooding	undeclared	X						
Oct 1970	Schuyler County Flooding	undeclared	X						
Oct 1970	Sullivan County Flooding	undeclared	X						
Jul 1970	Heavy Rains, Flooding	290-DR		n					
Jul 1970	Broome, Delaware, Schuyler & Tomkins Co Flooding	undeclared	X						
Jul 1970	Cattaraugus County Flooding	undeclared	X						
Apr 1970	Walkill River, Orange County Flooding	undeclared	X						

Apr 1970	Milford, Goodyear Lake, Otsego County	undeclared	X						
Feb 1970	Eagle Bridge, Rensselaer County Flooding	undeclared	X						
Feb 1970	Blenheim, Schoharie County Flooding	undeclared	X						
Feb 1970	Greene and Dutchess County Flooding	undeclared	X						
Sep 1969	Chautauqua and Allegany County Flooding	undeclared	X						
Aug 1969	Orange County Flooding	undeclared	X						
Aug 1969	Heavy Rains, Flooding	275-DR		n					
Jul 1969	Sullivan County Flooding	undeclared	X						
Jun 1969	McGraw and Courtland County Flooding	undeclared	X						
May 1969	Dexter and Jefferson County Flooding	undeclared	X						
Apr 1969	Franklin County Flooding	undeclared	X						
Feb 1969	Delaware County Flooding	undeclared	X						
Oct 1967	Severe Storms, Flooding	233-DR		n					
Sep 1966	Fire Island, Suffolk County High Tide	undeclared	X						
Feb 1966	Chautauqua County Flooding	undeclared	X						
Jul 1964	Rensselaer County Flooding	undeclared	X						
Mar 1964	Flooding Central New York State	undeclared	X	n					
Aug 1963	Erie County Flooding	undeclared	X						
Aug 1963	Erie County Flooding	undeclared	X						
Aug 1963	Heavy Rains, Flooding	158-DR		n					
Mar 1963	Chautauqua County Flooding	undeclared	X						
Mar 1962	Suffolk County Floods and High Tides	undeclared	X						
Mar 1962	Severe Storms, High Tides, Flooding	129-DR		n					
Sep 1960	Hurricane Donna	undeclared	X						
Jun 1960	Broome County Flooding	undeclared	X						
Apr 1960	Ogdensburg, St. Lawrence County Flooding	undeclared	X						
Feb 1960	Schenectady County Flooding	undeclared	X						
Dec 1957	Hudson River Flooding	undeclared	X	n					
Mar 1956	Flood	52-DR		n					
Mar 1956	Flooding	undeclared	X						
Oct 1955	Hurricane Carol	26-DR		n					
Oct 1955	Southern NY Counties Flooding	undeclared	X	n					



Aug 1955	Southern NY Counties Flooding	undeclared	X	n						
Aug 1955	Hurricane Diane, Floods	45-DR		n						
Jan 1949	NE NY Tropical Storm	undeclared	X	n						
Dec 1948	NE NY Tropical Storm	undeclared	X	n						
Sep 1944	Long Island Tropical Storm	undeclared	X	n						
Sep 1938	Ausable River and SE NY Hurricane Flooding	undeclared	X	n						
Mar 1936	Mohawk, Hudson and Susquehanna Flooding	undeclared	X	n						
Mar 1913	Hudson, Genesee Black and Mohawk Flooding	undeclared	X	n						
Oct 1903	Delaware River Flooding	undeclared	X	n						
Mar 1875	Genesee River Ice Jam	undeclared	X	n						
Apr 1865	Black River Flooding	undeclared	X	n						
Mar 1865	Genesee River Flooding	undeclared	X	n						
Sep 1821	Long Island Tropical Storm	undeclared	X	n						
Sep 1815	Long Island Great September Gale	undeclared	X	n						
Aug 1635	Long Island recorded Hurricane	undeclared	X	n						

The following events occur infrequently in Warren County; each is defined and addressed in general terms.

Extreme Temperatures:

Definition: *Extended periods of excessive cold or hot weather with a serious impact on human and/or animal populations.* Warren County occasionally experiences extreme heat/cold temperatures but not for extended periods of time as indicated in the definition; these are seasonal weather events. Extreme temperature events are addressed in the severe storm and heavy snowfall sections of the plan and include mitigation actions.

Landslide:

Definition: *The downward and outward movement of slope-forming materials reacting to the force of gravity. Slides may be comprised of natural rock, soil, artificial fill or a combination of these materials.* According to the NYS Hazard Mitigation Plan, Warren County is considered an area of “low landslide incidence” with only one recorded landslide event from 1837-2007.

Drought:

Definition: *A prolonged period of limited precipitation affecting the supply and quality of water.* Warren County has been an ancillary region in seven drought events in the Albany area (NCDC). April through August 1999 was the second driest period on record in Albany, resulting in a significant drought event for Warren County as well. This noteworthy dry period resulted in serious risk for forest fire in Warren County (see wild/forest fire risk)

Hurricanes:

*Definition: Tropical cyclones, formed in the atmosphere over warm ocean areas, in which wind speeds reach 74 miles per hour or more and blow in a large spiral around a relatively calm center or “eye”* According to the National Climatic Data Center Warren County has not experienced a hurricane in the time period 1950 – 2009 so this is of relatively minor concern to the County. However the problems and costs associated with high wind events has been addressed in the severe storm profile section and mitigation activities.

Subsidence:

*Definition: Depressions, cracks and sinkholes in the earth surface which can threaten people and property.* Land subsidence has been documented in other regions of NYS and the Haz-Mit Plan for NYS recognizes it is “difficult to predict probability of future occurrence, only that it is likely.” As none have occurred within the county to date, none are expected.

**Assessing Vulnerability: Identification of Assets and Development Trends**

To understand risk, community assets are evaluated based upon exposure to hazard events. The inventory of assets considers the population, structures, and lifelines that could be impacted by hazard events. This section presents inventory data used for this risk assessment and discusses development trends in the area of interest. The consideration of development trends is important because areas of future development could increase the inventory that is exposed, and therefore at risk of damage or loss should a hazard event occur.

Inventory data enumerate the people, places, and things that could be injured, damaged, or destroyed during a particular hazard event. Once the general asset inventory has been established, the portion of the inventory that is at risk by the various hazards is identified. This “at-risk” division can be identified by overlaying the hazard area (for example, flood zones) with the asset data to estimate the assets at risk. Districts of residential development may be compared with flood zones to determine the locations and number of structures at risk of damage or destruction from flooding. Understanding vulnerable assets can help guide mitigation strategies and efforts. Hazard exposure and loss estimates use this approach.

The chart below demonstrates the number of individuals considered vulnerable along with the total housing units potentially at risk in each jurisdiction and Warren County in its entirety.

Jurisdiction Town/City/Village	Total Housing Units	Total population	Age 5 and under	Age 65 and older	Total vulnerable
Bolton	2,164	2,117	83 (3.9%)	411 (19.4%)	494(23.3%)
Chester	2,418	3,614	181 (5%)	561 (15.5%)	742(20.5%)
Hague	1,047	854	25 (2.9%)	222 (26%)	247(28.9%)
Horicon	1,767	1,479	40 (2.7%)	281 (19%)	321(21.7%)
Johnsburg	1,714	2,450	113 (4.6%)	461 (18.8%)	574(23.4%)
Lake George Town	2,456	3,578	175(4.9%)	532(14.9%)	707(19.8)
Lake Luzerne	1,949	3,219	174(5.4%)	437(13.6%)	611(19.0%)
Queensbury	11,223	25,441	1,471(5.8%)	3,859(15.2%)	5,330(21%)
Stony Creek	513	743	32(4.3%)	114(15.3%)	146(19.6%)
Thurman	642	1,199	60(5.0%)	174(14.5%)	234(19.5%)
Warrensburg	2,148	4,255	236(5.5%)	582(13.7%)	818(19.2%)
Lake George Village	579	985	42(4.3%)	137(13.9%)	179(18.2%)
Glens Falls City	6,811	14,354	841(5.9%)	1961(13.7%)	2,802(19.6%)
Warren County	34,852	63,303	3,431(5.4%)	9,595(15.2%)	13,026(20.6%)

Section II contains potential conservative Flood Loss Estimates for each jurisdiction within the county based upon 50% of buildings (located in the floodways) experiencing 30% damage. A comprehensive inventory of assets located within the county (with their tax assessed value) is also attached at the end of Section II.

The purpose of the flood maps and forest fire fuel analysis maps is to illustrate how some critical facilities may be impacted based upon their proximity to wooded areas, i.e., potential wildfire(s). Section II contains conservative potential loss estimates due to wildfire; calculations are based upon building, critical facilities, and/or infrastructure that is/are within 100 lineal feet of forested areas. Countywide assets, including roads, bridges and infrastructures are enumerated in Appendix I.

**Severe Repetitive Loss** – Key informants and representatives of the municipalities within Warren County reported that there are two areas within their respective jurisdictions (see chart below) that meet the definition of severe repetitive loss as put forth by FEMA. One area is located in the Town of Johnsbury in the northwest corner of the county; the second is in the Town of Queensbury located in the southeastern portion. The chart on the next page provides details on repetitive loss properties in Warren County since 1978.

<i>FULLNAME</i>	CRS CLRAT	Repetitive Loss #s	Repetitive Loss Paid	# of Policies	TOT_COVER	Total Premiums	Total Claims Since 1978	Paid Claims Since 1978	V_ZONE	A_ZONE	Insurance in Force
<i>BOLTON, TOWN OF</i>	0	0	\$0	17	\$4,021,000	\$7,901	4	\$38,857	0	4	\$4,021,000
<i>CHESTER, TOWN OF</i>	0	0	\$0	26	\$3,881,800	\$16,803	33	\$20,201	0	15	\$3,881,800
<i>GLENS FALLS, CITY OF</i>	0	0	\$0	5	\$546,000	\$1,043	0	\$0	0	0	\$546,000
<i>HAGUE, TOWN OF</i>	0	0	\$0	9	\$2,375,800	\$5,837	4	\$8,021	0	3	\$2,375,800
<i>HORICON, TOWN OF</i>	0	0	\$0	18	\$3,480,400	\$13,170	3	\$27,046	0	10	\$3,480,400
<i>JOHNSBURG, TOWN OF</i>	0	1	\$55,217	14	\$2,076,300	\$8,027	4	\$56,869	0	7	\$2,076,300
<i>LAKE GEORGE, TOWN OF</i>	0	0	\$0	5	\$865,000	\$2,897	1	\$31,400	0	1	\$865,000
<i>LAKE GEORGE, VILLAGE OF</i>	0	0	\$0	3	\$720,000	\$3,113	1	\$2,759	0	2	\$720,000
<i>LAKE LUZERNE, TOWN OF</i>	0	0	\$0	36	\$5,445,900	\$29,687	12	\$13,123	0	28	\$5,445,900
<i>QUEENSBURY, TOWN OF</i>	0	1	\$3,577	77	\$16,780,800	\$73,388	34	\$95,988	0	49	\$16,780,800
<i>STONY CREEK, TOWN OF</i>	0	0	\$0	3	\$317,700	\$2,166	0	\$0	0	3	\$317,700
<i>THURMAN, TOWN OF</i>	0	0	\$0	3	\$462,000	\$732	4	\$70,132	0	0	\$462,000
<i>WARRENSBURG, TOWN OF</i>	0	0	\$0	22	\$3,179,700	\$12,618	7	\$11,648	0	14	\$3,179,700
<i>WARREN COUNTY</i>	0	2	58,794	238	44,152,400	177,382	107	376,044	0	136	44,152,400

## Mitigation Strategies

Hazard mitigation reduces the potential impacts and costs associated with emergency and disaster related events. Mitigation activities address a range of impacts, including impacts on the population, property, the economy, and the environment.

Mitigation activities can include activities such as: revisions to, and enforcement of, building codes; revisions to land-use planning; training and education, and structural and nonstructural safety measures.

An overview of past and current mitigation efforts in Warren County is valuable as a foundation for understanding the mitigation goals, objectives and activities to be outlined. In the past, Warren County and its jurisdictions have undertaken numerous activities demonstrating a continual effort to implement hazard mitigation projects. As one example, the County has prepared a Comprehensive Emergency Management Plan to address various regional concerns. Various projects are on-going in the county at this time;

2008 Repair and replacement of the Butler Storage Reservoir Dam and the Butler Pond Dam in Glens Falls (Common Council Minutes April/May 2008)

2008 New gate installation for lower dam on Mill Pond and wing wall repair on the upper dam on Mill Pond – Town of Horicon (Spring 2008 Newsletter)

2008 Submission of Loon Lake Dam Emergency Action Plan to DEC, including a “what if” the dam went out and who would be flooded downstream Town of Chester (Meeting Minutes July 2008)

2009 Paving projects in 11 towns and Glens Falls (Summer 2009, County DPW)

Below is a list of anticipated county Department of Public Works (DPW) projects from the Warren County DPW Website.

<b>FEDERAL (80%)/STATE (15%) AID PROJECTS</b>			
<b>Site</b>	<b>PROJECT</b>	<b>COST</b>	<b>DATE COMPLETED</b>
Corinth Road - Main Street Corridor in the Town of Queensbury and City of Glens Falls	Total reconstruction, upgrade utilities, and widen to 3 lanes	\$12.654 Million	2008-2010
Middleton Bridge over the Schroon River in the Towns of Bolton and Warrensburg	Possible bridge replacement	1.793 Million	2009
Tannery Road Bridge over Stony Creek in the Town of Stony Creek	Bridge Replacement	1.447 Million	2008

Grist Mill Road Bridge over Stony Creek in the Town of Stony Creek	Bridge Replacement	1.103 Million	2008
Woolen Mill Bridge (Milton Street) over the Schroon River in the Town of Warrensburg	Bridge Replacement	2.893 Million	2008
Beach Road in the Town and Village of Lake George	Reconstruction, utility and drainage upgrade and multi modal safety improvements	5.002 Million	2010
Harrington Road Bridge over Mill Creek in the Town of Johnsbury	Possible bridge replacement	1.055 Million	2010
Alder Brook Road Bridge over Trout Brook in Chestertown	Possible bridge replacement	1.469 Million	2008

A majority of the jurisdictions have Comprehensive Plans either completed or in-process at this time. Emergency Management Plans are found in each jurisdiction as well as Warren County. Seven townships and the City of Glens Falls have zoning boundaries and codes, reviewed in 2008. For those jurisdictions without a Zoning Plan, Warren County has a countywide plan in use that adheres to Adirondack Park Agency (APA) guidelines. The NYS Uniform Fire Prevention and Building Code is enforced throughout the county, with additional local building codes enforced in the Town of Queensbury and the City of Glens Falls.

**Zoning Data** (taken from the Warren County Planning Board website)

The majority of the communities in Warren County have their own zoning regulations, and the remaining municipalities adhere to the NYS Adirondack Park Agency Land Classification. Listed below are the respective zoning layers available for Warren County.

<b>Layer</b>	<b>Data Source</b>
<u>Town of Bolton Zoning</u>	Warren County
<u>City of Glens Falls Zoning</u>	Warren County
<u>Town of Hague Zoning</u>	Warren County
<u>Town of Horicon Zoning</u>	Warren County
<u>Town of Lake George Zoning</u>	Warren County
<u>Town of Lake Luzerne Zoning</u>	Warren County
<u>Town of Queensbury Zoning</u>	Town of Queensbury Planning Dept.
<u>Town of Warrensburg Zoning</u>	Warren County
<u>Adirondack Park Land Classification</u>	Adirondack Park Agency

## **Vision Statement**

Warren County subscribes to the Hazard Mitigation Vision Statement developed by the State Mitigation Summit of 2002 and 2008:

“To create communities whose daily activities reflect a comprehensive commitment by government, business, non-profit organizations and the public to eliminate or reduce risks and adverse impacts from natural, technological and human-caused hazards.”

## **Mitigation Goals**

Mitigation goals for Warren County act as general guidelines representing a long range vision for hazard reduction and the enhancement of mitigation capabilities. The goals are compatible with the concepts expressed in available planning documents for the multiple jurisdictions.

Goal 1: Protect life and property

- Introduce mitigation activities that will make homes, businesses and critical facilities more hazard resistant
- In areas vulnerable to hazards, encourage businesses and homeowners to take preventive actions when possible.
- Periodically review existing building codes, safety procedures, town and county ordinances to update recent standards for building protection.
- Immediately enforce existing building codes within the jurisdiction
- Encourage owners of home and businesses and renters to purchase appropriate insurance coverage for potential damages from hazards.
- Implement mitigation activities encouraging protection of the environment

Goal 2: Increase public awareness

- Continue developing and integrating education and outreach programs in an effort to enhance public awareness of the hazards, providing information on specific activities for individuals in anticipation of a hazard event .
- Provide information on current government programs and funding resources to assist with mitigation
- Strengthen communication and cooperation between public agencies, citizens, non-profit groups, and businesses to implement mitigation activities effectively.

Goal 3: Provide for Emergency Services

- Coordinate hazard mitigation activities with existing local emergency plans
- Identify and plan for acquiring any specific emergency services and equipment needed to improve response capabilities for specific hazards
- Review emergency traffic routes, making changes as needed, and educating the public as to the routes

## **Natural Hazards – Mitigation Goals, Objectives, Strategies**

Warren County jurisdictions identified a broad range of actions for mitigation planning. Input from local government agencies, social service organizations, residents and others



contributed to the development of the current list of mitigation actions. No reasonable natural hazard mitigation actions were dismissed.

The following section lays out the mitigation goals and actions developed through the hazard mitigation planning process. Timelines for projects and planning actions that require additional staff and funding are dependent on the securing of necessary funding. The most likely funding sources for these actions are listed in the table. Additional potential funding sources are included in Appendix G: Federal, State, and other funding sources. The County and participating municipalities have limited resources to take on new responsibilities or projects. The implementation of these mitigation activities is dependent on the approval of each local elected governing body and the ability of the communities to obtain funding from local or outside sources. The communities will work together and with the County, SEMO, and other agencies to secure funds. Potential appropriate funding sources are noted for specific mitigation actions, however until application(s) for funds is(are) made, no particular funding source is yet identified.

Proposed mitigations actions in the following section and the Jurisdictional Annex have the support of all the jurisdictions. This is demonstrated in the approval of the Plan by each jurisdiction as well as the fact that the county form of government followed in Warren County includes Town Supervisors as established members of the County Board of Supervisors. All municipal activities will begin under the direction of the executive, i.e. town supervisor, mayor. Additionally, training of local code officials is planned to ensure that those building code elements related to minimizing earthquake damage are known, enforced and disseminated to the public.

Mitigation projects were evaluated based on the costs, timeframe for implementation and ease of implementation. Based on their collective expertise in pertinent areas, the ERPC assigned time frames based on the categories of *immediate*, *short-term*, and *long term*. *Immediate* is within 6 months, *short-term* is within 1 year and *long term* is within 3 years. Priorities were determined by considering cost, staffing availability, and benefit to the jurisdiction, with *high* indicating a low cost, broad impact action, *medium* indicating a future project with potential funds available and *low* priority indicating a long term endeavor, with an alternate funding source necessary. Warren County recognizes that FEMA requires a formal benefit-cost analysis (BCA) of mitigation measures when requesting approval for HMGP funding. A formal BCA is not a requirement in the Hazard Mitigation Plan. A formal BCA as well STAPLEE will be conducted previous to the annual review of the Plan. Specific mitigation actions are noted below in the Implementation Strategy Plan

## IMPLEMENTATION STRATEGY PLAN

\* Refer to Appendix G – Funding Resources

Low - low cost – under \$10,000

High – High cost – over \$10,000, need alternative funding source

<b>Hazard/Risk</b>	<b>Objective</b>	<b>Strategy</b>	<b>Lead Agency</b>	<b>Funding</b>	<b>Target Date/Time frame</b>	<b>Exist ing/ New Buil dings</b>	<b>Priority  High Medium Low</b>
Reduce the impact of <b>severe snow/ ice storms</b>	Improve public awareness of hazard Goal 2	Educate county residents with information regarding steps to be taken to decrease the impact of ice storms on property (Appendix D)	County Office of Emergency Services will provide information executives of each municipality will direct dissemination	Current funding Low	Fall 2010 Ongoing I	y	H
	Keep trees from threatening lives, property, and public infrastructure during storm events Goal 1	Monitor and remove trees/limbs in storm areas.	DPW,(County, Towns)	Current funding Low	Fall 2010 ongoing I	y	H
	Ensure critical facilities have needed backup power Goal 3	Obtain funding to purchase generators for municipally owned critical facilities	Office of Emergency Services, executives of each	TBD* High	Fall 2010 ongoing LT	y	L

			municipality				
	Identify emergency concerns of specific needs populations Goal 3	Survey populations as to their requirements	County Office of Emergency Services, Social Services Department, County Public Health, Office of the Aging	Current funding Low	Fall 2010 ongoing ST	n/a	M
	Ensure efficient use of resources, during and after storm events Goal 3	Coordinate emergency services, public works departments, and public utilities.	Executives of each municipality, County executives	Current funding Low	Fall 2010 Ongoing I	n/a	H
	Implement debris removal as soon as possible Goal 1	Develop plans for debris management after severe winter snow/ice events.	DPW(County and Towns)	Current funding Low	Fall 2010 ongoing	n/a	H
	Connect with elderly, handicapped, low-income, during major events. Goal 2	Design a network of citizens that will check in on individuals during major events	Department of Social Services, Office of the Aging, Municipal executives	TBD* High	Fall 2010 ongoing I	n/a	L
Reduce the potential damage and threat to life and property from <b>wild/forest fires</b>	Improve public awareness of hazard prevention Goal 2	Educate county residents with information regarding steps to be taken to decrease the impact of wild/forest fires on property (Appendix D)	County Office of Emergency Services will provide information executives of each municipality	Current funding Low	Fall 2010 Ongoing I	y	H

			will direct dissemination				
	Review zoning and guidelines for compliance with national “FireWise Communities” program (Appendix D) Goal 1	County Office of Emergency Services will conduct a review of “FireWise Communities” guidelines to develop a Best Practices summary. Each municipality will review the summary and make modifications to their zoning practices	County Office of Emergency Services, County Fire Prevention and Building Codes Office, Town of Queensbury, City of Glens Falls Code Officials, executives of each municipality	TBD* High	Fall 2010 through Fall 2013 LT	y	L
	Fire fighter training/updating Goal 3	Each jurisdiction will send a representative to the NYS Wildland Fire Suppression Training (Appendix D)	Executive of each jurisdiction, County Office of Emergency Services	TBD* Low	On going I	n/a	M
	Educate fire departments on DEC Wildfire Management Draft Plan Goal 3	DEC will inform county about shared services in Draft Plan	County Office of Emergency Services and DEC	DEC/ NYS Low	On going I	n/a	H
	Educate fire departments on assistance from NFFPC Goal 3	DEC will inform county about shared services through Northeastern Forest Fire Prevention Compact(NFFPC)	County Office of Emergency Services and DEC	DEC/ NYS Low	On going ST	n/a	H
Reduce the impact from <b>severe storms/winds</b>	Improve public awareness of impact of hazard Goal 2	Educate residents regarding steps to be taken to decrease damage	County Office of Emergency Services will	Current funding Low	Fall 2010 Ongoing I	y	H

		from storms on property by providing brochures. (Appendix D)	provide brochure, executives of each municipality will direct dissemination				
	Ensure existing storm related building codes are enforced per the current code. Goal 1	Municipal executive to require Code Enforcement Officer to present building guideline details in the jurisdiction relating to severe storms	Executives of each municipality, County Building Codes Office, City of Glens Falls, Town of Queensbury Code Officials	Current funding Low	Fall 2010 Ongoing I	y	H
	Keep trees from threatening lives, property, and public infrastructure during storm events Goal 1	Monitor and remove trees/limbs in storm areas that present potential hazards	DPW, (County, Towns)	Current funding Low	Fall 2010 ongoing I	y	H
	Ensure efficient use of resources, during and after storm events Goal 3	Coordinate emergency services, public works departments, and public utilities.	Municipal executives County Emergency Services	Current funding Low	Fall 2010 Ongoing I	n/a	H
	Ensure for debris removal as soon as possible Goal 1	Implement plan for debris management after severe storm events.	DPW(County) and Highway Dept.(Towns)	Current funding Low	Fall 2010 ongoing I	n/a	H
	Ensure critical facilities have needed backup power Goal 3	Obtain funding to purchase generators for critical facilities	County Office of Emergency Services, municipality Executives	TBD* High	Fall 2010 ongoing I	y	L

Reduce the impact from <b>tornado</b>	Improve county wide public awareness with information on steps to be taken to identify risk Goal 2	Educate residents to identify a tornado watch from a tornado warning and actions to take in each case; all municipalities will post information	County Office of Emergency Services will provide information, executives of each municipality will direct dissemination	Current funding Low	Fall 2010 ongoing I	y	H
Reduce the impact from <b>earthquake</b>	Ensure existing earthquake-related building codes are enforced. Goal 1	Municipal executive to require Code Enforcement Officer present earthquake-related building codes information in their jurisdiction Provide training for local code enforcement officials	Executives of each municipality, County Building Codes Office, City of Glens Falls, Town of Queensbury Code Officials	NYS Low	Fall 2010 through 2011 I	y	H
	Improve county wide public awareness with information on steps to be taken to identify risk Goal 2	Educate residents relating to steps taken to alleviate potential earthquake damage by providing brochures/pamphlets(Appendix D)	County Office of Emergency Services will provide brochure/pamphlet, executives of each municipality will direct dissemination	Current funding Low	Fall 2010 I	y	H
Reduce the impact from <b>flooding</b>	Improve county wide public awareness of hazard Goal 2	Provide residents with information listing steps taken to lessen potential flood damage(Appendix D)and increase knowledge of NFIP	County Office of Emergency Services will provide pamphlets, executives of	Current funding Low	Fall 2010 I	y	H

		services	each municipality will direct dissemination				
	Maintain cleared areas around roadways(obstructions of groundwater, <b>infestation</b> ) Goal 1	Clear areas around Truesdale Hill Road, Prospect Mountain, Sewell Street area, all county roads	Town of Lake George DPW and county DPW	Current funding Low	Fall 2010 I	y	H
	Maintain cleared areas around roadways(obstructions of groundwater, <b>infestation</b> ) Goal 1	Clear areas around Riverside Station Road, River Road, all county roads	Town of Johnsbury DPW and county DPW	Current funding Low	Fall 2010 I	y	H
	Alleviate flooding of roadways Goal 1	Elevate roads to avoid flooding, River Road, Sky-High Road, West Stony Creek Road, all county roads	Town of Thurman DPW and county DPW	TBD* High	Summer 2011 LT	y	L
	Alleviate flooding of roadways Goal 1	Elevate or reroute roadways/bridges to avoid flooding, Pack Forest Road Bridge, Alden Avenue Extension, all county roads	Town of Warrensburg DPW and county DPW	TBD* High	Summer 2011 LT	y	L
	Alleviate flooding of roadways	Elevate or reroute roadways/bridges to avoid flooding, Pease Hill Road, Hayford Road,	Town of Horicon DPW and county DPW	TBD* High	Summer 2011 LT	y	

		River Road, all county roads					
	Alleviate flooding of roadways Goal 1	Elevate or reroute roadways/bridges to avoid flooding, Barney Hill Road Baker's Mills area, all county roads	Town of Johnsburg DPW and county DPW	TBD* High	Summer 2011 LT	y	L
	Participation in the Community Rating System(CRS) by NFIP municipalities Goal 1	Communities will begin participation in CRS and inquire as to their points toward current status (Appendix D)	Executives of individual municipalities	TBD* High	Spring 2011-2013 LT	y	L
	Eliminate obstructions to surface water drainage(Appendix E) Goal 1	Identify and examine culverts in affected areas regularly, remove obstructions as necessary	DPW(County and Towns), County GIS Coordinator	Current funding/ DEC Low	Fall 2010 ongoing I	n/a	H
	Clean and maintain stormwater drains and catch basins Goal 1	Identify and examine stormwater drains and catch basins in affected areas, follow County DPW guidelines for maintenance (Appendix D)	DPW(County and Towns) County GIS Coordinator	Current funding Low	Fall 2010 ongoing I	n/a	H
	Create effective flood mitigation activities for "hot spots" within the county Goal 1	Identify, evaluate and implement activities in flood areas(Appendix E)	DPW(County and Towns)	TBD* High	Fall 2010 ongoing LT	y	L
	Community outreach Goal 2	Educate the community on benefits of carrying NFIP policies	Town Floodplain Administrators**, City of Glens Falls Flood Plain Administrator	Current funding Low	Fall 2010 ST	y	



	Ensure flood prone areas have updated information via County web site Goal 2	Identify new flood data and prioritize areas	GIS Coordinator, Office of Emergency Services, FEMA mapping	Current funding Low	Fall 2010 I	y	H
	Ensure all jurisdictions have flood damage prevention codes, identify flood hazard areas in Town codes Goal 1	Town zoning and emergency codes to be reviewed and updated	Executives of each municipality, Flood Plain Administrators** Town Floodplain Administrators, City of Glens Falls Flood Plain Administrator	Current funding Low	Fall 2010 ongoing I	y	H
Reduce the threat to life and property from <b>multiple hazards</b>	Ensure consistency with the goals/objectives of this plan and existing local plans Goal 1	Review local plans integrating goals, objectives, activities not found in existing regulatory documents as appropriate	Executives of each municipality, Office of Emergency Services	Current funding Low	Fall 2010 to Fall 2011 I	y	H
	Public awareness of hazard warning systems in county jurisdictions Goal 1, 2	Disseminate via Warren County web page of all warning systems in place and how the public should notify officials of a potential hazard	Developed by jurisdictional emergency services with the county Emergency Services Office,	Current funding Low	Winter 2010-11 I	n/a	H
	Maintain a current inventory of at-risk buildings and infrastructure Goal 1, 3	Continually update inventory of at-risk structures in each jurisdiction	Executives of each municipality, Office of Emergency	Current funding Low	Fall 2010 ongoing LT	y	M

			Services				
	Maintain list of year built and level of protection for each critical facility relating to all applicable hazards Goal 1, 3	Conduct a study to determine year built, and level of vulnerability for each critical facility	Warren County GIS Coordinator, Municipal Executives	Current funding Low	Fall 2011 LT	y	M
	Seek funding for mitigation projects needed to provide a level of protection for critical facilities Goal 1, 3	Apply for grants to assist with mitigation activities	Warren County Emergency Services, Hazard Mitigation Coordinator, Municipal Executives	TBD* High	Spring 2012 LT	y	L
	Foster involvement in communication/collaboration between the County and municipalities Goal 2	Develop and hold public hearings related to the inclusion of mitigation activities in local laws, encourage the public to add to the collaboration efforts	Warren County, Executives of municipalities	Current funding Low	Fall 2010 ongoing I	n/a	M
	Maintain and expand emergency preparedness and response countywide Goal 3	Increase communication and cooperation between County/local DPW and County/local emergency services. Link emergency services with hazard mitigation programs	Executives of each municipality, County/local DPW, emergency responders (County and local), Office of Emergency Services, County Public Health	Current funding Low	Fall 2010 ongoing I	n/a	H
	Educate citizens,	Develop, enhance and	Executives of	TBD*	Fall 2010		

	public agencies, private property owners, businesses and schools on mitigating hazards and reducing risks Goal 2	implement education programs, brochures, school presentations informing groups about ways to reduce risk	each municipality, Superintendent of area school districts, County Public Health, Red Cross	Low	ongoing I	n/a	H
	Encourage homeowners to buy hazard insurance when possible Goal 1	Develop an outreach program to inform public about options available,	Executives of each municipality, Office of Emergency Services, Red Cross	TBD* Low	2011 ST	y	H
	Ensure code enforcement and inspection services Goal 1	Continue education, training and updated information to Municipal Flood Plain Administrators	Executives of each municipality, Flood Plain Administrators**	NYS High	Fall 2010 ongoing I	y	M
	Maintain prioritization of objectives/strategies in Plan Goal 2	Make revisions and update information using the STAPLE+E criteria	Executives of each municipality, County Hazard Mitigation Officer	TBD* High	2013 LT	y	M
	Re-evaluate mitigation action priorities and update the plan.	Update mitigation action priorities using BCA as detailed in FEMA Tool kit(FEMA 386-5)	Executives of each municipality, County Hazard Mitigation Officer	TBD* High	2013 LT	y	M
	Protect property development from	Implement zoning regulations to discourage	Executives of each jurisdiction	Current funding	Fall 2010 ongoing	n/a	M

	disaster prone areas county wide Goal 1	building new structures in disaster prone areas	Municipal Zoning and Flood Plain Administrators**	Low	ST		
	Maintain documents used and required for the mitigation plan Goal 3	Create a centralized library of all documents used	County Mitigation Officer	Current funding Low	Fall 2010 ongoing I	n/a	H
	Protect property development from disaster prone areas county wide Goal 1	Implement building codes that reflect disaster resistant construction for new structures and renovation	Executives of each jurisdiction and Code Enforcement Officer	Current funding Low	Fall 2010 ongoing I	y	M
	Maintain/adjust mitigation action priorities	Use STAPLE-E and Benefit/Cost Analysis of mitigation action projects.	County Hazard Mitigation Officer, ERPC (Planning Committee)	Current Funding Low	Annually beginning 2011 ST	n/a	H

\*\* Flood Plain Administrators

List of Local Flood Damage Prevention Administrators:

Town of Bolton—Zoning Administrator  
 Chestertown—zoning Administrator  
 Town of Hague—Zoning Administrator  
 Town of Horicon—Zoning Administrator  
 Town of Johnsburg—Zoning Administrator  
 Town of Lake George—Zoning OFFICE  
 Village of Lake George—BUILDING & ZONING ADMINISTRATOR  
 Town of Lake Luzerne—PLANNING BOARD  
 Stony Creek—Codes Administrator Warren County Office of Code Enforcement  
 \*\*\*this is currently under review as there is no inter-municipal agreement authorizing the administrator  
 Thurman—TOWN BOARD  
 Warrensburg—WARRENSBURG CODE ENFORCEMENT OFFICE  
 Town of Queensbury—Director of Codes  
 City of Glens Falls—Zoning Enforcement Officer

**Next steps** This draft plan will be reviewed by Warren County Emergency Services, the County Mitigation Coordinator, and ERPC Committee. Revisions, additions and adjustments will be made. Town Supervisors will provide input and public hearings will be held. The input from all parties involved will be reviewed by the planning group, documented and discussed and used to prepare a final plan acceptable for adoption by all of the participating jurisdictions and approval by SEMO as a compliant, multi-jurisdictional pre-disaster hazard mitigation plan, designed to meet the state and federal requirements for mitigation planning.

**Plan Monitoring/ Maintenance**

In an effort to foster hazard awareness and facilitate planning continuity, new elected and appointed town, village, and county officials will be presented an opportunity to review the *Warren County Multi-jurisdictional Hazard Mitigation Plan* (the Plan). It is good policy for City, Town and Village jurisdictions to consider the Plan when developing or updating zoning, land use, and community development activities and prior to adoption of new zoning or land use regulation(s) to integrate hazard mitigation that will reduce the effects of natural disasters on life and property.

A survey of jurisdictions resulted in the following information.

Jurisdiction Town/City/Village	Comprehensive Plan/Land Use	Zoning Ordinance	Town/City/Village Codes
Bolton	y	y	y
Chester	y	y	y
Hague	y	y	y
Horicon	y	y	y
Johnsburg	y	y	y
Lake George Town	y	y	y
Lake Luzerne	y	y	y
Queensbury	y	y	y
Stony Creek*			y
Thurman*			y
Warrensburg	y	y	y
Lake George Village	y	y	y
Glens Falls City	y	y	y
Warren County	y	y	y

\* Town relies on Adirondack Park Agency regulations

The *Warren County Multi-Jurisdictional Hazard Mitigation Plan* will be monitored and evaluated annually and updated at least every five years. As the towns and county gradually implement the action items within the Plan, remaining action items may evolve or priorities may change. The hazards that exist in Warren County will continue to be present, but the conditions within the region, such as population and development patterns will continue to change. Often these changes occur gradually, and the Plan will be monitored, evaluated and revised to ensure that it remains current and retains its relevance to the jurisdictions. Forms adapted from the FEMA Tool-Kit will be utilized in this process. (Appendix J) Annually, major updates will be forwarded to the NY SEMO Mitigation Branch and will require formal Board of Supervisors approval.

Representatives from each jurisdiction will collect and process reports from agencies involved in implementing mitigation projects or activities in the Plan annually.

Representatives from each entity should include those with direct knowledge of the mitigation projects and/or the potential hazards in their jurisdiction; i.e. Fire Chiefs, Highway Officials, Planning Board Members. Each municipality's Executive Officer will be responsible for collecting and maintaining any information for the annual review. Items to be reviewed include mitigation project completion within the allotted budget and schedule, funding status, dollar amounts in losses avoided and changes in number of households, businesses, critical facilities and environmental assets at risk. For projects and programs that were not successful, the monitoring entity will consider the lessons learned from the situation. Following any major disasters the Plan will be reviewed and evaluated to decide if the suggested mitigation actions remain applicable. The risk assessment will be reviewed to see if changes are necessary based on the pattern of damage. All information will be forwarded to the County Hazard Mitigation Coordinator by October 1<sup>st</sup> of each year with their recommendations for updating the plan. The County Hazard Mitigation Coordinator will conduct a meeting to review this information with a report summarizing the activities to be written and maintained. These reports will then provide data to assist in the five year update cycle of the Plan. By monitoring the Plan annually this monitoring entity will ably assess which projects are completed, which projects are no longer feasible and which projects will require additional funding. Challenges faced by each jurisdiction in implementing the Plan will be reviewed. Monitoring efforts will be aided by forms disseminated to essential parties and collated by the County Hazard Mitigation Officer (Appendix J)

## **Annual Review**

Warren County Office of Emergency Services and County Hazard Mitigation Officer will oversee an annual plan review to ensure that all information is current. The review process follows:

1. The Hazard Mitigation Planning Committee will meet to consider:
  - Progress made on the plan recommendations during the previous 12 months.
  - Mitigation accomplishments in projects, programs and policies.
  - Status of mitigation projects
  - New mitigation needs identified
  - Cancellation of planned initiatives, and the justification for doing so
  - Changes in membership
  - Address Benefit/Cost Analysis of mitigation action plans
  - Use STAPLE-E to assist in adjusting prioritization of mitigation action plans
2. The Hazard Mitigation Planning Committee will request input from other departments and outside entities not represented on the Committee on

issues listed above. A special effort will be made to gather information on non-capital projects and programs important to mitigation.

3. The Hazard Mitigation Planning Committee will make “minor” changes to the Plan without seeking outside approval.
4. “Major” changes (those related to new policies or recommended projects) will go through a more formal review process that may, at the discretion of the Emergency Services Director along with the County Hazard Mitigation Coordinator be submitted for final approval
5. To allow for on-going public input, the Hazard Mitigation Planning Committee will post the plan permanently on the Emergency Services website along with contact information that will encourage people to submit questions or comments.

#### Following a Major Disaster

Within two months of a major disaster warranting a presidential or gubernatorial Disaster Declaration, and as determined necessary for a smaller event, the Warren County Office of Emergency Services will convene the Hazard Mitigation Planning Committee.

The annual update process described above will also be used following a major disaster. However, post-disaster deliberations will also consider the following:

- Lessons learned from the disaster, and what new initiatives should be added to the plan to help reduce the likelihood of similar damage in the future.
- Follow-up needed on relevant items from any After Action reports produced.
- Integration of mitigation into the recovery process.

A comprehensive update that includes assessment of the Plan will be conducted on a five-year cycle. The County Office of Emergency Services will coordinate this review/revision process with the County Hazard Mitigation Coordinator, Town, City and Village administrators, partner agencies including the NYS Department of Environmental Conservation, the Adirondack Park Agency, and the County Soil and Water Conservation District. The public will be given notice that the Plan revisions are being made and their input, if any, is requested.

Direct input will be solicited during two meetings, one at each end of the county. Town and village administrators will be notified of the revision process via direct mailings (USPS) and encouraged to attend at least one of the two meetings. These meetings will also be open to the public and will be advertised through a press release and flyers to be posted in town and village offices. Community members will be encouraged to provide Plan input through their municipality representative, or through the County website.



Once input is obtained, the Plan will be revised accordingly. Again, notice of the draft revisions to the Plan will be advertised through a press release and flyers posted in town and village offices, and community members will be encouraged to review the updated Plan (revisions) and provide input through their municipal representatives. The revised plan will be made available for review for at least 30 days at the Warren County Office of Emergency Services. When revisions are approved, the updated Plan will be presented to each municipality for formal adoption.

**5 Year Plan Adoption**

Every five years, the plan will be re-submitted for adoption to the Warren County Board of Supervisors. Prior to this, Emergency Services, led by the Hazard Mitigation Coordinator will use the following process to ensure all relevant parties are involved:

1. Follow steps 1 and 2 above. (Annual Review)
2. Incorporate all relevant issues raised via the forums identified.
3. Hold public meeting and initiate meetings with identified groups of interested parties and outside organizations to gain input and feedback.
4. Integrate relevant feedback and circulate revised plan to Hazard Mitigation Planning Committee for approval.
5. Seek review and comment from Hazard Mitigation Planning Committee.
6. Integrate recommendations into the plan.
7. Submit the plan to the Board of Supervisors for adoption by resolution.
8. Submit revised plan to FEMA via NY SEMO Hazard Mitigation Branch.

**PLAN REVIEW AND UPDATES**

Plan Approval: \_\_\_\_\_

Plan Review: \_\_\_\_\_

Plan Review: \_\_\_\_\_

Plan Review: \_\_\_\_\_

Plan Review: \_\_\_\_\_

Updates:

Page: \_\_\_\_\_ Date: \_\_\_\_\_

Page: \_\_\_\_\_ Date: \_\_\_\_\_

Page: \_\_\_\_\_ Date: \_\_\_\_\_

## Appendix A – Planning Committee Members

Assistant Engineer George Van Dusen  
DPW  
4028 Main Street  
Warrensburg, NY 12885

City Engineer Steve Gurzler  
City of Glens Falls  
Shermantown Road  
Glens Falls, NY 12801

Director Brian LaFlure  
Office of Emergency Services  
1340 State Rt. 9  
Lake George, NY 12845

Deputy Director Amy Manney  
Office of Emergency Services  
1340 State Rt 9  
Lake George, NY 12845

Director Cheryl Murphy  
American Red Cross  
74 Warren Street  
Glens Falls, NY 12801

GIS Administrator Sheri Norton  
Planning Department  
1340 State Rt. 9  
Lake George, NY 12845

Bio Terrorism Coordinator Barb Orton  
Warren Co. Public Health  
1340 State Rt 9  
Lake George, NY 12845

Chief Deputy Shane Ross  
Warren Co. Sheriff's Office  
1400 State Rt. 9  
Lake George, NY 12845

Deputy Fire Coordinator James Schrammel  
Office Of Emergency Services  
1340 State Rt. 9  
Lake George, NY 12845

EMS Coordinator/Coroner Gary Scidmore  
Office of Emergency Services  
1340 State Rt. 9  
Lake George, NY 12845

Director Sheila Weaver  
Warren Co. Social Services  
1340 State Route 9  
Lake George, NY 12845

# Appendix A – Kick-off Meetings

*all on pg 1* 2

Warren County Haz-Mit Meeting 11/18/08 10AM/2PM

	First Name	Last Name	Organization	Address Line 1	Town/City	State	ZIP Code	Email-Phone/Signature
			New York State Police	653 Bay Road	Queensbury	NY	12804	
			NYS Dept. of En Con., Reg. 5	PO Box 220, 232 Golf Course Road	Warrensburg	NY	12885	
Chief	Jarrett	Brown	Wevertown Vol. Fire Co.	St Rt. 8, PO Box 76	Wevertown	NY	12886	
Clerk	Darlen	Gunther	Village of Lake George	PO Box 791	Lake George	NY	12845	
Director	Candy	Kelly	Office of the Aging	1340 State Rt. 9	Lake George	NY	12845	
Assistant Engineer	George	Van Duesen	DPW	4028 Main Street	Warrensburg	NY	12885	
Director	Pat	Auer	Warren Co. Public Health	1340 State Rt 9	Lake George	NY	12845	
Chief	Jeff	Baertschi	North Queensbury Vol. Fire Co.	19 Holly Lane	Lake George	NY	12845	
Chief	James	Barber	Lake George Vol. Fire Co.	218 Middle Road	Lake George	NY	12845	
Supervisor	Dan	Belden	Town of Hague	PO Box 509	Hague	NY	12836	
Supervisor	Ralph	Bentley	Town of Horicon	PO Box 90, 6604 NYS Rte. 8	Brant Lake	NY	12815	
Mayor	Robert	Blais	Village of Lake George	PO Box 791	Lake George	NY	128455	
	Neil	Bradley	Town of Stony Creek Highway	PO Box 96, 52 Hadley Road	Stony Creek	NY	12878	
Chief	Jeremy	Bradway	Thurman Vol. Fire Co.	15 Hudson Street, Apt. 3	Warrensburg	NY	12885	
	John	Bulova	Glens Falls Hospital	100 Park Street	Glens Falls	NY	12801	
Admin.	<i>Andy Caruso</i> Mary	<del>Gahill</del>	Lake George CSD	381 Canada Street	Lake George	NY	12845	<i>608-5452</i> <i>caruso@lakegeorge.org</i>
Admin.	Raymond	Cicarelli	Bolton Central School	26 Horicon Avenue	Bolton Landing	NY	12814	
	Gary	Clark	Town of Chester Highway Dept.	PO Box 423	Chestertown	NY	12817	
	Dan	Clute	Town of Lake Luzerne Highway	PO Box 370	Lake Luzerne	NY	12846	
Chief	Frederick	Comstock	Garnet Lake Vol. Fire Co.	11 Park Rd	Johnsburg	NY	12843	

# Appendix A – Kick-off Meetings

Warren County Haz-Mit Meeting 11/18/08 10AM/2PM

	Tim	Coon	Town of Bolton Highway	PO Box 698, 4949 Lake Shore Dr.	Bolton Landing	NY	12814	
Clerk	Robert	Curtis	City of Glens Falls	42 Ridge Street	Glens Falls	NY	12801	
Manager	<i>Don</i> Dagraw	Dagraw	Floyd Bennett Mem. Airport	443 Queensbury Avenue Rm 201	Queensbury	NY	12804	<i>792-5995</i> <i>ddegraw@warrencounty.org</i>
Reg. Emer. Manager	Kent	Destefans	NYS DOT	16 Maple Road	Voorheesville	NY	12186	
Mayor	Jack	Diamond	City of Glens Falls	42 Ridge Street	Glens Falls	NY	12801	
Chief	John	Donohue	North River Vol. Fire Co.	PO Box 143	North River	NY	12856	
Clerk	Darleen	Dougher	Town of Queensbury	742 Bay Road	Queensbury	NY	12804	
Chief	Joe	Duprey	Queensbury Central Vol. Fire Co.	7 Sweet Road	Queensbury	NY	12804	
Chief	James	Ellis	Luzerne-Hadley Vol. Fire Co.	1 Zermatt Drive	Lake Luzerne	NY	12846	
	John	Farrell	Office of ND/CD	4028 Main Street	Warrensburg	NY	12885	
Clerk	Deborah	Foley	Town of Lake George	20 Old Post Road	Lake George	NY	12845	
President	Len	Fosbrook	Economic Dev. Agency	234 Glen Street	Glens Falls	NY	12801	
Chief	Robert	Frevele	Riverside Vol. Fire Co.	310 Vanderwalker Road	Chestertown	NY	12817	
Supervisor	Kevin	Geraghty	Town of Warrensburg	3797 Main Street	Warrensburg	NY	12885	
Supervisor	Sterling	Goodspeed	Town of Johnsbury	PO Box 7, 219 Main Street	North Creek	NY	12853	
Chief	Michael	Gordon	West Glens Falls Vol. Fire Co.	33 Luzerne Rd.	Queensbury	NY	12804	
Local Planning Assistant	Brian	Grisi	Adirondack Park Agency	PO Box 99, Route 86	Ray Brook	NY	12977	
City Engineer	Steve	Gurzler	Glens Falls	Shermantown Road	Glens Falls	NY	12801	
	Dan	Hajeck	Village of Lake George Public Works	1 Schuyler Street	Lake George	NY	12845	
C	Susan	Harrington	Town of Stony Creek	PO Box 96, 52 Hadley Road	Stony Creek	NY	12878	
Supervisor	John	Haskell	Town of Thurman	Box 29	Athol	NY	12810	

## Appendix A – Kick-off Meetings

### Warren County Haz-Mit Meeting 11/18/08 10AM/2PM

Environ. Er eg.	Michael	McLean	NYS Dept. of Conservation	PO Box 296, 1115 State Road 86	Ray Brook	NY	12977- 0296	
Chief	Pat	Mellon	Bay Ridge Vol. Fire Co.	462 St. Rt. 149	Lake George	NY	12845	
Supervisor	Eugene	Merlino	Town of Lake Luzerne	PO Box 370	Lake Luzerne	NY	12046	
Supervisor	Frederick	Monroe	Town of Chester	PO Box 423	Chestertown	NY	12817	
	Jason	Monroe	Town of Chester Water Dept.	PO Box 423	Chestertown	NY	12817	
Director	Cheryl	Murphy	American Red Cross	74 Warren Street	Glens Falls	NY	12801	
	John	Murphy	National Grid	1125 Broadway	Albany	NY	12204	
Admin.	Joseph	Murphy	North Warren CSD	6110 State Route 8	Chestertown	NY	12817	
	Jim	Neumann	Town of Bolton Police Dept.	PO Box 752	Bolton Landing	NY	12814	<i>Jim</i>
Deputy EMS Coordinator	Chris	Norton	Office of Emergency Services	1340 State Rt 9	Lake George	NY	12845	
GIS Admin.	Sheri	Norton	Planning Department	1340 State Rt. 9	Lake George	NY	12845	<i>Chris Norton</i>
Bio Terrorism Coordinator	Barb	Orton	Warren Co. Public Health	1340 State Rt 9	Lake George	NY	12845	<i>jenosg@co.warren.ny.us 701-6410 Signes for Barb Orton</i>
	Bruce	Ostrander	Town of Queensbury Water Dept.	823 Corinth Road	Queensbury	NY	12804	
	Hollis	Ovitt	Town of Lake George Highway	22 Gage Road	Lake George	NY	12845	
	Mike	Palmer	Town of Queensbury Fire Dept.	742 Bay Road	Queensbury	NY	12804	
	John	Perry	Town of Bolton Water Dept.	PO Box 698, 4949 Lake Shore Dr.	Bolton Landing	NY	12814	
Clerk	William	Rawson	Town of Johnsbury	PO Box 7 219 Main Street	North Creek	NY	12853	
Director	Eileen	Reardon	American Red Cross	74 Warren Street	Glens Falls	NY	12801	
Clerk	Bernice	Roberts	Town of Chestertown	PO Box 423	Chestertown	NY	12817	
C	Stanley	Ross	Stony Creek Vol. Fire Co.	27 Murry Road	Stony Creek	NY	12878	
Chief Deputy	Shane	Ross	Warren Co. Sheriff's Office	1400 State Rt. 9	Lake George	NY	12845	

## Appendix A – Kick-off Meetings

Warren County Haz-Mit Meeting 11/18/08 10AM/2PM

	Bob	Schiavoni	Glens Falls DPW	230 Dix Avenue	Glens Falls	NY	12801	
Haz. Mat/WMD Deputy Fire Coordinator	James	Schrammel	Office Of Emergency Services	1340 State Rt. 9	Lake George	NY	12845	
EMS Coordinator /Coroner	Gary	Scidmore	Office of Emergency Services	1340 State Rt. 9	Lake George	NY	12845	
Clerk	Cynthia	Sherwood	Town of Lake Luzerne	PO Box 370	Lake Luzerne	NY	12846	
Supervisor	Kathleen	Simmes	Town of Bolton	PO Box 698, 4949 Lake Shore Dr.	Bolton Landing	NY	12814	
	Paul	Smith	Town of Horicon Highway Dept.	20 Town Shed Road	Brant Lake	NY	12815	
	Warren	Snyder	National Weather Service	251 Fuller Road.	Albany	NY	12203	
Supervisor	Dan	Stec	Town of Queensbury	742 Bay Road	Queensbury	NY	12804	
Clerk	Pat	Steele	Town of Bolton	PO Box 698,4949 Lake Shore Dr.	Bolton Landing	NY	12814	
District Admin.	John	Stoothoff	WSWHE BOCES	1153 Burgoyne Avenue, Suite 2	Fort Edward	NY	12828	
Chief	Steve	Studnick	North Creek Vol. Fire Co.	287 Bird Pond Road	North Creek	NY	12853	
Admin.	Irwin	Sussman	Hadley-Luzerne CSD	273 Lake Avenue	Lake Luzerne	NY	12846	
Chief	Richard	Swan	Chestertown Vol. Fire Co.	18 Blytheheld Road	Chestertown	NY	12817	
Chief	Guy	Swartwoul	Pottersville Vol. Fire Co.	115 Stone Bridge Road	Pottersville	NY	12860	
Safety Compliance Coordinator	Ann Marie	Szabo	Queensbury Union Free SD	411 Aviation Road	Queensbury	NY	12804	uszabo@queensburysh.net A. Szabo
Supervisor	Louis	Tessier	Town of Lake George	20 Old Post Road	Lake George	NY	12845	
Supervisor	Frank	Thomas	Town of Stony Creek	PO Box 96, 52 Hadley Road	Stony Creek	NY	12878	
	Michael	Travis	Town of Queensbury Highway DEpt.	742 Bay Road	Queensbury	NY	12804	
Director	Sheila	Weaver	Warren Co. Social Services	1340 State Route 9	Lake George	NY	12845	
Executive Director	Michael P.	White	Lake George Park Commission	75 Ft. George Road PO Box 749	Lake George	NY	12845	
Manager	Dave	Wick	Soil Conservation District	51 Elm Street	Warrensburg	NY	12885	

# Appendix A – Kick-off Meetings

Warren County Haz-Mit Meeting 11/18/08 10AM/2PM

	Patrick	Wood	Town of Thurman Highway Dept.	Box 29	Althol	NY	12810
Sheriff	Nathan	York	Warren County	1400 State Rte. 9	Lake George	NY	12845
Chief	Jim	Young	Hague Vol. Fire Co.	48 Sabbath Day Point Road	Silver Bay	NY	12874
	Jim	Young	Town of Hague Fire Department	Box 585	Hague	NY	12836

MICHEL LEE Red Cross 74 WARREN ST  
O.F. NY 12801

murphy c @ usa.  
redcross.org  
l&l.mich @ usa.  
redcross.org

Laura Stebbins Glens Falls Hospital 100 Park St.

l.stebbins @ glensfalls  
hosp.org

Engineer George VanDusen Warren County DPW - 4020  
Main St - Wburg

gvandusen @ warren  
county dpw.com

Haz HALLIDAY American Red Cross  
CHAIRMAN  
Disaster Services  
2599 RIDGE RD  
GARY NY 12804

halliday @ townofwarren.com

SEMO Bruce Jordan Region 3 S Fox Farm Rd  
Queensbury

11/18/08 793-6646

SEMO Paul Wilson Region 3 S Fox Farm Rd  
Queensbury  
Margaret Schroeder Warrensburg

NY 12804 793-6646  
11/18/08 2/14/11T

## Appendix A – Warren County Historians

### Historians

Warren County	John Austin	
Town of Bolton	Ted Caldwell	
Town of Chester	Donna Lagoy	provided information
Town of Hague	Gerald T. Crammond	
Town of Horicon	Colleen Murtagh	
Town of Johnsburg	Doris H. Patton	
Town of Lake George	Margaret Edwards	provided information
Town of Lake Luzerne	Beatrice Evens	
Town of Queensbury	Marilyn VanDyke	provided information
Town of Stony Creek	Cynthia Cameron	
Town of Thurman	Robin Croissant	
Town of Warrensburg	Sandi Parisi	
City of Glens Falls	Wayne Wright	



## Appendix A – Jurisdictional Executives

### **Town Supervisors/County Board Members**

Bolton	Kathleen M. Simmes
Chester	Frederick H. Monroe
Hague	Daniel D. Belden
Horicon	Ralph W. Bentley
Johnsburg	Sterling Goodspeed
Lake George	Louis E. Tessier
Lake Luzerne	Eugene J. Merlino
Queensbury	Daniel G. Stec
Stony Creek	Frank E. Thomas
Thurman	Lawrence(Red) Pitkin
Warrensburg	Kevin B. Geraghty

### **City of Glens Falls**

Ward 1	Daniel J. Girard
Ward 2	Joseph M. Sheehan
Ward 3	Harold Bud Taylor
Ward 4	Michael J. O'Connor
Ward 5	William H. Kenny

### **Queensbury**


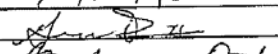
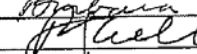

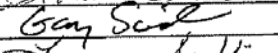
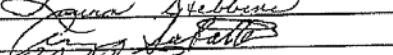
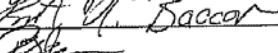
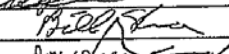
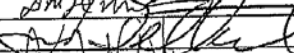
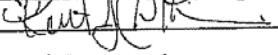

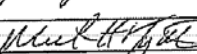
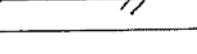
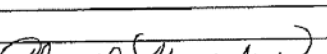
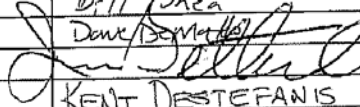
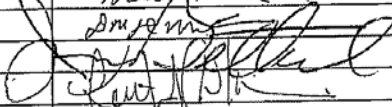

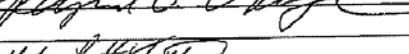
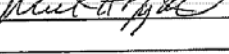
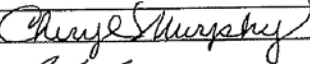
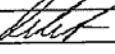
David J. Strainer  
William T. VanNess  
Frederick L. Champagne  
Matthew D. Sokol

### **Mayors**

Village of Lake George	Robert M. Blais
City of Glens Falls	John A. Diamond

Appendix B  
Warren County HAZNY Meeting Attendees

June 25, 2007 Hazny

TITLE	NAME	SIGNATURE
Warren County Fire Coordinator		
Warren County Civil Defense	Amy Manney	
Warren County Undersheriff	SHANE L. ROSS	
Warren County Hazard Mitigation Coordinator	George Van Dusca	
Warren County BioTerrorism Coordinator	Barbara Orton	
Industry Representative from Finch Pruyn	Phil Artheer	
Safety Director from Finch Pruyn	Matthew Gregory	
Glens Falls Fire Chief	Ronald P Coze	
Warren County EMS Coordinator	GARY SCIDMORE	
Glens Falls Hospital Emergency Coordinator	Laura Subbins	
Warren County Cornell Cooperative Extension	Amy Sabbatis	
SEMO Region III Director	ROBERT A. BACCARI	
SEMO Region III Coordinator	Bruce Jordan	
SEMO Planning Representative	Bill Shea	
SERC Planning Program Coordinator	Dave Bonnette	
Glens Falls Police Chief		
NYS DOT Engineer	KENT DESTEFANIS	
Warren County Historian		
National Weather Service Meteorologist	Raymond O'Keefe	
NYS Park Commission Police		
Warren County Planning	MARTIN FITZGERALD II	
BOCES Administrator		
ACC Administrator		
National Grid Representative		
American Red Cross Representative	Cheryl Murphy	
NYS State Police Queensbury		
NYS State Police <del>W</del> Troop 6 Hq	Sgt David W. Kolb	
NYS DEC Forest Ranger		
LG Regional Chamber of Commerce		

Appendix C  
Municipal Involvement

COMMUNITY	PROJECT INVOLVEMENT
Town of Bolton	<ul style="list-style-type: none"> <li>• Provided information on Zoning Ordinance, Comprehensive Plan 2003, and Emergency Plan 2004</li> <li>• Provided Hazard History and Critical Facilities List for Town</li> <li>• Specific hazard mitigation action plan(on web-site)</li> <li>• <b>List of hazards/risks</b></li> </ul>
Town of Chester	<ul style="list-style-type: none"> <li>• Provided information on 2005 Zoning Ordinance</li> <li>• Provided Hazard History for Town</li> <li>• Provided specific hazard mitigation action plan</li> <li>• <b>List of hazards/risks</b></li> </ul>
Town of Hague	<ul style="list-style-type: none"> <li>• Provided information on Town Code(on website)</li> </ul>
Town of Horicon	<ul style="list-style-type: none"> <li>• Provided information on Emergency Action Plan for Upper Brant Lake updated August 2008, Comprehensive Plan(draft), Zoning and Project Review 2007</li> <li>• Provided Hazard History and Critical Facilities List for Town</li> <li>• Meeting 5/29/09 with FONC Director to discuss Town Hazard Mitigation issues</li> <li>• Provided specific hazard mitigation action plan</li> <li>• <b>List of hazards/risks</b></li> </ul>
Town of Johnsburg	<ul style="list-style-type: none"> <li>• Provided information on Land Use Plan 2001, Emergency Preparedness Plan updated in 2006, Comprehensive Plan</li> <li>• Meeting 5/29/09 with FONC Director to discuss Town Hazard Mitigation issues</li> <li>• Provided specific hazard mitigation action plan</li> <li>• <b>List of hazards/risks</b></li> </ul>
Town of Lake George	<ul style="list-style-type: none"> <li>• Provided information on Zoning Ordinance 2003 and Town Code(on website)</li> <li>• Felt comfortable handling hazard issues</li> <li>• Provided Hazard History and Critical Facilities List for Town</li> <li>• Specific hazard mitigation action plan(on web site)</li> <li>• <b>List of hazards/risks</b></li> </ul>
Town of Lake Luzerne	<ul style="list-style-type: none"> <li>• Provided information on Comprehensive Plan(final 9/09), Master Plan Draft 4/2008</li> <li>• <b>Specific hazard mitigation action plan</b></li> <li>• <b>List of hazards/risks</b></li> </ul>
Town of Queensbury	<ul style="list-style-type: none"> <li>• Provided information on Comprehensive Plan 2007, Town Code Book, Capital Improvement Plan, Open Space Plan, Zoning Ordinance and Town Code(all on web-site)</li> </ul>

Appendix C  
Municipal Involvement

	<ul style="list-style-type: none"> <li>• Specific hazard mitigation action plan(on web-site)</li> <li>• List of hazards/risks</li> </ul>
Town of Stony Creek	<ul style="list-style-type: none"> <li>• Provided information on Comprehensive Emergency Management Plan 2003, Basic Emergency Plan updated June 2006, Disaster Declaration Kit 2003(all on web-site), follows Warren County Building Codes</li> <li>• Meeting 5/29/09 with FONC Director to discuss Town Hazard Mitigation issues</li> <li>• Specific hazard mitigation action plan(on web-site)</li> <li>• List of hazards/risks</li> </ul>
Town of Thurman	<ul style="list-style-type: none"> <li>• Provided information on Basic Emergency Plan, follows Warren County Zoning Codes and APA regulations</li> <li>• Meeting 5/29/09 with FONC Director to discuss Town Hazard Mitigation issues</li> <li>• Specific hazard mitigation action plan</li> <li>• List of hazards/risks</li> </ul>
Town of Warrensburg	<ul style="list-style-type: none"> <li>• Provided information on Land Use Plan, Basic Emergency Plan 1993, Comprehensive Town Master Plan is being reviewed for revisions 2013, follows Warren County Building Codes(all on web-site)</li> <li>• Provided Hazard History and Critical Facilities List for Town</li> <li>• Meeting 5/29/09 with FONC Director to discuss Town Hazard Mitigation issues</li> <li>• Provided specific hazard mitigation action plan</li> <li>• List of hazards/risks</li> </ul>
Village of Lake George	<ul style="list-style-type: none"> <li>• Provided specific hazard mitigation action plan</li> <li>• List of hazards/risks</li> </ul>
City of Glens Falls	<ul style="list-style-type: none"> <li>• Provided a Critical Facilities List for City</li> <li>• Specific hazard mitigation action plan(on web-site)</li> <li>• List of hazards/risks</li> </ul>
Warren County	<ul style="list-style-type: none"> <li>• Provided Comprehensive Emergency Management Plan(all others on web-site) Provided Hazard History and Critical Facilities for entire county</li> <li>• Specific hazard mitigation action plan(on web-site)</li> <li>• List of hazards/risks</li> </ul>

## Appendix D - Resources

### Resources

<http://www.firewise.org/index.php> reducing threats of wildfire/forest fire

<http://www.warrencountydpw.com> Department of Public Works, safety tips

<http://www.co.warren.ny.us/emergency/> Office of Emergency Services

<http://www.dec.ny.gov/education/> NYS Wildfire Academy information and course descriptions

<http://www.wrh.noaa.gov/sew/fire/> National Fire Danger Rating System for anticipating potential wildland fires

<http://www.fema.gov/business/nfip/crs.shtm> National Flood Insurance Program, information for joining the Community Rating System(CRS)

Aids to Determining Fuel Models For Estimating Fire Behavior by Hal E. Anderson, General Technical Report, US Department of Agriculture, Forest Services, April 1982

## Appendix E – Flooded Roadways

### Seasonally Flooded Roadways\*

#### Areas of Obstructions of Ground Water

Prospect Mountain, Sewell Street residences, Town of Lake George  
(beaver dam blowout)

Truesdale Hill Road, Town of Lake George (beaver dam near pond)  
Pottersville area, Town of Chester (beaver dam blocking culvert  
causing flooding)

Riverside Station Road (Riparius), Town of Johnsbury (beaver dam  
out)

River Road, Town of Johnsbury (beaver dam blocking culvert)

#### Specific Flood Regions

Pack Forest Road Bridge, Town of Warrensburg

Alden Avenue Extension, Town of Warrensburg

Pease Hill Road, Hayford Road, River Road, Town of Horicon

State Rte 8, Barney Hill Road (Baker's Mills) Town of Johnsbury

River Road, Sky-High Road, West Stony Creek Road, Town of  
Thurman (need to be elevated to avoid flooding)

\*List based on information provided by municipalities

## Warren County Hazard Mitigation Plan

### Public Participation and Outreach to Communities

10/22/08 Friends of the North Country, Inc. (Friends) receives notification of acceptance of bid by Board of Supervisors from 10/17 board meeting.

10/28/08 First mailing is sent with an invitation to informational meetings to be held on 11/18 in two locations in Warren County. Letters with 3 enclosures asking for information are sent to Town Supervisors, Town and County Public Works Departments, County Agencies, and others

11/5/08 Additional invitations are sent to town fire departments, school superintendents, State agencies (DEC, SEMO, APA),

11/14/2008 Multi-Jurisdictional Pre-Disaster Plan Development Contract between Warren County and Friends of the North Country executed.

11/18/08 Two informational meetings held: one at the Sheriff's Office Training Center in Lake George (10AM) and the second at the Chestertown Town Hall (at 2PM). Ed Lipps (Regional SEMO Director) described the process and gave the overview of the process, and the NY State perspective. Scott Campbell (Director, Friends) also gave an overview of the need for a hazard mitigation plan, the kind of information needed to complete a successful plan and the importance of all of the towns actively participating in the process. Three handouts: critical facilities, disaster history and a request for projects ("wish list") that would help mitigate disasters in the future, were provided for meeting attendees to complete on site or mail in at a later date. It is explained that anecdotal information as well as documented information is useful.

11/21/08 Three handouts used for the informational meeting (above) are given out at the monthly Board of Supervisors meeting with a cover letter explaining the details needed for the plan.

12/1/08 – 12/4/2008 Follow up phone calls are made to Town Supervisors, town clerks, and highway departments. Supervisors are asked to provide a contact person for the Plan development; all are asked for additional sources of information (individuals, agencies, departments, etc.)

## Appendix F – Outreach Timeline

12/3/08 Letters containing a request for articles, reports, or other information on disasters in the towns and county are mailed to town and county historians.

A letter is also sent to proposed members of an oversight committee asking them to participate. (Proposed committee member names provided by Deputy Director of Emergency Services.)

12/9/08 Follow up phone calls to Town Supervisors continue seeking direct information or other possible contacts for information.

12/19/08 Friends Director attends the monthly meeting of the Warren County Board of Supervisors to provide further explanation of the need for, and types of, information needed to develop a successful plan. Other questions are answered, and a comment of support for the Plan is made by one of the supervisors. It is noted to the supervisors that the Plan is more useful and effective when it contains information specific to each town, especially possible projects (with estimates), that will lessen the effects of future natural disaster events. Town supervisors are asked to provide a contact person in their town to provide information related to the town.

1/13/09 Supervisors are sent a reminder email and/or letter, requesting Town input.

1/21/09 Email Deputy Director of Emergency Services with a chart of information received so far. There is adequate information on a county-wide level, however several towns have not provided information specific to their locale.

1/27/09 Emailed or direct mail each Town Highway Supervisor/Department for information

2/2/09 Made direct phone calls to Town Highway Superintendents for information on possible hazards and proposals for mitigation.

2/19/09 Continue calls to Highway Superintendents to gather information on potential hazards and mitigation proposals.

3/3/09 Friends director attends a meeting of (County) Public Works/Planning Department Committee meeting to encourage them to



## Appendix F – Outreach Timeline

respond with any management or strategic plans (that they may already have on file), and lists of possible ready mitigation projects (and cost estimates) that may already be in planning stages.

4/29/09 Letters are sent to Town Supervisors requesting information related to any and all plans each jurisdiction has on file as well as possible future mitigation projects.

5/5/09 Letters are sent to Town Supervisors requesting an opportunity to visit in order to review various comprehensive/strategic plans this month.

5/18/09 Follow-up calls are made to the eleven town jurisdictions requesting information relating to Comprehensive Plans, Land Use Plans, Emergency Plans and Zoning and Building Codes.

5/29/09 Friends Director makes on site visits to Thurman, Stony Creek, Warrensburg, Johnsbury and Horicon to meet with town officials to review plans and possible mitigation projects.

9/10/09 Friends Director received information via telephone call from the Queensbury Senior Planner relating to mitigation concerns and their 2007 Comprehensive Plan

9/09 Draft of Plan sent to Deputy Director of Emergency Services and Planning Committee members for suggestions. Also sent draft to SEMO for review.

10/07/09 Letters sent to all jurisdiction executives requesting a specific mitigation action plan for their jurisdiction as per SEMO's suggestion.

10/16/09 Director met with Board of Supervisors to explain mitigation plan request and give update. Afternoon meeting with Planning Committee to discuss suggestions to draft(see notes for members in attendance)

11/2/09 Faxed letter to all highway superintendents looking for a specific mitigation action plan for each jurisdiction. Offered to have an on-site meeting if needed.

(\* Note: All “direct mail” via USPS)

## Appendix F – Outreach Timeline

11/09 First submission to SEMO

1/2010 Final submission to SEMO

6/2010 FEMA revisions begin

6/2010 Information gathering from jurisdictions by fax, telephone

7/2010 Continue revisions with email communication

7/2010 Public Participation from web page posting

7/2010 ERPC meeting to prioritize mitigation actions and review plan revisions

Appendix G – Federal and State Funding Sources

<b>Federal and State Funding Sources</b>		
<b>Program</b>	<b>Description</b>	<b>Agency Contact</b>
<b>Federal Funding Sources</b>		
Watershed Protection and Flood Prevention Program	Technical and financial assistance for installing works of improvement to protect, develop, and utilize land or water resources in small watersheds under 250,000 acres.	USDA-NRCS Director, Watersheds and Wetlands Division: I (202) 720-3042 (202) 690-4614 <a href="http://www.nrcs.usda.crov">www.nrcs.usda.crov</a>
Wetlands Reserve Program	Financial and technical assistance to protect and restore wetlands through easements and restoration agreement	USDA – NRCS National Policy Coordinator NCRS Watersheds and Wetlands Division 202-720-3042
American Recovery and Reinvestment Act 2009	Includes measures to modernize our nation’s infrastructure, enhance energy independence, expand educational opportunities.	Recovery.ny.gov
Aquatic Ecosystem Restoration	Direct support for carrying out aquatic ecosystem restoration projects that will improve the quality of the environment.	DOD-USACE Chief of Planning @ appropriate USACE Regional Office North Atlantic: (212) 264-7111
Beneficial Uses of Dredged Materials	Direct assistance for projects that protect, restore, and create aquatic and ecologically- related habitats, including wetlands, in connection with dredging an authorized Federal navigation project	DOD-USACE Same as above
Boating Infrastructure Grant (BIG) program	Funding to construct, renovate, or maintain transient tie-up facilities, activity includes replacement of bulkheads, one time dredging to maintain channels or open water for vessels.	US DOT Federal Highway Administration (FHWA) Transportation Equity Act-21
Bridge Replacement and Rehabilitation	Funding for eligible bridges on any public road.	US DOT Federal Highway Administration FHWA
Clean Water Act Section 319 Grants	Grants to States to implement non-point source programs, including support for non- structural watershed resource restoration activities.	EPA Office of Water Chief, Non-Point Source Control Branch (202) 260-7088. 7100
Clean Water State Revolving Funds	Loans at actual or below market interest rates to help build, repair, relocate or replace waster water treatment plants.	Environmental Protection Agency (EPA) EPA Office of Water State Revolving Fund Branch Branch Chief: (202) 260-7359 A list of Regional Offices
Coastal Zone Management Program	Grants for planning and implementation of non-structural coastal flood and hurricane hazard mitigation projects and coastal wetlands restoration	Department of Commerce DOC National Oceanic and Atmospheric Administration (NOAA) National Ocean Service Office of Ocean and Coastal Resource Management . Chief, Coastal Programs Division: (301) 713-3102
Community Development Block Grant (CDBG) State Administered Program	Grants to States to develop viable Program communities (e.g., housing, a suitable living environment, expanded economic opportunities) in non-entitled areas, for low- and moderate-income persons.	US Department of Housing and Urban (CDBG) State Administered Development (HUD) State CDBG Program Manager Or State and Small Cities Division, Office of Block Grant Assistance, HUD , Headquarters: (202) 708-3587
Community Development Block Grant Entitlement Communities Program	Grants to entitled cities and urban counties to develop viable communities (e.g., decent housing, a suitable living environment, expanded economic opportunities), principally for low- and moderate-income persons	HUD Entitlement Communities Program City and county applicants should call the Community Planning and Development staff of their appropriate HUD field office. As an alternative, they may call the Entitlement, Communities Division, Office of Block Grant Assistance, HUD Headquarters: (202) 708-

Appendix G – Federal and State Funding Sources

<b>Federal and State Funding Sources</b>		
<b>Program</b>	<b>Description</b>	<b>Agency Contact</b>
		1577, 3587
Conservation Contracts	Debt reduction /cancellation for delinquent and non-delinquent borrowers in exchange for conservation contracts placed on environmentally sensitive real property that secures FSA loans.	USDA-FSA Farm Loan Programs FSA National Office (202) 720-3467, 1632 or local FSA office
Conservation Reserve Program	The program reduces soil erosion, improves water quality, and restores wildlife habitat as a result of idling cropland in exchange for compensation.	USDA – Natural Resources Conservation Service (NRCS) <a href="http://www.nrcs.usda.gov">www.nrcs.usda.gov</a>
Decision, Risk, and Management Science Program	Funding for research and related educational and activities on risk, perception, communication, and management (primarily, technological hazards)	NSF -Directorate for Social, Behavioral Economic Science, Division of Social Behavioral and Economic Research Decision, Risk, and Management Science Program (DRMS): (703) 306-1757 <a href="http://www.nsf.gov/sbe/drms/start.htm">www.nsf.gov/sbe/drms/start.htm</a>
Disaster Housing Program	Emergency assistance for housing including: minor repair of home to establish livable conditions, mortgage and rental assistance. (MRA)	FEMA
Disaster Mitigation Planning and Technical Assistance	Technical and planning assistance grants for capacity building and mitigation project activities focusing on creating disaster resistant jobs and workplaces.	Department of Commerce (DOC), Economic Development Administration (EDA): (800) 345-1222 EDA 's Disaster Recovery Coordinator: (202) 482-6225 - <a href="http://www.doc.gov/eda">www.doc.gov/eda</a>
Disaster Recovery Initiative	Grants to fund gaps in available recovery assistance after disasters (including mitigation)	HUD Community Planning and Development Grant Programs Divisions in their respective HUD field offices or HUD Community Planning and Development 202-708-2605
Emergency Conservation Fund	Emergency funds for rehabilitating farmland damaged by natural hazards, such as erosion, wind and flood.	USDA – Farm Service Agency (FSA)
Emergency Management/Mitigation Training	Training in disaster mitigation, preparedness, planning	FEMA
Emergency Watershed Protection(EWP)	Provides technical and financial assistance Program for relief from imminent hazards in small watersheds, and to reduce vulnerability of life and property in small watershed areas damaged by severe natural hazard events.	USDA –NRCS National Office -(202) 690-0848 Watersheds and Wetlands Division: (202) 720-3042
Environmental Quality Incentives Program (EQIP)	Technical, educational, and limited financial assistance to encourage environmental enhancement	USDA-NRCS NRCS County Offices Or .NRCS EQUIP Program Manager: . (202) 720-1834 <a href="http://www.nrcs.usda.gov">www.nrcs.usda.gov</a>
Farm Ownership Loans	Direct loans, guaranteed / insured loans, technical assistance to farmers so that they may develop, construct, improve, or repair farm homes, farms, and service buildings, and to make other necessary improvements.	USDA-FSA Director, Farm Programs Loan Making Division, FSA: (202) 720-1632
Federal Land Transfer / Federal Land to Parks Program	Identifies federal real property available for open space transfer to states and local governments for development of parks and recreation.	DOI-NPS General Services Administration Offices Texas 817-334-2331 Boston 617-838-5700 Or Federal Lands to Park Leader NPS National Office 202-565-1184
Federal Lands Highways	Funding for Indian reservation roads, park roads and parkways and forest land highways.	US DOT Federal Highway Administration FHWA
Flood Mitigation Assistance(FMA)	Grants to States and communities for pre- disaster mitigation planning and projects to help reduce or	FEMA <a href="http://www.fema.gov/fima/mitgrant.shtm">http://www.fema.gov/fima/mitgrant.shtm</a>

Appendix G – Federal and State Funding Sources

<b>Federal and State Funding Sources</b>		
<b>Program</b>	<b>Description</b>	<b>Agency Contact</b>
	eliminate the long-term risk of flood damage to structures insurable under the National Flood Insurance Program.	
Floodplain Management Services	Technical and planning assistance at the local, regional or national level needed to support effective floodplain management	Department of Defense –DOD USACE Regional Office North Atlantic 212-264-7813
Forest Legacy Program	Funding to acquire land and conservation easements from willing sellers in cooperation with participating states to protect environmentally sensitive forests threatened with conversion to non-forest use.	USDA – US Forest Service
Hazard Mitigation Grant Program (HMGP)	Grants to States and communities for planning and projects providing long-term hazard mitigation measures following a major disaster declaration.	FEMA <a href="http://www.fema.gov/fima/mitgrant.shtm">http://www.fema.gov/fima/mitgrant.shtm</a>
Hazard Reduction Program	Funding for research and related educational activities on hazards	National Science Foundation (NSF), Directorate for Engineering, Division of Civil and Mechanical Systems, Hazard Reduction Program: (703) 306-1360
HOME Investments Partnership Program	Grants to local and State government and consortia for permanent and transitional housing, (including financial support for property acquisition and rehabilitation for low income persons)	HUD Community Planning and Development Grant Programs, Office of Affordable Housing, HOME Investments Partnership Program 202-708-2685 202-708-0614 ext 4594 800-998-9999
Land Acquisition	Acquires or purchases easements on high quality land and waters for inclusion into the National Wildlife Refuge System	USDA – FWS Division of Realty National Coordinator 703-358-1713
Land and Water Conservation Fund (LWCF)	Funding to States for outdoor recreational development, renovation, land acquisition and planning.	Department of Interior (DOI) National Parks Service (NPS)
Land Protection	Technical assistance for run-off retardation and soil erosion prevention to reduce hazards to life and property	Natural Resources Conservation Service NRCS – USDA National NRCS Office 202-720-4527
National Dam Safety Program	Technical assistance, training, and grants to help improve State dam safety programs. .	FEMA
National Earthquake Hazards Reduction	Training, planning and technical Program assistance under grants to States or local jurisdictions	FEMA; DOI-USGS USGS Earthquake Program Coordinator: (703) 648-6785
National Flood Insurance Program	Formula grants to States to assist FEMA communities to comply with NFIP floodplain management requirements (Community Assistance Program).	FEMA
National Flood Insurance Program	Formula grants to states to assist communities to comply with NFIP floodplain management requirements(Community Assistance Program)	FEMA
National Highway System (NHS) and Interstate System/Interstate Maintenance (IM) programs	Funds provided to maintain/reconstruct existing portions of system.	US DOT Federal Highway Administration FHWA
Non Structural Alternatives to Structural Rehabilitation of Damaged Flood Control Works	Direct Planning and construction grants for Non Structural Alternatives to the Structural Rehabilitation of Flood Control Works damaged in floods or coastal storms.	DOD-US Army Corps of Engineers (ACE) Emergency Management contact in respective USACE field office: North Atlantic: 718-491-8735
North America Wetland Conservation Fund	Cost share grants to stimulate public/private partnerships for the protection, restoration and management of wetland habitats	Department of Interior (DOI) - USDA – Fish & Wildlife (FWS) North American Waterfowl and Wetlands Office 703-358-1784
Partners for Fish and Wildlife	Financial and technical assistance to private landowners interested in pursuing restoration	Department of Interior (DOI) Fish and Wildlife Service (FWS)

Appendix G – Federal and State Funding Sources

<b>Federal and State Funding Sources</b>		
<b>Program</b>	<b>Description</b>	<b>Agency Contact</b>
	projects affecting wetlands and riparian habitats	National Coordinator, Ecological Services 703-358-2201 A list of state and regional contacts is available upon request.
Physical Disaster Loans and Economic Injury Disaster Loans	Disaster loans to non-farm, private sector owners of disaster damaged property for uninsured losses.	Small Business Administration (SBA) National Headquarters Associate Administrator for Disaster Assistance: (202) 205-6734
Planning Assistance to States	Technical and planning assistance for the preparation of comprehensive plans for the development, utilization, and conservation of water and related land resources	Department of Defense(DOD) Us Army Corps of Engineers (USACE) Regional Office North Atlantic: 212-264-7813
Post Disaster Economic Recovery Grants and Assistance	Grant Funding to assist with the long-term economic recovery of communities, industries and firms adversely affected by disasters.	Department of Commerce (DOC) - Economic Development Administration (EDA), EDA Headquarters, Disaster Recovery Coordinator 202-482-6225
Pre-Disaster Mitigation Competitive (PDMC) Grant Program	Grants to States and communities for planning and projects that provide long-term hazard pre-disaster mitigation measures	FEMA <a href="http://www.fema.gov/fima/mitgrant.shtm">http://www.fema.gov/fima/mitgrant.shtm</a>
Pre-Disaster Mitigation Disaster Resistant University (PDM DRU) Grant Program	Planning and project Grants to Universities for implementing long-term pre-disaster hazard mitigation measures	FEMA <a href="http://www.fema.gov/fima/mitgrant.shtm">http://www.fema.gov/fima/mitgrant.shtm</a>
Public Assistance Program (Infrastructure)	Grants to States and Communities to repair damaged infrastructure and public facilities and help restore government and government related services following disasters. Mitigation funding is available for work related to damaged components of the eligible building or structure.	FEMA via NY SEMO
Public Housing Modernization Reserve for Disasters and Emergencies	Funding to Public housing agencies for modernization needs resulting from natural disasters (including elevation, flood proofing and retrofits)	HUD Director, Office of Capital Improvements 202-708-1640
Recreational Trails Program (RTP)	Provides and maintains recreational trails for both motorized and non-motorized trail use. (NY Office of Parks, Recreation, and Historic Preservation (OPRHP) administers the program for NY state)	US DOT FHWA in consult with Department of Interior (DOI)-National Parks Service (NPS) Bureau of Land Management and USDA – US Forest Service
Rural Development Assistance – Utilities	Direct and guaranteed rural economic loans and business enterprise grants to address utility issues and development needs.	USDA-Rural Utility Service (RUS) Contact Rural Development Field Offices or RHS, Deputy Administrator, Community Programs Division: (202) 720-1490
Rural Development Assistance -Housing	Grants, loans, and technical assistance to address rehabilitation, health and safety needs in primarily low-income rural areas. Declaration of major disaster necessary.	USDA-Rural Housing Service (RHS) Community Programs: (202) 720-1502 Single Family Housing: (202) 720-3773. Multi Family Housing: (202) 720-5177
School Renovation, Idea and Technology Grant, and Emergency Response and Crisis Discretionary Grant	Grant funding for eligible school renovation and emergency response measures.	US Department of Education
Section 108 Loan Guarantee	Enables states and local governments participating in the Community Development Block Grant (CDBG) Program to obtain federally guaranteed loans for disaster distressed areas.	HUD Community Planning and Development Grant Programs, Office of- 202-708-3587
Section 205 of the 1948 Flood Control Act	Resources for small flood damage reduction projects	DOD-USACE Emergency Management contact in respective USACE field office
Section 502 Loan and Guaranteed Loan Program	Provides loans, loan guarantees and technical assistance to very low and low-income applicants to purchase, build or rehabilitate a home in a rural	USDA-RHS Contact the Local RHS Field Office, or the Director, Single Family Housing Guaranteed Loan

## Appendix G – Federal and State Funding Sources

<b>Federal and State Funding Sources</b>		
<b>Program</b>	<b>Description</b>	<b>Agency Contact</b>
	area.	Division, RHS: (202) 720-1452
Section 504 Loans for Housing	Repair loans, grants and technical assistance to very low-income senior homeowners living in rural areas to repair their homes and remove health and safety hazards.	USDA US Department of Agriculture Rural Housing Service (RHS) Contact local RHS Field Office, or RHS Headquarters, Director, Single Family Housing Direct Loan Division (202 720-1474
Societal Dimensions of Engineering, Science, and Technology Program	Funding for research and related educational activities on topics such as ethics, values, and the assessment, communication, management and perception of risk	NSF -Directorate for Social, Behavioral and Economic Science, Division of Social, Behavioral and Economic Research, Societal Dimensions of Engineering, Science and Technology Program: (703) 306-1743
Surface Transportation Program	Funding for activity including safety construction and transportation enhancements. Transportation enhancements encompass a broad range of safety education, environmental and historically related activities.	US DOT Federal Highway Administration FHWA
Transportation Equity Act	Funding from the Highway Trust Fund for enhancements such as acquisition, scenic easements, and conversion of abandoned railways to trails.	US DOT Federal Highway Administration Highway Trust Fund
Urban Park and Recreation Recovery	Grants to economically distressed urban communities primarily for rehabilitation of critically needed recreation facilities. The program encourages systematic local planning and commitment to continuing operation and maintenance of recreation programs, sites, and facilities.	Federal program via NYS OPRHP
Water Resources Development Act-1986, Section 1135, Project Modification for the Improvement of the Environment	Provides resources for ecosystem rehabilitation by modifying structures, operations, and waters resource projects constructed by USACE or restoring areas where a USACE project contributed to a degradation of an area	DOD-USACE Emergency Management contact in respective USACE field office: Chief of Planning, North Atlantic: 718-264-7411
Watershed Surveys and Planning	Surveys and Planning Studies for appraising water and related resources, and service formulating alternative plans for conservation use and development. Grants and advisory/counseling services to assist w/ planning and implementation improvement	US Department of Agriculture (USDA) - National Resources Conservation (NRCS) Watersheds and Wetlands Division: (202) 720-4527 Deputy Chief for Programs: (202) 690-0848 <a href="http://www.nrcs.usda.gov">www.nrcs.usda.gov</a>
Wetlands Protection – Development Grants	Grants to support the development and enhancement of State and tribal wetlands protection programs	US Environmental Protection Agency (EPA) EPA Wetlands Hotline: (800) 832-7828 Or EPA Headquarters, Office of Water Chief, Wetlands Strategies and State Programs: (202) 260-6045
<b>State Funding Sources</b>		
<b>Program</b>	<b>Description</b>	<b>Agency Contact</b>
Appropriations through the Governor’s Office	Funding for mitigation planning and project activity through special appropriations through the Governor’s Office	New York State
NYS Building Aid, State Education Fund	Funding for eligible school facility construction via State Education Funds, NYS Building Aid	NY State Education SED
Environmental Protection Fund	Funding administered by NYS Department of State DOS, Department of Environmental Conservation DEC, and Office of Parks Recreation and Historic preservation OPRHP to	New York State DOS, DEC, OPRHP

Appendix G – Federal and State Funding Sources

<b>Federal and State Funding Sources</b>		
<b>Program</b>	<b>Description</b>	<b>Agency Contact</b>
	support many of the State’s environmental needs. Results include development and mitigation related planning initiatives and projects such as acquisition projects as identified in Conserving Open Space and other Plans.	
The Clean Water/Clean Air Bond Act	Provides significant resources for several open space and recreation programs including, open space conservation projects administered by DEC and OPRHP, farm land protection administered by NYS Dept. of Agriculture and Markets.	New York State DOS, DEC, OPRHP
Hudson River Estuary Grants Program	Grants available from Environmental Protection Fund (EPF) through Hudson River Estuary program <b>to:</b> municipalities and not-for-profit corporations located within the geographic boundaries of the Hudson River Estuary and associated shore lands. <b>for:</b> community interpretive centers and education projects; open space: planning, inventory and acquisition, scenery or river access; community conservation and river stewardship; watershed planning and Implementation and river access improvements.	NYS DEC



TOWN OF LAKE LUZERNE  
REGULAR TOWN BOARD MEETING  
MAY 9, 2011

RESOLUTION # 43 OF 2011 – RESOLVED UPON A MOTION BY COUNCILMAN SHIEL, SECONDED BY COUNCILMAN WATERHOUSE, THAT THE DECLARATION OF A STATE OF EMERGENCY RESOLVED BY THE TOWN BOARD ON APRIL 29<sup>TH</sup> BE RESCINDED AS OF 7:00 PM ON THIS DATE, MAY 9, 2011. COUNCILMAN WATERHOUSE, AYE, COUNCILMAN MCLAIN, AYE, COUNCILMAN SHIEL, AYE, COUNCILMAN DIEHL, AYE, SUPERVISOR MERLINO, AYE .

RESOLUTION # 44 OF 2011 - RESOLVED UPON A MOTION BY SUPERVISOR MERLINO, SECONDED BY COUNCILMAN DIEHL: TO ADOPT THE LANGUAGE OF THE PRESENT WARREN COUNTY HAZARD MITIGATION PLAN FOR THE TOWN OF LAKE LUZERNE AS FOLLOWS:

WHEREAS, THE TOWN OF LAKE LUZERNE WITH THE ASSISTANCE FROM FRIENDS OF THE NORTH COUNTY, INC., HAS GATHERED INFORMATION AND PREPARED THE WARREN COUNTY PRE-DISASTER MULTI JURISDICTIONAL HAZARD MITIGATION PLAN; AND

WHEREAS, THE WARREN COUNTY PRE-DISASTER MULTI JURISDICTIONAL HAZARD MITIGATION PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE DISASTER MITIGATION ACT OF 2000; AND

WHEREAS, THE TOWN OF LAKE LUZERNE IS A LOCAL UNIT OF GOVERNMENT THAT HAS AFFORDED THE CITIZENS AND OPPORTUNITY TO COMMENT AND PROVIDE INPUT IN THE PLAN AND THE ACTIONS IN THE PLAN; AND

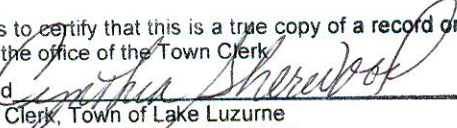
WHEREAS, THE TOWN OF LAKE LUZERNE HAS REVIEWED THE PLAN AND AFFIRMS THAT THE PLAN WILL BE UPDATED NO LESS THAN EVERY FIVE YEARS;

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN BOARD OF LAKE LUZERNE THAT THE TOWN OF LAKE LUZERNE ADOPTS THE WARREN COUNTY PRE-DISASTER MULTI JURISDICTIONAL HAZARD MITIGATION PLAN AS THIS JURISDICTIONS' NATURAL HAZARD MITIGATION PLAN, AND RESOLVED TO EXECUTE THE ACTIONS IN THE PLAN. ROLL CALL VOTE: COUNCILMAN WATERHOUSE, AYE, COUNCILMAN MCLAIN, NO, COUNCILMAN SHIEL, AYE, COUNCILMAN DIEHL, AYE, SUPERVISOR MERLINO, AYE.

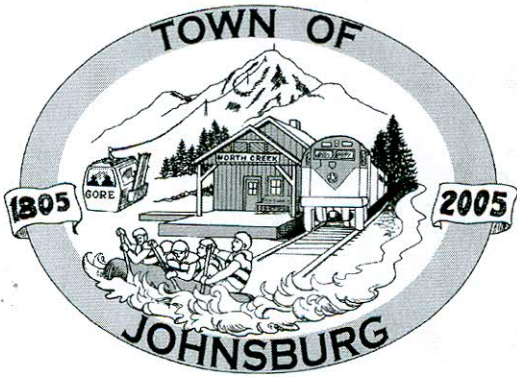
ADOPTED THIS 9<sup>TH</sup> DAY OF MAY, 2011 AT THE MEETING OF THE TOWN BOARD.

RESOLUTION # 45 OF 2011 - RESOLVED UPON A MOTION BY COUNCILMAN MCLAIN, SECONDED BY COUNCILMAN WATERHOUSE: TO TRANSFER \$890.00 FROM PRIOR YEAR FUND BALANCE TO A1110.41 JUSTICE GRANT PURCHASES FOR STEEL DOORS ORDERED IN 2011 BUT NOT RECEIVED UNTIL 2011. ROLL CALL VOTE: COUNCILMAN WATERHOUSE, AYE, COUNCILMAN MCLAIN, AYE, COUNCILMAN SHIEL, AYE, COUNCILMAN DIEHL, AYE, SUPERVISOR MERLINO, AYE.

This is to certify that this is a true copy of a record on file in the office of the Town Clerk

Signed   
Town Clerk, Town of Lake Luzerne  
County of Warren, State of New York  
Date 5-18-2011





# Town of Johnsburg

P.O.Box 7, North Creek, NY, 12853  
Ph: 518-251-2421 Fax 518-251-9991

**Bakers Mills  
Johnsburg  
NorthCreek  
North River  
Riparius  
Wevertown**

## RESOLUTION NO. 74

Mr. Morehouse presented the following resolution and moved its passage with a second from Mr. Arsenault:

(Name of Jurisdiction) Town of Johnsburg

(Governing Body) Town Board

(Address) 219 Main Street, North Creek, NY 12853

## RESOLUTION

WHEREAS, the Town of Johnsburg, with the assistance from Friends of the North County, Inc., has gathered information and prepared the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan; and

WHEREAS, the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS, the Town of Johnsburg is a local unit of government that has afforded the citizens an opportunity to comment and provide input in the Plan and the actions in the Plan; and

WHEREAS, the Town of Johnsburg Town Board members have reviewed the Plan and affirms that the Plan will be updated no less than every five years;

NOW THEREFORE, BE IT RESOLVED by the Town Board that the Town of Johnsburg adopts the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan as this jurisdiction's Natural Hazard Mitigation Plan, and resolves to execute the actions in the Plan.

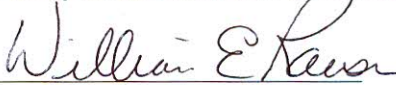
ADOPTED this 3rd day of May, 2011 at the meeting of the Town Board

With 5 members voting in favor the resolution is declared carried. Ayes-5 (Arsenault, Morehouse, Stevens, Vanselow, Goodspeed) Nays -0

STATE OF NEW YORK )  
COUNTY OF WARREN )ss  
TOWN OF JOHNSBURG )

I, William E. Rawson, Town Clerk of the Town of Johnsburg, Warren County, New York, hereby certify that I have compared the foregoing copy of Resolution Number 74, adopted by the Town Board of the Town of Johnsburg, Warren County, New York, at a meeting held at the Wevertown Community Center, Wevertown, NY on the 3rd day of May, 2011, and that the foregoing is a true copy of said resolution entered in the minutes of said meeting.

In testimony whereof I have hereunto set my hand and affixed the seal of said this 12<sup>th</sup> day of May 2011.

  
Town Clerk of the Town of Johnsburg  
Warren County, New York

**Town Supervisor**  
Sterling T. Goodspeed  
(518) 251-2421

**Town Council**  
Eugene M. Arsenault  
Arnold F. Stevens  
Frank E. Morehouse, Jr.  
Ronald G. Vanselow

**Highway Superintendent**  
Daniel B. Hitchcock  
(518) 251-2113

**Town Clerk**  
William E. Rawson  
(518) 251-3011

**Town Assessor**  
Ann P. Deppe  
(518) 251-5559

(Name of Jurisdiction) Town of Johnsbury

(Governing Body) Town Board

(Address) 219 Main Street, North Creek, NY 12853

## RESOLUTION

WHEREAS, the Town of Johnsbury, with the assistance from Friends of the North County, Inc., has gathered information and prepared the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan; and

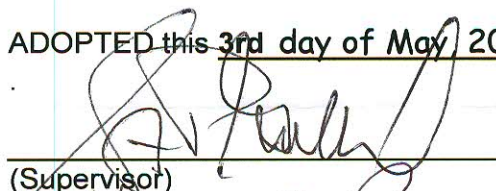
WHEREAS, the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000; and

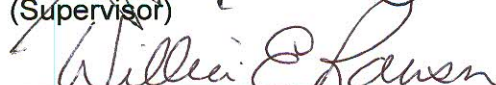
WHEREAS, the Town of Johnsbury is a local unit of government that has afforded the citizens an opportunity to comment and provide input in the Plan and the actions in the Plan; and

WHEREAS, the Town of Johnsbury Town Board members have reviewed the Plan and affirms that the Plan will be updated no less than every five years;

NOW THEREFORE, BE IT RESOLVED by the Town Board that the Town of Johnsbury adopts the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan as this jurisdiction's Natural Hazard Mitigation Plan, and resolves to execute the actions in the Plan.

ADOPTED this 3rd day of May 2011 at the meeting of the Town Board

  
\_\_\_\_\_  
(Supervisor)

  
\_\_\_\_\_  
(Clerk)



TOWN CLERK

Bernice Roberts  
Chestertown

TOWN JUSTICE

James P. McDermott  
Chestertown

TOWN BOARD

Edna Wells  
Pottersville

Michael Packer  
Chestertown

Karen DaRose  
Igera Road

Stephen Durkish  
Chestertown

SUPERVISOR FREDERICK H. MONROE



TOWN OF CHESTER

PO Box 423

CHESTERTOWN, NEW YORK 12817

Telephone (518) 494-2711

Equal Opportunity Employer

HIGHWAY SUPT.

Gary Clark  
Pottersville

SOLE ASSESSOR

Paul Maniacek, IAO

HISTORIAN

Donna Lagoy  
Chestertown

PARKS and  
ENVIRONMENT

John West

**RESOLUTION #45: ADOPT MULTIJURISDICTIONAL HAZARD MITIGATION PLAN.**

Introduced by Mrs. Wells, 2<sup>nd</sup> by Mr. Durkish:

WHEREAS, Town of Chester with the assistance from Friends of the North Country, Inc., has gathered information and prepared the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan ;and

WHEREAS, the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS, Town of Chester is a local unit of government that has offered the citizens an opportunity to comment and provide input in the Plan and the actions in the Plan; and

WHEREAS, Town of Chester have reviewed the Plan and affirms that the Plan will be updated no less than every five years;

NOW THEREFORE, BE IT RESOLVED by the Town Board that Town of Chester adopts the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan as this jurisdiction's Natural Hazard Mitigation Plan, and resolves to execute the actions in the Plan.

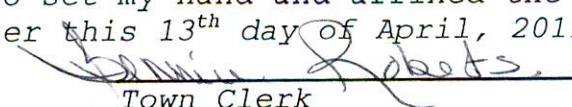
Frederick Monroe - AYE    Michael Packer - AYE    Edna Wells - AYE  
Stephen Durkish - AYE    Karen DuRose - AYE

State of New York]

County of Warren]

I, Bernice Roberts, Town Clerk of the Town Board of the Town of Chester, Warren County, New York, do hereby certify that the foregoing is a true and correct copy and the whole thereof of a Resolution duly adopted by the Town Board on the 12<sup>th</sup> day of April 2011.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the Town of Chester this 13<sup>th</sup> day of April, 2011.

  
Town Clerk





# VILLAGE OF LAKE GEORGE, NEW YORK

P.O. BOX 791  
12845

ROBERT M. BLAIS  
Mayor

DARLENE V. GUNTHER  
Clerk-Treasurer



TRUSTEES  
John Earl  
Ray Perry  
John Root  
Joseph Mastrodomenico, Jr.

ENFORCEMENT OFFICER  
Douglas Frost

518-668-5771  
Fax: 518-668-3735  
E-mail: lgville@nycap.rr.com

Mayor Blais, seconded by Trustee Earl, offered the following resolution:

## RESOLUTION NO. 192, 2011

WHEREAS, the Village of Lake George, with the assistance from Friends of the North Country, Inc. has gathered information, and prepared the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan; and

WHEREAS, the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS, the Village of Lake George is a local unit of government that has afforded the citizens an opportunity to comment and provide input in the Plan and the actions in the Plan; and

WHEREAS, the Village of Lake George has reviewed the Plan and affirms that the Plan will be updated no less than every five years;

NOW THEREFORE, BE IT RESOLVED, by the Board of Trustees that the Village of Lake George adopts the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan as this jurisdiction's Natural Hazard Mitigation Plan, and resolves to execute the actions in the Plan.

VOTING      Ayes: 5      Blais, Earl, Root, Perry, Mastrodomenico  
                 Nays: 0

RESOLUTION NO. 192, 2011 ADOPTED.


February 14, 2011

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I, Darlene V. Gunther, Clerk-Treasurer of the Village of Lake George, New York do hereby certify that the above is a true and complete copy of Resolution No. 192, 2011 adopted by the Board of Trustees of the Village of Lake George, New York on the 14<sup>th</sup> day of February 2011.

In witness whereof, I hereby sign my name and affix the seal of the Village of Lake George, New York this 5<sup>th</sup> day of May 2011.



  
Darlene V. Gunther  
Clerk-Treasurer

# Warren County Board of Supervisors

## RESOLUTION NO. 88 OF 2011

**Resolution introduced by Supervisors VanNess, Bentley, Girard, Thomas, Conover, McCoy and Monroe**

### **ADOPTING THE WARREN COUNTY PRE-DISASTER MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN WITH REGARD TO THE OFFICE OF EMERGENCY SERVICES**

WHEREAS, the Warren County Office of Emergency Services, with the assistance from Friends of the North County, Inc., has gathered information and prepared the Warren County Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan ("PLAN"), and

WHEREAS, the Warren County Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000, and

WHEREAS, Warren County is a local unit of government that has afforded the citizens an opportunity to comment and provide input in the Plan and the actions in the Plan, and

WHEREAS, Warren County has reviewed the Plan and affirms that the Plan will be updated no less than every five years, now, therefore be it

RESOLVED, that the Warren County Board of Supervisors hereby adopts the Warren County Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan as this jurisdiction's Natural Hazard Mitigation Plan and resolves to execute the actions in the Plan.



# Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan

Town of Lake George  
Town Board  
20 Old Post Road  
Lake George, New York 12845

**WHEREAS**, the Town of Lake George with the assistance from Friends of the North County, Inc., has gathered information and prepared the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan; and

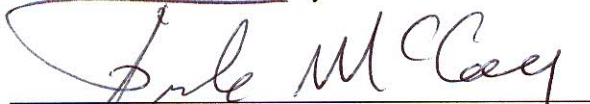
**WHEREAS**, the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000; and

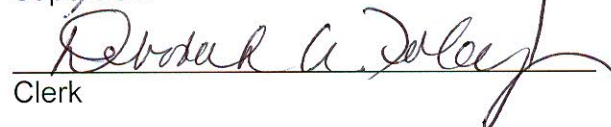
**WHEREAS**, the Town of Lake George is a local unit of government that has afforded the citizens an opportunity to comment and provide input in the Plan and the actions in the Plan; and

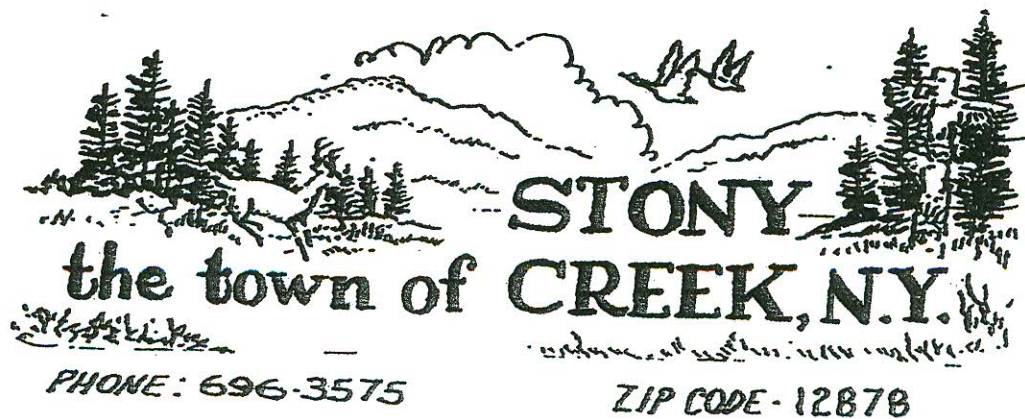
**WHEREAS**, the Town of Lake George has reviewed the Plan and affirms that the Plan will be updated no less than every five years;

**NOW THEREFORE, BE IT RESOLVED** by the Town Board of the Town of Lake George that the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan be adopted as this jurisdiction's Natural Hazard Mitigation Plan, and resolves to execute the actions in the Plan.

ADOPTED this 29<sup>th</sup> day of March 2011 at the meeting of the Town Board.

  
\_\_\_\_\_  
Supervisor

  
\_\_\_\_\_  
Clerk



### TOWN BOARD RESOLUTION

Town Council, Town of Stony Creek, Warren County, NY


I hereby certify that, at a Regular Meeting of the Town of Stony Creek in the County Of Warren, a Municipality with offices at 52 Hadley Road, Stony Creek, New York, duly called (a quorum being present) and held at the Town Offices in the Town of Stony Creek, County of Warren and State of New York, on March 15, 2011 the following Resolution was duly adopted and is now in full force and effect:

WHEREAS, as the County Board of Supervisors, authorized the County's participation in the planning process for the Warren County Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan, now therefore be it

RESOLVED, that this Town Board of the Town of Stony Creek does hereby adopt the Warren County Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan, and,

BE IT FURTHER RESOLVED that a Certified copy of this Resolution be sent by the Stony Creek Town Clerk to Friends of the North Country for inclusion in the Plan.

IN WITNESS WHEREOF, I have hereunto set my hand as Town Clerk of the Town of Stony Creek, on this 17<sup>th</sup> day of March 2011.

  
Town of Stony Creek, Town Clerk

(SEAL)



**TOWN OF STONY CREEK**

YEAR 2011

RESOLUTION NO. 062

DATE: March 15

INTRODUCED BY: Councilman Ross

SECONDED BY: Supervisor Thomas

**TEXT:**

WHEREAS, as the County Board of Supervisors, authorized the County's participation in the planning process for the Warren County Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan, and

WHEREAS, Stony Creek, with the assistance from Friends of The North Country, Inc., has gathered information and prepared the Warren County Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan; and

WHEREAS, the Warren County Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000,

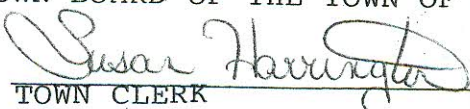
NOW THEREFORE BE IT RESOLVED, that the Town Board of the Town of Stony Creek does hereby adopt the Warren County Pre-Disaster Multi-Jurisdictional Plan and

BE IT FURTHER RESOLVED, that a certified copy of this resolution be sent to Friends of The North Country, Inc. for inclusion in the Plan.

**ROLL CALL VOTE:**

<u>Supervisor Thomas</u>	<u>Yes</u>
<u>Councilman Aldrich</u>	<u>Yes</u>
<u>Councilman Ross</u>	<u>Yes</u>
<u>Councilman Liebl</u>	<u>Yes</u>
<u>Councilman Gill</u>	<u>Yes</u>

I HEREBY CERTIFY THAT THIS IS A TRUE AND EXACT COPY OF THE RESOLUTION AS PASSED BY THE TOWN BOARD OF THE TOWN OF STONY CREEK.

  
TOWN CLERK

**RESOLUTION #44-2011**

Messrs. Olson and Hill introduced Res. No. 44 and moved its adoption, all Ayes:

**RESOLUTION TO ADOPT THE WARREN COUNTY PRE-DISASTER  
MULTIJURISDICTIONAL HAZARD MITIGATION PLAN**

WHEREAS, the Town of Horicon, with the assistance from the Friends of the North Country, Inc., has gathered information and prepared the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan, AND

WHEREAS, the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan Has been prepared in accordance with the Disaster Mitigation Act of 2000, AND

WHEREAS, the Town of Horicon is a local unit of government that has afforded the citizens an opportunity to comment and provide input in the Plan and the actions in the Plan, AND

WHEREAS, the Town of Horicon, has reviewed the Plan and affirms that the Plan will be updated no less than every five years, NOW, THEREFORE BE IT

RESOLVED, by the Horicon Town Board that the Town of Horicon adopts the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan as this jurisdiction's Natural Hazard Mitigation Plan, and resolves to execute the actions in the Plan.

AYES: 5

NAYS: 0

ABSENT: 0

Councilman Hill: AYE

Councilman Higgins: AYE

Councilman Olson: AYE

Councilman Dooris: AYE

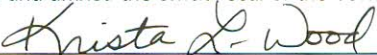
Supervisor Bentley: AYE

State of New York)

County of Warren)

I, KRISTA WOOD, TOWN CLERK OF THE TOWN OF HORICON, COUNTY OF WARREN, do hereby certify that the foregoing is a true and correct copy and the whole thereof of a Resolution duly adopted by the Town Board of the Town of Horicon on the 17th day of February, 2011.

IN WITNESS WHEREOF, I have set my hand and affixed the official seal of the Town of Horicon this 17th day of February, 2011.

  
\_\_\_\_\_  
Krista L. Wood, Town Clerk

## RESOLUTION #51-11

Town Of Warrensburg

Warrensburg Town Board

3797 Main Street, Warrensburg, New York

### RESOLUTION:

WHEREAS, Town of Warrensburg, with the assistance from Friends of the North Country, Inc, has gathered information and prepared the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan; and

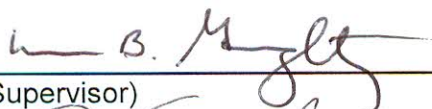
WHEREAS, the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000; and

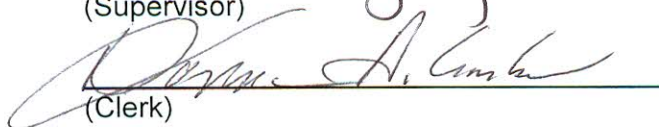
WHEREAS, Town of Warrensburg is a local unit of government that has afforded the citizens an opportunity to comment and provide input in the Plan and the actions in the Plan; and

WHEREAS, Town of Warrensburg have reviewed the Plan and affirms that the Plan will be updated no less than every five years;

NOW THEREFORE, BE IT RESOLVED by Warrensburg Town Board that Warrensburg adopts the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan as this jurisdiction's Natural Hazard Mitigation Plan, and resolves to execute the actions in the Plan.

ADOPTED this 9<sup>th</sup> day of February, 2011 at the meeting of the Warrensburg Town Board.

  
\_\_\_\_\_  
(Supervisor)

  
\_\_\_\_\_  
(Clerk)



# Town of Hague

Community Center • Graphite Mountain Road • Hague, N.Y. 12836

## RESOLUTION #38 OF 2011

Town of Hague  
Hague Town Board  
PO Box 509, Hague, New York 12836

### RESOLUTION INTRODUCED BY E. Frasier, SECONDED BY M. Martucci

WHEREAS, the Town of Hague, with the assistance from Friends of the North County, Inc., has gathered information and prepared the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan; and

WHEREAS, the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS, Town of Hague is a local unit of government that has afforded the citizens an opportunity to comment and provide input in the Plan and the actions in the Plan; and

WHEREAS, the Town of Hague have reviewed the Plan and affirms that the Plan will be updated no less than every five years;

NOW THEREFORE, BE IT RESOLVED by the Hague Town Board that the Town of Hague adopts the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan as this jurisdiction's Natural Hazard Mitigation Plan, and resolves to execute the actions in the Plan.

ADOPTED this 8th day of February, 2011 at the meeting of the Hague Town Board.

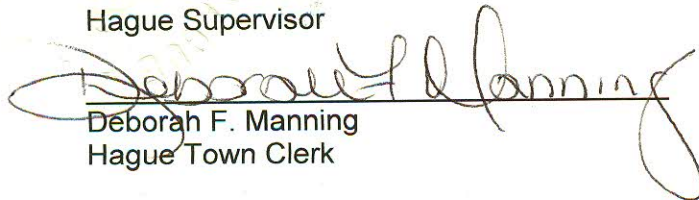
AYES: Supervisor Belden, E. Frasier, M. Martucci, R. Gladu and R. Meola

NAYS: None

ABSENT: None.



Daniel D. Belden  
Hague Supervisor



Deborah F. Manning  
Hague Town Clerk

w. ctg

At a regular Common Council meeting held on Tuesday, March 22, 2011 in the Common Council Chambers, City Hall, 42 Ridge Street, Glens Falls, New York, 12801, the following resolution was passed.

**RESOLUTION NO. 103**

On the motion of Councilman Busch, seconded by Councilman Driscoll,

**WHEREAS**, the City of Glens Falls, with the assistance from Friends of the North Country, Inc., has gathered information and prepared the Warren County Pre-Disaster Multi-jurisdictional Hazard Mitigation Plan; and

**WHEREAS**, the Warren County Pre-Disaster Multi-jurisdictional Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000; and

**WHEREAS**, the City of Glens Falls is a local unit of government that has afforded the citizens an opportunity to comment and provide input in the Plan and the actions in the Plan; and

**WHEREAS**, the City of Glens Falls has reviewed the Plan and affirms that the Plan will be updated no less than every 5 years;

**NOW, THEREFORE BE IT RESOLVED**, by the Glens Falls Common Council that the City of Glens Falls hereby adopts the Warren County Pre-Disaster Multi-jurisdictional Hazard Mitigation Plan as this jurisdiction's Natural Hazard Mitigation Plan; and

**FURTHER**, that the Common Council hereby resolves to execute the actions in the Plan.

**Roll call vote taken on the foregoing resolution resulted as follows:**

**AYES:** Councilman-at-Large Hall, Councilwoman Villa-White, Councilmen Busch, Brock and Driscoll.

**NAYS:** None.

**Said resolution declared Adopted.**

.....

CITY OF GLENS FALLS  
STATE OF NEW YORK  
COUNTY OF WARREN

ss:

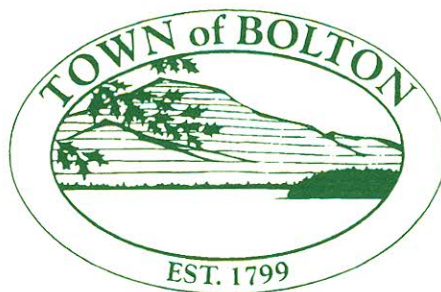
I, Aileen Dove, **Deputy City Clerk** of the City of Glens Falls and **Clerk** of the **Common Council** of said City, do hereby certify that the Resolution and Order, of which the foregoing is a copy, was duly adopted by the **Common Council** of the City of Glens Falls, at a meeting of the said **Council** held on the 22<sup>nd</sup> day of March, 2011 and that I have compared the preceding resolution with the original resolution duly adopted by said **Common Council** and contained in the minutes of said meeting of said **Common Council** now on file in my office, and that the same is a correct transcript therefrom and of the whole of said original.

IN WITNESS WHEREOF, I HAVE  
HEREUNTO subscribed my name  
and affixed the seal of said City,  
this 24<sup>th</sup> day of

March, 2011  
Aileen M. Dove  
DEPUTY CITY CLERK



Assessor  
644-2894  
Justice Court  
644-2202  
Planning  
644-2893



Supervisor  
644-2461  
Town Clerk  
644-2444  
Fax  
518-644-2476

## ADOPTION RESOLUTION

(Name of Jurisdiction) Town of Bolton

(Governing Body) Town Board

(Address) 4949 Lakeshore Drive Bolton Landing, NY 12814

### RESOLUTION

WHEREAS, the Town of Bolton, with the assistance from Friends of the North County, Inc., has gathered information and prepared the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan; and

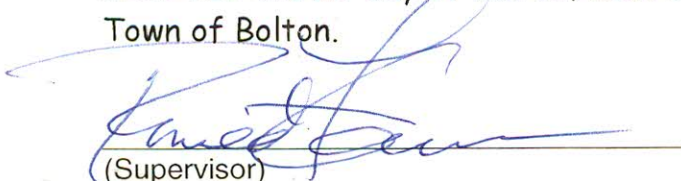
WHEREAS, the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000; and


WHEREAS, the Town of Bolton is a local unit of government that has afforded the citizens an opportunity to comment and provide input in the Plan and the actions in the Plan; and

WHEREAS, the Town of Bolton have reviewed the Plan and affirms that the Plan will be updated no less than every five years;

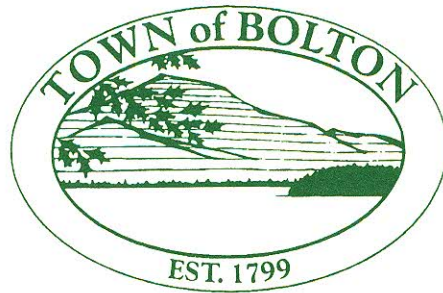
NOW THEREFORE, BE IT RESOLVED by the Town Board that the Town of Bolton adopts the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan as this jurisdiction's Natural Hazard Mitigation Plan, and resolves to execute the actions in the Plan.

ADOPTED this 1st day of March, 2011 at the meeting of the Town Board of the Town of Bolton.

  
(Supervisor)

  
(Town Clerk)

Assessor  
644-2894  
Justice Court  
644-2202  
Planning  
644-2893



Supervisor  
644-2461  
Town Clerk  
644-2444  
Fax  
518-644-2476

RESOLUTION #46

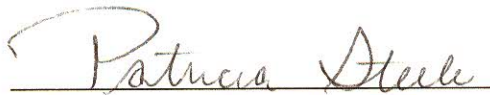
Councilmember Rehm moved, seconded by Councilman Smith to adopt the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan as Bolton's Natural Hazard Mitigation Plan. All in Favor. Motion Carried.

CERTIFICATE OF RECORDING OFFICER

That the above Resolution is a true and correct copy of Resolution #46 of 2011, as adopted at a legally convened meeting of the Town Board of the Town of Bolton duly held on the 1<sup>st</sup> day of March 2011; and further that such resolution has been fully recorded in the Town Minute Book in my office.

Resolution offered by: Councilmember Rehm and seconded by Councilman Smith.  
All In Favor. Motion Carried.

In witness thereof, I have hereunto set my hand this 3rd day of March 2011.

  
\_\_\_\_\_  
Signature of Recording Officer

  
\_\_\_\_\_  
Title of Recording Officer



**RESOLUTION AUTHORIZING ADOPTION OF WARREN COUNTY PRE-DISASTER MULTIJURISDICTIONAL HAZARD MITIGATION PLAN**

**RESOLUTION NO. 89, 2011**

**INTRODUCED BY: Mr. John Strough  
WHO MOVED ITS ADOPTION**

**SECONDED BY: Mr. Anthony Metivier**

WHEREAS, the Town of Queensbury, with the assistance from the Friends of the North County, Inc., has gathered information and prepared the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan, and

WHEREAS, the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000, and

WHEREAS, the Town of Queensbury is a local unit of government that has afforded the citizens an opportunity to comment and provide input in the Plan and the actions in the Plan, and

WHEREAS, the Town of Queensbury has reviewed the Plan and affirms that the Plan will be updated no less than every five (5) years,

NOW, THEREFORE, BE IT

RESOLVED, that the Queensbury Town Board hereby adopts the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan as this jurisdiction's Natural Hazard Mitigation Plan and resolves to execute the actions in the Plan.

Duly adopted this 28<sup>th</sup> day of February, 2011, by the following vote:

AYES : Mr. Strough, Mr. Brewer, Mr. Stec, Mr. Metivier

NOES : None

ABSENT: Mr. Montesi

I, Darleen M. Dougher, Town Clerk of the Town of Queensbury, Warren County, New York, do hereby certify that I have compared the foregoing with the original resolution as listed above adopted at a *Regular* meeting of the Town Board of the Town of Queensbury held on the *28* day of *February* 20*11*, at which a quorum was present and that the same is a correct transcript therefrom and of the whole original thereof to date,

IN WITNESS THEREOF, I have hereto set my hand and the SEAL of said Town of Queensbury, this *2* day of *March*, 20*11*

SEAL

SIGNED:

*Darleen M. Dougher*  
Darleen M. Dougher  
Town Clerk  
Town of Queensbury

**TOWN OF THURMAN**  
**RESOLUTION # 54 OF 2011**

Resolution Introduced by: Leon Galusha

Seconded by: Rebecca Hitchcock

Supervisor	Evelyn Wood	Yea <u>X</u>	Nay ___
Councilman	Charles E. Bills	Yea <u>X</u>	Nay ___
Councilman	Al Vasak	Yea <u>X</u>	Nay ___
Councilman	Leon J. Galusha	Yea <u>X</u>	Nay ___
Councilwoman	Rebecca Hitchcock	Yea <u>X</u>	Nay ___

**Resolution to Adopt the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan**

**WHEREAS**, the Town of Thurman, with the assistance from Friends of the North County, Inc., has gathered information and prepared the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan; and

**WHEREAS**, the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan has been prepared in accordance with the Disaster Mitigation Act of 2000; and

**WHEREAS**, the Town of Thurman is a local unit of government that has afforded the citizens an opportunity to comment and provide input in the Plan and the actions in the Plan; and

**WHEREAS**, the Town Board of the Town of Thurman has reviewed the Plan and affirms that the Plan will be updated no less than every five years;

**NOW THEREFORE, BE IT RESOLVED** by the Thurman Town Board that the Town of Thurman adopts the Warren County Pre-Disaster Multijurisdictional Hazard Mitigation Plan as this jurisdiction's Natural Hazard Mitigation Plan, and resolves to execute the actions in the Plan.

**STATE OF NEW YORK )**

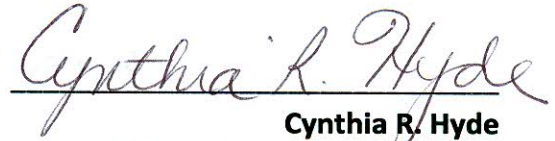
**)SS:**

**COUNTY OF WARREN )**

I, Cynthia R. Hyde, Town Clerk of the Town of Thurman of the County of Warren, do hereby certify that the foregoing is a true and correct copy and the whole thereof, of a

Resolution duly adopted by the Town Board of the Town of Thurman of the County of Warren,  
on the 12 day of April, 2011.

**IN WITNESS WHEREOF**, I have hereunto set my hand and affixed the official seal of the Town of  
Thurman this 12 day of April, 2011.



**Cynthia R. Hyde**

Clerk of the Town of Thurman  
County of Warren

**WARREN COUNTY**  
**Asset Value - Buildings**

From Date: 01/01/2007 - To Date: 12/31/2007

Effective Date: 12/31/2007

Asset	Capitalization Date	Original Value	Adjustments	Reporting Period Depreciation	Net Accumulated Depreciation	Book Value
Reporting Category: Capital						
Accounting Category: General / Governmental Fixed Asset						
Classification: K102						
1 Municipal Center	07/01/1962	\$6,915,903.00	\$0.00	\$0.00	\$6,915,903.00	\$0.00
10 Concrete Block Garage	07/01/1950	\$29,515.00	\$0.00	\$0.00	\$0.00	\$29,515.00
100 Fuel Management System - Lake Luzerne	07/01/1999	\$98,062.69	\$0.00	\$2,451.57	\$20,634.03	\$77,428.66
101 Fuel Management System - Municipal Center	07/01/1999	\$72,550.15	\$0.00	\$1,813.75	\$15,265.75	\$57,284.40
102 Fuel Management System - Warrensburg	07/01/1999	\$96,821.44	\$0.00	\$2,420.54	\$20,372.85	\$76,448.59
103 Final - Generator Elect & Fencing	07/01/2000	\$2,494.38	\$0.00	\$0.00	\$0.00	\$2,494.38
104 Board Room Sound System	07/01/2000	\$11,586.31	\$0.00	\$0.00	\$0.00	\$11,586.31
105 Parking Lot Street Lights - Municipal Center	07/01/2000	\$1,058.40	\$0.00	\$0.00	\$0.00	\$1,058.40
106 Building #10 Generator/Electrical	07/01/2000	\$8,529.40	\$0.00	\$0.00	\$0.00	\$8,529.40
107 AARF Building Generator Work	07/01/2000	\$1,445.59	\$0.00	\$0.00	\$0.00	\$1,445.59
108 Picnic Shelter - Up Yonda	07/01/2000	\$2,529.59	\$0.00	\$0.00	\$0.00	\$2,529.59
109 Split Rail Fencing - Bikeway	07/01/2000	\$2,223.75	\$0.00	\$0.00	\$0.00	\$2,223.75
11 Metal Equipment Storage	07/01/1978	\$26,589.00	\$0.00	\$0.00	\$0.00	\$26,589.00
110 Green Building - Mundy Property	07/01/2000	\$3,900.00	\$0.00	\$0.00	\$0.00	\$3,900.00
111 Parking Lot - Mundy Property	07/01/2000	\$9,574.52	\$0.00	\$0.00	\$0.00	\$9,574.52
112 DPW - Balance of Telephone System	07/01/2000	\$9,830.00	\$0.00	\$0.00	\$0.00	\$9,830.00
113 North Creek Generator Work	07/01/2000	\$542.50	\$0.00	\$0.00	\$0.00	\$542.50
114 Salt Storage Building - North Creek	07/01/2000	\$4,504.14	\$0.00	\$0.00	\$0.00	\$4,504.14
115 Grader Building - Heating, Plumbing, Electrical - Warrensburg	07/01/2000	\$6,057.74	\$0.00	\$0.00	\$0.00	\$6,057.74
116 Fuel Expansion - Hague	07/01/2000	\$65,773.68	\$0.00	\$1,644.34	\$12,195.53	\$53,578.15
117 Fuel Expansion - Bolton	07/01/2000	\$67,040.80	\$0.00	\$1,676.02	\$12,430.48	\$54,610.32
118 Pole Barn - Fish Hatchery	07/01/2001	\$1,268.54	\$0.00	\$0.00	\$0.00	\$1,268.54
119 Garage - Fish Hatchery	07/01/2001	\$1,772.81	\$0.00	\$0.00	\$0.00	\$1,772.81
12 Metal Equipment Storage	07/01/1978	\$26,589.00	\$0.00	\$0.00	\$0.00	\$26,589.00
120 Panels - Public Health Offices	07/01/2001	\$6,273.64	\$0.00	\$0.00	\$0.00	\$6,273.64
121 Warrensburg Telephone Upgrade	07/01/2001	\$1,751.00	\$0.00	\$0.00	\$0.00	\$1,751.00
122 Telephone System	07/01/2001	\$11,075.00	\$0.00	\$0.00	\$0.00	\$11,075.00
123 Fuel Management System	07/01/2001	\$15,932.10	\$0.00	\$0.00	\$0.00	\$15,932.10
124 Gurney Lane Salt Shed	07/01/2002	\$24,627.63	\$0.00	\$0.00	\$0.00	\$24,627.63
125 Fairground Restrooms	07/01/2002	\$81,442.23	\$0.00	\$2,036.06	\$11,028.64	\$70,413.59
126 Corinth Salt Shed	07/01/2002	\$32,651.94	\$0.00	\$0.00	\$0.00	\$32,651.94
127 Municipal Center Roof	11/01/2003	\$641,400.00	\$0.00	\$16,035.00	\$65,476.25	\$575,923.75
128 Fairground Pavilion	07/01/2003	\$7,420.01	\$0.00	\$0.00	\$0.00	\$7,420.01

**WARREN COUNTY**  
**Asset Value - Buildings**

From Date: 01/01/2007 - To Date: 12/31/2007

Effective Date: 12/31/2007

Asset	Capitalization Date	Original Value	Adjustments	Reporting Period Depreciation	Net Accumulated Depreciation	Book Value
129 Gurney Lane Salt Shed	07/01/2003	\$1,824.49	\$0.00	\$0.00	\$0.00	\$1,824.49
13 Metal Equipment Storage (Old)	07/01/1945	\$1,852.00	\$0.00	\$0.00	\$0.00	\$1,852.00
130 Fairground Pavilion	07/01/2004	\$5,657.27	\$0.00	\$0.00	\$0.00	\$5,657.27
131 DPW Facility Salt Shed	07/01/2004	\$18,732.65	\$0.00	\$0.00	\$0.00	\$18,732.65
132 Fish Hatchery Pavilion	07/01/2005	\$5,734.75	\$0.00	\$0.00	\$0.00	\$5,734.75
133 Up Yonda Garage	07/01/2005	\$8,351.85	\$0.00	\$0.00	\$0.00	\$8,351.85
134 Public Safety Facility	07/01/2005	\$23,718,593.89	\$0.00	\$592,964.85	\$1,432,998.39	\$22,285,595.50
135 DPW Facility	07/01/2005	\$879,436.06	\$0.00	\$21,985.90	\$53,132.59	\$826,303.47
136 Pond Shelter	07/01/2006	\$18,870.44	\$0.00	\$0.00	\$0.00	\$18,870.44
137 Airport Maintenance Hangar	11/30/2006	\$977,719.65	\$0.00	\$24,442.99	\$26,479.91	\$951,239.74
14 Small Metal Storage (Old)	07/01/1945	\$492.00	\$0.00	\$0.00	\$0.00	\$492.00
15 Metal Storage Rear-Main Garage	07/01/1945	\$490.00	\$0.00	\$0.00	\$0.00	\$490.00
16 Main Garage	07/01/1937	\$31,830.00	\$0.00	\$0.00	\$0.00	\$31,830.00
17 Administration Building	07/01/1946	\$58,182.00	\$0.00	\$0.00	\$58,182.00	\$0.00
18 Large Aircraft Hangar	07/01/1948	\$36,903.00	\$0.00	\$0.00	\$0.00	\$36,903.00
19 T-Hangar #1-6	07/01/1947	\$9,758.00	\$0.00	\$0.00	\$0.00	\$9,758.00
2 Municipal Center Annex (Building 10)	07/01/1927	\$168,108.00	\$0.00	\$0.00	\$168,108.00	\$0.00
20 T-Hangar #7-12	07/01/1947	\$9,758.00	\$0.00	\$0.00	\$0.00	\$9,758.00
21 Business Garage	07/01/1946	\$9,561.00	\$0.00	\$0.00	\$0.00	\$9,561.00
22 Aircraft Shop	07/01/1948	\$12,936.00	\$0.00	\$0.00	\$0.00	\$12,936.00
23 F.B.O. Office	07/01/1972	\$24,210.00	\$0.00	\$0.00	\$0.00	\$24,210.00
24 Metal Storage	07/01/1948	\$5,032.00	\$0.00	\$0.00	\$0.00	\$5,032.00
25 Sand Storage	07/01/1974	\$100.00	\$0.00	\$0.00	\$0.00	\$100.00
26 Frame Storage (Rear-Hangar 12)	07/01/1977	\$100.00	\$0.00	\$0.00	\$0.00	\$100.00
27 Hatchery Building, Visitors Center, Dwelling, Barn-Garage	07/01/1980	\$1.00	\$0.00	\$0.00	\$0.00	\$1.00
29 Residence Hall/Metal Pump House	07/01/1980	\$1,346,831.00	\$0.00	\$33,670.77	\$923,140.41	\$423,690.59
3 Office Building (Building 11)	07/01/1927	\$20,023.00	\$0.00	\$0.00	\$0.00	\$20,023.00
30 Cooperative Extension Building/12x12 Storage Garage	07/01/1985	\$215,775.00	\$0.00	\$5,394.38	\$120,923.91	\$94,851.09
31 Concrete Block Storage (Parks & Rec), Root Cellar, Cattle Barn, Workshop Exhibit, Corn Crib, Poultry House, New Pole Barn, etc.	07/01/1985	\$15,727.00	\$0.00	\$0.00	\$0.00	\$15,727.00
32 Sign Shop	07/01/1974	\$77,877.00	\$0.00	\$1,946.92	\$65,059.74	\$12,817.26
33 Shed Rear	07/01/1974	\$1,030.00	\$0.00	\$0.00	\$0.00	\$1,030.00
34 Storage Garage (Bay Road)	07/01/1959	\$8,153.00	\$0.00	\$0.00	\$0.00	\$8,153.00
35 Maintenance Shop - Office (Bay Road)	07/01/1959	\$10,500.00	\$0.00	\$0.00	\$0.00	\$10,500.00
36 Metal Building - Toney Pit	07/01/1986	\$36,085.00	\$0.00	\$0.00	\$0.00	\$36,085.00
37 Metal Building - LG Landfill	07/01/1977	\$20,335.00	\$0.00	\$0.00	\$0.00	\$20,335.00

**WARREN COUNTY**  
**Asset Value - Buildings**

From Date: 01/01/2007 - To Date: 12/31/2007

Effective Date: 12/31/2007

Asset	Capitalization Date	Original Value	Adjustments	Reporting Period Depreciation	Net Accumulated Depreciation	Book Value
38 Metal Building - Tongue Mountain	07/01/1974	\$4,448.00	\$0.00	\$0.00	\$0.00	\$4,448.00
39 Metal Building - North Creek	07/01/1981	\$58,388.00	\$0.00	\$1,459.70	\$38,560.41	\$19,827.59
4 Detention Home (Building 12)	07/01/1927	\$7,736.00	\$0.00	\$0.00	\$0.00	\$7,736.00
40 Building Improvements	07/01/1989	\$242,600.00	\$0.00	\$6,065.00	\$111,697.08	\$130,902.92
400 Countryside Adult Home Energy Project	12/31/2006	\$191,133.00	\$0.00	\$4,778.33	\$4,778.33	\$186,354.67
400A Countryside Adult Home Energy Project	01/01/2007	\$136,216.37	\$0.00	\$3,121.63	\$3,121.63	\$133,094.74
41 Blinds - Social Services	07/01/1990	\$3,187.00	\$0.00	\$0.00	\$0.00	\$3,187.00
42 Elevator Improvement	07/01/1991	\$20,700.00	\$0.00	\$0.00	\$0.00	\$20,700.00
43 Building Improvements	07/01/1991	\$31,290.32	\$0.00	\$0.00	\$0.00	\$31,290.32
44 Recycle Building	07/01/1992	\$861,511.37	\$0.00	\$21,537.76	\$288,965.86	\$572,545.51
45 Pond Enclosure - Fish Hatchery	07/01/1993	\$44,141.08	\$0.00	\$0.00	\$0.00	\$44,141.08
46 DPW Facility	07/01/1994	\$1,911,198.51	\$0.00	\$47,779.96	\$641,047.83	\$1,270,150.68
47 Building Improvement - Old Shop	07/01/1993	\$125,777.15	\$0.00	\$3,144.43	\$45,332.18	\$80,444.97
48 Building Improvement - New Shop	07/01/1993	\$51,001.82	\$0.00	\$1,275.05	\$18,381.91	\$32,619.91
49 Building Improvement - North Creek	07/01/1993	\$509.76	\$0.00	\$0.00	\$0.00	\$509.76
5 Storage Garage	07/01/1927	\$4,336.00	\$0.00	\$0.00	\$0.00	\$4,336.00
50 Parks & Rec - Furnace, Oil Tank	07/01/1993	\$2,765.18	\$0.00	\$0.00	\$0.00	\$2,765.18
51 Airport - Condensation Pump, Large Generator, Electric Pumps	07/01/1994	\$2,500.00	\$0.00	\$0.00	\$0.00	\$2,500.00
52 5 Baby Changing Stations (2-Family Court - \$450, 2-Social Svcs - \$450, 1 WIC Bath - \$225)	07/01/1994	\$1,125.00	\$0.00	\$0.00	\$0.00	\$1,125.00
53 Heater - New DPW Shop	07/01/1994	\$3,580.00	\$0.00	\$0.00	\$0.00	\$3,580.00
54 Building Improvements	07/01/1994	\$12,979.39	\$0.00	\$0.00	\$0.00	\$12,979.39
55 DPW New Shop	07/01/1995	\$6,950.00	\$0.00	\$0.00	\$0.00	\$6,950.00
56 Building Improvements	07/01/1996	\$30,936.00	\$0.00	\$0.00	\$0.00	\$30,936.00
57 Audio-Visual Auditorium - Up Yonda	07/01/1996	\$101,337.00	\$0.00	\$2,533.43	\$28,923.27	\$72,413.73
58 Main Display Barn - Up Yonda	07/01/1996	\$93,227.00	\$0.00	\$2,330.68	\$26,608.54	\$66,618.46
59 Bathroom & Info Booth - Up Yonda	07/01/1996	\$116,153.00	\$0.00	\$2,903.82	\$33,152.00	\$83,001.00
6 Office Building (Building 11)	07/01/1937	\$23,519.00	\$0.00	\$0.00	\$0.00	\$23,519.00
60 Building Improvements - Up Yonda	07/01/1994	\$105,000.00	\$0.00	\$2,625.00	\$35,218.75	\$69,781.25
61 DPW Office Building	07/01/1998	\$8,060.00	\$0.00	\$0.00	\$0.00	\$8,060.00
62 Detention Home	07/01/1998	\$9,409.55	\$0.00	\$0.00	\$0.00	\$9,409.55
63 Railroad Station House	07/01/1998	\$50,287.62	\$0.00	\$1,257.19	\$11,838.54	\$38,449.08
64 ARFF Building Design - Airport	07/01/1998	\$294,474.00	\$0.00	\$7,361.85	\$69,324.09	\$225,149.91
65 Barton Building - Railroad	07/01/1998	\$13,000.00	\$0.00	\$0.00	\$0.00	\$13,000.00
66 Carpet - Data Processing	07/01/1999	\$3,070.50	\$0.00	\$0.00	\$0.00	\$3,070.50
67 Warrensburg Office Carpet	07/01/1999	\$2,715.74	\$0.00	\$0.00	\$0.00	\$2,715.74
68 Warrensburg Office Tile & Kitchen Cabinets	07/01/1999	\$4,093.84	\$0.00	\$0.00	\$0.00	\$4,093.84



**WARREN COUNTY**  
**Asset Value - Buildings**

From Date: 01/01/2007 - To Date: 12/31/2007

Effective Date: 12/31/2007

Asset	Capitalization Date	Original Value	Adjustments	Reporting Period Depreciation	Net Accumulated Depreciation	Book Value
69 Old Westmount - Windows	07/01/1999	\$5,383.00	\$0.00	\$0.00	\$0.00	\$5,383.00
7 Metal Shed (Parks & Rec)	07/01/1978	\$19,286.00	\$0.00	\$0.00	\$0.00	\$19,286.00
70 Sheriff - Operable Wall	07/01/1999	\$5,335.00	\$0.00	\$0.00	\$0.00	\$5,335.00
71 Sheriff - Generator	07/01/1999	\$21,645.00	\$0.00	\$0.00	\$0.00	\$21,645.00
72 Airport Fence	07/01/1999	\$4,850.00	\$0.00	\$0.00	\$0.00	\$4,850.00
73 Airport - Generator	07/01/1999	\$3,509.58	\$0.00	\$0.00	\$0.00	\$3,509.58
74 Airport - Electrical Upgrade	07/01/1999	\$11,884.50	\$0.00	\$0.00	\$0.00	\$11,884.50
75 T-Hangar - Recable Doors	07/01/1999	\$3,000.00	\$0.00	\$0.00	\$0.00	\$3,000.00
76 T-Hangar - New Lighting	07/01/1999	\$3,206.25	\$0.00	\$0.00	\$0.00	\$3,206.25
77 Main Hangar - Electrical Upgrade	07/01/1999	\$3,262.30	\$0.00	\$0.00	\$0.00	\$3,262.30
78 Parks & Rec - Telephone System	07/01/1999	\$1,274.00	\$0.00	\$0.00	\$0.00	\$1,274.00
79 DPW - Highway 1/2 of Telephone System	07/01/1999	\$9,830.00	\$0.00	\$0.00	\$0.00	\$9,830.00
8 Metal Shed (Tire Storage)	07/01/1979	\$13,197.00	\$0.00	\$0.00	\$0.00	\$13,197.00
80 DPW - North Creek - Generator Upgrade	07/01/1999	\$1,005.95	\$0.00	\$0.00	\$0.00	\$1,005.95
81 DPW - Office Building - Generator Upgrade	07/01/1999	\$4,561.56	\$0.00	\$0.00	\$0.00	\$4,561.56
82 DPW - Southend - Generator Upgrade	07/01/1999	\$467.50	\$0.00	\$0.00	\$0.00	\$467.50
83 Mechanic's Shop - Generator Upgrade	07/01/1999	\$6,878.35	\$0.00	\$0.00	\$0.00	\$6,878.35
84 Old Shop - Generator Upgrade	07/01/1999	\$5,370.16	\$0.00	\$0.00	\$0.00	\$5,370.16
85 Westmount - Nursing Call System	07/01/1999	\$33,446.51	\$0.00	\$0.00	\$0.00	\$33,446.51
86 Westmount - Sprinkler System	07/01/1999	\$550.00	\$0.00	\$0.00	\$0.00	\$550.00
87 Westmount - Kydex Kick Plate	07/01/1999	\$433.48	\$0.00	\$0.00	\$0.00	\$433.48
88 Airport Terminal Improvements	07/01/1999	\$179,328.97	\$0.00	\$4,483.22	\$37,733.80	\$141,595.17
89 WC Residential Hall Renovations	07/01/1999	\$46,477.92	\$0.00	\$0.00	\$0.00	\$46,477.92
9 Frame Equip Storage	07/01/1965	\$7,214.00	\$0.00	\$0.00	\$0.00	\$7,214.00
90 Double Door & Hardware	07/01/1999	\$1,564.60	\$0.00	\$0.00	\$0.00	\$1,564.60
91 Airport T-Hangar Design & Construction	07/01/1999	\$180,030.60	\$0.00	\$4,500.77	\$37,881.44	\$142,149.16
92 Municipal Emergency Generator	07/01/1999	\$79,770.64	\$0.00	\$1,994.27	\$16,785.08	\$62,985.56
93 Electrical-Emergency Generator	07/01/1999	\$42,674.50	\$0.00	\$0.00	\$0.00	\$42,674.50
94 Generator for Annex - Old Westmount	07/01/1999	\$33,950.00	\$0.00	\$0.00	\$0.00	\$33,950.00
95 Electrical-Emergency Generator	07/01/1999	\$5,000.00	\$0.00	\$0.00	\$0.00	\$5,000.00
96 Electrical-Annex Generator	07/01/1999	\$22,583.85	\$0.00	\$0.00	\$0.00	\$22,583.85
97 Fuel Management System - Airport	07/01/1999	\$268,405.61	\$0.00	\$6,710.14	\$56,477.01	\$211,928.60
98 Fuel Management System - Horicon	07/01/1999	\$110,664.29	\$0.00	\$2,766.61	\$23,285.62	\$87,378.67
99 Fuel Management System - Johnsburg	07/01/1999	\$72,550.15	\$0.00	\$1,813.75	\$15,265.75	\$57,284.40
Classification K102 Subtotal:	138 Assets	\$41,833,254.50	\$0.00	\$838,925.68	\$11,465,710.60	\$30,367,543.90



WARREN COUNTY  
**Asset Value - Buildings**

From Date: 01/01/2007 - To Date: 12/31/2007

Effective Date: 12/31/2007

Asset	Capitalization Date	Original Value	Adjustments	Reporting Period Depreciation	Net Accumulated Depreciation	Book Value
Accounting Category General / Governmental Fixed Asset Subtotal :	138 Assets	\$41,833,254.50	\$0.00	\$838,925.68	\$11,465,710.60	\$30,367,543.90
Reporting Category Capital Subtotal :	138 Assets	\$41,833,254.50	\$0.00	\$838,925.68	\$11,465,710.60	\$30,367,543.90
<b>Grand Total:</b>	138 Assets	\$41,833,254.50	\$0.00	\$838,925.68	\$11,465,710.60	\$30,367,543.90

**WARREN COUNTY**  
**Asset Values - Roads and Bridges**

From Date: 01/01/2007 - To Date: 12/31/2007

Effective Date: 12/31/2007

Asset	Capitalization Date	Original Value	Adjustments	Reporting Period Depreciation	Net Accumulated Depreciation	Book Value
Reporting Category: Capital						
Accounting Category: General / Governmental Fixed Asset						
Classification: K109						
300 Airport Taxiway D & E	10/01/2003	\$677,818.84	\$0.00	\$67,781.88	\$214,642.63	\$463,176.21
301 Burt Murray Bridge	12/31/2004	\$849,406.44	\$0.00	\$21,235.16	\$63,705.48	\$785,700.96
301A Burt Murray Bridge (Schroon River - CR#11)	01/01/2004	\$403,123.88	\$0.00	\$39,472.55	\$39,472.55	\$363,651.33
302 Airfield Lighting	07/01/2005	\$965,198.23	\$0.00	\$48,259.91	\$68,368.21	\$896,830.02
303 Chester Creek Bridge	07/01/2005	\$906,600.00	\$0.00	\$22,665.00	\$54,773.75	\$851,826.25
304 Starbuckle Bridge	07/01/2005	\$2,057,500.00	\$0.00	\$51,437.50	\$124,307.29	\$1,933,192.71
305 Bay Road CR#7	07/01/2005	\$264,514.63	\$0.00	\$13,225.73	\$31,962.18	\$232,552.45
305A Bay Road CR#7	11/30/2006	\$83,443.74	\$0.00	\$4,172.19	\$4,519.87	\$78,923.87
305B Bay Road CR#7	01/01/1988	\$534,013.57	\$0.00	\$531,788.51	\$531,788.51	\$2,225.06
306 Trout Lake Road CR#48	07/01/2005	\$314,655.76	\$0.00	\$15,732.79	\$38,020.91	\$276,634.85
306A Trout Lake Road CR#48	07/01/2006	\$54,336.67	\$0.00	\$2,716.83	\$3,848.84	\$50,487.83
306B Trout Lake Road CR#48	01/01/1992	\$86,124.80	\$0.00	\$68,540.99	\$68,540.99	\$17,583.81
307 Diamond Point Road CR#35	09/30/2006	\$281,659.97	\$0.00	\$14,083.00	\$17,603.75	\$264,056.22
307A Diamond Point Road CR#35	01/01/2004	\$372,231.22	\$0.00	\$72,895.28	\$72,895.28	\$299,335.94
308 13th Lake Road CR#78	01/01/1982	\$1,292,082.19	\$0.00	\$1,292,082.19	\$1,292,082.19	\$0.00
309 Adirondack Road CR#15	01/01/2003	\$305,337.55	\$0.00	\$75,062.15	\$75,062.15	\$230,275.40
309A East Shore Drive CR#15	01/01/2004	\$103,893.59	\$0.00	\$20,345.83	\$20,345.83	\$83,547.76
310 Atateka Drive CR#46 & 74	01/01/1998	\$337,204.40	\$0.00	\$167,197.18	\$167,197.18	\$170,007.22
310A Atateka Drive CR#74	01/01/1989	\$177.90	\$0.00	\$168.26	\$168.26	\$9.64
311 Athol Road CR#4	01/01/1997	\$499,187.46	\$0.00	\$272,473.15	\$272,473.15	\$226,714.31
311A Mountain Road CR#4	01/01/1999	\$143,649.92	\$0.00	\$64,043.93	\$64,043.93	\$79,605.99
312 River Bank Road CR#11	01/01/2003	\$1,180,353.55	\$0.00	\$290,170.25	\$290,170.25	\$890,183.30
312A Horicon Avenue CR#11	01/01/1988	\$67,445.18	\$0.00	\$67,164.16	\$67,164.16	\$281.02
312B Schroon River Road CR#11	01/01/2005	\$337,185.05	\$0.00	\$49,172.82	\$49,172.82	\$288,012.23
312C Valley Wood Road CR#11	01/01/1997	\$472,146.70	\$0.00	\$257,713.41	\$257,713.41	\$214,433.29
312D Valley Wood Road CR#11	12/01/2007	\$294,609.58	\$0.00	\$0.00	\$0.00	\$294,609.58
313 Call Street CR#32	01/01/1992	\$975,405.47	\$0.00	\$776,260.18	\$776,260.18	\$199,145.29
313A Corinth Road CR#32	01/01/1993	\$1,182,036.65	\$0.00	\$881,602.33	\$881,602.33	\$300,434.32
314 Coolidge Hill Road CR#49	01/01/2001	\$549,664.31	\$0.00	\$190,092.25	\$190,092.25	\$359,572.06
315 Corinth Road CR#28	01/01/1982	\$260,536.16	\$0.00	\$260,536.16	\$260,536.16	\$0.00
316 Dartmouth Road CR#76	01/01/1998	\$548,523.59	\$0.00	\$271,976.28	\$271,976.28	\$276,547.31

**WARREN COUNTY**  
**Asset Values - Roads and Bridges**

From Date: 01/01/2007 - To Date: 12/31/2007

Effective Date: 12/31/2007

Asset	Capitalization Date	Original Value	Adjustments	Reporting Period Depreciation	Net Accumulated Depreciation	Book Value
317 East River Drive CR#16	01/01/2002	\$407,399.41	\$0.00	\$120,522.32	\$120,522.32	\$286,877.09
318 East Schroon River Road CR#64	01/01/1994	\$542,641.06	\$0.00	\$377,587.73	\$377,587.73	\$165,053.33
319 Friends Lake Road CR#8	01/01/1997	\$590,763.96	\$0.00	\$322,458.66	\$322,458.66	\$268,305.30
320 Garnet Lake Road CR#72	01/01/2000	\$280,588.10	\$0.00	\$111,066.12	\$111,066.12	\$169,521.98
320A Garnet Lake Road - Thurm-Jsbg CR#72	01/01/1986	\$289,755.37	\$0.00	\$289,755.37	\$289,755.37	\$0.00
321 Glen Athol Road CR#13	01/01/2002	\$728,752.99	\$0.00	\$215,589.43	\$215,589.43	\$513,163.56
322 Hadley Road CR#12	01/01/1985	\$261,768.50	\$0.00	\$261,768.50	\$261,768.50	\$0.00
323 Harrisburg Road CR#22	01/01/2003	\$645,767.59	\$0.00	\$158,751.20	\$158,751.20	\$487,016.39
323A Harrisburg Lake Road CR#22	01/01/2004	\$82,158.26	\$0.00	\$16,089.32	\$16,089.32	\$66,068.94
324 Landon Hill Road CR#68	01/01/2005	\$360,096.48	\$0.00	\$52,514.07	\$52,514.07	\$307,582.41
325 North Bolton Road CR#41	01/01/2000	\$254,832.88	\$0.00	\$100,871.34	\$100,871.34	\$153,961.54
326 Old Stage Road CR#60	01/01/2003	\$305,918.54	\$0.00	\$75,204.98	\$75,204.98	\$230,713.56
326A Viele Pond Road CR#60	01/01/1986	\$103,522.98	\$0.00	\$103,522.98	\$103,522.98	\$0.00
326B Harrington Hill Road CR#60	01/01/2003	\$201,098.83	\$0.00	\$49,436.79	\$49,436.79	\$151,662.04
327 Olmstedville Road CR#19	01/01/1993	\$991,523.01	\$0.00	\$739,510.91	\$739,510.91	\$252,012.10
328 Palisades Road CR#26	01/01/1999	\$663,051.21	\$0.00	\$295,610.33	\$295,610.33	\$367,440.88
329 Peaceful Valley Road CR#29	01/01/1993	\$527,157.51	\$0.00	\$393,171.65	\$393,171.65	\$133,985.86
329A North Creek-Sodom Road CR#29	01/01/1981	\$82,970.15	\$0.00	\$82,970.15	\$82,970.15	\$0.00
329B South Johnsbury Road CR#29	01/01/1983	\$3,029.85	\$0.00	\$3,029.85	\$3,029.85	\$0.00
330 Potter Brook Road CR#46	01/01/1999	\$296,904.70	\$0.00	\$132,370.01	\$132,370.01	\$164,534.69
331 Quaker Road CR#47 & 70	01/01/1990	\$1,128,129.49	\$0.00	\$1,010,616.00	\$1,010,616.00	\$117,513.49
331A Quaker Road CR#70	01/01/1989	\$3,261,997.00	\$0.00	\$3,085,305.50	\$3,085,305.50	\$176,691.50
332 Queensbury Ave CR#52	01/01/2003	\$2,711,912.41	\$0.00	\$666,678.47	\$666,678.47	\$2,045,233.94
332A County Line Road CR#52	01/01/1989	\$48,358.76	\$0.00	\$45,739.33	\$45,739.33	\$2,619.43
333B Hicks Road CR#52	01/01/1999	\$74,466.64	\$0.00	\$33,199.71	\$33,199.71	\$41,266.93
335 So. Johnsbury Road CR#57	01/01/1995	\$1,002,537.34	\$0.00	\$647,472.03	\$647,472.03	\$355,065.31
336 Valentine Pond Road CR#55	01/01/1988	\$725,872.91	\$0.00	\$722,848.44	\$722,848.44	\$3,024.47
337 Valley Road CR#36	01/01/2005	\$360,011.33	\$0.00	\$52,501.66	\$52,501.66	\$307,509.67
337A Patterson Creek Valley CR#36	01/01/1980	\$42,534.26	\$0.00	\$42,534.26	\$42,534.26	\$0.00
338 Warrensburg Road CR#3	01/01/2003	\$478,065.93	\$0.00	\$117,524.54	\$117,524.54	\$360,541.39
338A Stony Creek-Thur Town Line CR#3	01/01/1980	\$2,238.07	\$0.00	\$2,238.07	\$2,238.07	\$0.00
339 West Hague Road CR#21	01/01/1984	\$780,365.62	\$0.00	\$780,365.62	\$780,365.62	\$0.00
340 West Mtn Road CR#58	01/01/1988	\$454,738.35	\$0.00	\$452,843.61	\$452,843.61	\$1,894.74
341 Schroon River Road CR#30	01/01/2000	\$253,360.56	\$0.00	\$100,288.56	\$100,288.56	\$153,072.00
342 Schroon River Bridge (CR#48)	01/01/2000	\$589,351.13	\$0.00	\$116,642.41	\$116,642.41	\$472,708.72

WARREN COUNTY  
**Asset Values - Roads and Bridges**

From Date: 01/01/2007 - To Date: 12/31/2007

Effective Date: 12/31/2007

Asset	Capitalization Date	Original Value	Adjustments	Reporting Period Depreciation	Net Accumulated Depreciation	Book Value
343 Schroon Lk Out Bridge (CR#62)	01/01/1983	\$465,502.26	\$0.00	\$289,969.12	\$289,969.12	\$175,533.14
344 Schroon River Bridge (CR#14)	01/01/1996	\$294,396.38	\$0.00	\$87,705.59	\$87,705.59	\$206,690.79
345 Padanarum Rd Bridge/NW Bay Brook (TR#23)	12/03/2007	\$714,930.81	\$0.00	\$0.00	\$0.00	\$714,930.81
Classification K109 Subtotal:	69 Assets	\$37,408,537.63	\$0.00	\$18,066,342.48	\$18,426,785.40	\$18,981,752.23
Accounting Category General / Governmental Fixed Asset Subtotal :	69 Assets	\$37,408,537.63	\$0.00	\$18,066,342.48	\$18,426,785.40	\$18,981,752.23
Reporting Category Capital Subtotal :	69 Assets	\$37,408,537.63	\$0.00	\$18,066,342.48	\$18,426,785.40	\$18,981,752.23
<b>Grand Total:</b>	69 Assets	\$37,408,537.63	\$0.00	\$18,066,342.48	\$18,426,785.40	\$18,981,752.23

Worksheet # 1: Progress Report

Progress Report Period: \_\_\_\_\_ (date) to \_\_\_\_\_ (date)

Project Title: \_\_\_\_\_ Project ID#: \_\_\_\_\_

Responsible Agency: \_\_\_\_\_

Address: \_\_\_\_\_

City/County: \_\_\_\_\_

Contact Person: \_\_\_\_\_ Title: \_\_\_\_\_

Phone #(s): \_\_\_\_\_ e-mail address: \_\_\_\_\_

List Supporting Agencies and Contacts: \_\_\_\_\_

\_\_\_\_\_

Total Project Cost: \$ \_\_\_\_\_ Anticipated Cost Overrun/Underrun: \_\_\_\_\_

Date of Project Approval: \_\_\_\_\_ Start date of the project: \_\_\_\_\_

Anticipated completion date: \_\_\_\_\_

Description of the Project (include a description of each phase, if applicable, and the time frame for completing each phase).

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Milestones	Complete	Projected Date of Completion

**Plan Goal(s)/Objective(s) Addressed:**

Goal: \_\_\_\_\_

Objective: \_\_\_\_\_

**Indicator of Success** (e.g., losses avoided as a result of the acquisition program):

*In most cases, you will list losses avoided as the indicator. In cases where it is difficult to quantify the benefits in dollar amounts, you will use other indicators, such as the number of people who now know about mitigation or who are taking mitigation actions to reduce their vulnerability to hazards.*

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Status** (Please check pertinent information and provide explanations for items with an asterisk. For completed or canceled projects, see Worksheet #2 — to complete a project evaluation):

Project Status

(1)  Project on schedule

(2)  Project completed

(3)  Project delayed\*  
 \*explain: \_\_\_\_\_  
 \_\_\_\_\_

(4)  Project canceled

Project Cost Status

(1)  Cost unchanged

(2)  Cost overrun\*  
 \*explain: \_\_\_\_\_  
 \_\_\_\_\_

(3)  Cost underrun\*  
 \*explain: \_\_\_\_\_  
 \_\_\_\_\_

**Summary of progress on project for this report:**

A. What was accomplished during this reporting period?

B. What obstacles, problems, or delays did you encounter, if any?

C. How was each problem resolved?

**Next Steps:** What is/are the next step(s) to be accomplished over the next reporting period?

**Other comments:**

## Worksheet #2: Evaluating Your Planning Team

*When gearing up for the plan evaluation, the planning team should reassess its composition and ask the following questions:*

	YES	NO
Have there been local staffing changes that would warrant inviting different members to the planning team? <b>Comments/Proposed Action:</b>	<input type="checkbox"/>	<input type="checkbox"/>
Are there organizations that have been invaluable to the planning process or to project implementation that should be represented on the planning team? <b>Comments/Proposed Action:</b>	<input type="checkbox"/>	<input type="checkbox"/>
Are there any representatives of essential organizations who have not fully participated in the planning and implementation of actions? If so, can someone else from this organization commit to the planning team? <b>Comments/Proposed Action:</b>	<input type="checkbox"/>	<input type="checkbox"/>
Are there procedures (e.g., signing of MOAs, commenting on submitted progress reports, distributing meeting minutes, etc.) that can be done more efficiently? <b>Comments/Proposed Action:</b>	<input type="checkbox"/>	<input type="checkbox"/>
Are there ways to gain more diverse and widespread cooperation? <b>Comments/Proposed Action:</b>	<input type="checkbox"/>	<input type="checkbox"/>
Are there different or additional resources (financial, technical, and human) that are now available for mitigation planning? <b>Comments/Proposed Action:</b>	<input type="checkbox"/>	<input type="checkbox"/>

If the planning team determines the answer to any of these questions is “yes,” some changes may be necessary.



Worksheet #3: Evaluate Your Project Results

Project Name and Number:  
 Project Budget:  
 Project Description:  
 Associated Goal and Objective (s):  
 Indicator of Success (e.g., losses avoided):

*Insert location map*

*include before and after photos if appropriate*

**Was the action implemented?**

IF YES



What were the results of the implemented action?

IF NO



**Why not?**

Was there political support for the action?	YES	NO
Were enough funds available?	YES	NO
Were workloads equitably or realistically distributed?	YES	NO
Was new information discovered about the risks or community that made implementation difficult or no longer sensible?	YES	NO
Was the estimated time of implementation reasonable?	YES	NO
Were sufficient resources (for example staff and technical assistance) available?	YES	NO



**Were the outcomes as expected?  
If No, please explain:**

**YES NO**

**Additional comments or other outcomes:**

**Did the results achieve the goal and objective (s)?  
Explain how:**

**YES NO**

**Was the action cost-effective?  
Explain how or how not:**

**YES NO**

**What were the losses avoided after having completed the project?**

**If it was a structural project, how did it change the hazard profile?**

Date \_\_\_\_\_

Prepared by: \_\_\_\_\_

Worksheet #4: Revisit Your Risk Assessment

Risk Assessment Steps	Questions	YES	NO	COMMENTS
<b>Identify hazards</b>	Are there new hazards that can affect your community?			
<b>Profile hazard events</b>	Are new historical records available?			
	Are additional maps or new hazard studies available?			
	Have chances of future events (along with their magnitude, extent, etc.) changed?			
	Have recent and future development in the community been checked for their effect on hazard areas?			
<b>Inventory assets</b>	Have inventories of existing structures in hazard areas been updated?			
	Are future developments foreseen and accounted for in the inventories?			
	Are there any new special high-risk populations?			
<b>Estimate losses</b>	Have loss estimates been updated to account for recent changes?			

If you answered “Yes” to any of the above questions, review your data and update your risk assessment information accordingly.

Worksheet #5: Revise the Plan

Prepare to update the plan.

When preparing to update the plan:

Check the box when addressed ✓

1. Gather information, including project evaluation worksheets, progress reports, studies, related plans, etc.

Comments:

2. Reconvene the planning team, making changes to the team composition as necessary (see results from Worksheet #2).

Comments:

Consider the results of the evaluation and new strategies for the future.

When examining the community consider:

Check the box when addressed ✓

1. The results of the planning and outreach efforts.

Comments:

2. The results of the mitigation efforts.

Comments:

3. Shifts in development trends.

Comments:

4. Areas affected by recent disasters.

Comments:

5. The recent magnitude, location, and type of the most recent hazard or disaster.

Comments:

6. New studies or technologies.

Comments:

7. Changes in local, state, or federal laws, policies, plans, priorities, or funding.

Comments:

\_\_\_\_\_

8. Changes in the socioeconomic fabric of the community.

**Comments:**

9. Other changing conditions.

**Comments:**

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**Incorporate your findings into the plan.**

**When examining the plan:**

**Check the box when addressed ✓**

1. Revisit the risk assessment.

**Comments:**

2. Update your goals and strategies.

**Comments:**

3. Recalculate benefit-cost analyses of projects to prioritize action items.

**Comments:**

**Use the following criteria to evaluate the plan:**

**Criteria**

**YES NO Solution**

- Are the goals still applicable?
- Have any changes in the state or community made the goals obsolete or irrelevant?
- Do existing actions need to be reprioritized for implementation?
- Do the plan's priorities correspond with state priorities?
- Can actions be implemented with available resources?

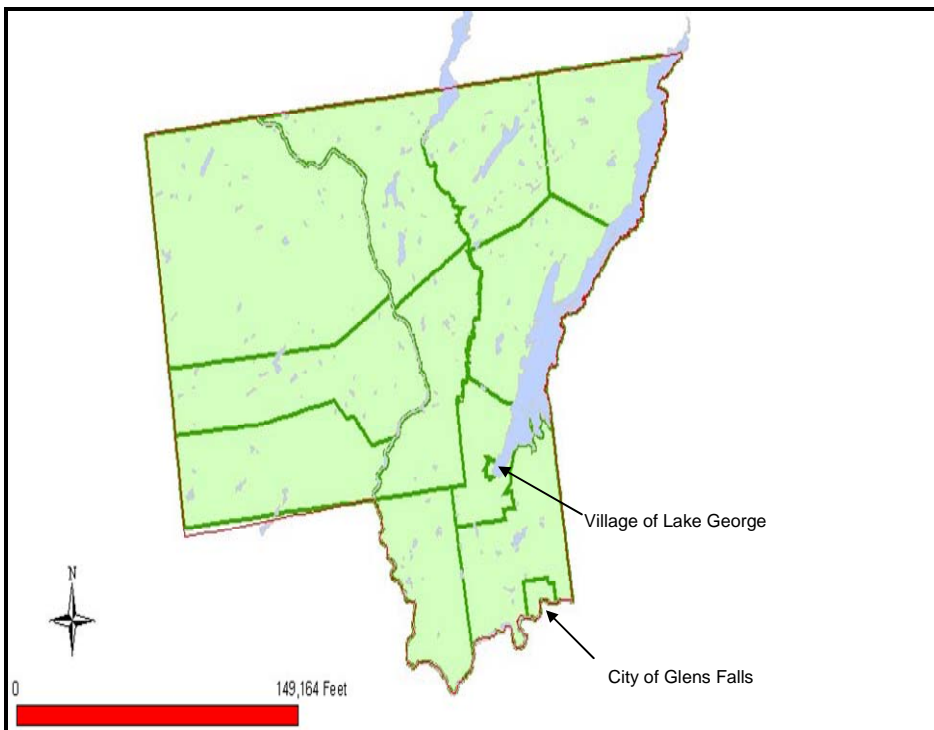
	YES	NO	Solution
Are the goals still applicable?			
Have any changes in the state or community made the goals obsolete or irrelevant?			
Do existing actions need to be reprioritized for implementation?			
Do the plan's priorities correspond with state priorities?			
Can actions be implemented with available resources?			

**Comments:**

### Jurisdictional Statistics

This section presents details of each jurisdiction in Warren County. Included will be a brief description of the jurisdiction, maps demonstrating hazards/vulnerability, land management plans available, notable “jurisdiction specific” natural hazards, and a specific mitigation action each jurisdiction desires to undertake in the future. Proposed mitigation actions in the following section have the support of all the jurisdictions. This is demonstrated in the approval of the Plan by each jurisdiction as well as by the form of government followed in Warren County that includes all Town Supervisors as established members of the County Board of Supervisors. All municipal activities will begin under the direction of the executive, i.e. town supervisor, mayor. Mitigation projects were evaluated based on the costs, timeframe for implementation and ease of implementation. The time frames are based on the categories of *immediate*, *short-term*, and *long term*. *Immediate* is within 6 months, *short-term* is within 1 year and *long term* is within 3 years. Priorities were determined by considering cost, staffing availability, and benefit to the jurisdiction, with *high* indicating a low cost, broad impact action, *medium* indicating a future project with potential funds available and *low* priority indicating a long term endeavor, with an alternate funding source necessary. A chart demonstrating the number of vulnerable persons and residences in each jurisdiction is found in Section I (page 51 and 52) A list of countywide assets is located in Appendix I.

Warren County Towns, Village of Lake George, City of Glens Falls



## Bolton

Population: 2,117

Population density: 33.4 people/sq.mile

Area: 90.1 sq. miles

Land: 63.4 sq.miles, Water: 26.7 sq.miles

Median Income: \$35,268

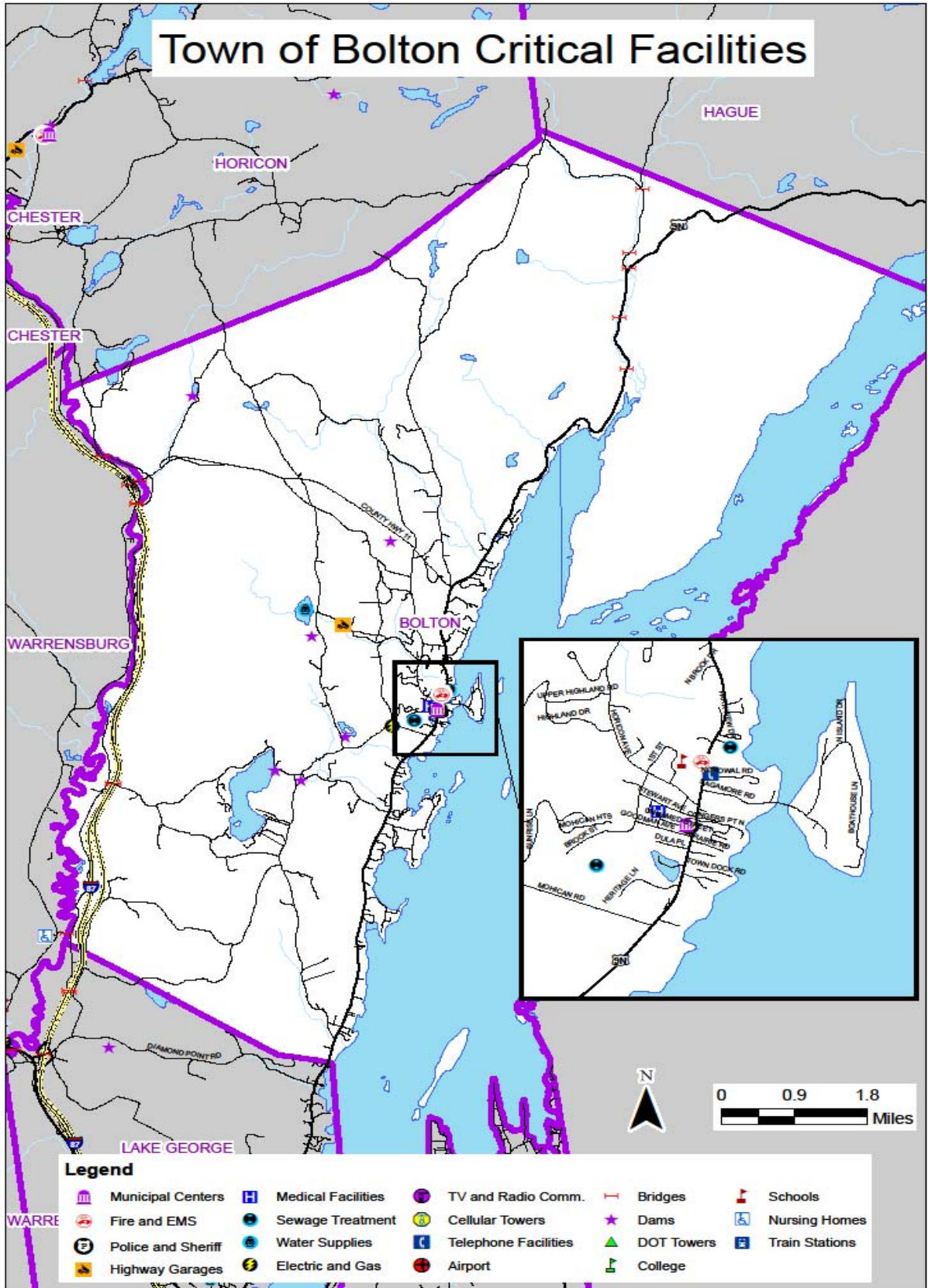
Below poverty level: 5.6 %



Located in the Adirondack Park, the town of Bolton is bordered by Lake George to the east. The hamlet of Riverbank is within the town as is Cat Mountain.

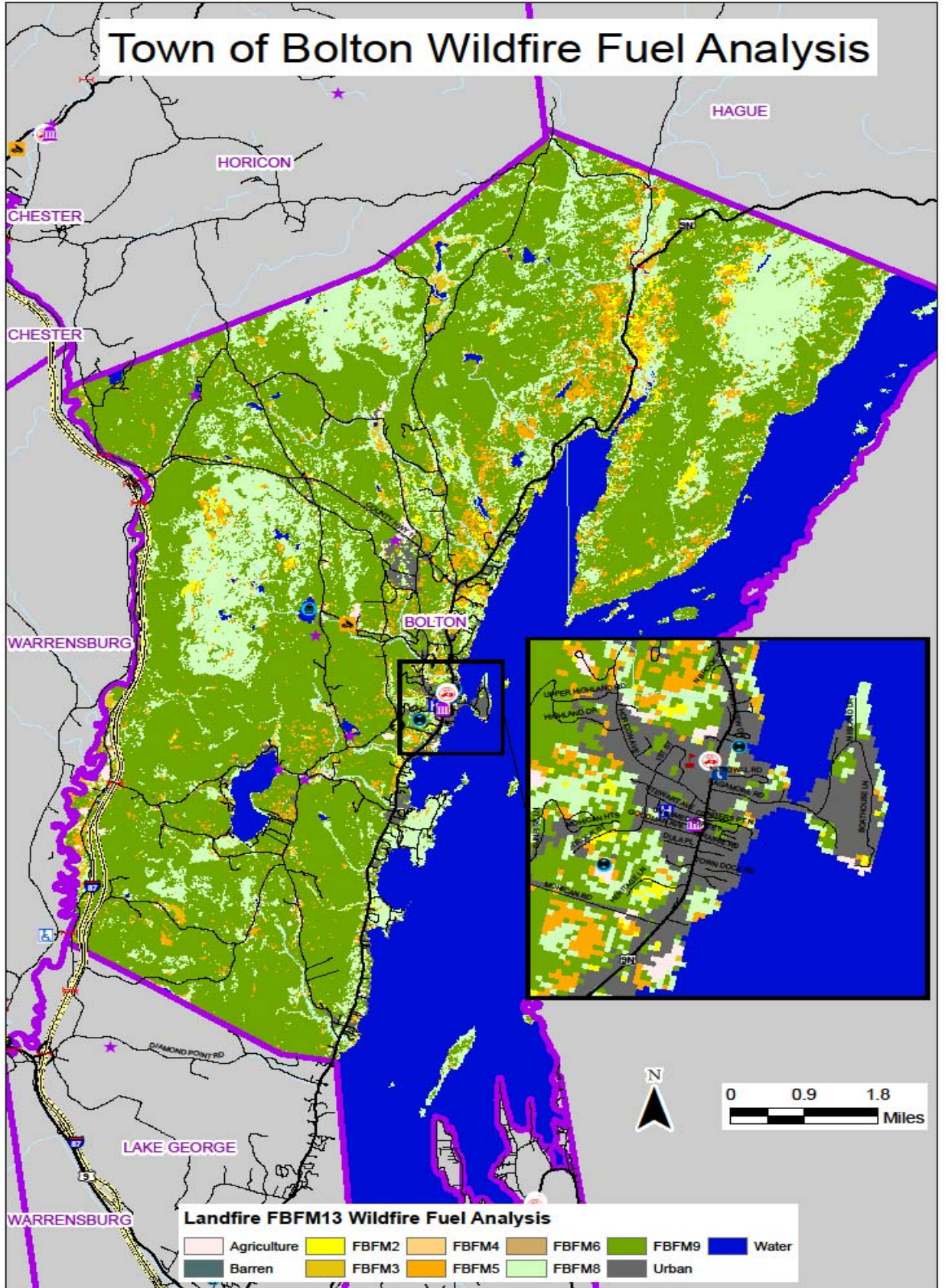
Specific Mitigation Action:

Hazard/Risk	Objective	Strategy	Estimate	Lead Agency	Date	Priority
Reduce impact of <b>floodings</b>	Eliminate erosion of area around the bridge, washouts	Replace Middleton Bridge	\$1.7 million	Town executive, county/local DPW,	Fall 2012 LT	L

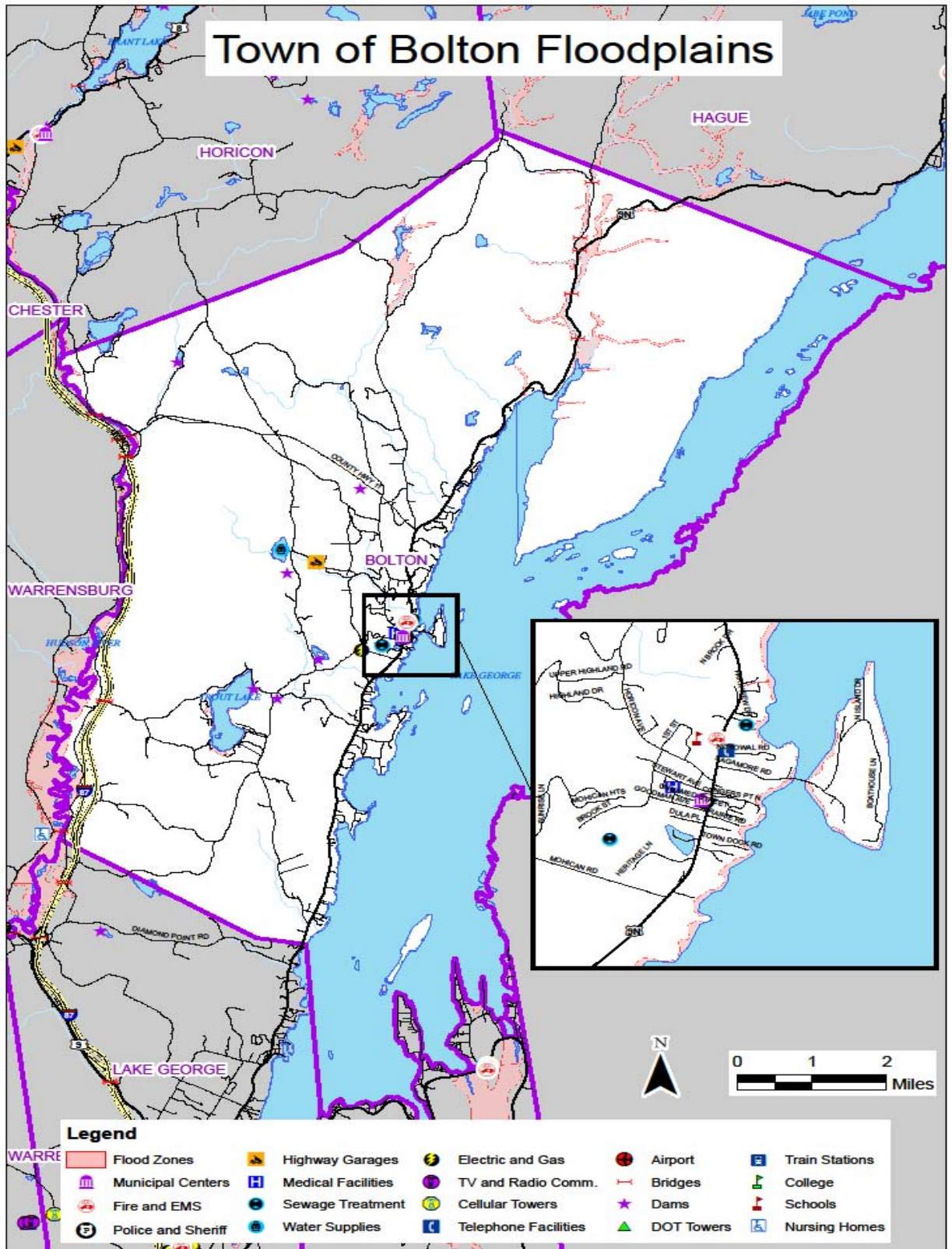




# Town of Bolton Wildfire Fuel Analysis







**TOWN OF BOLTON FLOOD INVENTORY WORKSHEET**

Type of structure (occupancy class)	Number of Properties			Value of Properties		
	# in community	# in hazard area	% in hazard area	\$\$ in community	\$\$ in hazard area	% in hazard area
100	-	0	0%	\$ -	\$ -	0%
200	2,176	495	23%	\$337,155,700	\$ 99,048,000	29%
300	67	21	31%	\$1,311,500	\$ 421,400	32%
400	102	30	29%	\$41,289,000	\$ 25,364,900	61%
500	18	13	72%	\$11,606,200	\$ 8,133,000	70%
600	24	3	13%	\$13,201,100	\$ 1,144,400	9%
700	1	0	0%	\$5,800		0%
800	5	0	0%	\$4,045,656		0%
900	6	2	33%	\$655,300	\$ 418,000	64%
<b>Total</b>	<b>2399</b>	<b>564</b>	<b>24%</b>	<b>\$ 409,270,256</b>	<b>\$ 134,529,700</b>	<b>33%</b>

Property Type Classification Code (Source – NYS Office of Real Property)

Flood losses estimated at 50% of structures incurring 30% damage \$ 20,179,455

100 Agricultural – Property used for the production of crops or livestock	600 Community – Property used for the well being of the community
200 Residential – Property used for human habitation	700 Industrial – Property used for the production/fabrication of durable/nondurable manmade goods
300 Vacant – Property not in use, in temporary use, or lacks permanent improvement	800 Public – Property used to provide services to the general public
400 Commercial – Property used for the sale of goods and/or services	900 Wild, Conservation Lands, Public Parks – Reforested lands, preserves, private hunting/fishing clubs
500 Recreation – Property used by groups for recreation/amusement/entertainment	

**Value of Critical facilities at risk of Wildfire based upon proximity to heavily forested lands (< 100' separation)**

OWNER	PRP_CLS_CO	LAND_AV	TOTAL_AV	building value(val.)	val. x eq. rate	1% of val.	5% of val.	10% of val.
NIAGARA MOHAWK POWER CORP	872	\$128,200	\$788,856	\$660,656	\$891,886	\$6,607	\$33,033	\$66,066
TOWN OF BOLTON SEWER DISTRICT	853	\$58,900	\$1,469,900	\$1,411,000	\$1,904,850	\$14,110	\$70,550	\$141,100

## Chester

Population: 3,614

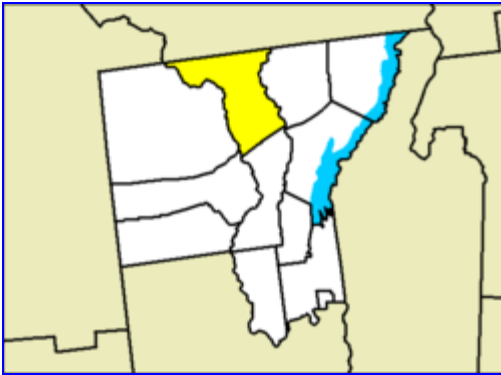
Population density: 42.8 people/sq.mile

Area: 87.1 sq. miles

Land: 84.5 sq.miles, Water: 2.6 sq.miles

Median Income: \$42,473

Below poverty level: 12.5 %

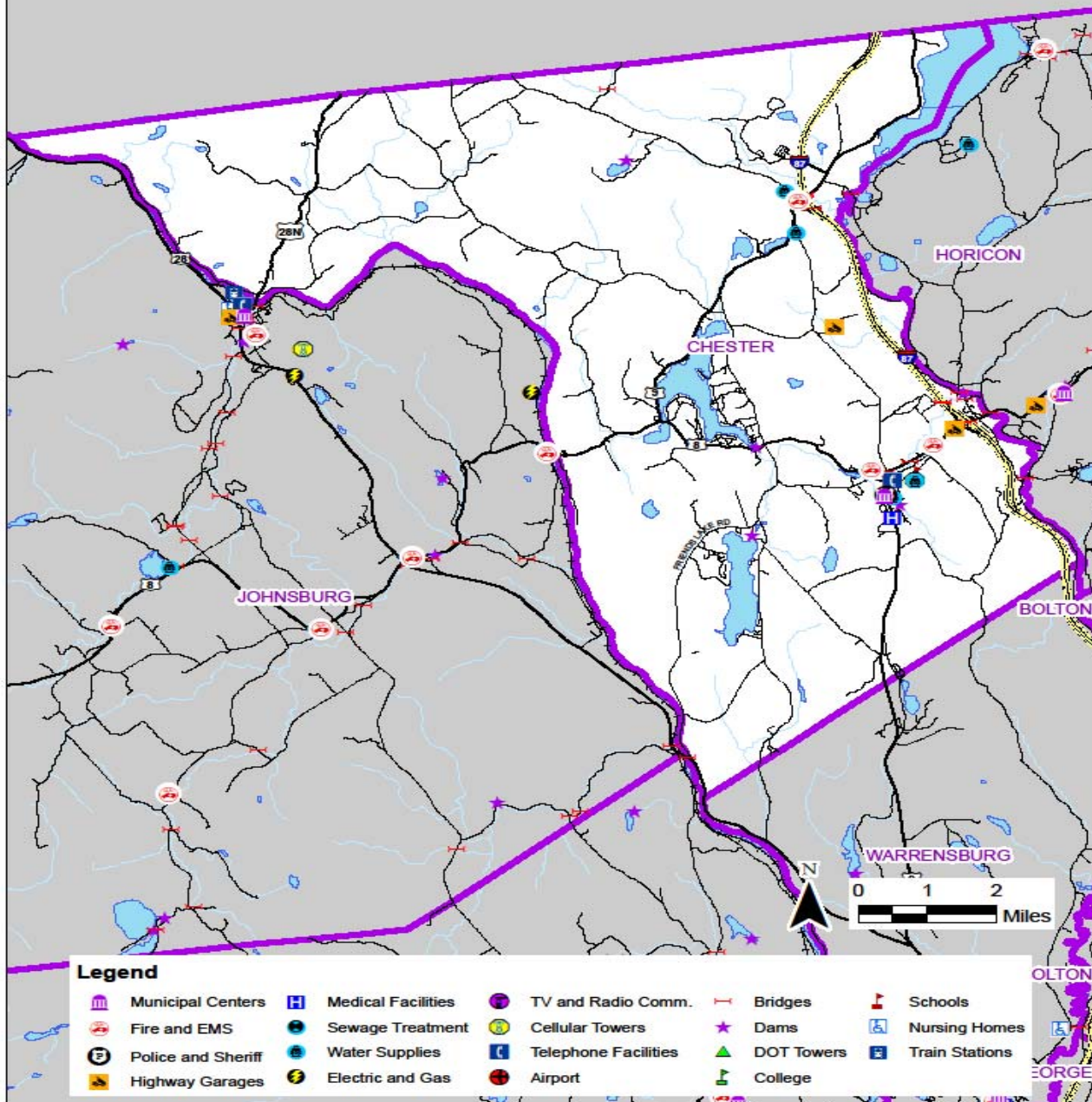


The Town of Chester is in northern Warren County, bordering Essex County. Friends Lake, Loon Lake and part of Schroon Lake are within the town. Chester is located in the Adirondack Park.

### Specific Mitigation Action:

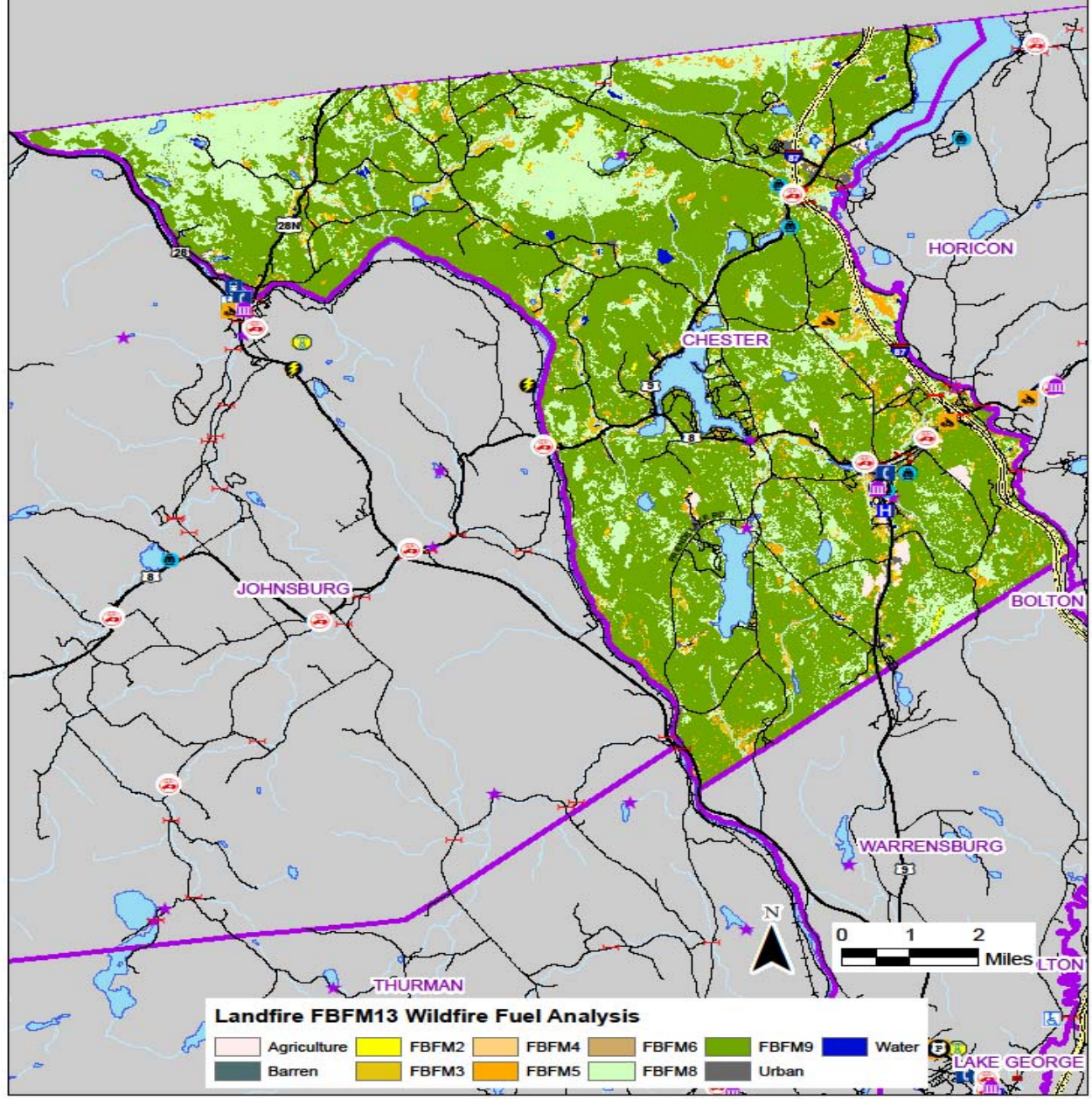
Hazard/Risk	Objective	Strategy	Estimate	Lead Agency	Date	Priority
Reduce impact of <b>flooding, infestation</b>	Eliminate road washout due to spring run-off and beaver activity	Wood Wells Road, replace existing 3" culvert pipe with 5" and raise road several feet	\$6,700	Town executive, county/local DPW,	Fall 2012 ST	M

# Town of Chester Critical Facilities

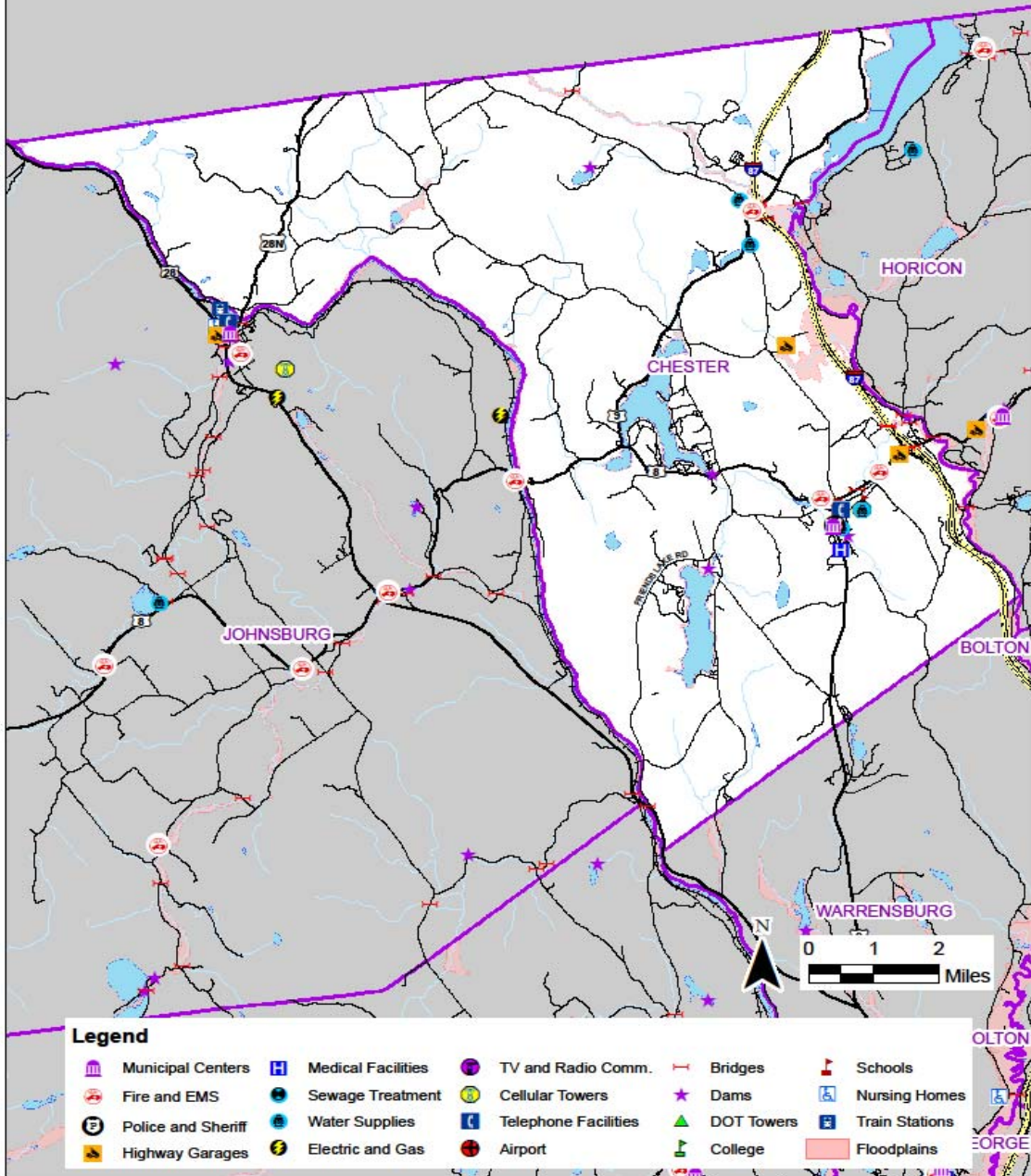




# Town of Chester Wildfire Fuel Analysis



# Town of Chester Floodplains



**TOWN OF CHESTER FLOOD INVENTORY WORKSHEET**

Type of structure (occupancy class)	Number of Properties			Value of Properties		
	# in community	# in hazard area	% in hazard area	Value in community	Value in hazard area	% in hazard area
100	2	0	0%	\$1,211,600		0%
200	2,281	656	29%	\$316,969,200	\$ 95,118,200	30.01%
300	162	28	17%	\$2,155,800	\$ 214,800	9.96%
400	102	9	9%	\$21,546,000	\$ 3,345,600	15.53%
500	16	7	44%	\$5,602,900	\$ 3,185,400	56.85%
600	30	5	17%	\$39,792,600	\$ 8,225,000	20.67%
700	2	0	0%	\$470,900		0%
800	6	1	17%	\$402,000	\$ 3,000	
900	20	4	20%	\$757,100	\$ 92,700	12.24%
<b>Total</b>	<b>2619</b>	<b>710</b>	<b>27%</b>	<b>\$388,908,100</b>	<b>\$ 110,184,700</b>	<b>28%</b>

Flood losses estimated at 50% of structures incurring 30% damage

\$16,527,705

Property Type Classification Code (Source – NYS Office of Real Property)

100 Agricultural – Property used for the production of crops or livestock	600 Community – Property used for the well being of the community
200 Residential – Property used for human habitation	700 Industrial – Property used for the production/fabrication of durable/nondurable manmade goods
300 Vacant – Property not in use, in temporary use, or lacks permanent improvement	800 Public – Property used to provide services to the general public
400 Commercial – Property used for the sale of goods and/or services	900 Wild, Conservation Lands, Public Parks – Reforested lands, preserves, private hunting/fishing clubs
500 Recreation – Property used by groups for recreation/amusement/entertainment	

**Value of Critical facilities at risk of Wildfire based upon proximity to heavily forested lands (< 100' separation)**

OWNER	PRP_CLS_CO	LAND_AV	TOTAL_AV	building value(val.)	val. x eq. rate	.01 of val.	5% of val.	10% of val.
PEREAU, LAUREN	911	\$109,800	\$109,800	\$109,800	\$109,800	\$1,098	\$5,490	\$10,980
TOWN OF CHESTER	822	\$32,400	\$32,400	\$32,400	\$32,400	\$324	\$1,620	\$3,240
TOWN OF CHESTER	822	\$73,400	\$206,300	\$132,900	\$132,900	\$1,329	\$6,645	\$13,290
TOWN OF CHESTER	822	\$21,000	\$186,500	\$165,500	\$165,500	\$1,655	\$8,275	\$16,550



## Hague

Population: 854

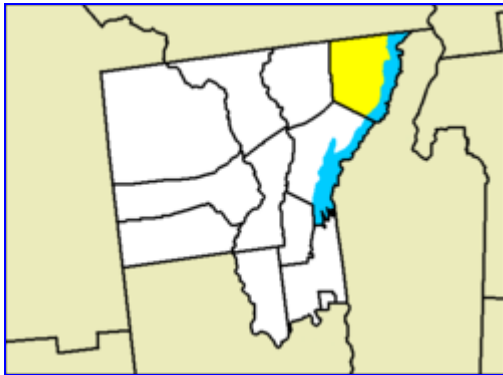
Population density: 13.3 people/sq.mile

Area: 79.6 sq. miles

Land: 64.0 sq.miles, Water: 15.6 sq.miles

Median Income: \$39,375

Below poverty level: 7.5 %

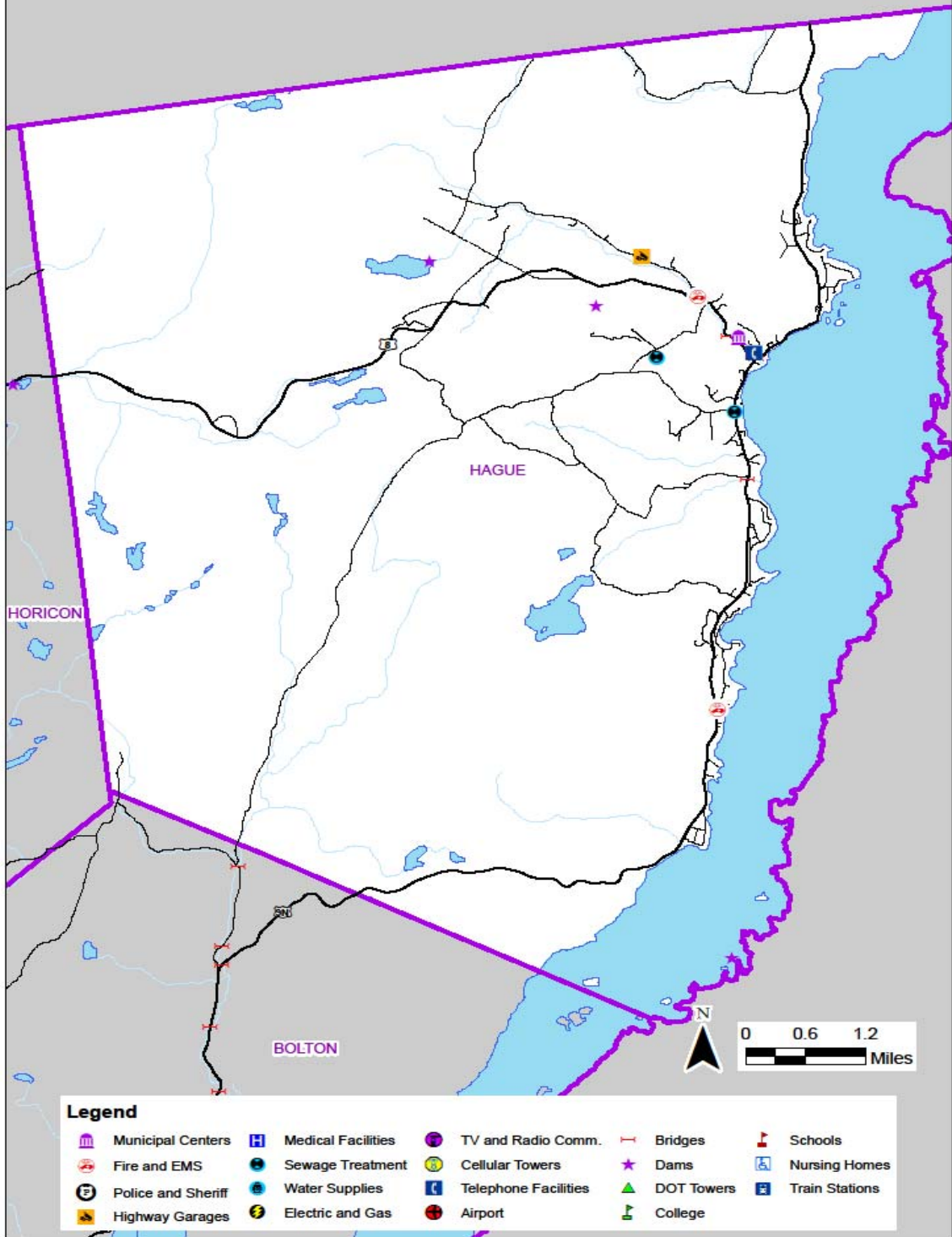


The town of Hague is in northern Warren County. Lake George forms the eastern border and the northern border is Essex County. Hague is within the borders of the Adirondack Park.

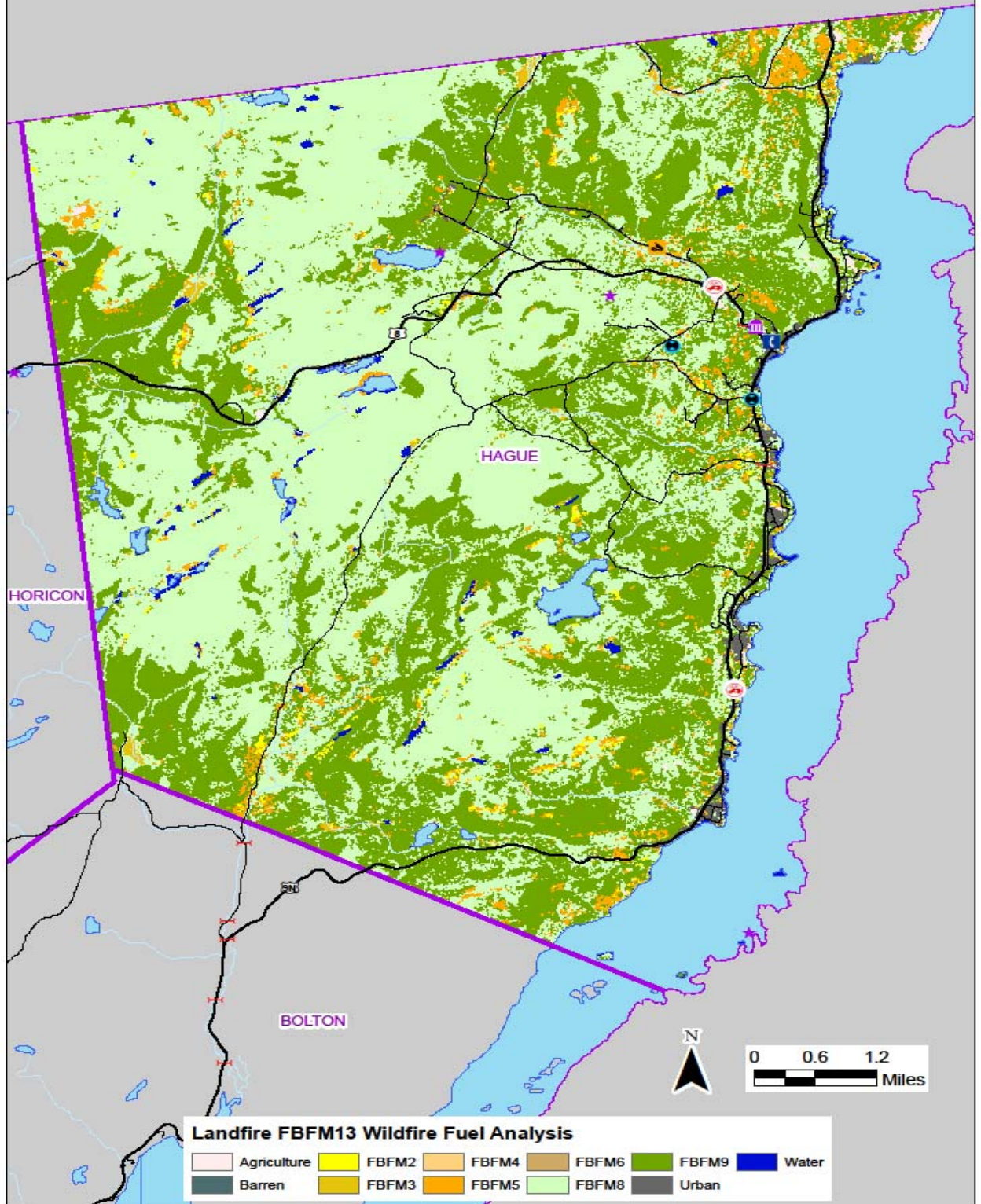
Specific Mitigation Action:

Hazard/Risk	Objective	Strategy	Estimate	Lead Agency	Date	Priority
Reduce impact of <b>flooding</b>	Eliminate road washout due to spring run-off	Replace with larger culverts, headers, and in some cases sedimentation ponds (Mitigation Response Section III) 8 roads; Silver Bay , Battle Hill, Decker Hill, Mountain View, McCoy, Yaw, Forest Bay(North&South)	\$69,800	Town executive, county/local DPW,	Fall 2012 ST	M

# Town of Hague Critical Facilities

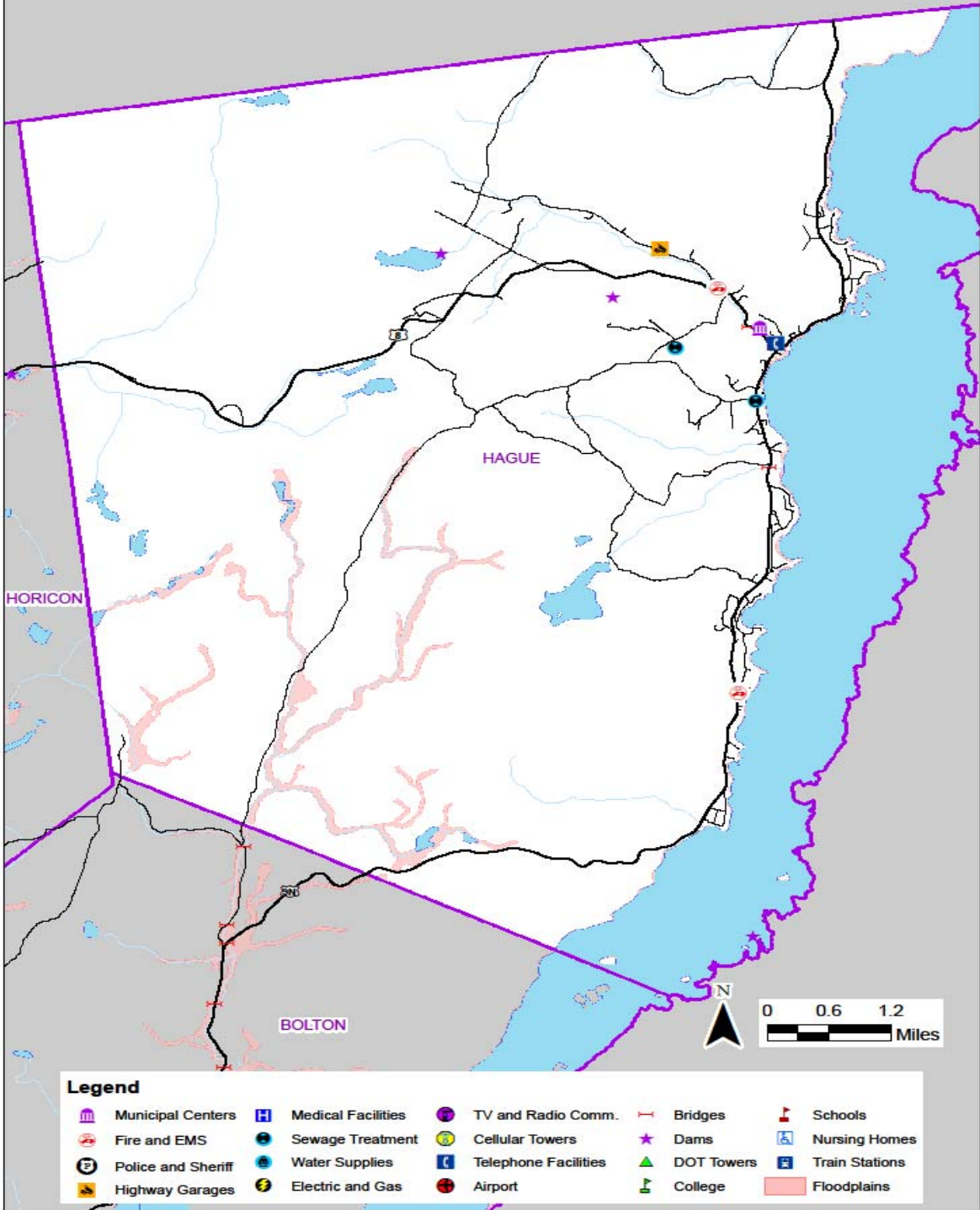


# Town of Hague Wildfire Fuel Analysis





# Town of Hague Floodplains



**TOWN OF HAGUE FLOOD INVENTORY WORKSHEET**

Type of structure (occupancy class)	Number of Properties			Value of Properties		
	# in community	# in hazard area	% in hazard area	\$\$ in community	\$\$ in hazard area	% in hazard area
100	-	0	0%	\$0		0%
200	930	347	37%	\$116,413,587	<b>\$58,691,687</b>	50.42%
300	78	28	36%	\$1,658,490	<b>\$ 512,800</b>	31%
400	28	15	54%	\$6,029,000	<b>\$ 3,017,800</b>	50.05%
500	12	8	67%	\$2,133,500	<b>\$ 1,680,800</b>	78.78%
600	22	15	68%	\$10,747,585	<b>\$ 7,259,900</b>	68%
700	-	0	0	\$0		0
800	7	1	14%	\$360,500	<b>\$ 7,200</b>	
900	14	1	7%	\$316,300	<b>\$ 38,300</b>	12%
<b>Total</b>	<b>1091</b>	<b>415</b>	<b>38%</b>	<b>\$137,658,962</b>	<b>\$71,208,487</b>	<b>52%</b>

Flood losses estimated at 50% of structures incurring 30% damage

\$10,681,273

Property Type Classification Code (Source – NYS Office of Real Property)

100 Agricultural – Property used for the production of crops or livestock	600 Community – Property used for the well being of the community
200 Residential – Property used for human habitation	700 Industrial – Property used for the production/fabrication of durable/nondurable manmade goods
300 Vacant – Property not in use, in temporary use, or lacks permanent improvement	800 Public – Property used to provide services to the general public
400 Commercial – Property used for the sale of goods and/or services	900 Wild, Conservation Lands, Public Parks – Reforested lands, preserves, private hunting/fishing clubs
500 Recreation – Property used by groups for recreation/amusement/entertainment	

**Value of Critical facilities at risk of Wildfire based upon proximity to heavily forested lands (< 100’ separation)**

OWNER	PRP_CLS	LAND_AV	TOTAL_AV	building value(val.)	val. x eq. rate	.01 of val.	5% of val.	10% of val.
HAGUE VOLUNTEER FIRE DEPT INC	662	\$31,400	\$819,800	\$788,400	\$1,002,845	\$7,884	\$39,420	\$78,840
TOWN OF HAGUE	853	\$49,700	\$49,700	\$49,700	\$63,218	\$497	\$2,485	\$4,970

## Horicon

Population: 1,479

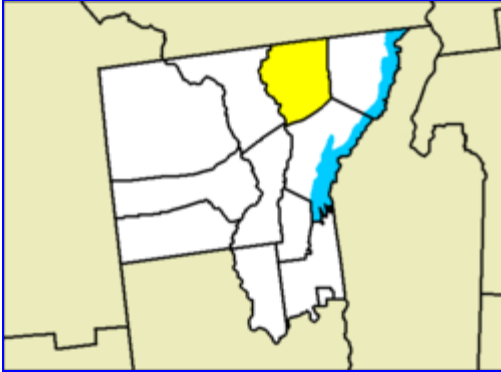
Population density: 22.4 people/sq.mile

Area: 71.8 sq. miles

Land: 66.1 sq.miles, Water: 5.7 sq.miles

Median Income: \$36,481

Below poverty level: 9.7 %



Horicon is in northern Warren County, in the Adirondack Park. Bordering Essex County, Brant Lake and Schroon Lake are within the town.

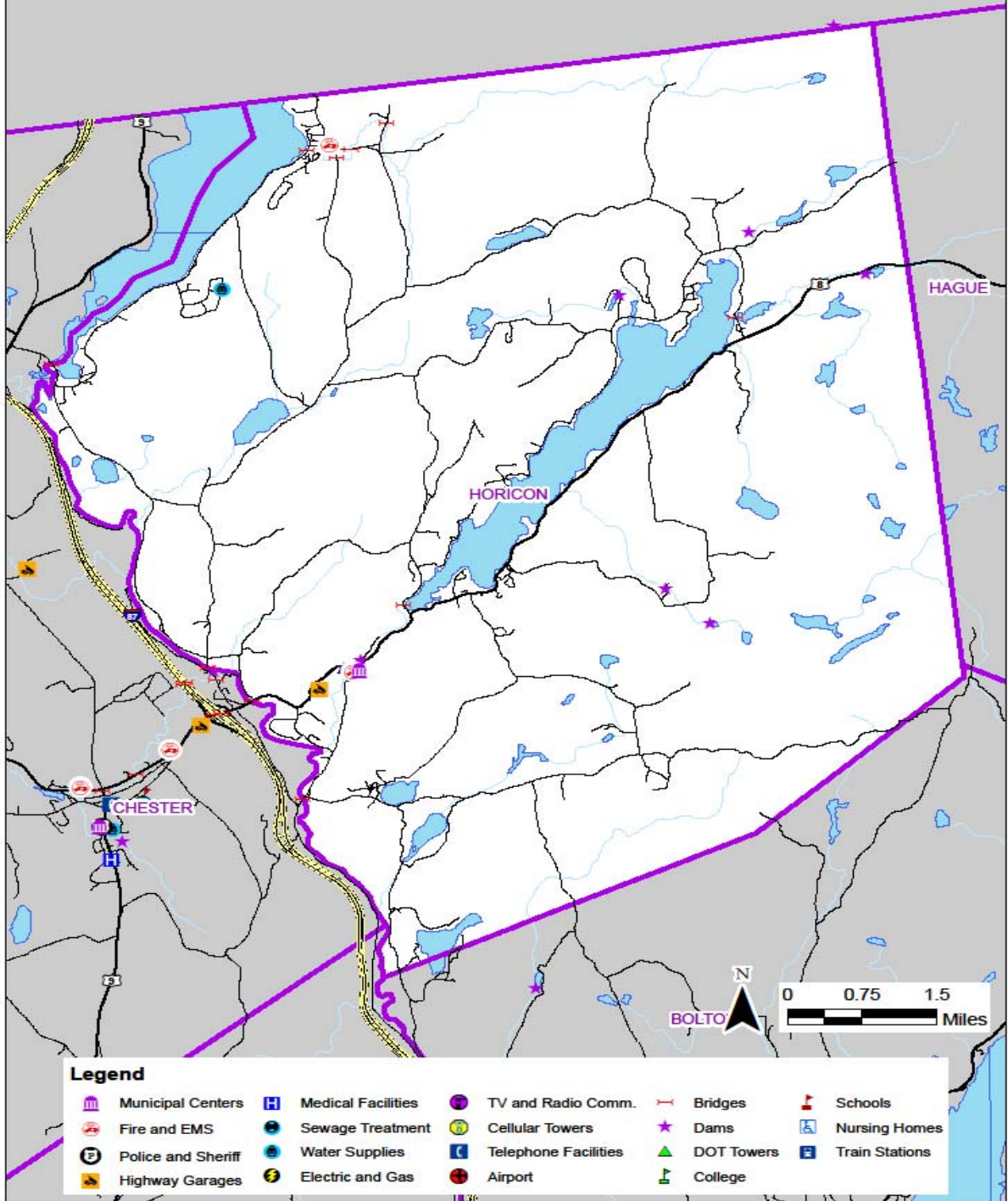
Specific Mitigation Action:

Hazard/Risk	Objective	Strategy	Estimate	Lead Agency	Date	Priority
Reduce impact of <b>flooding</b>	Eliminate road washouts due to spring run-off/heavy summer rains	Pease Hill Road – install larger culverts and straighten flow to culvert(\$75,000) Alder Brook – replace with 2 culverts(\$100,000) Granger Road – replace with larger culvert(\$50,000) Harris Road – stabilize ditches and improve culverts(\$50,000-75,000)	\$275,000-300,000 (all 4 projects)	Town executive, county/local DPW, GIS Coordinator	Fall 2012 LT	L
	High risk Dam (Upper Brant Lake Dam)	Replace Upper Brant Lake Dam	\$1.2 million			

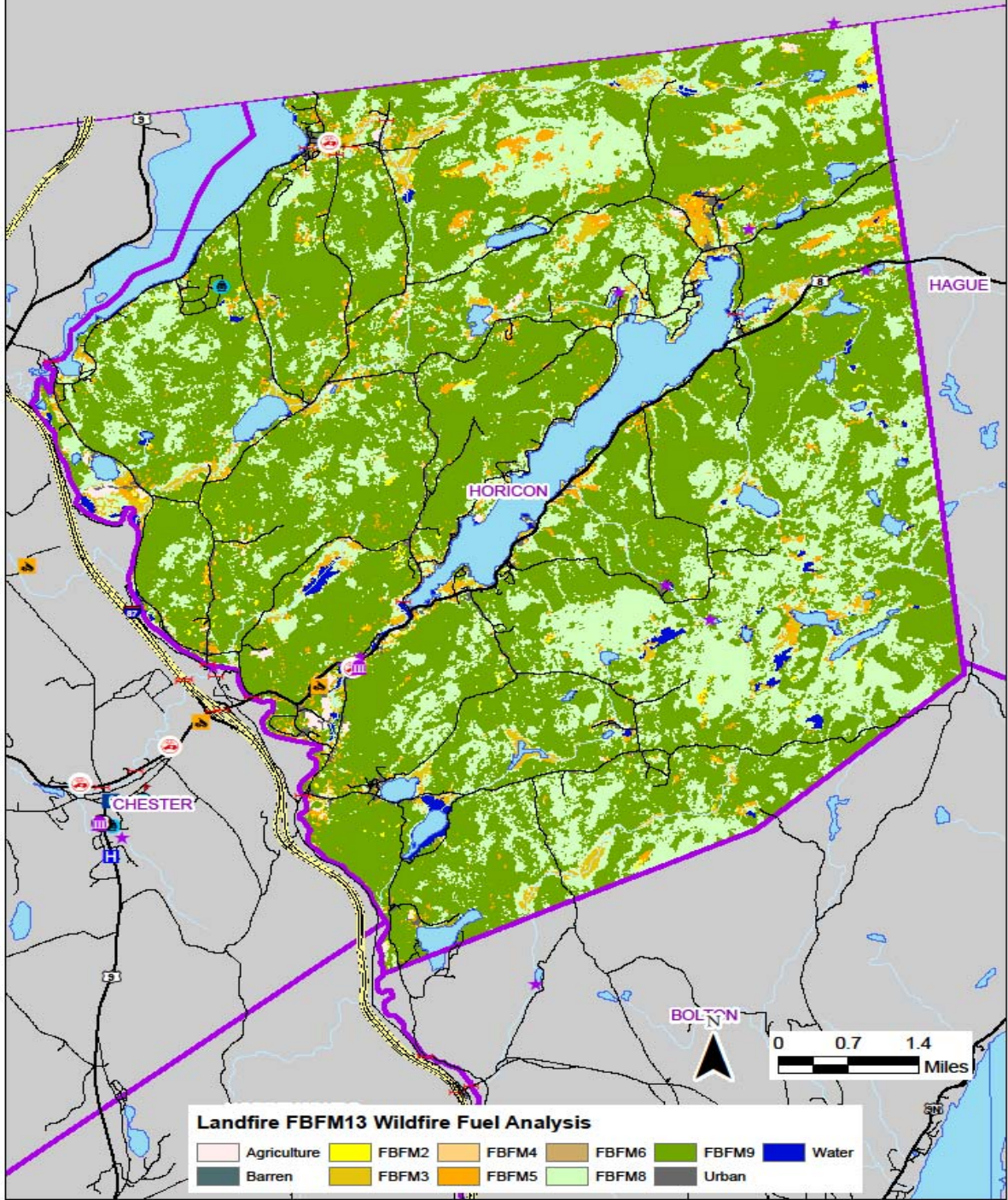
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# Horicon Critical Facilities

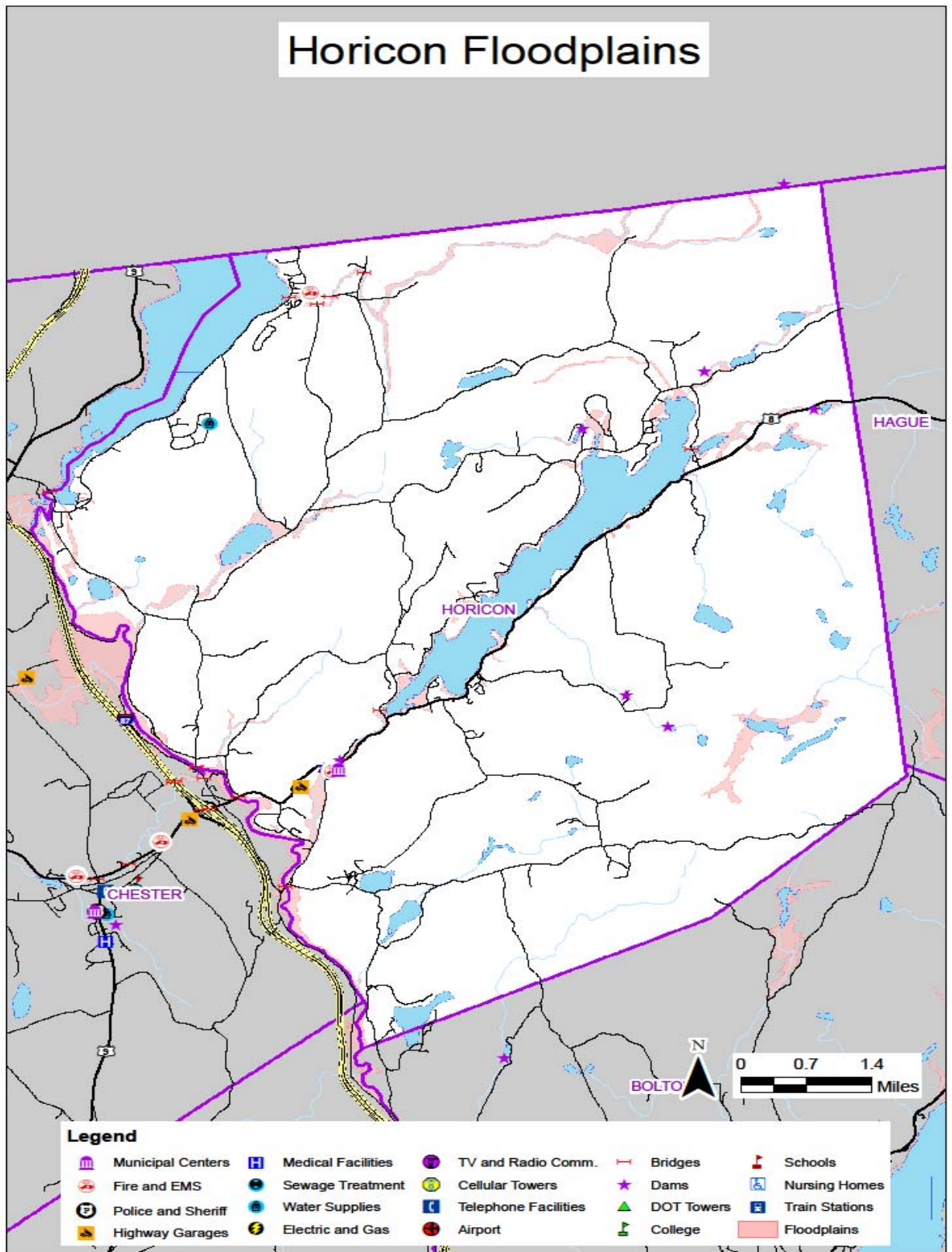


# Town of Horicon Wildfire Fuel Analysis





# Horicon Floodplains



**TOWN OF HORICON FLOOD INVENTORY WORKSHEET**

Type of structure (occupancy class)	Number of Properties			Value of Properties		
	in community	# in hazard area	% in hazard area	\$\$ in community	\$\$ in hazard area	% in hazard area
100	2	1	50%	\$884,600	\$ 567,600	64%
200	1,617	653	40%	\$234,104,950	\$101,460,900	43.34%
300	127	49	39%	\$957,600	\$ 444,000	46%
400	28	13	46%	\$5,823,700	\$ 3,607,200	61.94%
500	10	9	90%	\$13,815,800	\$ 12,973,700	93.90%
600	14	5	36%	\$2,526,600	\$ 1,092,700	43%
700	-		0%	\$0		0%
800	1	1	100%	\$63,400	\$ 63,400	
900	8		0%	\$363,400		0.00%
<b>Total</b>	<b>1805</b>	<b>731</b>	<b>40%</b>	<b>\$258,540,050</b>	<b>\$120,209,500</b>	<b>46%</b>

Flood losses estimated at 50% of structures incurring 30% damage

\$ 18,031,425

Property Type Classification Code (Source – NYS Office of Real Property)

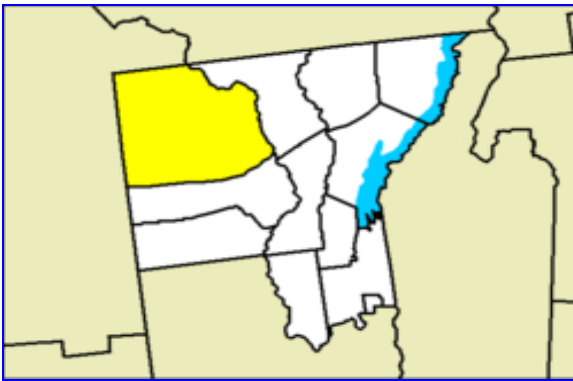
100 Agricultural – Property used for the production of crops or livestock	600 Community – Property used for the well being of the community
200 Residential – Property used for human habitation	700 Industrial – Property used for the production/fabrication of durable/nondurable manmade goods
300 Vacant – Property not in use, in temporary use, or lacks permanent improvement	800 Public – Property used to provide services to the general public
400 Commercial – Property used for the sale of goods and/or services	900 Wild, Conservation Lands, Public Parks – Reforested lands, preserves, private hunting/fishing clubs
500 Recreation – Property used by groups for recreation/amusement/entertainment	

**Value of Critical facilities at risk of Wildfire based upon proximity to heavily forested lands (< 100' separation)**

HORICON VOL FIRE DEPT	611	\$115,500	\$211,000	\$95,500	\$95,500	\$955	\$4,775	\$9,550
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## Johnsburg

Population: 2,450(2000)  
Population density: 12.5 people/sq.mile  
Area: 206.7 sq. miles  
Land: 204.2 sq.mile, Water: 2.5 sq.mile  
Median Income: \$30,559  
Below poverty level: 17.7%

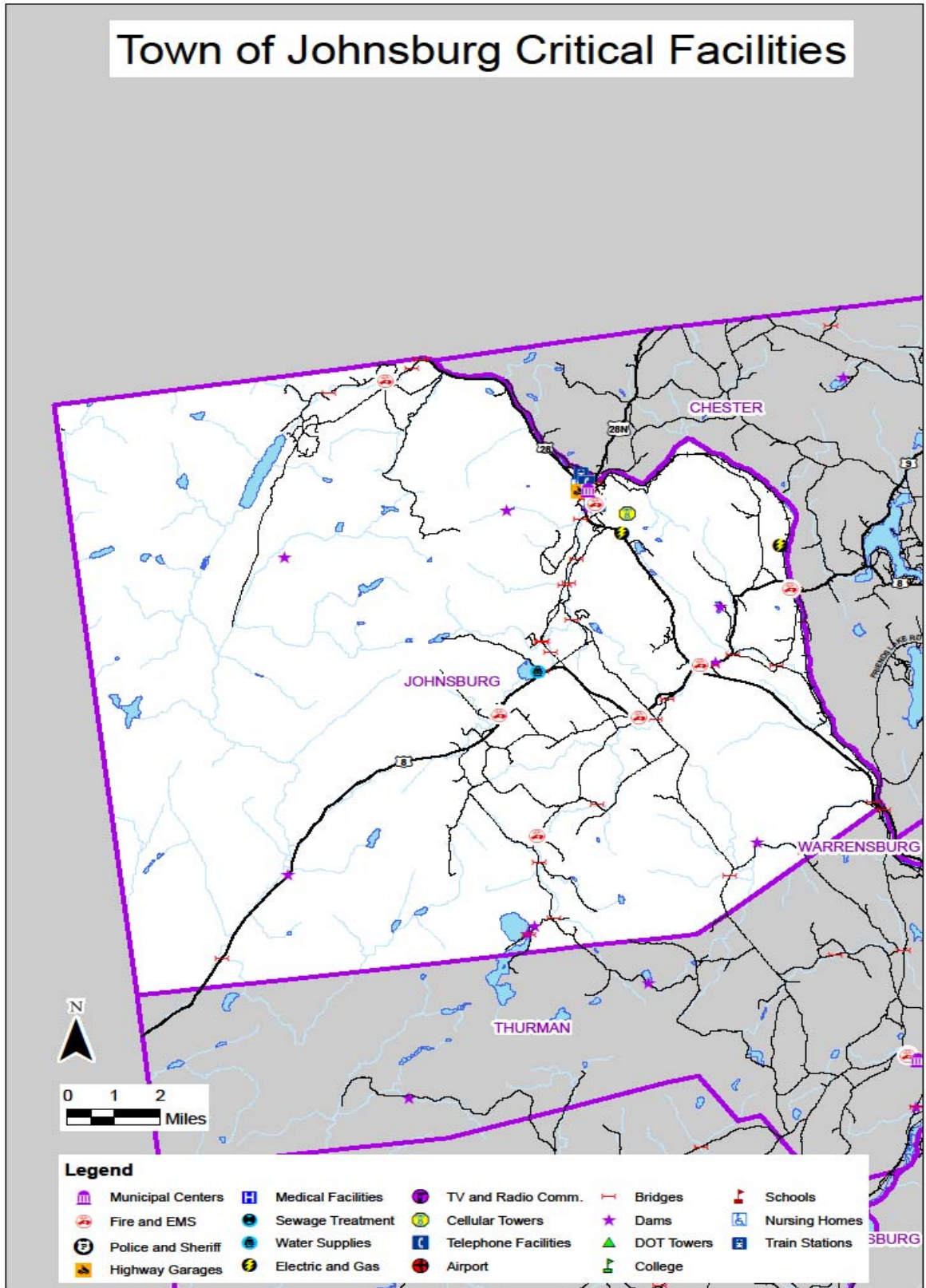


The Town of Johnsburg is located in the northwest corner of Warren County, bordering Hamilton County. The eastern border is the Hudson River. Located entirely in the Adirondack Park, Gore Mountain is located within the town.

Specific Mitigation Action:

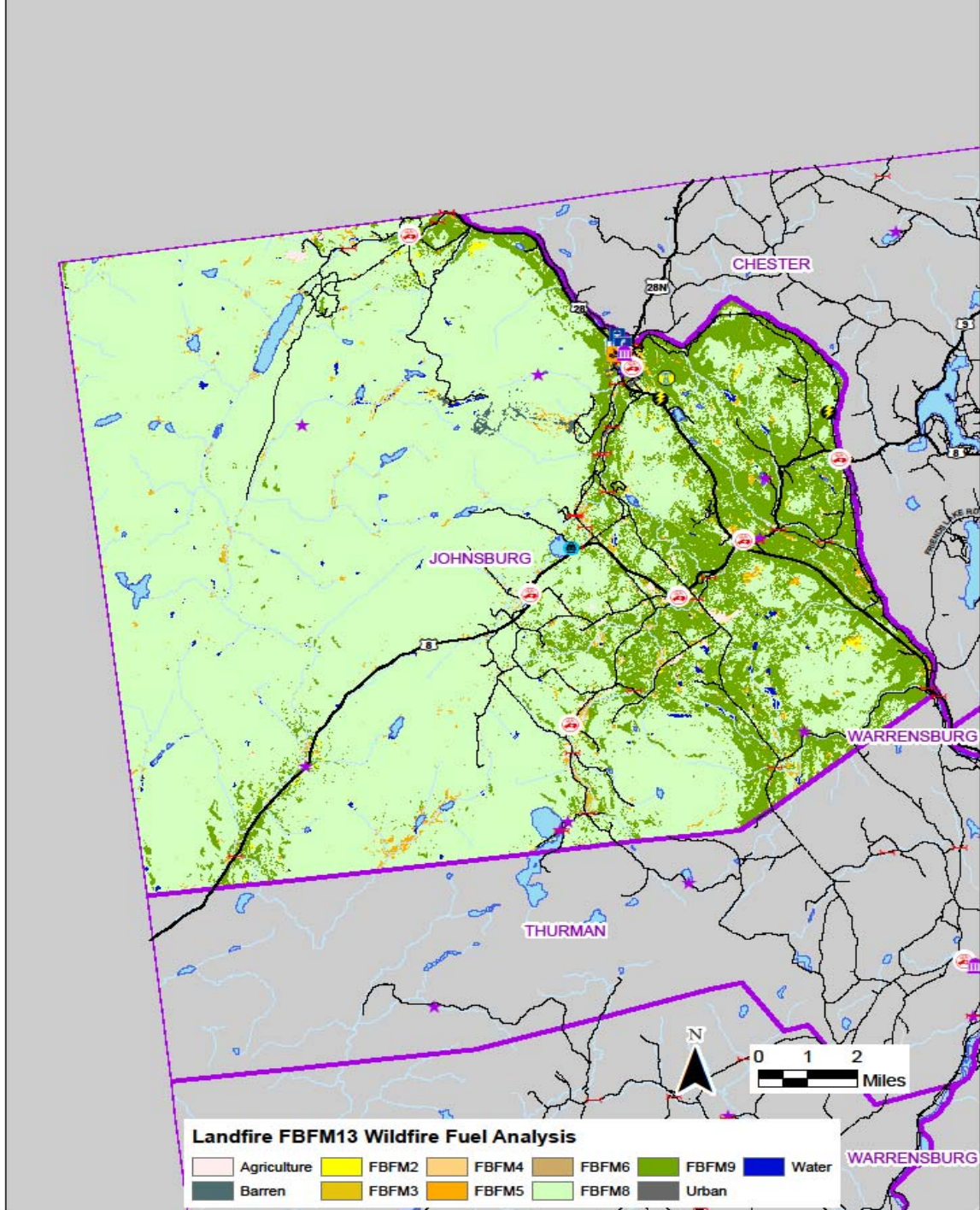
Hazard/Risk	Objective	Strategy	Estimate	Lead Agency	Date	Priority
Reduce impact of <b>flooding</b>	Eliminate road washouts	Drainage improvements, bridge work, Dillion Hill Bridge and Road	\$16,912.	Town executive, county/local DPW	Fall 2011 ST	M

# Town of Johnsburg Critical Facilities



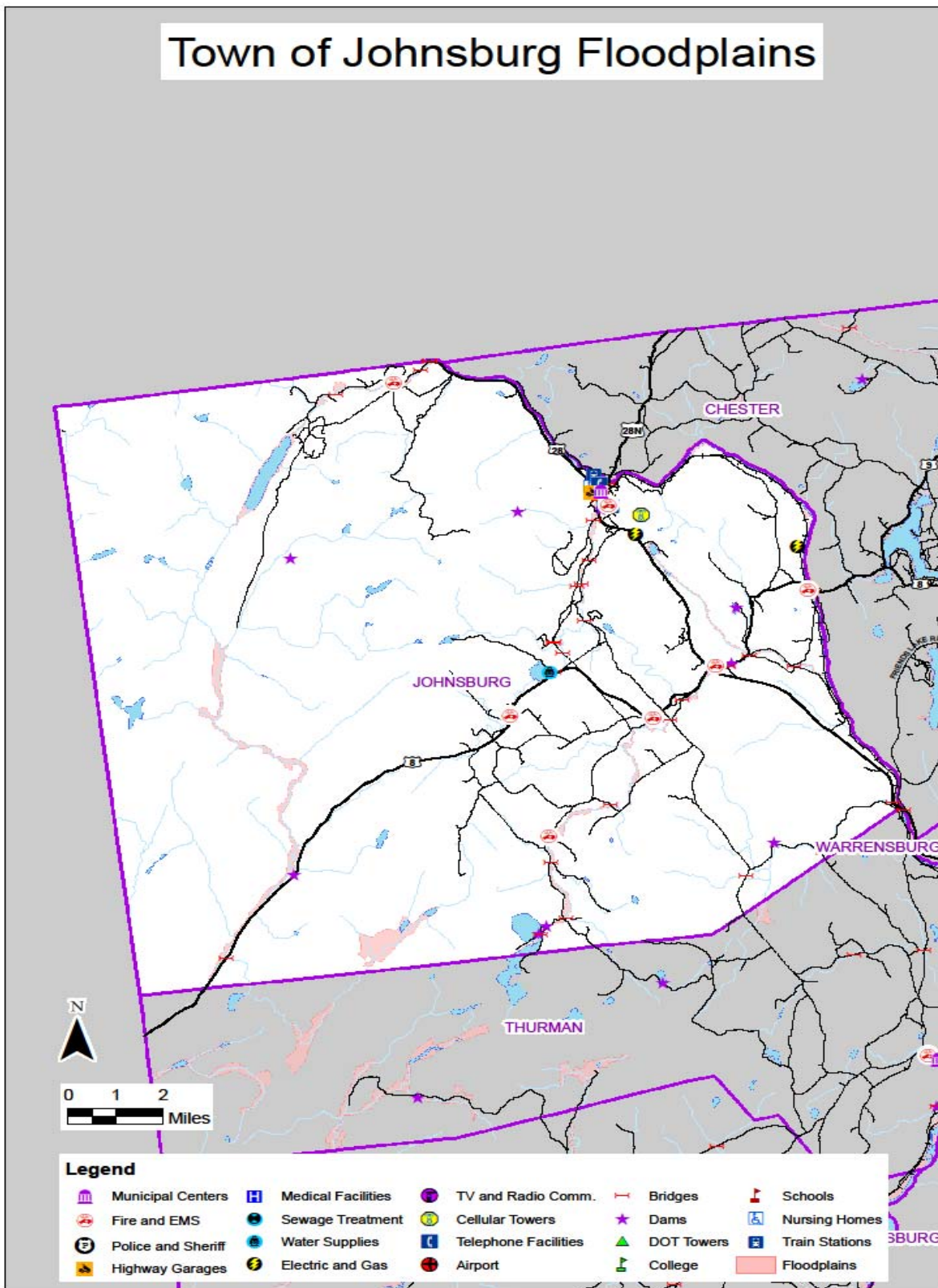


# Town of Johnsburg Wildfire Fuel Analysis





# Town of Johnsburg Floodplains



**TOWN OF JOHNSBURG FLOOD INVENTORY WORKSHEET**

Type of structure (occupancy class)	Number of Properties			Value of Properties			
	in	# in community	# in hazard area	% in hazard area	\$\$ in community	\$\$ in hazard area	% in hazard area
100		-		0%	\$ -		0%
200		1,762	217	12%	\$4,334,692	\$516,600	11.92%
300		107	13	12%	\$30,140	\$ 2,700	9%
400		96	11	11%	\$657,450	\$110,600	16.82%
500		5	1	20%	\$20,100	\$ 2,000	9.95%
600		36	4	11%	\$724,040	\$117,500	16%
700		1		0%	\$255,000		0%
800		14	1	7%	\$175,597	\$ 3,000	
900		28	2	7%	\$355,100	\$ 1,100	0%
<b>Total</b>		<b>2049</b>	<b>249</b>	<b>12%</b>	<b>\$6,552,119</b>	<b>\$753,500</b>	<b>12%</b>

Flood losses estimated at 50% of structures incurring 30% damage

\$113,025

Property Type Classification Code (Source – NYS Office of Real Property)

100 Agricultural – Property used for the production of crops or livestock	600 Community – Property used for the well being of the community
200 Residential – Property used for human habitation	700 Industrial – Property used for the production/fabrication of durable/nondurable manmade goods
300 Vacant – Property not in use, in temporary use, or lacks permanent improvement	800 Public – Property used to provide services to the general public
400 Commercial – Property used for the sale of goods and/or services	900 Wild, Conservation Lands, Public Parks – Reforested lands, preserves, private hunting/fishing clubs
500 Recreation – Property used by groups for recreation/amusement/entertainment	

**Value of Critical facilities at risk of Wildfire based upon proximity to heavily forested lands (< 100’ separation)**

BAKERS MILLS & SODOM VOL FIRE	662	\$100	\$2,400	\$2,300	\$225,607	\$23	\$115	\$230
GARNET LAKE VOLUNTEER	662	\$100	\$1,100	\$1,000	\$98,090	\$10	\$50	\$100
JOHNSBURG VOLUNTEER	662	\$100	\$2,600	\$2,500	\$245,225	\$25	\$125	\$250
NORTH RIVER VOL.FIRE CO.	662	\$100	\$3,500	\$3,400	\$333,506	\$34	\$170	\$340
NIAGARA MOHAWK POWER CORP	872	\$3,000	\$7,243	\$4,243	\$416,196	\$42	\$212	\$424
RIVERSIDE VOL.FIRE CO.	662	\$100	\$1,240	\$1,140	\$111,823	\$11	\$57	\$114

## Lake George

Population: 3,578

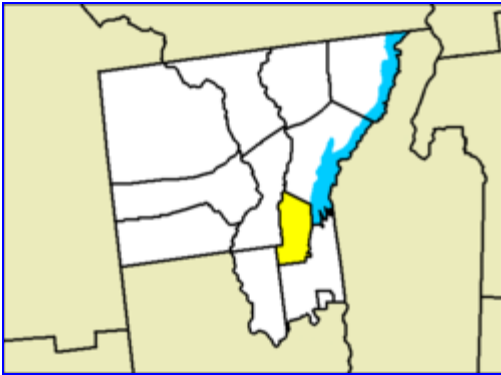
Population density: 118.2 people/sq.mile

Area: 32.7 sq. miles

Land: 30.2 sq.miles, Water: 2.5 sq.miles

Median Income: \$42,125

Below poverty level: 6.8 %

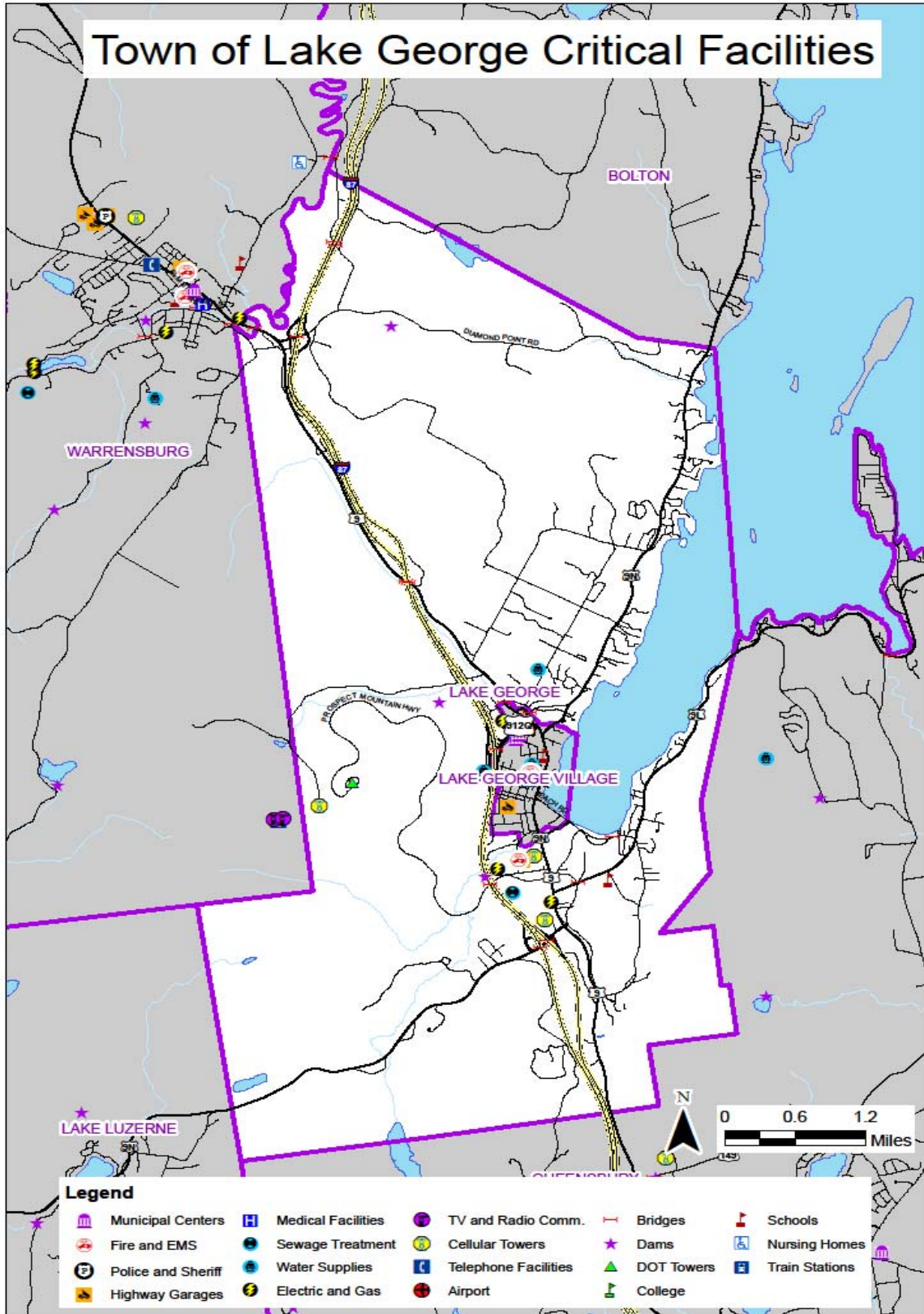


Located in the Adirondack Park, the town of Lake George is bordered on the southern end by Lake George. Prospect Mountain is within the town. The Village of Lake George has a population of 985 and an area of .6 square miles.

Specific Mitigation Action:

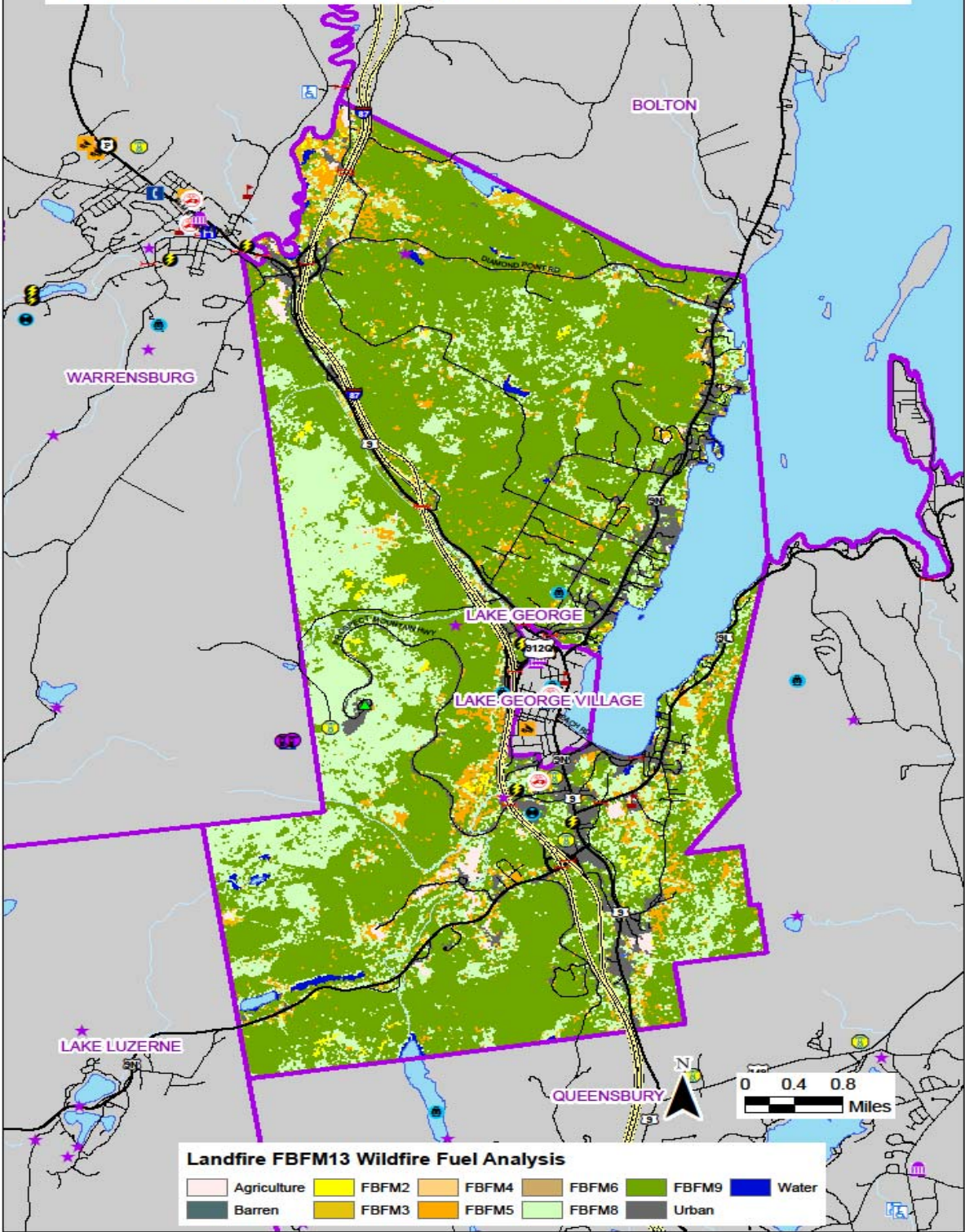
Hazard/Risk	Objective	Strategy	Estimate	Lead Agency	Date	Priority
Reduce impact of <b>flooding</b>	Eliminate erosion and road washouts	Reconstruction and drainage upgrade to Beach Road, <b>Town of Lake George</b>	\$5,000,000	Town executive, county/local DPW,	Fall 2012	L
		Replacing old drop inlets with large roadside infiltration systems – 25 to replace(\$100,000) Prospect Brook – stream restoration and drainage in village(\$352,000), <b>Village of Lake George</b>	\$452,000 (both projects)	Mayor, county/local DPW	LT	

# Town of Lake George Critical Facilities

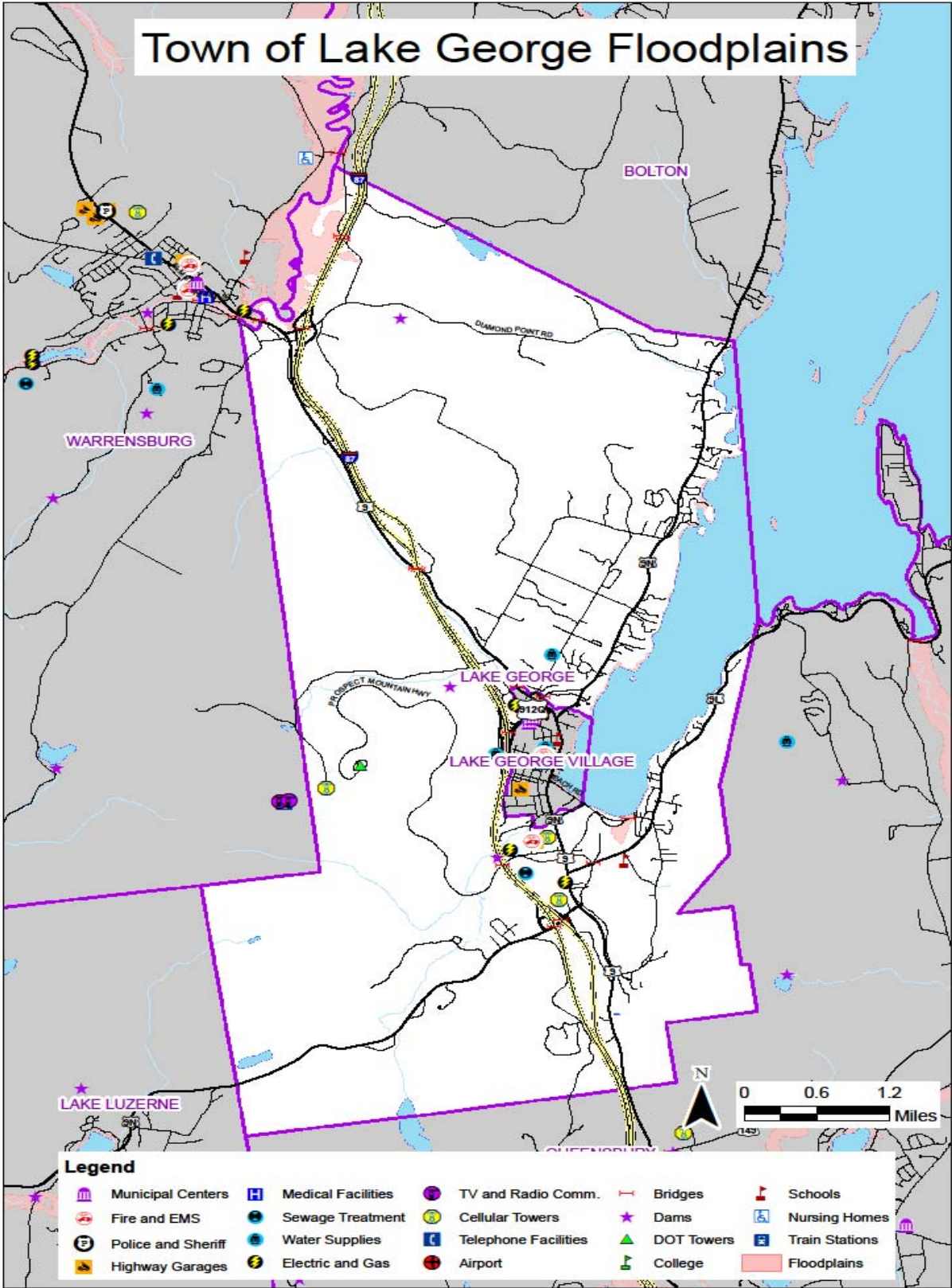




# Town of Lake George Wildfire Fuel Analysis



# Town of Lake George Floodplains



**TOWN OF LAKE GEORGE FLOOD INVENTORY WORKSHEET**

Type of structure (occupancy class)	Number of Properties			Value of Properties		
	# in community	# in hazard area	% in hazard area	\$\$ in community	\$\$ in hazard area	% in hazard area
100	-		0%	\$ -		0%
200	1,677	153	9%	\$232,431,875	<b>\$38,446,975</b>	16.54%
300	60	11	18%	\$719,500	<b>\$ 163,200</b>	23%
400	254	30	12%	\$88,769,600	<b>\$18,425,300</b>	20.76%
500	27	4	15%	\$14,745,000	<b>\$ 2,819,900</b>	19.12%
600	13	3	23%	\$7,165,600	<b>\$ 1,648,000</b>	23%
700	-		0	\$0		0
800	9	1	11%	\$4,042,733	<b>\$ 19,800</b>	
900	6	2	33%	\$1,144,300	<b>\$ 1,074,400</b>	94%
<b>Total</b>	<b>2046</b>	<b>204</b>	<b>10%</b>	<b>\$349,018,608</b>	<b>\$62,597,575</b>	<b>18%</b>

Flood losses estimated at 50% of structures incurring 30% damage

\$ 9,389,636

Property Type Classification Code (Source – NYS Office of Real Property)

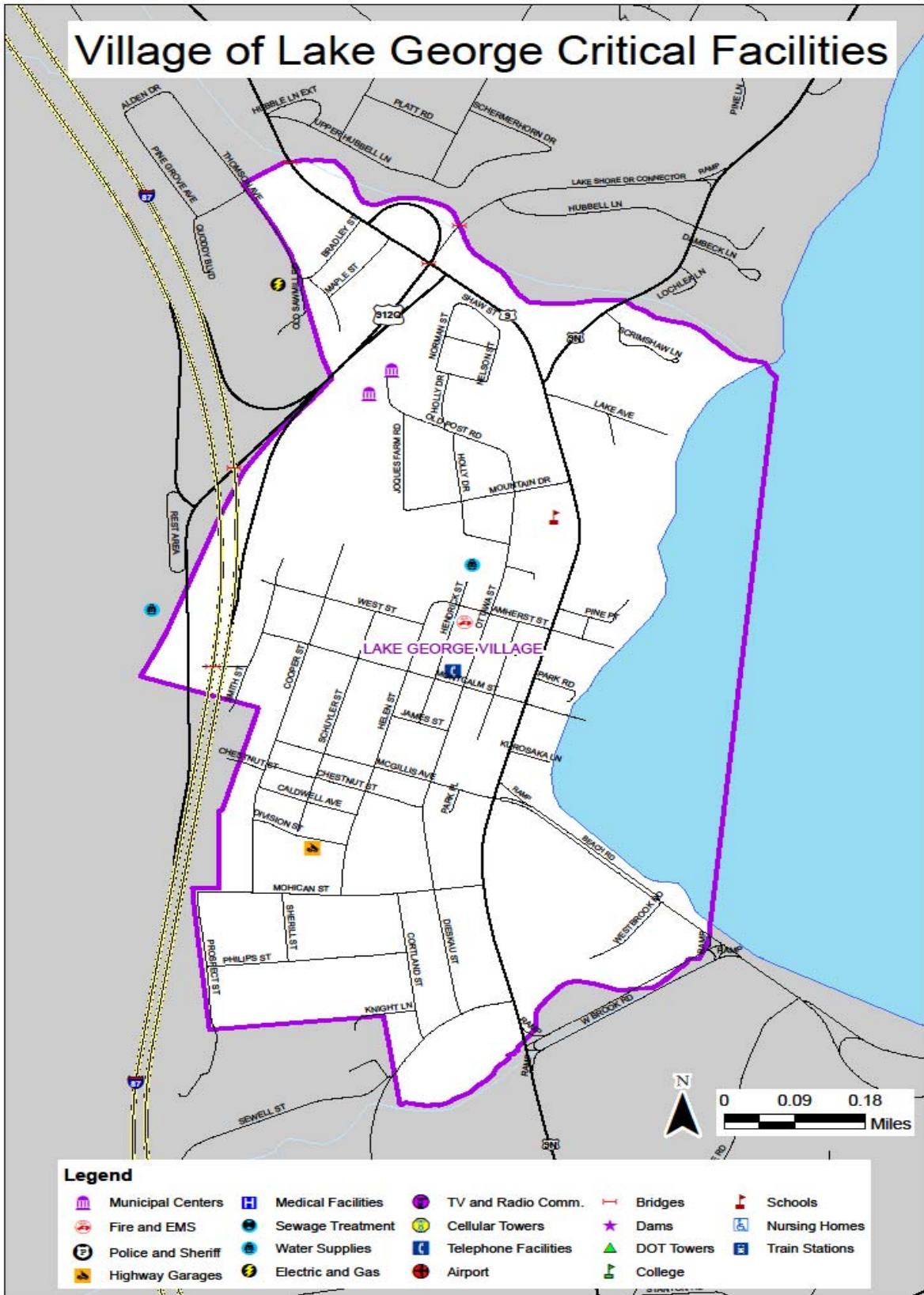
100 Agricultural – Property used for the production of crops or livestock	600 Community – Property used for the well being of the community
200 Residential – Property used for human habitation	700 Industrial – Property used for the production/fabrication of durable/nondurable manmade goods
300 Vacant – Property not in use, in temporary use, or lacks permanent improvement	800 Public – Property used to provide services to the general public
400 Commercial – Property used for the sale of goods and/or services	900 Wild, Conservation Lands, Public Parks – Reforested lands, preserves, private hunting/fishing clubs
500 Recreation – Property used by groups for recreation/amusement/entertainment	

**Value of Critical facilities at risk of Wildfire based upon proximity to heavily forested lands (< 100’ separation)**

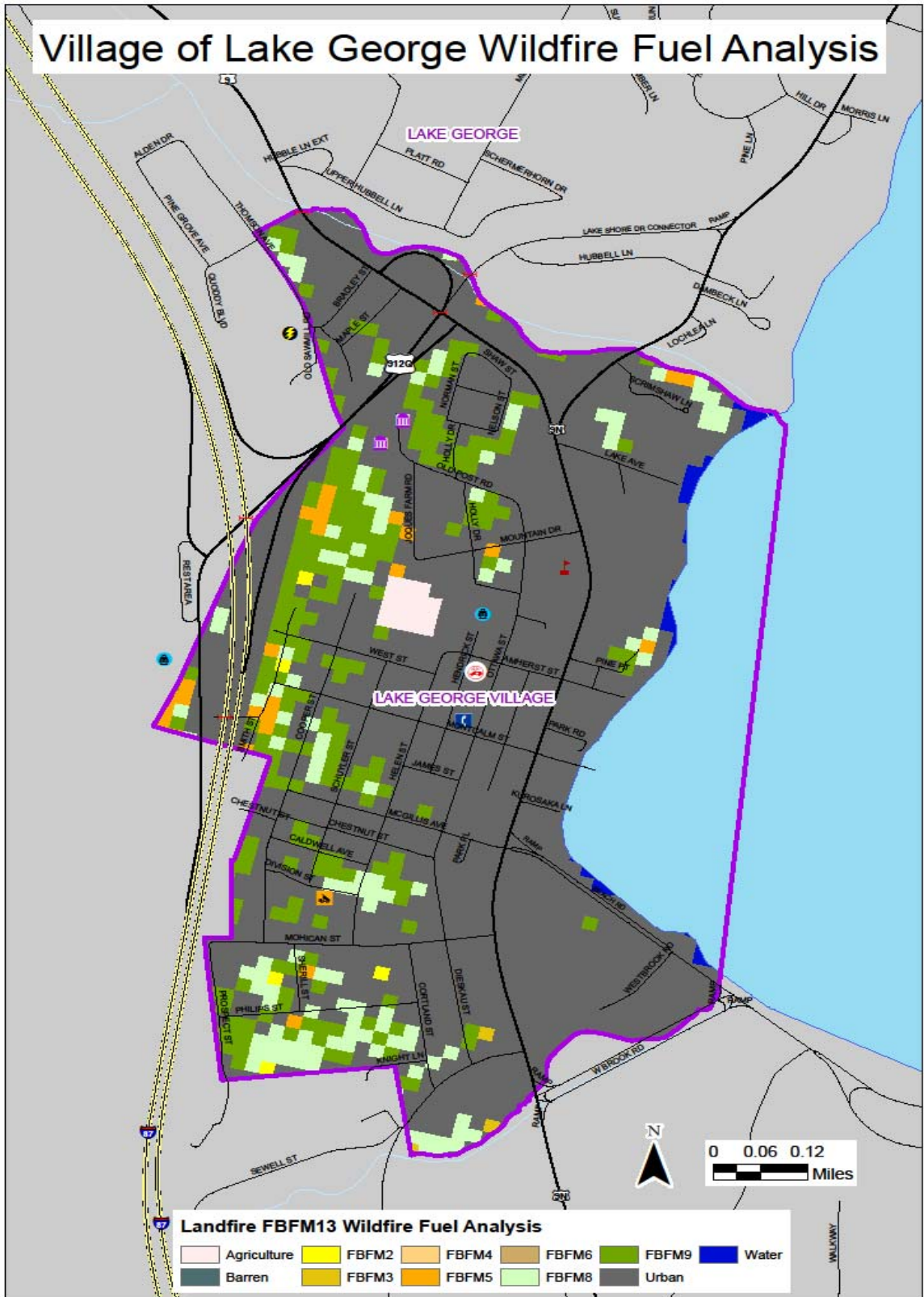
NATIONAL GRID	872	\$13,300	\$190,687	\$257,427	\$347,527	\$2,574	\$12,871	\$25,743
STATE OF NEW YORK	961	\$804,500	\$804,500	\$1,086,075	\$1,466,201	\$10,861	\$54,304	\$108,608



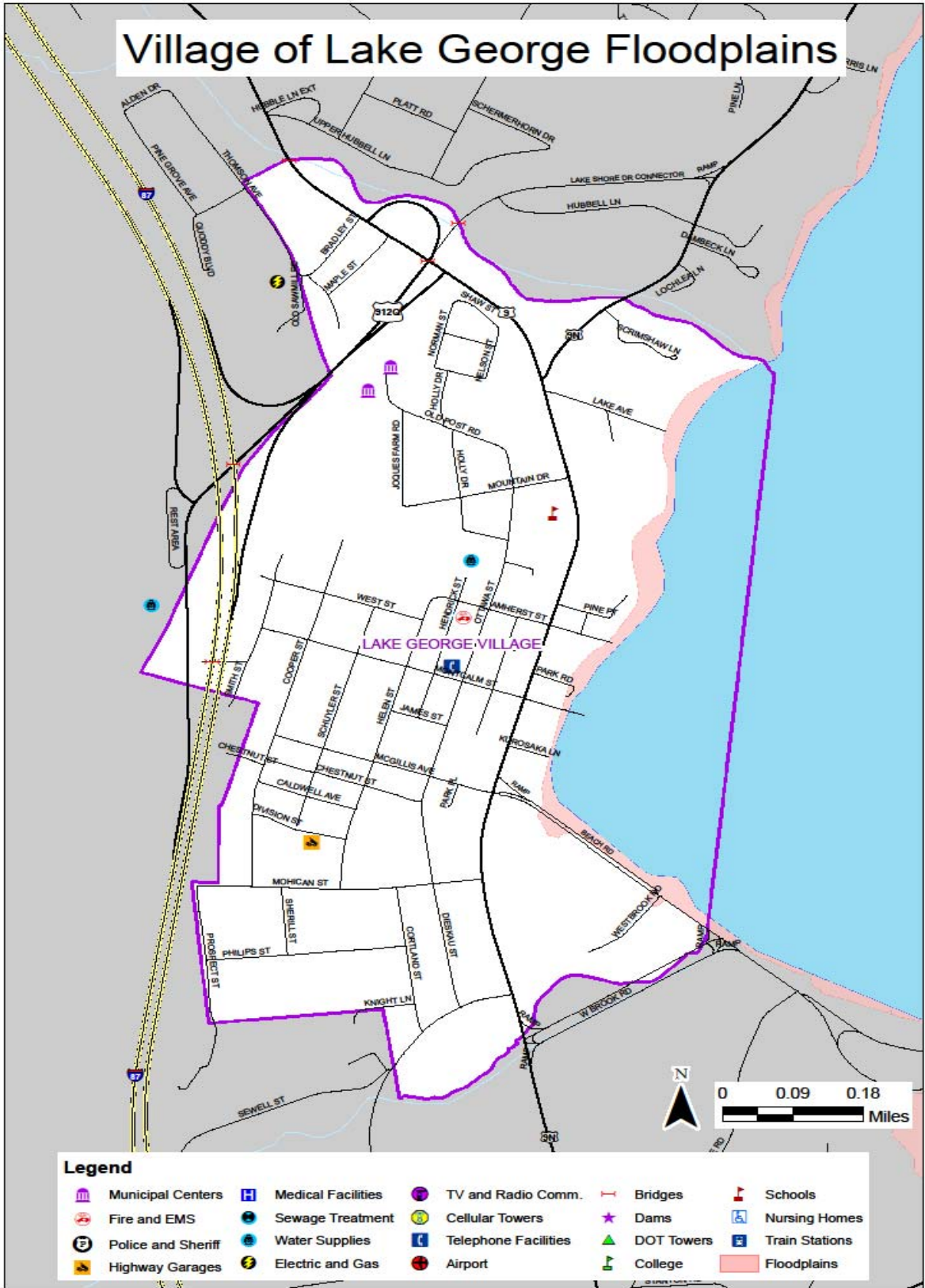
# Village of Lake George Critical Facilities



# Village of Lake George Wildfire Fuel Analysis



# Village of Lake George Floodplains



Legend			
	Municipal Centers		Medical Facilities
	Fire and EMS		Water Supplies
	Police and Sheriff		Electric and Gas
	Highway Garages		TV and Radio Comm.
	Cellular Towers		Telephone Facilities
	Airport		Bridges
	Dams		DOT Towers
	College		Schools
	Nursing Homes		Train Stations
	Floodplains		



**VILLAGE OF LAKE GEORGE FLOOD INVENTORY WORKSHEET**

Type of structure (occupancy class)	Number of Properties			Value of Properties		
	# in community	# in hazard area	% in hazard area	\$\$ in community	\$\$ in hazard area	% in hazard area
100	-		0%	\$ -		0%
200	316	5	2%	\$30,618,200	\$ 671,200	2.19%
300	13	1	8%	\$106,100	\$ 2,600	2%
400	165	21	13%	\$70,949,200	\$20,576,900	29.00%
500	9	1	11%	\$4,252,600	\$ 124,000	2.92%
600	19	2	11%	\$11,625,100	\$ 492,100	4%
700	-		0%	\$0		0%
800	2		0%	\$3,079,700		
900	-		0%	\$0		0%
<b>Total</b>	<b>524</b>	<b>30</b>	<b>6%</b>	<b>\$120,630,900</b>	<b>\$21,866,800</b>	<b>18%</b>

Flood losses estimated at 50% of structures incurring 30% damage

\$ 3,280,020

Property Type Classification Code (Source – NYS Office of Real Property)

100 Agricultural – Property used for the production of crops or livestock	600 Community – Property used for the well being of the community
200 Residential – Property used for human habitation	700 Industrial – Property used for the production/fabrication of durable/nondurable manmade goods
300 Vacant – Property not in use, in temporary use, or lacks permanent improvement	800 Public – Property used to provide services to the general public
400 Commercial – Property used for the sale of goods and/or services	900 Wild, Conservation Lands, Public Parks – Reforested lands, preserves, private hunting/fishing clubs
500 Recreation – Property used by groups for recreation/amusement/entertainment	

**Value of Critical facilities at risk of Wildfire based upon proximity to heavily forested lands (< 100’ separation)**

VILLAGE OF LAKE GEORGE	822	\$25,400	\$184,900	\$249,615	\$336,980	\$2,496	\$12,481	\$24,962
VILLAGE OF LAKE GEORGE	822	\$34,200	\$643,400	\$868,590	\$1,172,597	\$8,686	\$43,430	\$86,859

## Lake Luzerne

Population: 3,219

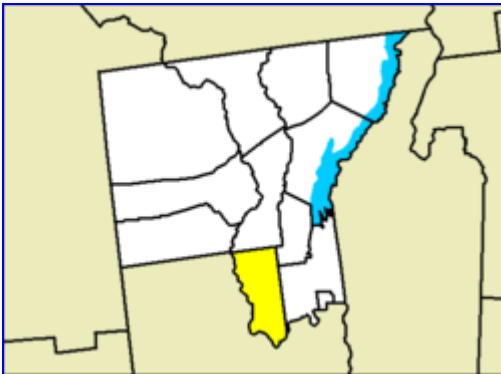
Population density: 61.2 people/sq.mile

Area: 54.1 sq. miles

Land: 52.6 sq.miles, Water: 1.4 sq.miles

Median Income: \$36,348

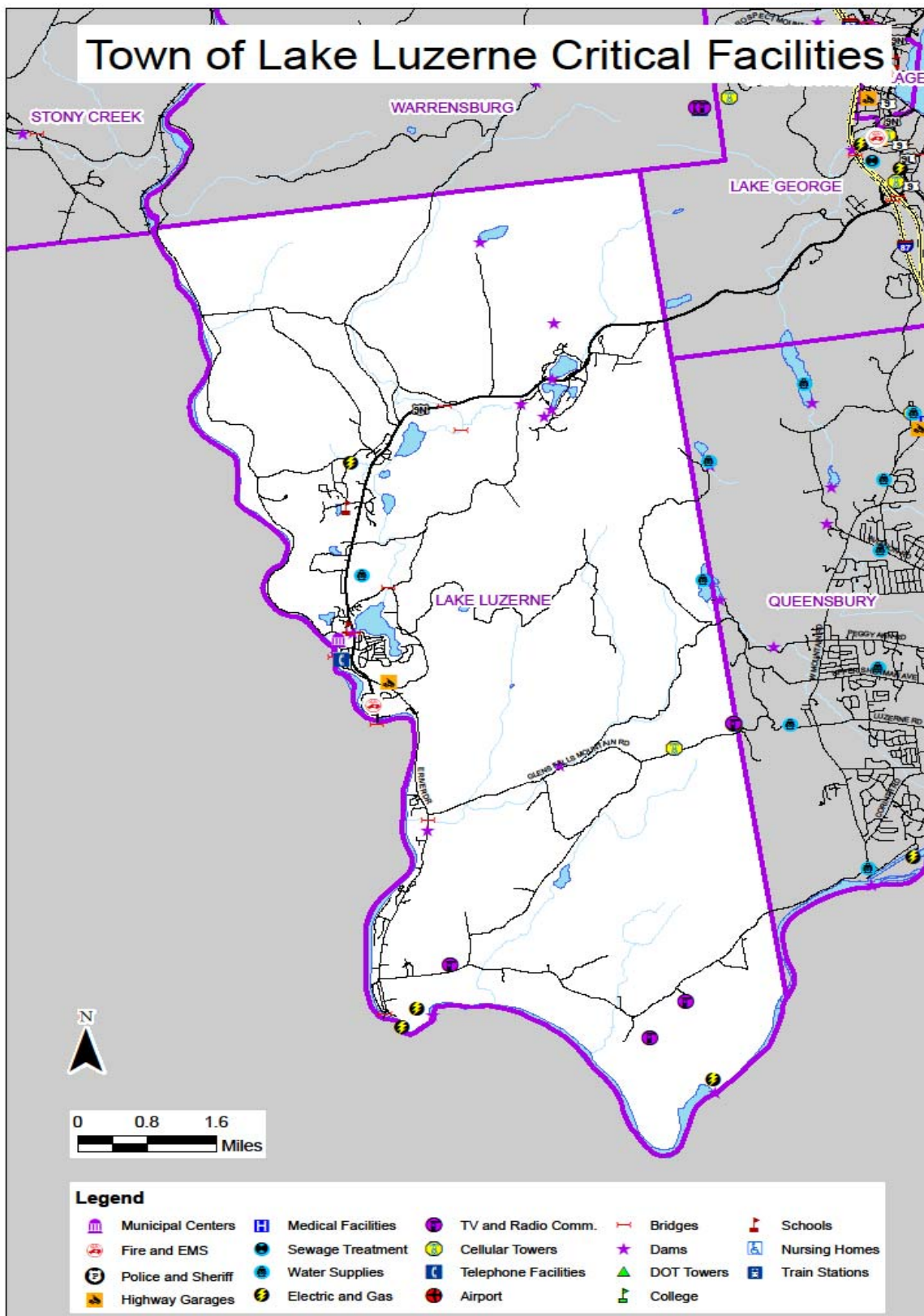
Below poverty level: 10.3 %



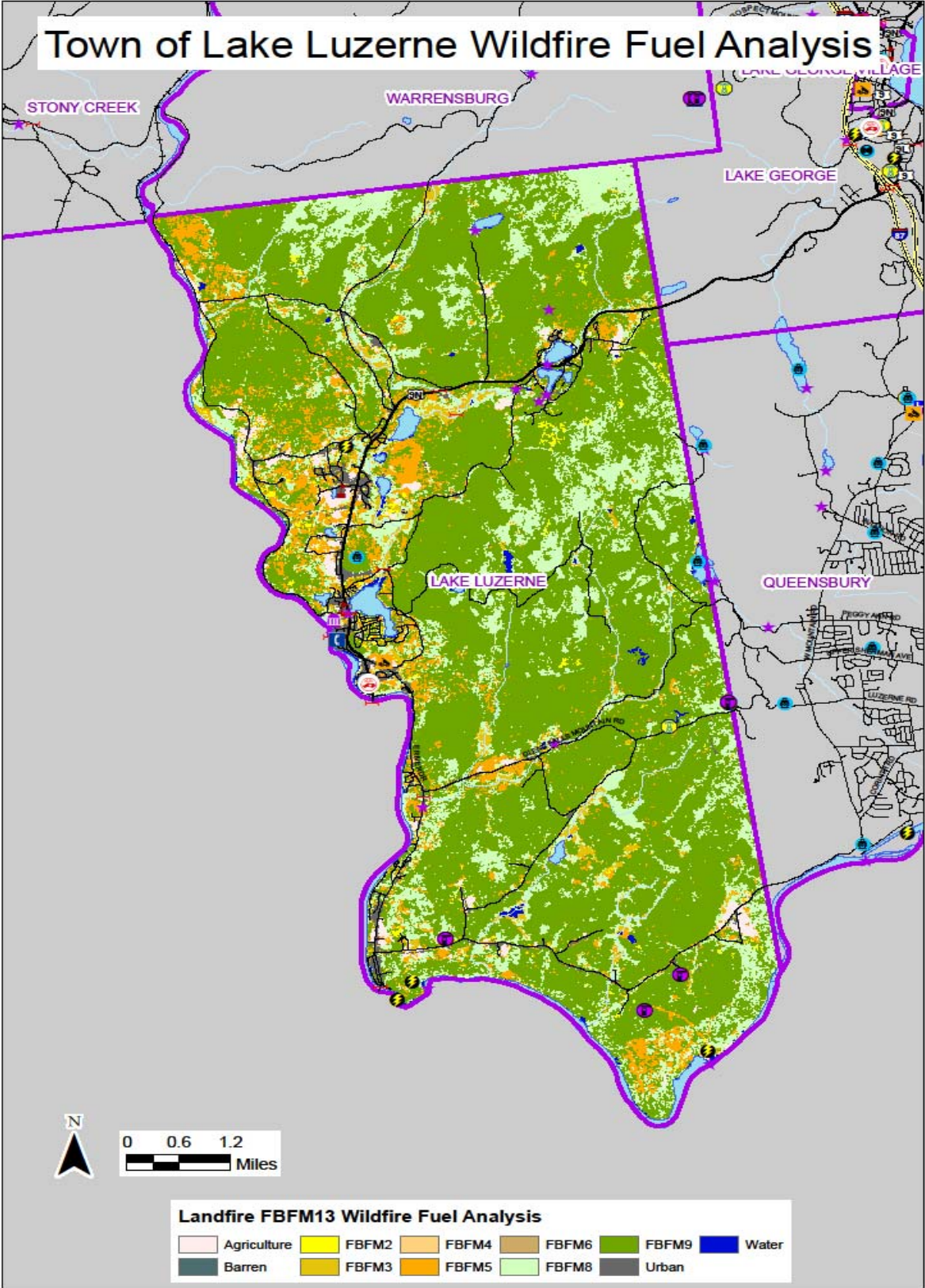
Lake Luzerne borders Saratoga County on the south and west. The northern portion of the town is located in the Adirondack Park, with Lake Vanare, Lake Luzerne and Fourth Lake in the town.

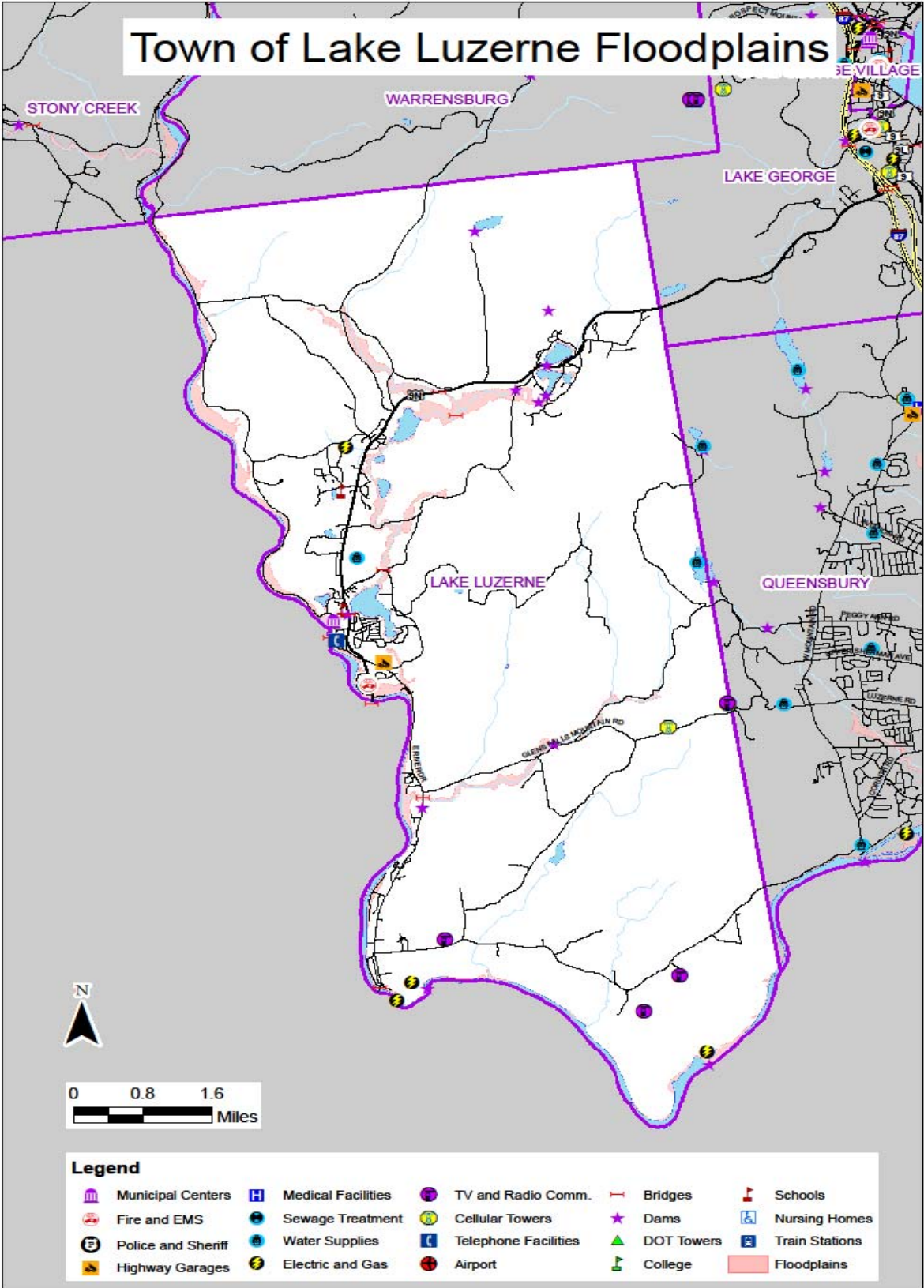
Specific Mitigation Action:

Hazard/Risk	Objective	Strategy	Estimate	Lead Agency	Date	Priority
Reduce impact of <b>flood</b> ing	Eliminate road washouts	Beartown Rd. washout, Glens Falls Mt. Road culvert rusted Gutters washout on "Hill Roads" 7 roads listed in Mitigation response(SectionIII) reshape/blacktop gutters, replace 4 culverts	\$165,000	Town executive, county/local DPW,	Fall 2012 ST	M









**TOWN OF LAKE LUZERNE FLOOD INVENTORY WORKSHEET**

Type of structure (occupancy class)	Number of Properties			Value of Properties		
	# in community	# in hazard area	% in hazard area	\$\$ in community	\$\$ in hazard area	% in hazard area
100	-	0	0%	\$ -		0%
200	1,782	441	25%	\$189,510,200	\$52,405,000	27.65%
300	63	23	37%	\$858,700	\$ 286,700	33%
400	76	23	30%	\$11,426,850	\$ 4,049,950	35.44%
500	17	8	47%	\$4,536,500	\$ 2,933,500	64.66%
600	19	5	26%	\$32,339,500	\$ 2,937,500	9%
700	2	0	0%	\$289,000		0%
800	14	4	29%	\$23,499,800	\$21,423,000	
900	3	2	67%	\$186,000	\$ 183,000	98%
<b>Total</b>	<b>1976</b>	<b>506</b>	<b>26%</b>	<b>\$262,646,550</b>	<b>\$84,218,650</b>	<b>32%</b>

Flood losses estimated at 50% of structures incurring 30% damage \$12,632,798

Property Type Classification Code (Source – NYS Office of Real Property)

100 Agricultural – Property used for the production of crops or livestock	600 Community – Property used for the well being of the community
200 Residential – Property used for human habitation	700 Industrial – Property used for the production/fabrication of durable/nondurable manmade goods
300 Vacant – Property not in use, in temporary use, or lacks permanent improvement	800 Public – Property used to provide services to the general public
400 Commercial – Property used for the sale of goods and/or services	900 Wild, Conservation Lands, Public Parks – Reforested lands, preserves, private hunting/fishing clubs
500 Recreation – Property used by groups for recreation/amusement/entertainment	

Value of Critical facilities at risk of Wildfire based upon proximity to heavily forested lands (< 100’ separation)

NATIONAL GRID	872	\$13,300	\$190,687	\$257,427	\$347,527	\$2,574	\$12,871	\$25,743
STATE OF NEW YORK	961	\$804,500	\$804,500	\$1,086,075	\$1,466,201	\$10,861	\$54,304	\$108,608
NESHAT, REZA ALI	835	\$20,000	\$270,000	\$250,000	\$285,000	\$2,500	\$12,500	\$25,000
CURTIS PALMER HYDRO CO	874	\$513,000	\$5,821,900	\$5,308,900	\$6,052,146	\$53,089	\$265,445	\$530,890
ERIE BOULEVARD HYDRO LP	874	\$238,000	\$14,787,000	\$14,549,000	\$16,585,860	\$145,490	\$727,450	\$1,454,900
NIAGARA MOHAWK	872	\$33,000	\$743,800	\$710,800	\$810,312	\$7,108	\$35,540	\$71,080
PAMAL BROADCASTING LTD	833	\$48,000	\$86,000	\$38,000	\$43,320	\$380	\$1,900	\$3,800
CAPITAL MEDIA CORP	836	\$125,000	\$170,000	\$45,000	\$51,300	\$450	\$2,250	\$4,500
LAKE LUZERNE WATER DISTRICT	822	\$19,000	\$600,000	\$581,000	\$662,340	\$5,810	\$29,050	\$58,100

## Queensbury

Population: 25,441

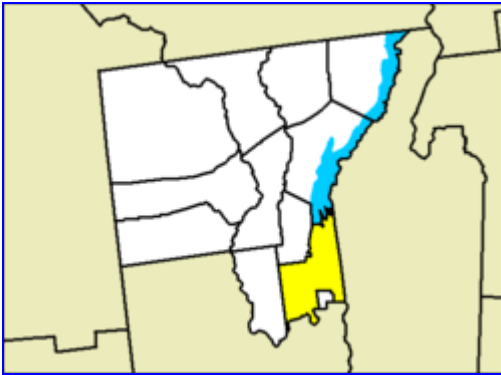
Population density: 403.8 people/sq.mile

Area: 64.8 sq. miles

Land: 63.0 sq.miles, Water: 1.8 sq.miles

Median Income: \$47,225

Below poverty level: 5 %



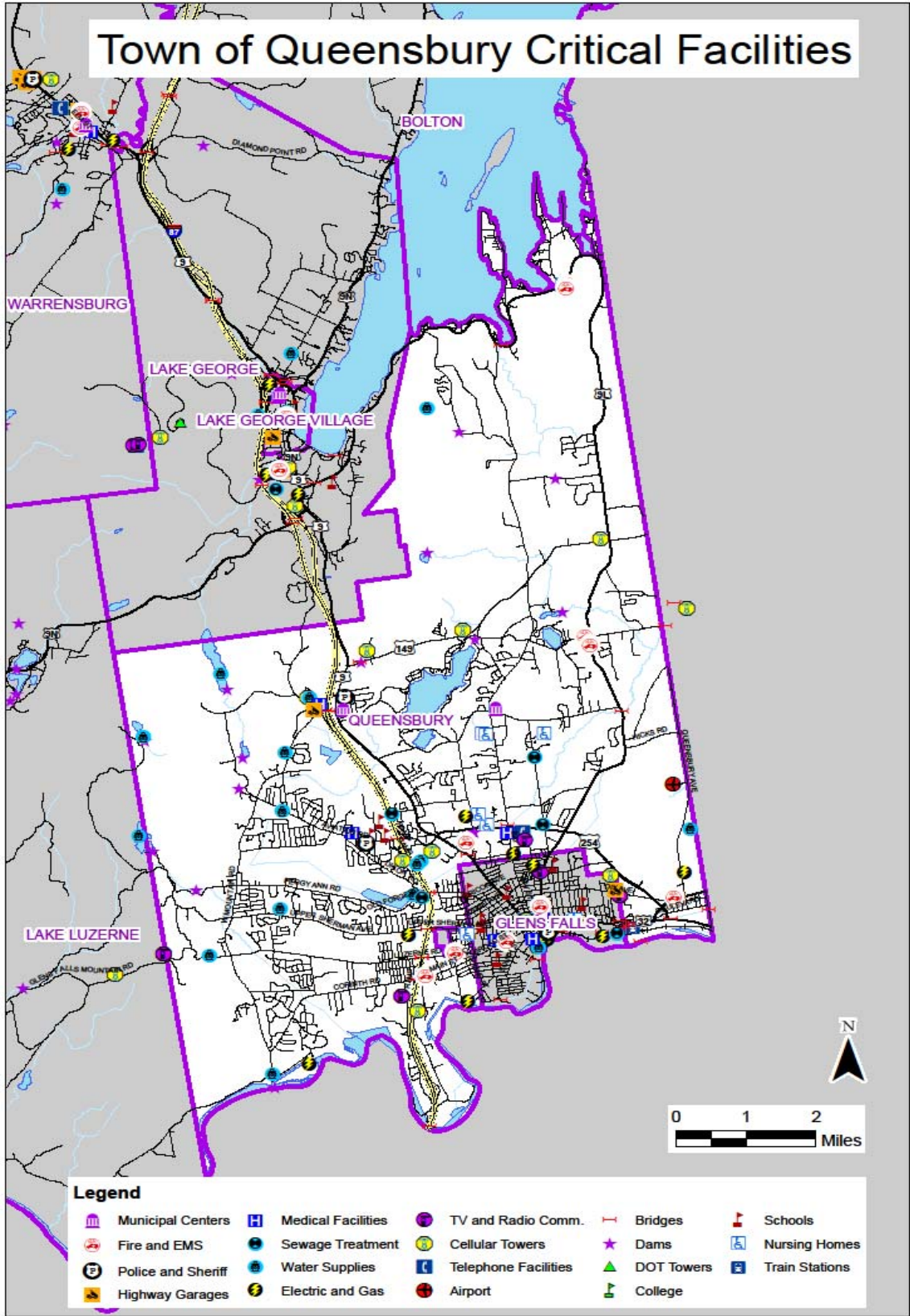
Located in the southeast section of Warren County, **Queensbury** surrounds the **City of Glens Falls** on three sides, sharing the southern border of Saratoga County and the Hudson River. West Mountain is located in the town in the Adirondack foothills.

Specific Mitigation Action:

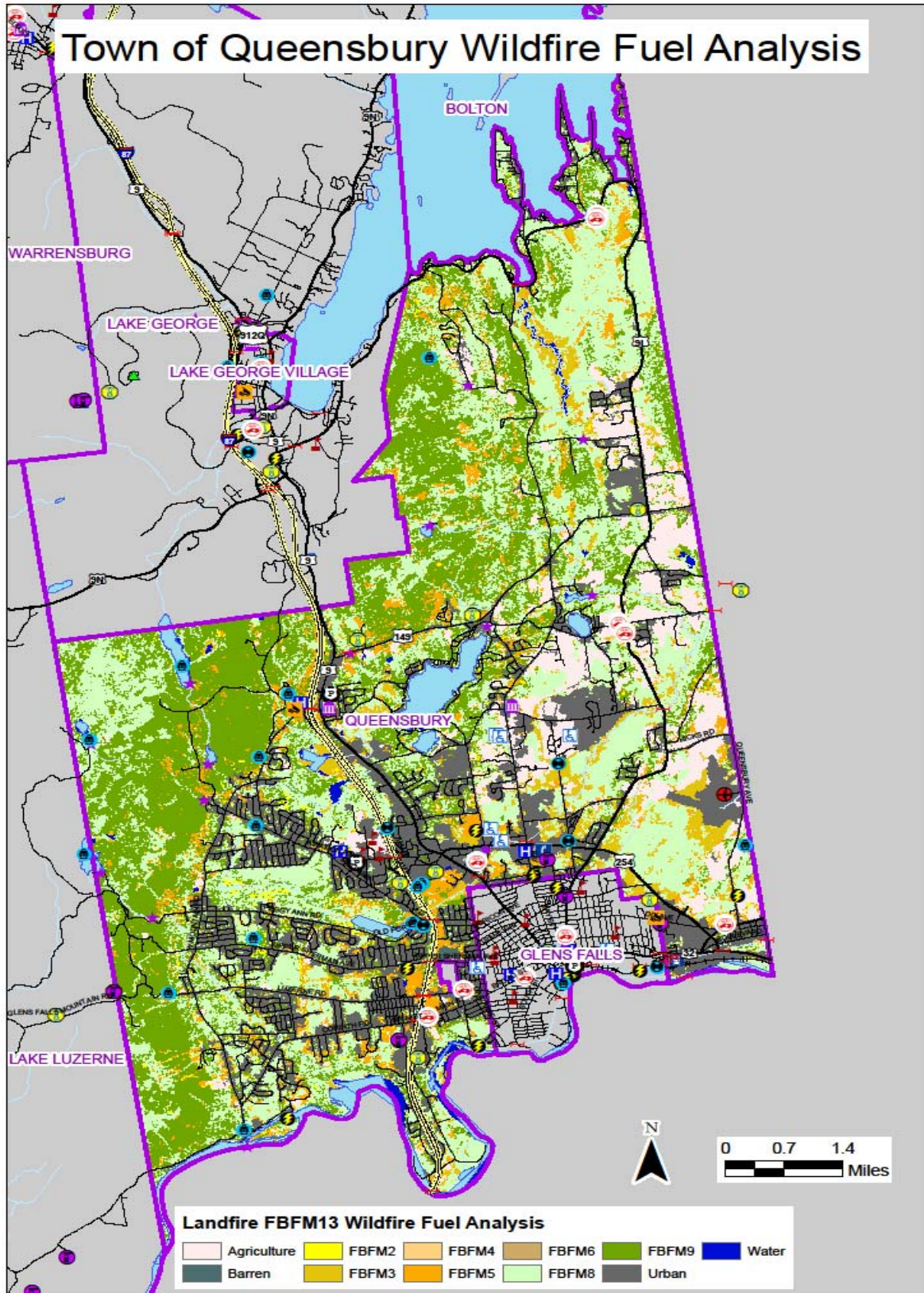
Hazard/Risk	Objective	Strategy	Estimate	Lead Agency	Date	Priority
Reduce impact of <b>floodings</b>	Eliminate Homer Avenue flooding	Stream culvert replacement, tributary to Halfway Brook	\$113,080	Town executive, county/local DPW,	Fall 2012 ST	M
	Improve Halfway Brook capacity	Sediment removal and culvert replacement	\$300,000			



# Town of Queensbury Critical Facilities

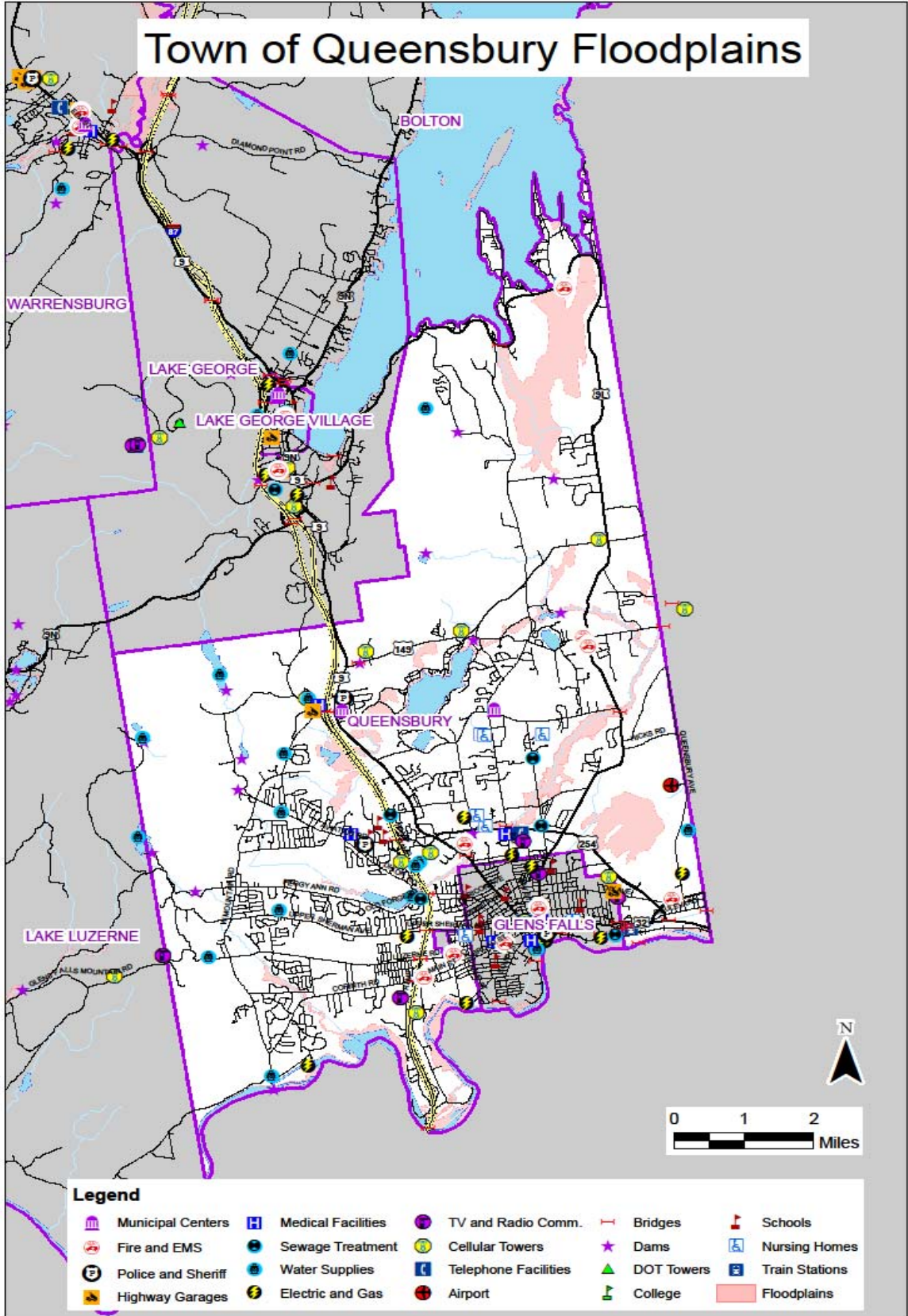


# Town of Queensbury Wildfire Fuel Analysis





# Town of Queensbury Floodplains



**TOWN OF QUEENSBURY FLOOD INVENTORY WORKSHEET**

Type of structure (occupancy class)	Number of Properties			Value of Properties		
	# in community	# in hazard area	% in hazard area	\$\$ in community	\$\$ in hazard area	% in hazard area
100	1		0%	\$3,900		0%
200	9,763	1059	11%	\$1,459,551,278	\$287,119,173	19.67%
300	179	45	25%	\$2,750,900	\$ 533,500	19%
400	597	50	8%	\$353,449,900	\$ 35,925,100	10.16%
500	54	23	43%	\$31,290,600	\$ 15,275,800	48.82%
600	67	8	12%	\$141,238,500	\$ 5,201,700	4%
700	23	3	13%	\$33,306,500	\$ 10,786,200	32%
800	37	7	19%	\$41,679,654	\$ 26,956,900	
900	6		0%	\$1,295,400		0%
<b>Total</b>	<b>10,727</b>	<b>1195</b>	<b>11%</b>	<b>\$2,064,566,632</b>	<b>\$381,798,373</b>	<b>18%</b>

Flood losses estimated at 50% of structures incurring 30% damage

\$ 57,269,756

Property Type Classification Code (Source – NYS Office of Real Property)

100 Agricultural – Property used for the production of crops or livestock	600 Community – Property used for the well being of the community
200 Residential – Property used for human habitation	700 Industrial – Property used for the production/fabrication of durable/nondurable manmade goods
300 Vacant – Property not in use, in temporary use, or lacks permanent improvement	800 Public – Property used to provide services to the general public
400 Commercial – Property used for the sale of goods and/or services	900 Wild, Conservation Lands, Public Parks – Reforested lands, preserves, private hunting/fishing clubs
500 Recreation – Property used by groups for recreation/amusement/entertainment	

**Value of Critical facilities at risk of Wildfire based upon proximity to heavily forested lands (< 100’ separation)**

COUNTY OF WARREN ANNEX	652	\$442,700	\$2,425,700	\$1,983,000	\$2,458,920	\$19,830	\$99,150	\$198,300
TOWN OF QUEENSBURY WATER DEPT	822	\$168,200	\$738,200	\$570,000	\$706,800	\$5,700	\$28,500	\$57,000
TOWN OF QUEENSBURY WATER DEPT	822	\$20,000	\$300,000	\$280,000	\$347,200	\$2,800	\$14,000	\$28,000
TOWN OF QUEENSBURY WATER DEPT	822	\$72,400	\$280,000	\$207,600	\$257,424	\$2,076	\$10,380	\$20,760
TOWN OF QUEENSBURY WATER DEPT	822	\$99,000	\$335,100	\$236,100	\$292,764	\$2,361	\$11,805	\$23,610

## Stony Creek

Population: 743

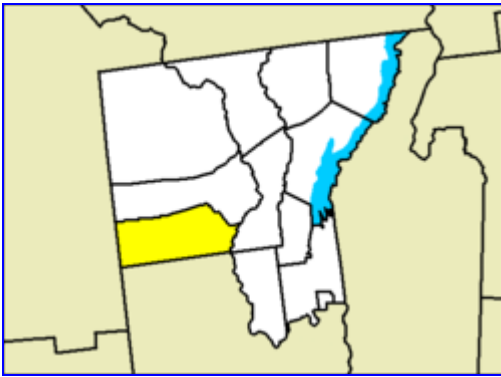
Population density: 9 people/sq.mile

Area: 83.2 sq. miles

Land: 82.4 sq.miles, Water: .8 sq.miles

Median Income: \$32,946

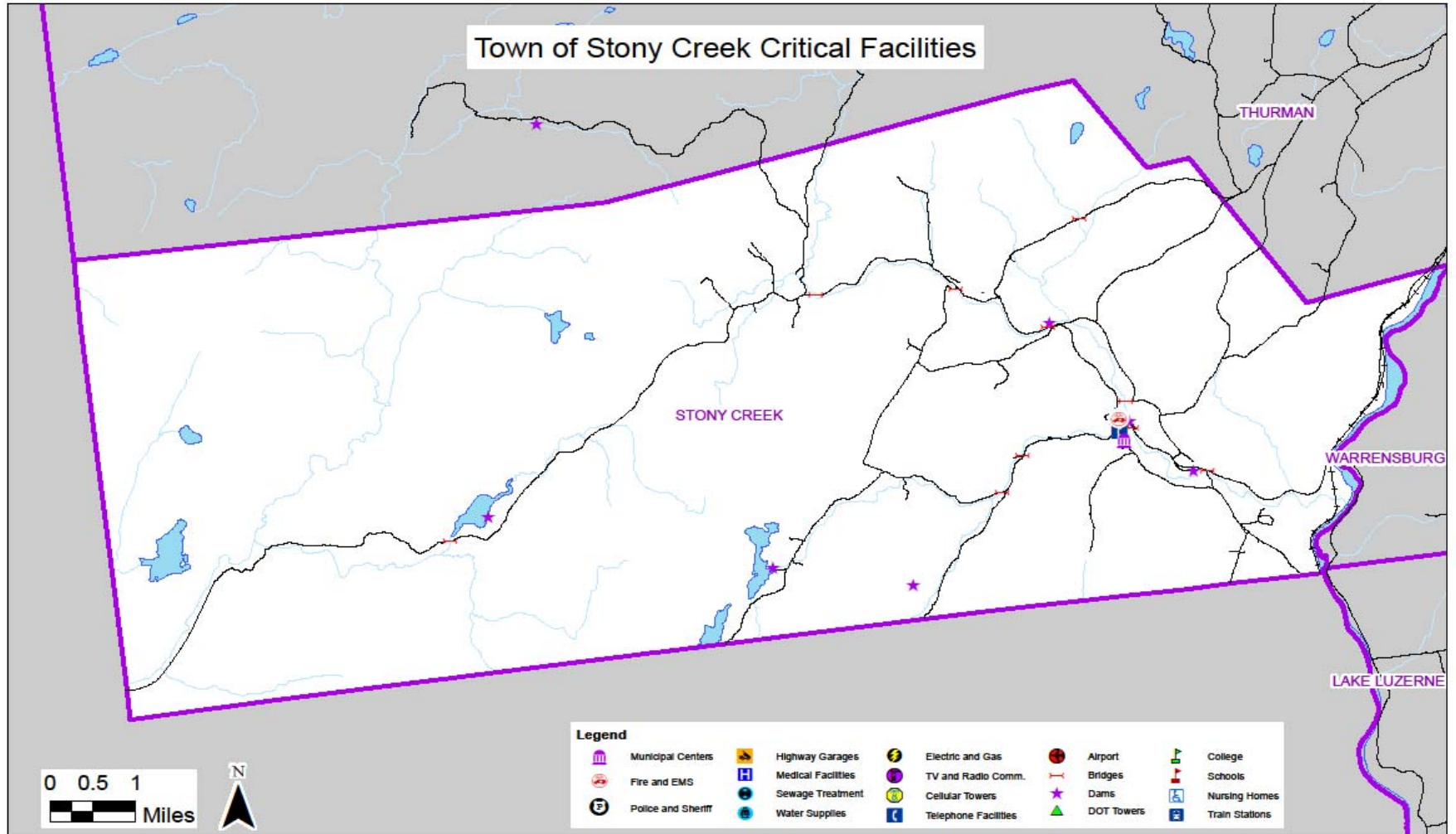
Below poverty level: 16.3%



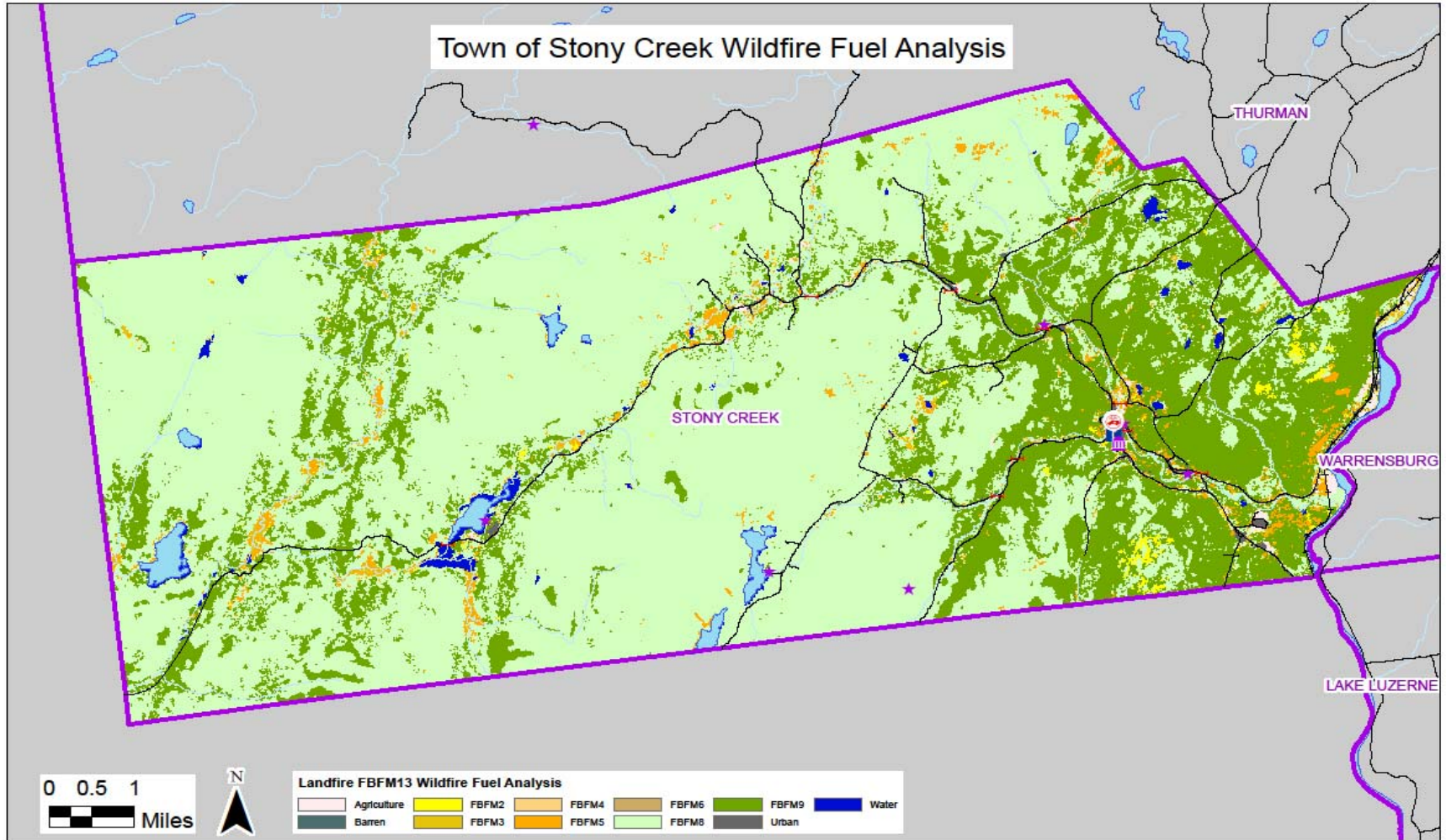
The Town of Stony Creek is in southwestern Warren County. Its southern border is Saratoga County, Hamilton County borders the west, with the Hudson River on the east. Located in the Adirondack Park, Wilcox and Echo Lakes are in the town.

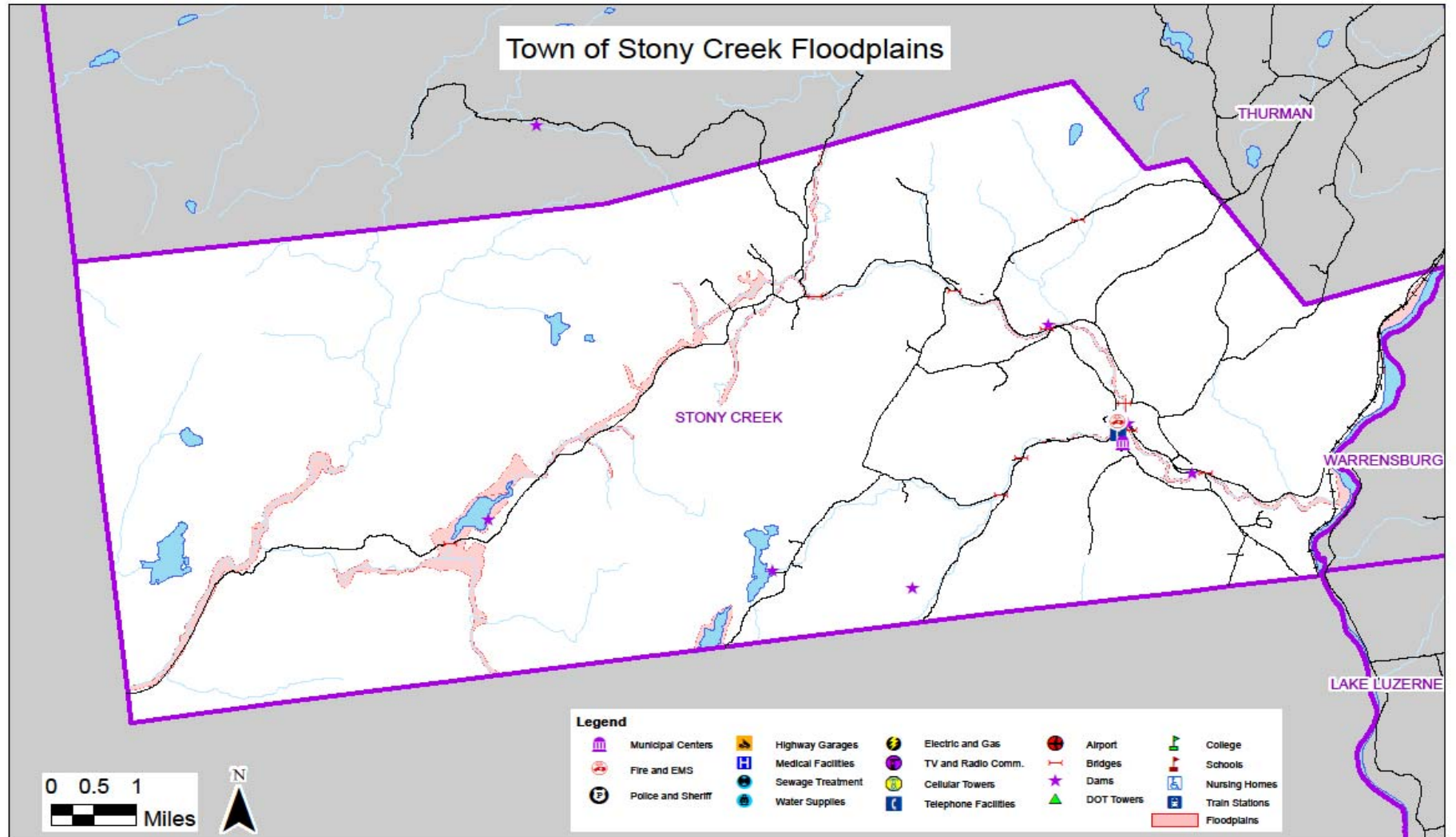
### Specific Mitigation Action:

Hazard/Risk	Objective	Strategy	Estimate	Lead Agency	Date	Priority
Reduce impact of <b>flooding</b>	Eliminate erosion of area around the bridge, washouts	Replace the Grist Mill Road Bridge	\$1.1 million	Town executive, county/local DPW,	Fall 2012 LT	L









**OF STONY CREEK FLOOD INVENTORY WORKSHEET**



Type of structure (occupancy class)	Number of Properties			Value of Properties
	# in community	# in hazard area	% in hazard area	\$\$ in community
100	-		0%	\$ -
200	460	122	27%	\$404,180
300	11	3	27%	\$570
400	8	3	38%	\$9,350
500	6	5	83%	\$24,600
600	10	3	30%	\$75,716
700	-		0%	\$0
800	1		0%	\$240
900	39	11	28%	\$19,130
<b>Total</b>	<b>535</b>	<b>147</b>	<b>27%</b>	<b>\$533,786</b>

Flood losses estimated at 50% of structures incurring 30% damage

Property Type Classification Code (Source – NYS Office of Real Property)

100 Agricultural – Property used for the production of crops or livestock	600 Community – Property used for the well being of the community
200 Residential – Property used for human habitation	700 Industrial – Property used for the production/fabrication of durable/nondurable manmade goods
300 Vacant – Property not in use, in temporary use, or lacks permanent improvement	800 Public – Property used to provide services to the general public
400 Commercial – Property used for the sale of goods and/or services	900 Wild, Conservation Lands, Public Parks – Reforested lands, preserves, private hunting/fishing clubs
500 Recreation – Property used by groups for recreation/amusement/entertainment	

**Value of Critical facilities at risk of Wildfire based upon proximity to heavily forested lands (< 100' separation)**

VOLUNTEER FIRE CO.INC.	662	\$130	\$1,690	\$1,560	\$156,016	\$16	\$78	\$156
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## Thurman

Population: 1,199

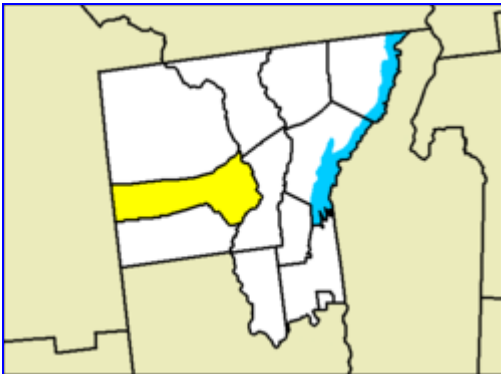
Population density: 13.1 people/sq.mile

Area: 92.8 sq. miles

Land: 91.3 sq.mile, Water: 1.5 sq.mile

Median Income: \$36,382

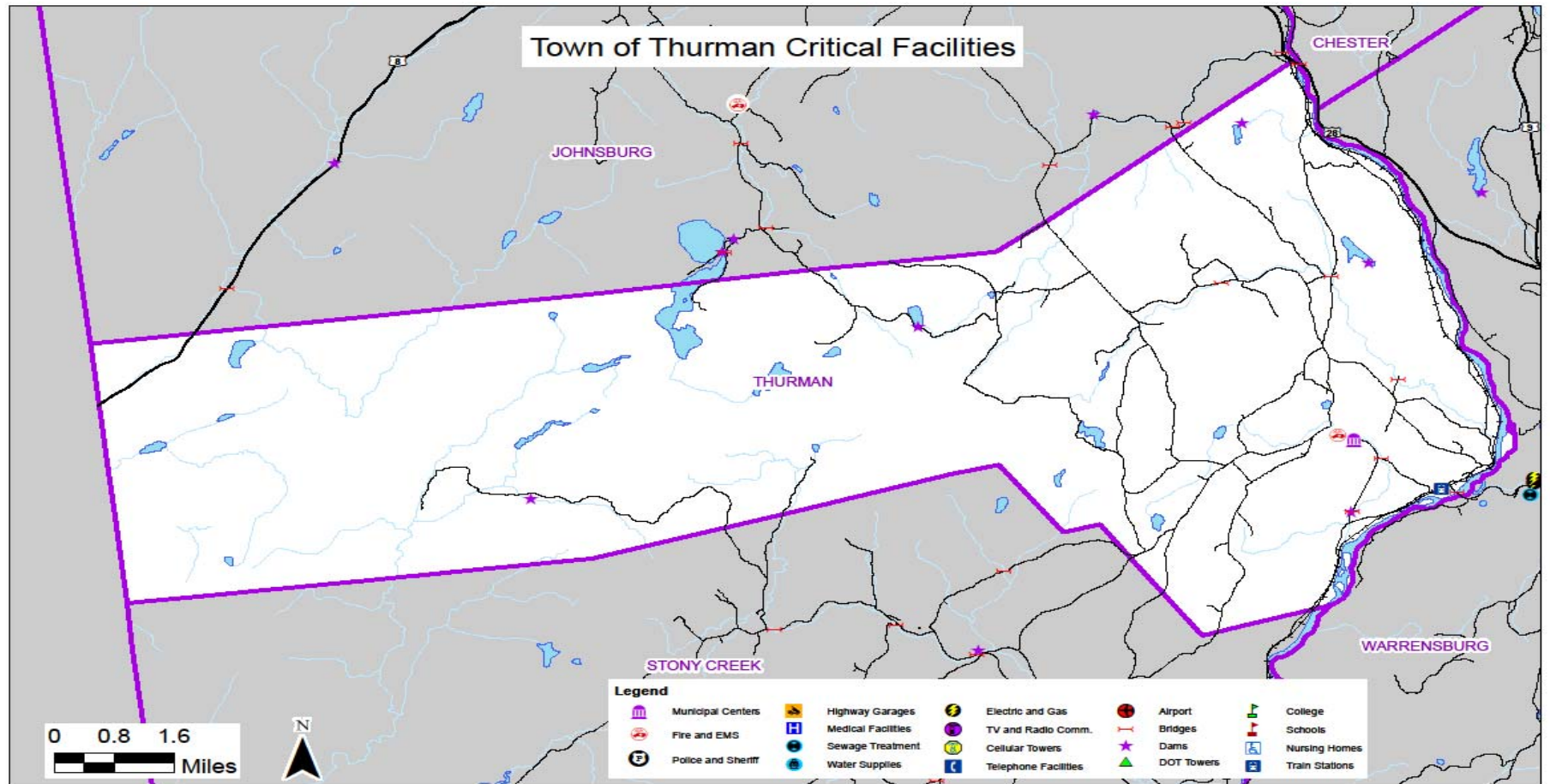
Below poverty level: 11.9

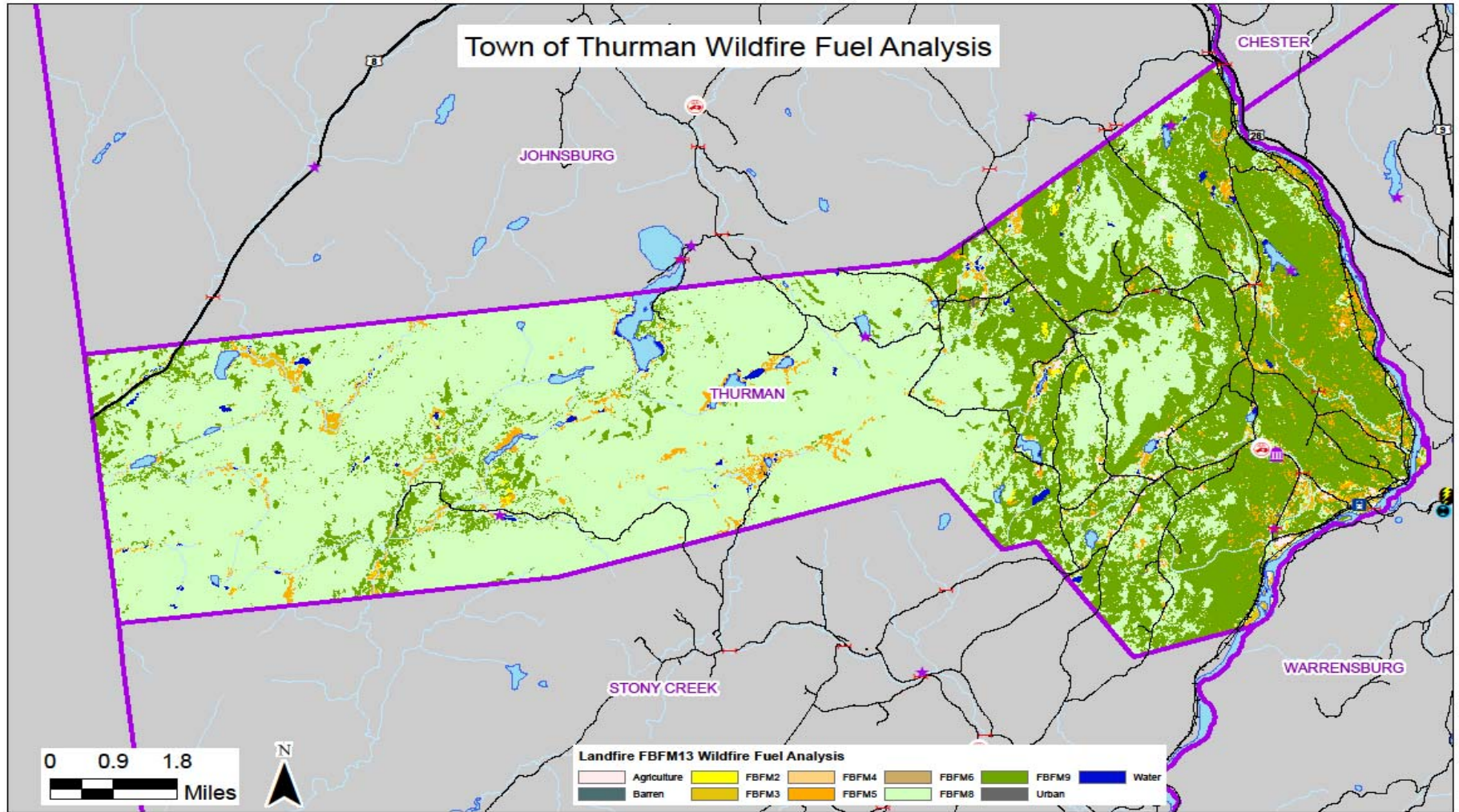


The Town of Thurman is located in western Warren County, along the border of Hamilton County. The Hudson River forms the eastern border. Thurman is located within the Adirondack Park.

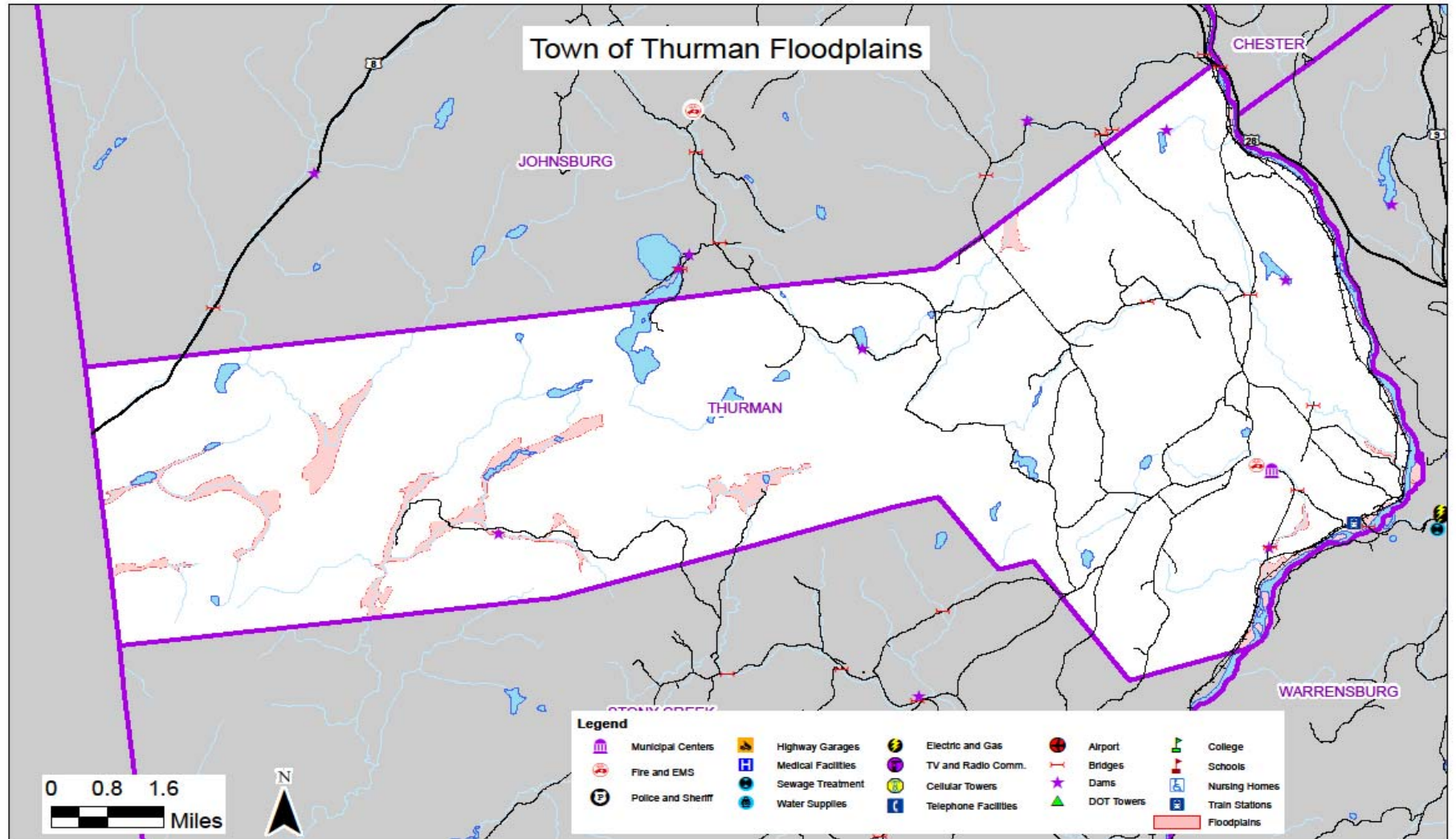
### Specific Mitigation Action:

Hazard/Risk	Objective	Strategy	Estimate	Lead Agency	Date	Priority
Reduce impact of <b>severe storms</b>	Eliminate trees/limbs as a threat to property/lives	Design program to regularly trim trees/limbs in storm areas to spare utilities and power grid	TBD*	Town executive, county/local DPW, GIS coordinator	Fall 2010 I	H









**TOWN OF THURMAN FLOOD INVENTORY WORKSHEET**

Type of structure (occupancy class)	Number of Properties			Value of Properties		
	in # community	# in hazard area	% in hazard area	\$\$ in community	\$\$ in hazard area	% in hazard area
100	1	1	100%	\$152,900	\$ 345,900	226%
200	621	34	5%	\$54,012,279	\$3,749,704	6.94%
300	41	7	17%	\$440,300	\$ 75,000	17%
400	8	3	38%	\$1,997,680	\$ 787,600	39.43%
500	2	1	50%	\$602,800	\$ 256,100	42.49%
600	11	4	36%	\$1,962,091	\$ 768,791	39%
700	-		0%	\$0		0%
800	1		0%	\$21,400		
900	9	2	22%	\$465,000	\$ 286,500	61.61%
<b>Total</b>	<b>693</b>	<b>52</b>	<b>8%</b>	<b>\$59,654,450</b>	<b>\$6,269,595</b>	<b>11%</b>

Flood losses estimated at 50% of structures incurring 30% damage

\$ 940,439

Property Type Classification Code (Source – NYS Office of Real Property)

100 Agricultural – Property used for the production of crops or livestock	600 Community – Property used for the well being of the community
200 Residential – Property used for human habitation	700 Industrial – Property used for the production/fabrication of durable/nondurable manmade goods
300 Vacant – Property not in use, in temporary use, or lacks permanent improvement	800 Public – Property used to provide services to the general public
400 Commercial – Property used for the sale of goods and/or services	900 Wild, Conservation Lands, Public Parks – Reforested lands, preserves, private hunting/fishing clubs
500 Recreation – Property used by groups for recreation/amusement/entertainment	

**Value of Critical facilities at risk of Wildfire based upon proximity to heavily forested lands (< 100’ separation)**

THURMAN VOLUNTEER FIRE CO. INC	662	\$7,300	\$193,700	\$186,400	\$205,040	\$1,864	\$9,320	\$18,640
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## Warrensburg

Population: 4,255

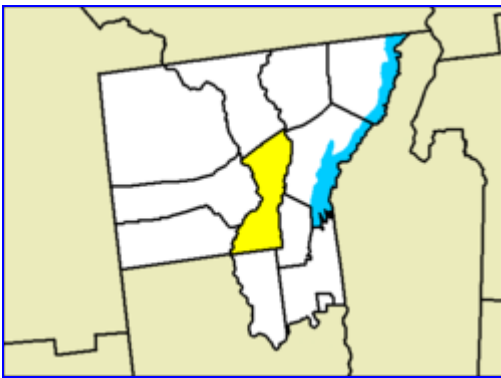
Population density: 66.8 people/sq.mile

Area: 64.8 sq. miles

Land: 63.7 sq.miles, Water: 1.1 sq.miles

Median Income: \$30,873

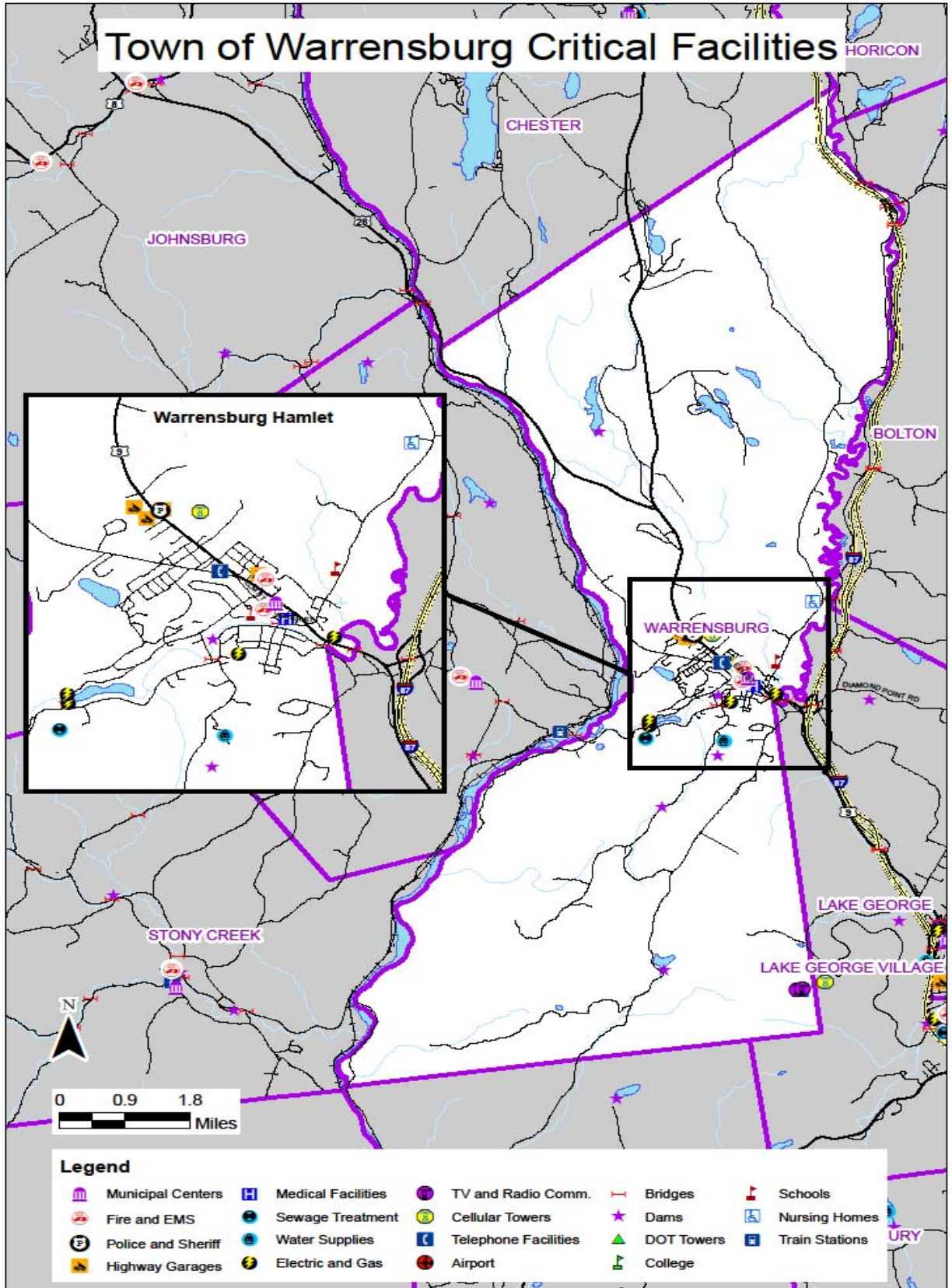
Below poverty level: 16.8 %



The Town of Warrensburg is centrally located in Warren County, with the western border the Hudson River. The Schroon River empties into the Hudson along this western borderline. Warrensburg is located within the Adirondack Park.

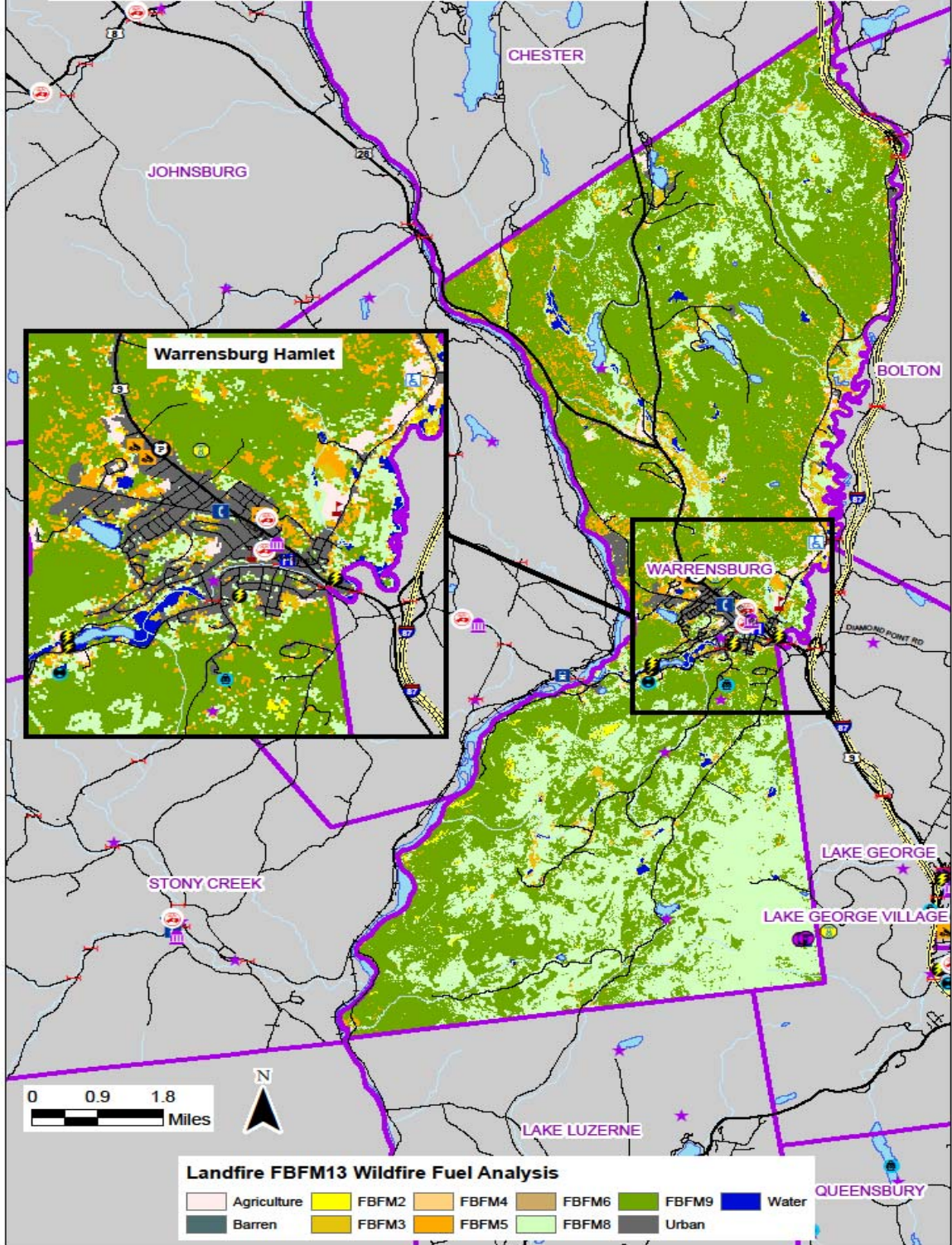
Specific Mitigation Action:

Hazard/Risk	Objective	Strategy	Estimate	Lead Agency	Date	Priority
Reduce impact of <b>flooding</b>	Eliminate road and bridge washout due to spring run-off/heavy summer rains	Raise the road and elevate the low lying bridge on Viele Pond Road	\$100,000	Town executive, county/local DPW,	Fall 2012 ST	M

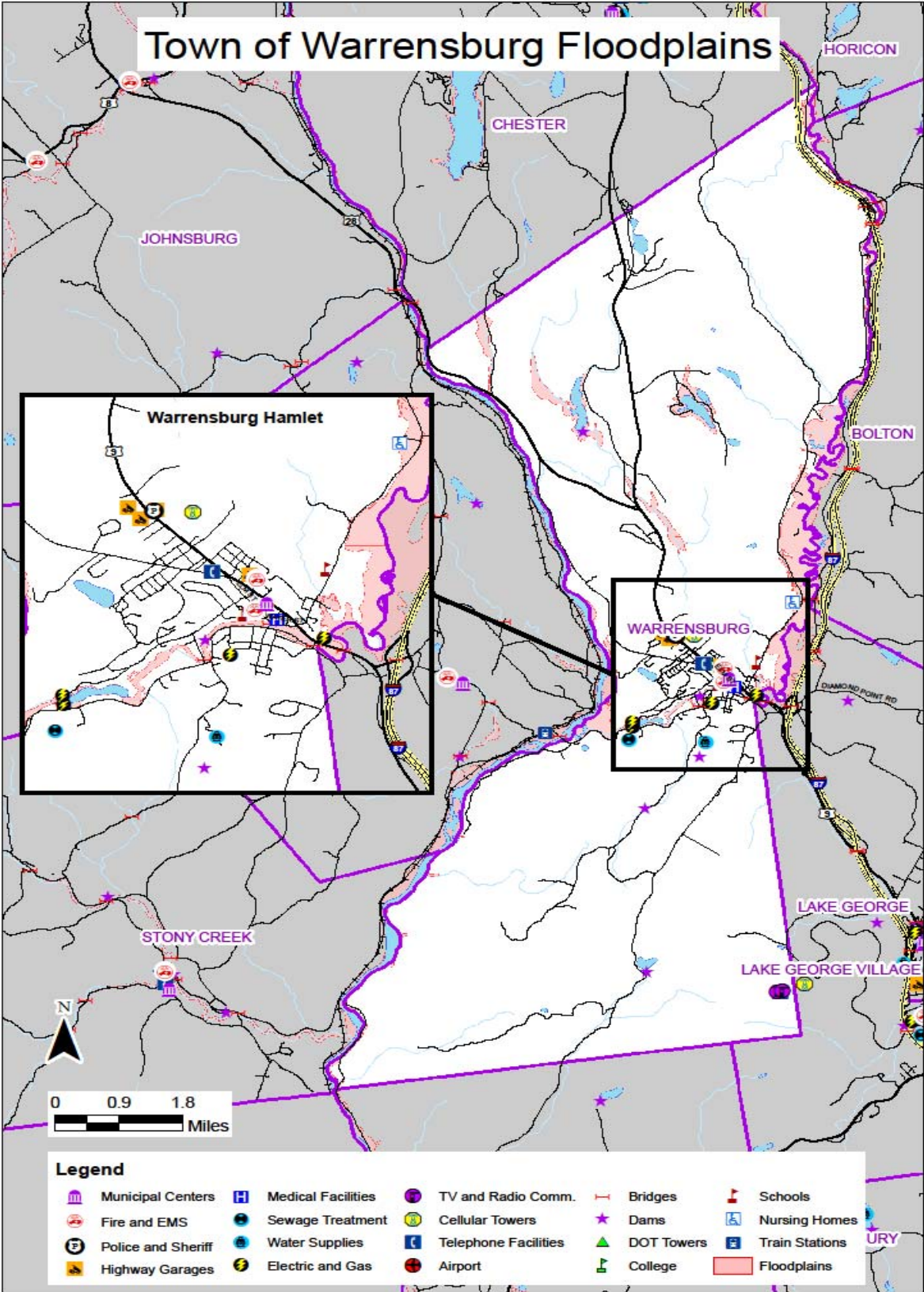




# Town of Warrensburg Wildfire Fuel Analysis ON







**TOWN OF WARRENSBURG FLOOD INVENTORY WORKSHEET**

Type of structure (occupancy class)	Number of Properties			Value of Properties		
	# in community	# in hazard area	% in hazard area	\$ in community	\$ in hazard area	% in hazard area
100	2		0%	\$549,100		0%
200	1,751	243	14%	\$170,892,320	\$22,069,800	12.91%
300	85	18	21%	\$1,376,700	\$ 196,600	14%
400	115	23	20%	\$24,102,000	\$ 3,440,500	14.27%
500	18	7	39%	\$6,825,000	\$ 4,310,100	63.15%
600	33	7	21%	\$32,994,600	\$13,188,300	40%
700	2	1	50%	\$1,235,600	\$ 1,114,100	90%
800	11	2	18%	\$6,235,004	\$ 2,407,500	
900	14		0%	\$673,500		0%
<b>Total</b>	<b>2029</b>	<b>301</b>	<b>15%</b>	<b>\$244,883,824</b>	<b>\$46,726,900</b>	<b>19%</b>

Flood losses estimated at 50% of structures incurring 30% damage

\$ 7,009,035

Property Type Classification Code (Source – NYS Office of Real Property)

100 Agricultural – Property used for the production of crops or livestock	600 Community – Property used for the well being of the community
200 Residential – Property used for human habitation	700 Industrial – Property used for the production/fabrication of durable/nondurable manmade goods
300 Vacant – Property not in use, in temporary use, or lacks permanent improvement	800 Public – Property used to provide services to the general public
400 Commercial – Property used for the sale of goods and/or services	900 Wild, Conservation Lands, Public Parks – Reforested lands, preserves, private hunting/fishing clubs
500 Recreation – Property used by groups for recreation/amusement/entertainment	

**Value of Critical facilities at risk of Wildfire based upon proximity to heavily forested lands (< 100’ separation)**

WARREN CO. ALMS HOUSE	633	\$142,000	\$2,196,700	\$2,054,700	\$2,157,435	\$20,547	\$102,735	\$205,470
TIME WARNER CABLE OPO	835	\$15,000	\$103,100	\$88,100	\$92,505	\$881	\$4,405	\$8,810
MCPHILLIPS ELIZABETH ETAL	837	\$15,000	\$120,000	\$105,000	\$110,250	\$1,050	\$5,250	\$10,500
NIAGARA MOHAWK POWER CORP	872	\$183,000	\$2,381,704	\$2,198,704	\$2,308,639	\$21,987	\$109,935	\$219,870
TOWN OF WARRENSBURG	853	\$46,300	\$975,000	\$928,700	\$975,135	\$9,287	\$46,435	\$92,870
MCPHILLIPS ELIZABETH A.	831	\$35,400	\$135,400	\$100,000	\$105,000	\$1,000	\$5,000	\$10,000
WATER DISTRICT	822	\$42,900	\$336,700	\$293,800	\$308,490	\$2,938	\$14,690	\$29,380

**City of Glens Falls**

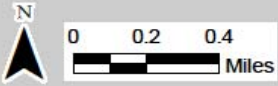
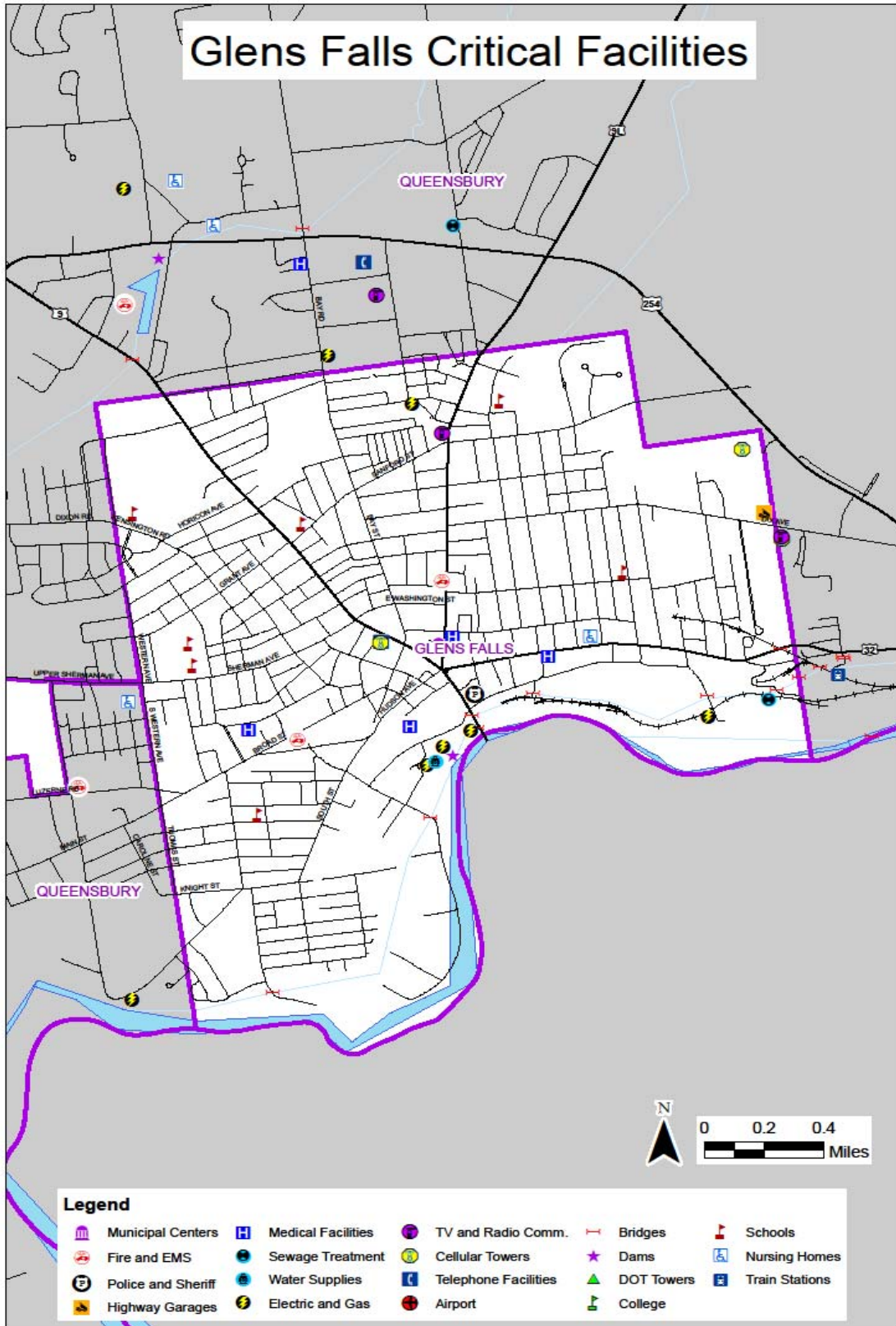
Population: 14,354  
 Population density: 3,752 people/sq.mile  
 Area: 3.9 sq. miles  
 Land: 3.8 sq.miles, Water: .1 sq.miles  
 Median Income: \$30,222  
 Below poverty level: 14.8 %

Specific Mitigation Action:

Hazard/Risk	Objective	Strategy	Estimate	Lead Agency	Date	Priority
Reduce impact of <b>flooding</b>	Reconstruction work. Narrow roadway with heavy traffic, heavy snowfall, creates dangerous conditions	Widen and rebuild Corinth Road	\$12.6 million	City executive, county/local DPW,	Fall 2012 LT	L

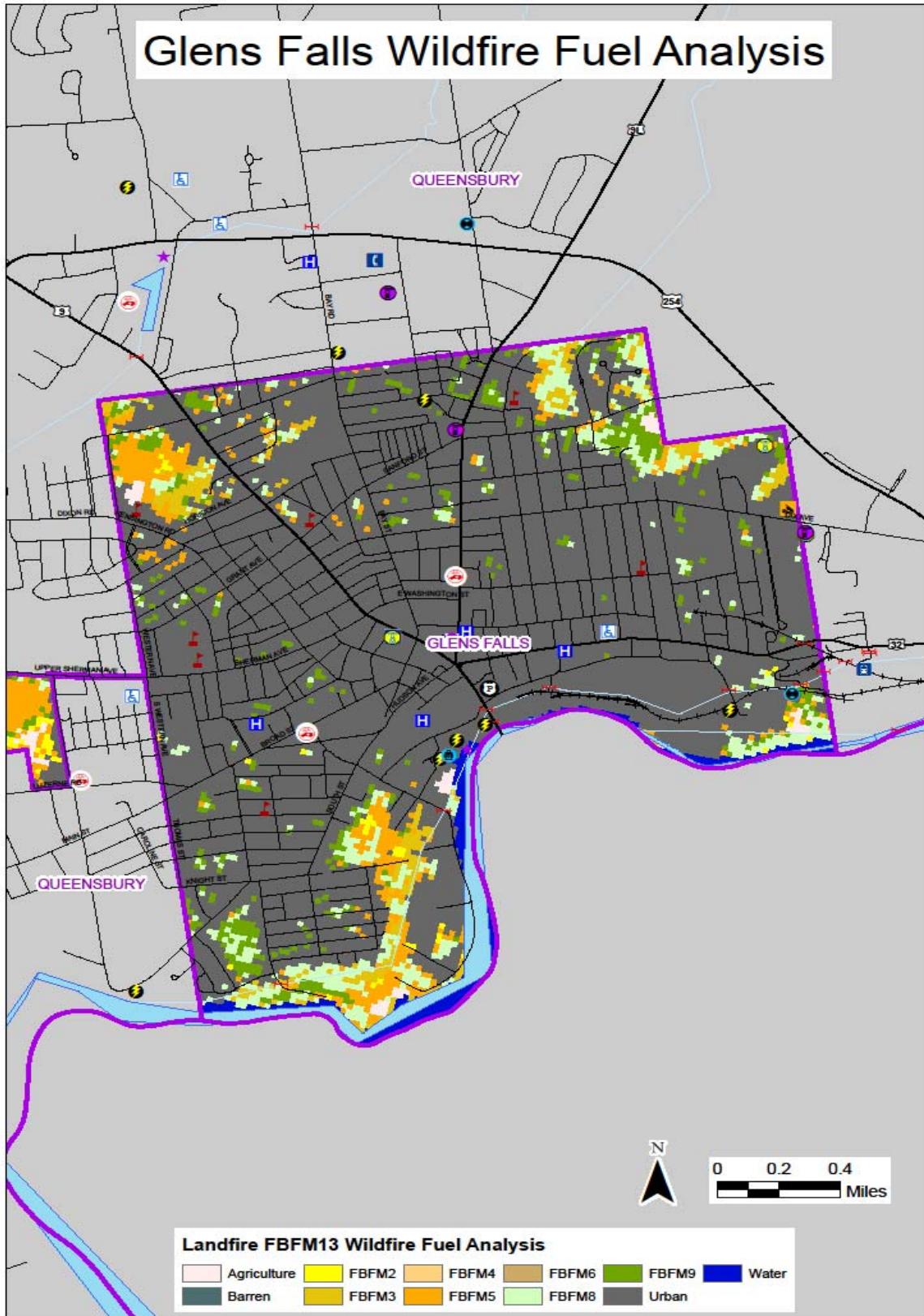


# Glens Falls Critical Facilities



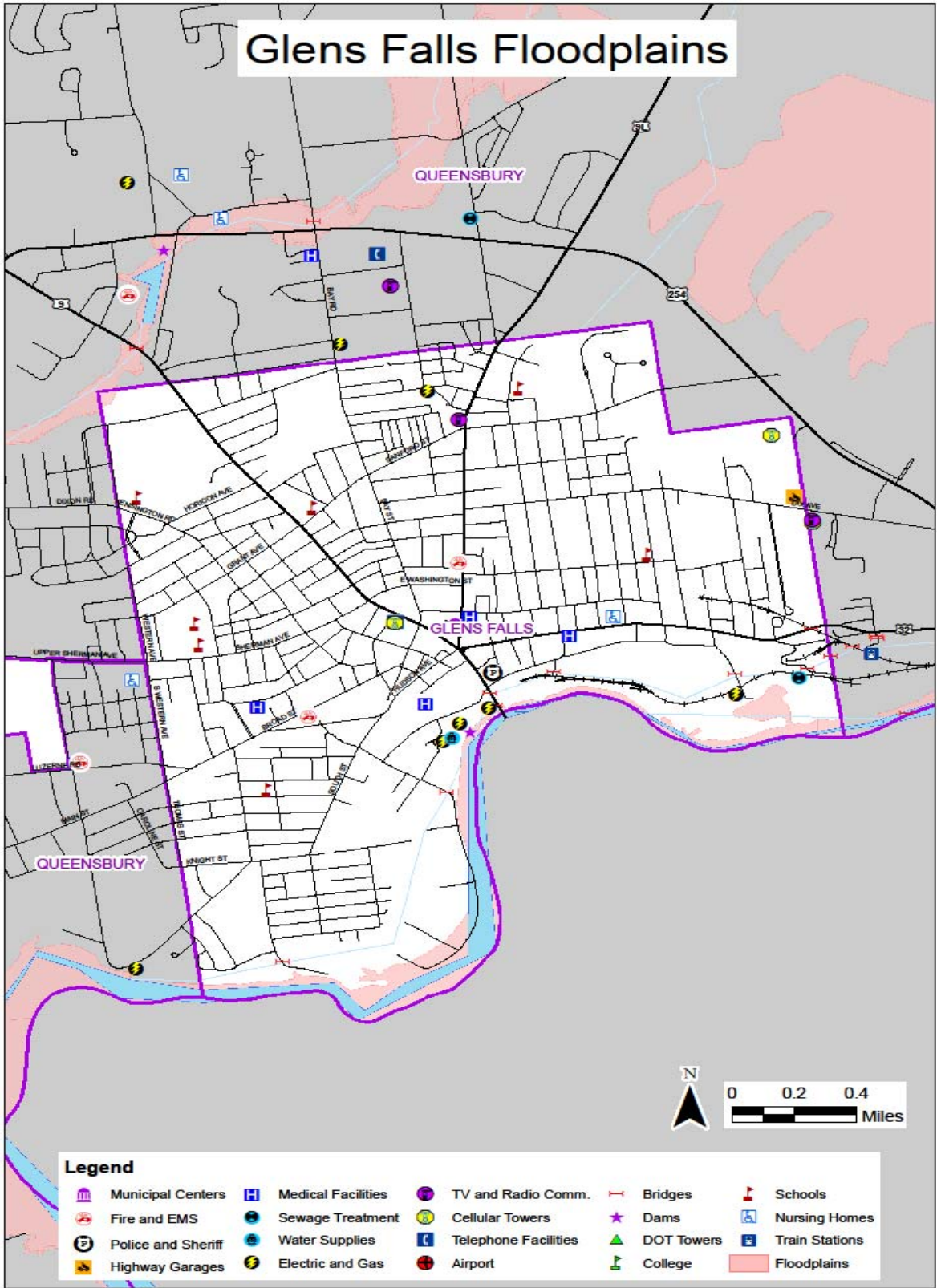
Legend					
	Municipal Centers		Medical Facilities		TV and Radio Comm.
	Fire and EMS		Sewage Treatment		Cellular Towers
	Police and Sheriff		Water Supplies		Telephone Facilities
	Highway Garages		Electric and Gas		Airport
	Bridges		Dams		Schools
	Nursing Homes		DOT Towers		Train Stations
	College				

# Glens Falls Wildfire Fuel Analysis





# Glens Falls Floodplains



Legend									
	Municipal Centers		Medical Facilities		TV and Radio Comm.		Bridges		Schools
	Fire and EMS		Sewage Treatment		Cellular Towers		Dams		Nursing Homes
	Police and Sheriff		Water Supplies		Telephone Facilities		DOT Towers		Train Stations
	Highway Garages		Electric and Gas		Airport		College		Floodplains

**CITY OF GLENS FALLS FLOOD INVENTORY WORKSHEET**

Type of structure (occupancy class)	Number of Properties			Value of Properties		
	# in community	# in hazard area	% in hazard area	\$\$ in community	\$\$ in hazard area	% in hazard area
100	-		0%	\$ -		0%
200	4,193		0%	\$365,210,280		0.00%
300	56	1	2%	\$571,700	\$ 300	0%
400	711	2	0%	\$178,802,625	\$ 3,577,700	2.00%
500	12	2	17%	\$15,829,600	\$ 1,883,000	11.90%
600	58		0%	\$149,091,900		0%
700	25	6	24%	\$78,629,536	\$40,134,425	51%
800	15	2	13%	\$12,301,342	\$ 4,626,100	
900	1		0%	\$89,900		0%
<b>Total</b>	<b>5071</b>	<b>13</b>	<b>0%</b>	<b>\$ 800,526,883</b>	<b>\$50,221,525</b>	<b>6%</b>

Flood losses estimated at 50% of structures incurring 30% damage

\$ 7,533,229

Property Type Classification Code (Source – NYS Office of Real Property)

100 Agricultural – Property used for the production of crops or livestock	600 Community – Property used for the well being of the community
200 Residential – Property used for human habitation	700 Industrial – Property used for the production/fabrication of durable/nondurable manmade goods
300 Vacant – Property not in use, in temporary use, or lacks permanent improvement	800 Public – Property used to provide services to the general public
400 Commercial – Property used for the sale of goods and/or services	900 Wild, Conservation Lands, Public Parks – Reforested lands, preserves, private hunting/fishing clubs
500 Recreation – Property used by groups for recreation/amusement/entertainment	

**Value of Critical facilities at risk of Wildfire based upon proximity to heavily forested lands (< 100’ separation)**

CITY OF GLENS FALLS	822	\$442,900	\$442,900	\$442,900	\$549,196	\$4,429	\$22,145	\$44,290
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The list on the following two pages denotes the value of all buildings/structures within each municipality (and the total for the county) with calculations to illustrate 1%, 5%, and 10% values in the three right-hand columns; these values are adjacent to the total value of structures in the jurisdiction. These values represent a 'degree of loss' subsequent to hazards affecting the jurisdiction such as winter storm(s), severe storm(s), tornado, and earthquake.

TOWN	Property Class General	PROPERTY TYPE	Total Structural Assessment	Total Properties with Structures	Subtotals	.01 of val.	5% of val.	10% of val.
GLENS FALLS	100	AGRICULTURAL	\$ -	-				
GLENS FALLS	200	RESIDENTIAL	\$ 365,210,280	4,193				
GLENS FALLS	300	VACANT	\$ 571,700	56				
GLENS FALLS	400	COMMERCIAL	\$ 178,802,625	711				
GLENS FALLS	500	RECREATION	\$ 15,829,600	12				
GLENS FALLS	600	COMMUNITY SERVICES	\$ 149,091,900	58				
GLENS FALLS	700	INDUSTRIAL	\$ 78,629,536	25				
GLENS FALLS	800	PUBLIC SERVICES	\$ 12,301,342	15				
GLENS FALLS	900	FOREST / PARKLANDS	\$ 89,900	1				
					\$800,526,883	\$ 8,005,269	\$ 40,026,344	\$ 80,052,688
BOLTON	100	AGRICULTURAL	\$ -	-				
BOLTON	200	RESIDENTIAL	\$ 337,155,700	2,176				
BOLTON	300	VACANT	\$ 1,311,500	67				
BOLTON	400	COMMERCIAL	\$ 41,289,000	102				
BOLTON	500	RECREATION	\$ 11,606,200	18				
BOLTON	600	COMMUNITY SERVICES	\$ 13,201,100	24				
BOLTON	700	INDUSTRIAL	\$ 5,800	1				
BOLTON	800	PUBLIC SERVICES	\$ 4,045,656	5				
BOLTON	900	FOREST / PARKLANDS	\$ 655,300	6				
					\$409,270,256	\$ 4,092,703	\$ 20,463,513	\$ 40,927,026
LAKE GEORGE VILLAGE	100	AGRICULTURAL	\$ -	-				
LAKE GEORGE VILLAGE	200	RESIDENTIAL	\$ 30,618,200	316				
LAKE GEORGE VILLAGE	300	VACANT	\$ 106,100	13				
LAKE GEORGE VILLAGE	400	COMMERCIAL	\$ 70,949,200	165				
LAKE GEORGE VILLAGE	500	RECREATION	\$ 4,252,600	9				
LAKE GEORGE VILLAGE	600	COMMUNITY SERVICES	\$ 11,625,100	19				
LAKE GEORGE VILLAGE	700	INDUSTRIAL	\$ -	-				
LAKE GEORGE VILLAGE	800	PUBLIC SERVICES	\$ 3,079,700	2				
LAKE GEORGE VILLAGE	900	FOREST / PARKLANDS	\$ -	-				
					\$120,630,900	\$ 1,206,309	\$ 6,031,545	\$ 12,063,090
LAKE GEORGE	100	AGRICULTURAL	\$ -	-				
LAKE GEORGE	200	RESIDENTIAL	\$ 232,431,875	1,677				
LAKE GEORGE	300	VACANT	\$ 719,500	60				
LAKE GEORGE	400	COMMERCIAL	\$ 88,769,600	254				
LAKE GEORGE	500	RECREATION	\$ 14,745,000	27				
LAKE GEORGE	600	COMMUNITY SERVICES	\$ 7,165,600	13				
LAKE GEORGE	700	INDUSTRIAL	\$ -	-				
LAKE GEORGE	800	PUBLIC SERVICES	\$ 4,042,733	9				
LAKE GEORGE	900	FOREST / PARKLANDS	\$ 1,144,300	6				
					\$349,018,608	\$ 3,490,186	\$ 17,450,930	\$ 34,901,861
CHESTER	100	AGRICULTURAL	\$ 1,211,600	2				
CHESTER	200	RESIDENTIAL	\$ 316,969,200	2,281				
CHESTER	300	VACANT	\$ 2,155,800	162				
CHESTER	400	COMMERCIAL	\$ 21,546,000	102				
CHESTER	500	RECREATION	\$ 5,602,900	16				
CHESTER	600	COMMUNITY SERVICES	\$ 39,792,600	30				
CHESTER	700	INDUSTRIAL	\$ 470,900	2				
CHESTER	800	PUBLIC SERVICES	\$ 402,000	6				
CHESTER	900	FOREST / PARKLANDS	\$ 757,100	20				
					\$388,908,100	\$ 3,889,081	\$ 19,445,405	\$ 38,890,810
HAGUE	100	AGRICULTURAL	\$ -	-				
HAGUE	200	RESIDENTIAL	\$ 116,413,587	930				
HAGUE	300	VACANT	\$ 1,658,490	78				
HAGUE	400	COMMERCIAL	\$ 6,029,000	28				
HAGUE	500	RECREATION	\$ 2,133,500	12				
HAGUE	600	COMMUNITY SERVICES	\$ 10,747,585	22				
HAGUE	700	INDUSTRIAL	\$ -	-				
HAGUE	800	PUBLIC SERVICES	\$ 360,500	7				
HAGUE	900	FOREST / PARKLANDS	\$ 316,300	14				
					\$137,658,962	\$ 1,376,590	\$ 6,882,948	\$ 13,765,896
HORICON	100	AGRICULTURAL	\$ 884,600	2				
HORICON	200	RESIDENTIAL	\$ 234,104,950	1,617				
HORICON	300	VACANT	\$ 957,600	127				
HORICON	400	COMMERCIAL	\$ 5,823,700	28				
HORICON	500	RECREATION	\$ 13,815,800	10				
HORICON	600	COMMUNITY SERVICES	\$ 2,526,600	14				
HORICON	700	INDUSTRIAL	\$ -	-				
HORICON	800	PUBLIC SERVICES	\$ 63,400	1				
HORICON	900	FOREST / PARKLANDS	\$ 363,400	8				
					\$258,540,050	\$ 2,585,401	\$ 12,927,003	\$ 25,854,005
JOHNSBURG	100	AGRICULTURAL	\$ -	-				
JOHNSBURG	200	RESIDENTIAL	\$ 4,334,692	1,762				
JOHNSBURG	300	VACANT	\$ 30,140	107				
JOHNSBURG	400	COMMERCIAL	\$ 657,450	96				
JOHNSBURG	500	RECREATION	\$ 20,100	5				
JOHNSBURG	600	COMMUNITY SERVICES	\$ 724,040	36				
JOHNSBURG	700	INDUSTRIAL	\$ 255,000	1				
JOHNSBURG	800	PUBLIC SERVICES	\$ 175,597	14				
JOHNSBURG	900	FOREST / PARKLANDS	\$ 355,100	28				
					\$ 6,552,119	\$ 65,521	\$ 327,606	\$ 655,212



LAKE LUZERNE	100	AGRICULTURAL	\$ -	-				
LAKE LUZERNE	200	RESIDENTIAL	\$ 189,510,200	1,782				
LAKE LUZERNE	300	VACANT	\$ 858,700	63				
LAKE LUZERNE	400	COMMERCIAL	\$ 11,426,850	76				
LAKE LUZERNE	500	RECREATION	\$ 4,536,500	17				
LAKE LUZERNE	600	COMMUNITY SERVICES	\$ 32,339,500	19				
LAKE LUZERNE	700	INDUSTRIAL	\$ 289,000	2				
LAKE LUZERNE	800	PUBLIC SERVICES	\$ 23,499,800	14				
LAKE LUZERNE	900	FOREST / PARKLANDS	\$ 186,000	3				
					\$262,646,550	\$ 2,626,466	\$ 13,132,328	\$ 26,264,655
QUEENSBURY	0		\$ 133,300	1				
QUEENSBURY	100	AGRICULTURAL	\$ 3,900	1				
QUEENSBURY	200	RESIDENTIAL	\$ 1,459,551,278	9,763				
QUEENSBURY	300	VACANT	\$ 2,750,900	179				
QUEENSBURY	400	COMMERCIAL	\$ 353,449,900	597				
QUEENSBURY	500	RECREATION	\$ 31,290,600	54				
QUEENSBURY	600	COMMUNITY SERVICES	\$ 141,238,500	67				
QUEENSBURY	700	INDUSTRIAL	\$ 33,306,500	23				
QUEENSBURY	800	PUBLIC SERVICES	\$ 41,679,654	37				
QUEENSBURY	900	FOREST / PARKLANDS	\$ 1,295,400	6				
					\$2,064,566,632	\$20,645,666	\$103,228,332	\$206,456,663
STONY CREEK	100	AGRICULTURAL	\$ -	-				
STONY CREEK	200	RESIDENTIAL	\$ 404,180	460				
STONY CREEK	300	VACANT	\$ 570	11				
STONY CREEK	400	COMMERCIAL	\$ 9,350	8				
STONY CREEK	500	RECREATION	\$ 24,600	6				
STONY CREEK	600	COMMUNITY SERVICES	\$ 75,716	10				
STONY CREEK	700	INDUSTRIAL	\$ -	-				
STONY CREEK	800	PUBLIC SERVICES	\$ 240	1				
STONY CREEK	900	FOREST / PARKLANDS	\$ 19,130	39				
					\$ 533,786	\$ 5,338	\$ 26,689	\$ 53,379
THURMAN	0		\$ 345,900	1				
THURMAN	100	AGRICULTURAL	\$ 152,900	1				
THURMAN	200	RESIDENTIAL	\$ 54,012,279	621				
THURMAN	300	VACANT	\$ 440,300	41				
THURMAN	400	COMMERCIAL	\$ 1,997,680	8				
THURMAN	500	RECREATION	\$ 602,800	2				
THURMAN	600	COMMUNITY SERVICES	\$ 1,962,091	11				
THURMAN	700	INDUSTRIAL	\$ -	-				
THURMAN	800	PUBLIC SERVICES	\$ 21,400	1				
THURMAN	900	FOREST / PARKLANDS	\$ 465,000	9				
					\$ 59,654,450	\$ 596,545	\$ 2,982,723	\$ 5,965,445
WARRENSBURG	100	AGRICULTURAL	\$ 549,100	2				
WARRENSBURG	200	RESIDENTIAL	\$ 170,892,320	1,751				
WARRENSBURG	300	VACANT	\$ 1,376,700	85				
WARRENSBURG	400	COMMERCIAL	\$ 24,102,000	115				
WARRENSBURG	500	RECREATION	\$ 6,825,000	18				
WARRENSBURG	600	COMMUNITY SERVICES	\$ 32,994,600	33				
WARRENSBURG	700	INDUSTRIAL	\$ 1,235,600	2				
WARRENSBURG	800	PUBLIC SERVICES	\$ 6,235,004	11				
WARRENSBURG	900	FOREST / PARKLANDS	\$ 673,500	14				
					\$244,883,824	\$ 2,448,838	\$ 12,244,191	\$ 24,488,382
COUNTY			\$ 5,103,870,320	33,573		\$51,038,703	\$255,193,516	\$510,387,032

# Friends of the North Country, Inc.

*A community group dedicated to development and preservation*

Scott Campbell, Executive Director

1 Mill Street, P.O. Box 446, Keeseville, New York

Phone (518) 834-9606

Fax (518) 834-9687

October 28, 2008

Arlene Mayer

Clerk, Town of Horicon

PO Box 90

Brant Lake, NY 12815

Re: Warren County Multi-Jurisdictional Hazard Mitigation Plan Public Meeting Notice

Dear Arlene Mayer:

Warren County has contracted with Friends of the North Country, Inc. to assist in the drafting of a Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan (the Plan) according to State Emergency Management Office (SEMO) and Federal Emergency Management Agency (FEMA) guidelines. The Plan is being developed for Warren County and all municipalities therein to protect life and property in the event of disaster and to ensure that all jurisdictions maintain eligibility for future FEMA and SEMO grant funding.

Local participation in the planning process is important for the development of a meaningful and actionable hazard mitigation plan and is also a key factor that both SEMO and FEMA to consider when reviewing the Plan for approval. Local public meetings are scheduled as follows:

**Tuesday, November 18 at 10AM, Warren County Sheriff's Office Training Center**  
**1400 State Route 9, Lake George, NY**  
**and again at 2PM, Chestertown Town Hall (the old school)**  
**Chestertown, NY**

Both of the scheduled meetings have the same agenda and goals: introduce the hazard mitigation planning process as mandated by State and Federal regulations; to facilitate broad-based public participation; and to foster coordination among Warren County's municipalities, agencies, and organizations to address hazard mitigation.

Please find attached a Warren County Multi-Jurisdictional Hazard Mitigation Plan Public meeting notice.

We are asking Town Clerk staff to please post the enclosed notice in a public space; your assistance is very much appreciated.

If you have any questions or concerns, please contact Scott Campbell, Executive Director, Friends of the North Country at 834-9606.

Sincerely,

Scott Campbell  
Executive Director

***The Warren County Office of Emergency Services,  
Warren County Board of Supervisors,  
and Friends of the North Country, Inc.***

INVITE YOU TO ATTEND ONE OF TWO

**PUBLIC MEETINGS - TUESDAY NOVEMBER 18**

**at 10AM**, Warren County Sheriff's Office Training Center  
1400 State Route 9, Lake George, NY

**\*\*\*\*\* OR \*\*\*\*\***

**at 2PM**, Chestertown Town Hall (the old school)  
Chestertown, NY

*(Need directions or have questions? Call (518)761-6490*

**This is an opportunity for public input  
and comments on the development of the**

***WARREN COUNTY***

***PRE-DISASTER MULTI-JURISDICTIONAL  
ALL-HAZARD MITIGATION PLAN***

This Plan will address natural disasters likely to affect the County & communities within by analyzing the hazards most threatening to the region, defining general mitigation goals, and outlining specific objectives. The Plan, which is to be submitted to State and Federal Emergency Management authorities, will ensure compliance with new state and federal hazard mitigation guidelines and maintain community eligibility for future disaster-related funding.

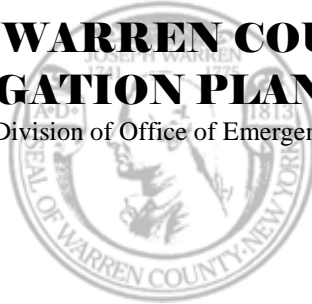


**WARREN COUNTY  
HAZARD MITIGATION PLANNING COMMITTEE**

Division of Office of Emergency Services

1340 State Route 9  
Lake George, NY 12845

Telephone: 518-761-6240  
Fax : 518-761-6402  
oes@co.warren.ny.us



October 28, 2008

«First\_Name» «Last\_Name», «Title», «Company\_Name»  
«Address\_Line\_1»  
«City», «State» «ZIP\_Code»

Re: Warren County Multi-Jurisdictional Hazard Mitigation Plan

Dear «First\_Name»:

Warren County has contracted with Friends of the North Country, Inc. to assist in developing a Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan (the Plan) according to NYS Emergency Management Office (SEMO) and Federal Emergency Management Administration guidelines. The Plan is being developed to aid Warren County and its municipalities to protect lives and property in the event of disaster and to ensure that all jurisdictions maintain eligibility for future FEMA and SEMO grant funding opportunities. Natural hazards such as floods, tornadoes, earthquakes, severe storms, and wildfires along with other hazards will be the hazard events examined through this process.

Local participation in the planning process is important for the development of a meaningful and actionable mitigation plan. Demonstrated local participation is also a key factor that both SEMO and FEMA consider when reviewing the Plan for approval. Therefore, we encourage you to participate in the data collection process by attending either one of two local mitigation planning meetings scheduled:

**Tuesday, November 18**  
**at 10AM, Warren County Sheriff's Office Training Center,**  
**1400 State Route 9, Lake George, NY**  
~~~~~ **OR** ~~~~~  
**at 2PM, Chestertown Town Hall (the old school)**  
**Chestertown, NY**

Both meetings have the same basic goals: to introduce the hazard mitigation planning process (as mandated by State and Federal regulations), to facilitate broad-based public participation, and to foster coordination among Warren County municipalities, agencies, and organizations to identify hazards and address hazard mitigation. Please plan to attend the meeting that is most convenient.

Please notify all appropriate local offices (code enforcement, sanitation, public health, public works, economic development, fire and rescue, etc) of these meetings. All participation is highly valued.

Databases summarizing Warren County's hazard event history and critical facilities are currently under construction and soon work will begin on the development of hazard profile maps. However, the data required is extensive and is still being sought. Friends of the North Country is asking for all available assistance with the data collection process. If possible, Friends requests that local officials bring to the meeting any data or material regarding:

- 1) specific past hazard events (location, duration, and economic impact);
- 2) critical facilities information (type, location, possible replacement costs);
- 3) existing hazard mitigation initiatives or plans; and
- 4) ideas for future mitigation initiatives.

Enclosed please find two worksheets for your use: one to list critical facility information, and one to list past hazard event information. We also encourage you to refer key informants, agencies or any other resources as you feel appropriate to attend either meeting, and/or to forward information to:

Friends of the North Country, Inc.  
1 Mill Street, PO Box 446  
Keeseville, NY 12944

This meeting notice is being sent to Town Supervisors, Village Mayors, and key agencies and departments throughout the County as your input and collaboration is essential for both hazard data collection and mitigation planning alike.

Friends of the North Country staff will contact you by phone regarding meeting attendance, data requirements, potential local mitigation projects, and to address any questions or concerns you may have about the mitigation planning process. Thank you in advance for your time and participation.

Please direct any information that you are providing to assist with development of the Plan to Friends, and if you have any questions or concerns,

Contact: Scott Campbell,  
Executive Director, Friends of the North Country  
518-834-9606.

E-Mail: [scampbell@friendsofthenorthcountry.org](mailto:scampbell@friendsofthenorthcountry.org)

Sincerely,

**Amy Manney**

**Warren County Office of Emergency Services, Deputy Director,  
Traffic Safety & STOP-DWI Coordinator**

Enclosures

## Warren County – Critical Facilities

| Municipality | Critical Facility                                                                                | Location | Asset Dollar Value                  |
|--------------|--------------------------------------------------------------------------------------------------|----------|-------------------------------------|
|              | Hospital, school, public building, shelter, dams, fire station, police station, fuel depot, etc. |          | Tax assessment or estimate of value |
|              |                                                                                                  |          |                                     |
|              |                                                                                                  |          |                                     |
|              |                                                                                                  |          |                                     |
|              |                                                                                                  |          |                                     |
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|              |                                                                                                  |          |                                     |
|              |                                                                                                  |          |                                     |
|              |                                                                                                  |          |                                     |
|              |                                                                                                  |          |                                     |
|              |                                                                                                  |          |                                     |



## Warren County - Hazard History

| ID | Description of Event | Area(s) Affected | Date of Onset | State-of-Emerg. Declared ? | Duration | Grant Assistance | Total cost to County | # deaths | # injuries | Source of Info |
|----|----------------------|------------------|---------------|----------------------------|----------|------------------|----------------------|----------|------------|----------------|
|    |                      |                  |               |                            |          |                  |                      |          |            |                |
|    |                      |                  |               |                            |          |                  |                      |          |            |                |
|    |                      |                  |               |                            |          |                  |                      |          |            |                |
|    |                      |                  |               |                            |          |                  |                      |          |            |                |
|    |                      |                  |               |                            |          |                  |                      |          |            |                |

Please write in any information that you are aware of – if not known, leave blank, or enter “unknown”. All information is helpful!  
 Feel free to make copies if needed.

# Friends of the North Country, Inc.

*A community group dedicated to development and preservation*

Scott Campbell, Executive Director

1 Mill Street, P.O. Box 446, Keeseville, New York

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Phone (518) 834-9606

Fax (518) 834-9687

## **WARREN COUNTY OFFICE OF EMERGENCY SERVICES**

### **PRE-DISASTER MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN**

#### **MEETING AGENDA**

- Welcome and Introductions- facilitators and attendees.
- Slide Presentation – NY State Emergency Management Office personnel
- Hazard Mitigation Grant Program overview
  - Organize the Planning Process
  - Assess Hazard Risks
  - Develop Mitigation Strategy
  - Maintain the Plan
- Input from attendees
- Discussion and Questions

The meeting will be as brief as possible - we anticipate no more than two hours.

The morning and afternoon agendas are the same.

Please plan to attend whichever is most convenient for you.

The forms attached to the invitation letter are for your convenience to transmit any information that you can about past natural hazards (floods, severe storms, earthquakes, landslides, etc.), and critical facilities (hospitals, essential municipal government buildings, police and fire stations, communications and electrical infrastructure/substations, etc.)

Hazard Rankings are based on the HAZNY rating system.

- 321 – 400 High Hazard
- 241 - 320 Moderately High Hazard
- 161 - 240 Moderately Low Hazard
- 44 - 160 Low Hazard

**2007 Warren County Hazard Analysis Results**

- 302 Flood
- 296 Dam Failure
- 273 Hazmat - Transit
- 259 Transportation Accident
- 257 Ice Storms
- 250 Severe Storm
- 245 Winter Storm
- 243 Wildfire
- 243 Fire
- 231 Utility Failure
- 207 Terrorism
- 196 Tornado
- 190 Extreme Temperatures
- 188 Ice Jam
- 186 Epidemic
- 181 Earthquake
- 166 Landslide
- 162 HazMat - Fixed Location
- 158 Explosion
- 158 Structural Collapse
- 152 Water Supply Contamination
- 144 Infestation
- 144 Oil Spill
- 108 Drought

# Appendix A – Kick-off Meetings

*all on pg 1* 2

Warren County Haz-Mit Meeting 11/18/08 10AM/2PM

|                    | First Name                 | Last Name         | Organization                   | Address Line 1                   | Town/City      | State | ZIP Code | Email-Phone/Signature                           |
|--------------------|----------------------------|-------------------|--------------------------------|----------------------------------|----------------|-------|----------|-------------------------------------------------|
|                    |                            |                   | New York State Police          | 653 Bay Road                     | Queensbury     | NY    | 12804    |                                                 |
|                    |                            |                   | NYS Dept. of En Con., Reg. 5   | PO Box 220, 232 Golf Course Road | Warrensburg    | NY    | 12885    |                                                 |
| Chief              | Jarrett                    | Brown             | Wevertown Vol. Fire Co.        | St Rt. 8, PO Box 76              | Wevertown      | NY    | 12886    |                                                 |
| Clerk              | Darlen                     | Gunther           | Village of Lake George         | PO Box 791                       | Lake George    | NY    | 12845    |                                                 |
| Director           | Candy                      | Kelly             | Office of the Aging            | 1340 State Rt. 9                 | Lake George    | NY    | 12845    |                                                 |
| Assistant Engineer | George                     | Van Duesen        | DPW                            | 4028 Main Street                 | Warrensburg    | NY    | 12885    |                                                 |
| Director           | Pat                        | Auer              | Warren Co. Public Health       | 1340 State Rt 9                  | Lake George    | NY    | 12845    |                                                 |
| Chief              | Jeff                       | Baertschi         | North Queensbury Vol. Fire Co. | 19 Holly Lane                    | Lake George    | NY    | 12845    |                                                 |
| Chief              | James                      | Barber            | Lake George Vol. Fire Co.      | 218 Middle Road                  | Lake George    | NY    | 12845    |                                                 |
| Supervisor         | Dan                        | Belden            | Town of Hague                  | PO Box 509                       | Hague          | NY    | 12836    |                                                 |
| Supervisor         | Ralph                      | Bentley           | Town of Horicon                | PO Box 90, 6604 NYS Rte. 8       | Brant Lake     | NY    | 12815    |                                                 |
| Mayor              | Robert                     | Blais             | Village of Lake George         | PO Box 791                       | Lake George    | NY    | 128455   |                                                 |
|                    | Neil                       | Bradley           | Town of Stony Creek Highway    | PO Box 96, 52 Hadley Road        | Stony Creek    | NY    | 12878    |                                                 |
| Chief              | Jeremy                     | Bradway           | Thurman Vol. Fire Co.          | 15 Hudson Strret, Apt. 3         | Warrensburg    | NY    | 12885    |                                                 |
|                    | John                       | Bulova            | Glens Falls Hospital           | 100 Park Street                  | Glens Falls    | NY    | 12801    |                                                 |
| Admin.             | <i>Andy Caruso</i><br>Mary | <del>Gahill</del> | Lake George CSD                | 381 Canada Street                | Lake George    | NY    | 12845    | <i>608-5452</i><br><i>caruso@lakegeorge.org</i> |
| Admin.             | Raymond                    | Cicarelli         | Bolton Central School          | 26 Horicon Avenue                | Bolton Landing | NY    | 12814    |                                                 |
|                    | Gary                       | Clark             | Town of Chester Highway Dept.  | PO Box 423                       | Chestertown    | NY    | 12817    |                                                 |
|                    | Dan                        | Clute             | Town of Lake Luzerne Highway   | PO Box 370                       | Lake Luzerne   | NY    | 12846    |                                                 |
| Chief              | Frederick                  | Comstock          | Garnet Lake Vol. Fire Co.      | 11 Park Rd                       | Johnsburg      | NY    | 12843    |                                                 |

# Appendix A – Kick-off Meetings

Warren County Haz-Mit Meeting 11/18/08 10AM/2PM

|                          |                      |            |                                     |                                 |                |    |       |                                                    |
|--------------------------|----------------------|------------|-------------------------------------|---------------------------------|----------------|----|-------|----------------------------------------------------|
|                          | Tim                  | Coon       | Town of Bolton Highway              | PO Box 698, 4949 Lake Shore Dr. | Bolton Landing | NY | 12814 |                                                    |
| Clerk                    | Robert               | Curtis     | City of Glens Falls                 | 42 Ridge Street                 | Glens Falls    | NY | 12801 |                                                    |
| Manager                  | <i>Don</i><br>Dagraw | Dagraw     | Floyd Bennett Mem. Airport          | 443 Queensbury Avenue Rm 201    | Queensbury     | NY | 12804 | <i>792-5995</i><br><i>ddegraw@warrencounty.org</i> |
| Reg. Emer. Manager       | Kent                 | Destefans  | NYS DOT                             | 16 Maple Road                   | Voorheesville  | NY | 12186 |                                                    |
| Mayor                    | Jack                 | Diamond    | City of Glens Falls                 | 42 Ridge Street                 | Glens Falls    | NY | 12801 |                                                    |
| Chief                    | John                 | Donohue    | North River Vol. Fire Co.           | PO Box 143                      | North River    | NY | 12856 |                                                    |
| Clerk                    | Darleen              | Dougher    | Town of Queensbury                  | 742 Bay Road                    | Queensbury     | NY | 12804 |                                                    |
| Chief                    | Joe                  | Duprey     | Queensbury Central Vol. Fire Co.    | 7 Sweet Road                    | Queensbury     | NY | 12804 |                                                    |
| Chief                    | James                | Ellis      | Luzerne-Hadley Vol. Fire Co.        | 1 Zermatt Drive                 | Lake Luzerne   | NY | 12846 |                                                    |
|                          | John                 | Farrell    | Office of ND/CD                     | 4028 Main Street                | Warrensburg    | NY | 12885 |                                                    |
| Clerk                    | Deborah              | Foley      | Town of Lake George                 | 20 Old Post Road                | Lake George    | NY | 12845 |                                                    |
| President                | Len                  | Fosbrook   | Economic Dev. Agency                | 234 Glen Street                 | Glens Falls    | NY | 12801 |                                                    |
| Chief                    | Robert               | Frevele    | Riverside Vol. Fire Co.             | 310 Vanderwalker Road           | Chestertown    | NY | 12817 |                                                    |
| Supervisor               | Kevin                | Geraghty   | Town of Warrensburg                 | 3797 Main Street                | Warrensburg    | NY | 12885 |                                                    |
| Supervisor               | Sterling             | Goodspeed  | Town of Johnsbury                   | PO Box 7, 219 Main Street       | North Creek    | NY | 12853 |                                                    |
| Chief                    | Michael              | Gordon     | West Glens Falls Vol. Fire Co.      | 33 Luzerne Rd.                  | Queensbury     | NY | 12804 |                                                    |
| Local Planning Assistant | Brian                | Grisi      | Adirondack Park Agency              | PO Box 99, Route 86             | Ray Brook      | NY | 12977 |                                                    |
| City Engineer            | Steve                | Gurzler    | Glens Falls                         | Shermantown Road                | Glens Falls    | NY | 12801 |                                                    |
|                          | Dan                  | Hajeck     | Village of Lake George Public Works | 1 Schuyler Street               | Lake George    | NY | 12845 |                                                    |
| C                        | Susan                | Harrington | Town of Stony Creek                 | PO Box 96, 52 Hadley Road       | Stony Creek    | NY | 12878 |                                                    |
| Supervisor               | John                 | Haskell    | Town of Thurman                     | Box 29                          | Athol          | NY | 12810 |                                                    |

# Appendix A – Kick-off Meetings

## Warren County Haz-Mit Meeting 11/18/08 10AM/2PM

|                                 |           |         |                                |                                 |                |    |            |                     |
|---------------------------------|-----------|---------|--------------------------------|---------------------------------|----------------|----|------------|---------------------|
| Environ.<br>Er<br>eg.           | Michael   | McLean  | NYS Dept. of Conservation      | PO Box 296, 1115 State Road 86  | Ray Brook      | NY | 12977-0296 |                     |
| Chief                           | Pat       | Mellon  | Bay Ridge Vol. Fire Co.        | 462 St. Rt. 149                 | Lake George    | NY | 12845      |                     |
| Supervisor                      | Eugene    | Merlino | Town of Lake Luzerne           | PO Box 370                      | Lake Luzerne   | NY | 12046      |                     |
| Supervisor                      | Frederick | Monroe  | Town of Chester                | PO Box 423                      | Chestertown    | NY | 12817      |                     |
|                                 | Jason     | Monroe  | Town of Chester Water Dept.    | PO Box 423                      | Chestertown    | NY | 12817      |                     |
| Director                        | Cheryl    | Murphy  | American Red Cross             | 74 Warren Street                | Glens Falls    | NY | 12801      |                     |
|                                 | John      | Murphy  | National Grid                  | 1125 Broadway                   | Albany         | NY | 12204      |                     |
| Admin.                          | Joseph    | Murphy  | North Warren CSD               | 6110 State Route 8              | Chestertown    | NY | 12817      |                     |
|                                 | Jim       | Neumann | Town of Bolton Police Dept.    | PO Box 752                      | Bolton Landing | NY | 12814      | <i>Jim</i>          |
| Deputy<br>EMS<br>Coordinator    | Chris     | Norton  | Office of Emergency Services   | 1340 State Rt 9                 | Lake George    | NY | 12845      |                     |
| GIS Admin.                      | Sheri     | Norton  | Planning Department            | 1340 State Rt. 9                | Lake George    | NY | 12845      | <i>Chris Norton</i> |
| Bio<br>Terrorism<br>Coordinator | Barb      | Orton   | Warren Co. Public Health       | 1340 State Rt 9                 | Lake George    | NY | 12845      | <i>Barb Orton</i>   |
|                                 | Bruce     | Ostrand | Town of Queensbury Water Dept. | 823 Corinth Road                | Queensbury     | NY | 12804      |                     |
|                                 | Hollis    | Ovitt   | Town of Lake George Highway    | 22 Gage Road                    | Lake George    | NY | 12845      |                     |
|                                 | Mike      | Palmer  | Town of Queensbury Fire Dept.  | 742 Bay Road                    | Queensbury     | NY | 12804      |                     |
|                                 | John      | Perry   | Town of Bolton Water Dept.     | PO Box 698, 4949 Lake Shore Dr. | Bolton Landing | NY | 12814      |                     |
| Clerk                           | William   | Rawson  | Town of Johnsbury              | PO Box 7 219 Main Street        | North Creek    | NY | 12853      |                     |
| Director                        | Eileen    | Reardon | American Red Cross             | 74 Warren Street                | Glens Falls    | NY | 12801      |                     |
| Clerk                           | Bernice   | Roberts | Town of Chestertown            | PO Box 423                      | Chestertown    | NY | 12817      |                     |
| C                               | Stanley   | Ross    | Stony Creek Vol. Fire Co.      | 27 Murry Road                   | Stony Creek    | NY | 12878      |                     |
| Chief<br>Deputy                 | Shane     | Ross    | Warren Co. Sheriff's Office    | 1400 State Rt. 9                | Lake George    | NY | 12845      |                     |

*norton@co-warren.ny.us  
701-6410  
warren.ny.us  
Barb Orton*



# Appendix A – Kick-off Meetings

Warren County Haz-Mit Meeting 11/18/08 10AM/2PM

|                                      |            |           |                                  |                                 |                |    |       |                                       |
|--------------------------------------|------------|-----------|----------------------------------|---------------------------------|----------------|----|-------|---------------------------------------|
|                                      | Bob        | Schiavoni | Glens Falls DPW                  | 230 Dix Avenue                  | Glens Falls    | NY | 12801 |                                       |
| Haz. Mat/WMD Deputy Fire Coordinator | James      | Schrammel | Office Of Emergency Services     | 1340 State Rt. 9                | Lake George    | NY | 12845 |                                       |
| EMS Coordinator /Coroner             | Gary       | Scidmore  | Office of Emergency Services     | 1340 State Rt. 9                | Lake George    | NY | 12845 |                                       |
| Clerk                                | Cynthia    | Sherwood  | Town of Lake Luzerne             | PO Box 370                      | Lake Luzerne   | NY | 12846 |                                       |
| Supervisor                           | Kathleen   | Simmes    | Town of Bolton                   | PO Box 698, 4949 Lake Shore Dr. | Bolton Landing | NY | 12814 |                                       |
|                                      | Paul       | Smith     | Town of Horicon Highway Dept.    | 20 Town Shed Road               | Brant Lake     | NY | 12815 |                                       |
|                                      | Warren     | Snyder    | National Weather Service         | 251 Fuller Road.                | Albany         | NY | 12203 |                                       |
| Supervisor                           | Dan        | Stec      | Town of Queensbury               | 742 Bay Road                    | Queensbury     | NY | 12804 |                                       |
| Clerk                                | Pat        | Steele    | Town of Bolton                   | PO Box 698,4949 Lake Shore Dr.  | Bolton Landing | NY | 12814 |                                       |
| District Admin.                      | John       | Stoothoff | WSWHE BOCES                      | 1153 Burgoyne Avenue, Suite 2   | Fort Edward    | NY | 12828 |                                       |
| Chief                                | Steve      | Studnick  | North Creek Vol. Fire Co.        | 287 Bird Pond Road              | North Creek    | NY | 12853 |                                       |
| Admin.                               | Irwin      | Sussman   | Hadley-Luzerne CSD               | 273 Lake Avenue                 | Lake Luzerne   | NY | 12846 |                                       |
| Chief                                | Richard    | Swan      | Chestertown Vol. Fire Co.        | 18 Blytheheld Road              | Chestertown    | NY | 12817 |                                       |
| Chief                                | Guy        | Swartwoul | Pottersville Vol. Fire Co.       | 115 Stone Bridge Road           | Pottersville   | NY | 12860 |                                       |
| Safety Compliance Coordinator        | Ann Marie  | Szabo     | Queensbury Union Free SD         | 411 Aviation Road               | Queensbury     | NY | 12804 | uszabo@queensburyshat.org<br>A. Szabo |
| Supervisor                           | Louis      | Tessier   | Town of Lake George              | 20 Old Post Road                | Lake George    | NY | 12845 |                                       |
| Supervisor                           | Frank      | Thomas    | Town of Stony Creek              | PO Box 96, 52 Hadley Road       | Stony Creek    | NY | 12878 |                                       |
|                                      | Michael    | Travis    | Town of Queensbury Highway DEpt. | 742 Bay Road                    | Queensbury     | NY | 12804 |                                       |
| Director                             | Sheila     | Weaver    | Warren Co. Social Services       | 1340 State Route 9              | Lake George    | NY | 12845 |                                       |
| Executive Director                   | Michael P. | White     | Lake George Park Commission      | 75 Ft. George Road PO Box 749   | Lake George    | NY | 12845 |                                       |
| Manager                              | Dave       | Wick      | Soil Conservation District       | 51 Elm Street                   | Warrensburg    | NY | 12885 |                                       |

# Appendix A – Kick-off Meetings

Warren County Haz-Mit Meeting 11/18/08 10AM/2PM

|         |         |       |                               |                           |             |    |       |
|---------|---------|-------|-------------------------------|---------------------------|-------------|----|-------|
|         | Patrick | Wood  | Town of Thurman Highway Dept. | Box 29                    | Althol      | NY | 12810 |
| Sheriff | Nathan  | York  | Warren County                 | 1400 State Rte. 9         | Lake George | NY | 12845 |
| Chief   | Jim     | Young | Hague Vol. Fire Co.           | 48 Sabbath Day Point Road | Silver Bay  | NY | 12874 |
|         | Jim     | Young | Town of Hague Fire Department | Box 585                   | Hague       | NY | 12836 |

MICHEL LEE Red Cross 74 WARREN ST  
O.F. NY 12801

murphy c @ usa.  
redcross.org  
lalmich @ usa.  
redcross.org

Laura Stebbins Glens Falls Hospital 100 Park St.

l.stebbins @ glensfalls  
hosp.org

Engineer George VanDusen Warren County DPW - 4020  
Main St - W. Burg

gvandusen @ warren  
county dpw.com

Haz HALLIDAY American Red Cross  
CHAIRMAN Disaster Services  
2599 RIDGE RD  
G.B.Y NY 12804

halliday @ townofwarren.com

SEMO Bruce Jordan Region 3 S Fox Farm Rd  
Queensbury

1912804 793-6646

SEMO Paul Wilson Region 3 S Fox Farm Rd  
Queensbury  
Margaret Schroeder Warrensburg

NY 12804 793-6646  
1912804 2141-4411

# Friends of the North Country, Inc.

1 Mill Street  
P.O. Box 446  
Keeseville, New York 12944-0446

Phone: (518) 834-9606  
Fax: (518) 834-9687  
Toll Free: 1-888-355-FONC (3662)  
email: scampbell@friendsofthenorthcountry.org

Scott Campbell  
Executive Director

Madeleine Robinson  
Chair

James V. Hardman  
Vice-Chair

Kim Ryan  
Secretary

Mark Kaiser  
Treasurer

#### Directors

James Coffey  
Bruce Garcia  
Peter R. Prescott  
Bruce Bourgeois

#### Sustaining Members

Arthur LeFevre  
Nancy Prescott

October 19, 2008

Marc Lambert  
Glens Falls DPW  
230 Dix Avenue  
Glens Falls, NY 12801

Dear Marc,

Thank you for attending the Hazard Mitigation meeting yesterday at the County Offices. We hope the meeting answered some of your questions regarding the Multi-Jurisdictional Hazard Mitigation Plan for Warren County.

As you are aware this will be an ongoing process and we value your input at all stages. In this initial stage of information gathering you are our best resource. If you turned in the papers during the meeting yesterday, thank you. If you needed time to collect your thoughts, please return the information as soon as possible so we can better complete this portion of the process. Any information you can generate will be of assistance. If you believe someone else in your organization can better complete the forms, please pass the forms to them, or contact us. This can be done by phone, fax or e-mail.

We look forward to continuing to work with the county. If we can answer any questions, please contact us.

Sincerely,

Scott Campbell  
Director

- To assist with the provision of housing with emphasis on the needs of the poor. PP-15
- To undertake economic development, which supports community wide revitalization.
- To identify, designate and restore locally significant historic structures.
- To generally act as facilitators in the process of stabilization, growth and development.

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Directors  
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Bruce Garcia  
Peter R. Prescott  
Bruce Bourgeois

Sustaining  
Members  
Arthur LeFevre  
Nancy Prescott

November 20, 2008

Supervisors, City Representatives  
c/o Clerk of the Warren County Board of Supervisors  
1340 State Route 9  
Lake George, NY 12845

Re: Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan (the Plan)

All:

Attached please find:

1. A Background summary of the planning project
2. Sample Mitigation Strategies and Measures
3. Meeting materials from the Tuesday November 18, 2008 meeting

This material is provided to you in lieu of my attendance and participation in your regular monthly meeting November 21, 2008 to address you directly; it is my understanding that the agenda was full.

Please read through the attached. The mitigation planning process is far-reaching and complex, but with your jurisdiction's input and approval the desired end result of a complete and approvable plan will be achieved.

We have begun to gather Hazard History and Critical Facilities information for Risk Assessment and Vulnerability analysis component of the Plan. There are forms attached for your convenience to list information that you feel will help describe the hazard history and essential facilities within your locality. Please engage your highway department, public works personnel, and any other personnel or information resources that will help describe the hazards and mitigation strategies that will impact your city/town/village/ward. Please send that information to our office via mail, fax, or email. Thank you for your anticipated actions.

Contact me with any questions or concerns that you might have about the Plan and its development.

Sincerely,

Scott Campbell  
Director

Enclosures

- 
- To assist with the provision of housing with emphasis on the needs of the poor.
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email: [scampbell@friendsofthenorthcountry.org](mailto:scampbell@friendsofthenorthcountry.org)

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Treasurer

#### Directors

James Coffey  
Bruce Garcia  
Peter R. Prescott  
Bruce Bourgeois

#### Sustaining Members

Arthur LeFevre  
Nancy Prescott

December 1, 2008

Brian LaFlure  
Office of Emergency Services  
1340 State Rt. 9  
Lake George  
NY, 12845

Re: Warren County Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan

Dear Brian,

Following the countywide Multi-Jurisdictional Hazard Mitigation Plan meetings held on November 18<sup>th</sup>, discussion ensued regarding formalizing a Warren County Planning Committee. The committee will review components of the Plan as they are drafted and provide a review of the draft plan in its entirety prior to submission to the NYS Emergency Management Office. The most valuable county resource for a successful Multi-Jurisdictional Hazard Mitigation Plan is the people directly involved in the county activities.

Please consider taking an active role on the committee. We anticipate handling much of the review through e-mail. The first phase of the project (already underway) is gathering information from all the town jurisdictions, county agencies, and other resources within the county related to critical facilities and the history of natural disasters in Warren County. The mapping portion of the plan – locating critical facilities and population areas with flood maps, peak ground acceleration and wind maps, to name a few, is also underway.

Please respond via email: [spicard@friendsofthenorthcountry.org](mailto:spicard@friendsofthenorthcountry.org) (or USPS, or fax) to confirm your participation on the Planning Committee. We will continue to alert the Deputy Director of Emergency Services, who will Chair the committee, and all committee members of project progress. The common goal is to provide Warren County with an approvable plan so that future Federal Emergency Management Administration funding will be available to meet the needs of the people in Warren County.

We look forward to hearing from you soon. Thank you.

Sincerely,

Scott Campbell  
Director

- ~~To assist with the provision of housing with emphasis on the needs of the poor.~~ PP-17
- To undertake economic development; which supports community wide revitalization.
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Planning Committee

Assistant Engineer George Van Dusen  
DPW  
4028 Main Street  
Warrensburg, NY 12885

City Engineer Steve Gurzler  
City of Glens Falls  
Shermantown Road  
Glens Falls, NY 12801

Director Brian LaFlure  
Office of Emergency Services  
1340 State Rt. 9  
Lake George, NY 12845

Deputy Director Amy Manney  
Office of Emergency Services  
1340 State Rt 9  
Lake George, NY 12845

Director Cheryl Murphy  
American Red Cross  
74 Warren Street  
Glens Falls, NY 12801

GIS Administrator Sheri Norton  
Planning Department  
1340 State Rt. 9  
Lake George, NY 12845

Bio Terrorism Coordinator Barb Orton  
Warren Co. Public Health  
1340 State Rt 9  
Lake George, NY 12845

Chief Deputy Shane Ross  
Warren Co. Sheriff's Office  
1400 State Rt. 9  
Lake George, NY 12845

Deputy Fire Coordinator James Schrammel  
Office Of Emergency Services  
1340 State Rt. 9  
Lake George, NY 12845

EMS Coordinator/Coroner Gary Scidmore  
Office of Emergency Services  
1340 State Rt. 9  
Lake George, NY 12845

Director Sheila Weaver  
Warren Co. Social Services  
1340 State Route 9  
Lake George, NY 12845





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#### Directors

James Coffey  
Bruce Garcia  
Peter R. Prescott  
Bruce Bourgeois

#### Sustaining

Members  
Arthur LeFevre  
Nancy Prescott

December 1, 2008

Cynthia Cameron  
Town of Stony Creek, Historian  
91 Waite Road  
Stony Creek  
NY, 12878

Re: Warren County Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan

Dear Cynthia,

Friends of the North Country Inc., a not-for-profit organization located in Keeseville, New York, has been engaged by the Warren County Board of Supervisors and Warren County Emergency Services to assist with the development of a Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan (the Plan). The Plan will draw upon past (natural disaster) events to measure risk and vulnerability throughout the county. The Plan will include that history, and based upon that information, projects will be included that would ultimately reduce or limit loss of life or property damage. The Plan must be approved by the NYS Emergency Management Office (SEMO) as well as the Federal Emergency Management Administration (FEMA) in order for the county to qualify for certain future funding opportunities. The first phase of the Plan project is information gathering, and our greatest resources are the officials and residents of the county.

We have contacted town and county officials; supervisors, public works/highway, fire chiefs and emergency services in an effort to gather information necessary for a complete Plan. As a historian you are likely to have records that would chronicle past events helping to establish risks and vulnerabilities in the county. Simple forms are enclosed as a tool for your use to list/note any records: dates, locations, types of events, damage and losses, costs (if available or known). We are seeking your assistance to ensure that the history of events in the county is as thorough as possible. Copies of newspaper articles, pictures or anecdotal information that is available would be greatly appreciated. Also, if you know of other possible contacts for this type of information, please let us know, or have them contact us.

We hope to begin compiling information for the Plan by mid-January. Information may be e-mailed to [spicard@friendsofthenorthcountry.org](mailto:spicard@friendsofthenorthcountry.org), and our address and fax number are printed above.

Thank you for your anticipated assistance in this worthwhile project. Please contact us at the number above if you have questions.

Sincerely,

Scott Campbell, Director

- 
- ~~To assist with the provision of housing with emphasis on the needs of the poor.~~ PP-19
  - To undertake economic development; which supports community wide revitalization.
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[Skip to Content or Hide Images](#)

## Historian - Warren County, NY

### Warren County City, Village and Town Historians

City, Village and Town Historians  
(sorted by Town, City, or Village)

| Historian                     | Town, City, Village | Address                                                                                   |
|-------------------------------|---------------------|-------------------------------------------------------------------------------------------|
| <b>Patricia Steele</b>        | Bolton              | Lakeshore Drive<br>PO Box 698<br>Bolton Landing NY 12814<br>(518)644-2444                 |
| <b>Donna LaGoy</b>            | Chester             | Town Hall<br>PO Box 423<br>Chestertown NY 12817                                           |
| <b>Wayne Wright</b>           | Glens Falls         | 42 Ridge St.<br>Glens Falls NY 12801<br>(518)761-3800                                     |
| <b>Gerard T. Crammond</b>     | Hague               | PO Box 509<br>Hague NY 12836                                                              |
| <b>Colleen R. Murtagh</b>     | Horicon             | 338 Valentine Pond Rd.<br>Pottersville NY 12860<br>(518)494-4359                          |
| <b>Doris H. Patton</b>        | Johnsburg           | PO Box 126<br>Bakers Mills NY 12811<br>(518)251-2097                                      |
| <b>Margaret Edwards</b>       | Lake George         | 72 Schuyler St.<br>Lake George NY 12845<br>(518)668-3043                                  |
| <b>Beatrice Evens</b>         | Lake Luzerne        | 423 Lake Ave.<br>Lake Luzerne NY 12846<br>(518)696-2324                                   |
| <b>Dr. Marilyn J. VanDyke</b> | Queensbury          | 742 Bay Rd.<br>Queensbury NY 12804-5902<br>(518)761-8252                                  |
| <b>Cynthia Cameron</b>        | Stony Creek         | 91 Waite Rd<br>Stony Creek NY 12878<br>(518)696-2838                                      |
| <b>Robin Croissant</b>        | Thurman             | Box 72<br>Mud Street<br>Athol NY 12810<br>(518)623-4102                                   |
| <b>Sandi Parisi</b>           | Warrensburg         | Town Hall<br>3797 Main St.<br>Warrensburg NY 12885<br>(518)623-5153<br>Fax: (518)623-3831 |

### Navigation

<http://www.co.warren.ny.us/historian/historians.php>

12/1/2008

# Friends of the North Country, Inc.

1 Mill Street  
P.O. Box 446  
Keeseville, New York 12944-0446

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Peter R. Prescott

Sustaining  
Members  
Arthur LeFevre  
Nancy Prescott

January 28, 2009

Supervisor Kathleen Simmes  
Town of Bolton  
PO Box 698, 4949 Lake Shore Dr.  
Bolton Landing, NY 12814

Re: Warren County Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan

Dear Supervisor Simmes,

Friends of the North Country is assisting Warren County Emergency Services to develop a Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan (the Plan). Two informational meetings were held in November 2008, and an overview of the information-gathering process was presented to the Board of Supervisors in December. Letters and emails have also been sent to town supervisors, mayors, representatives, highway superintendents and historians in each jurisdiction within the county to ensure that all jurisdictions have a chance to participate and be accurately represented by the Plan.

The purpose of the Plan is to protect life and property by providing mitigation actions and projects that will accomplish that goal. Town and Village officials and staff are the best source of information to develop a useful Plan. To date, information has not been received on the types of natural hazards that may occur, or have happened in the past within your jurisdiction. Please take this opportunity to provide information on the types of natural hazards that are a concern in your locale, what critical infrastructure or properties are at risk if a hazard event occurs, and more importantly, what measures could your town/village take that would lessen the effects of such an event.

This is an opportunity for your town/village to enhance your chances to utilize disaster mitigation funds that will not be made available to your jurisdiction unless you provide (hazard) mitigation project information to be included in the Plan.

All jurisdictions in the county must adopt the Plan when it is approved for submission to the Federal Emergency Management Agency. Your participation is vital for the Plan to be complete.

Certain milestones in development of the Plan must be achieved in order for the County to meet the requirements of the grant agreement for the project.

Please respond with questions or hazard information and mitigation project plans **by February 27, 2009.**

We look forward to hearing from you.

Sincerely,

Scott Campbell  
Director

Cc:

- To assist with the provision of housing with emphasis on the needs of the poor.
- To undertake economic development; which supports community wide revitalization.
- To identify, designate and restore locally significant historic structures.
- To generally act as facilitators in the process of stabilization, growth and development.

# Friends of the North Country, Inc.

*A community group dedicated to development and preservation*

Scott Campbell, Executive Director

1 Mill Street, P.O. Box 446, Keeseville, New York

---

Phone (518) 834-9606

Fax (518) 834-9687

January 29, 2009

- Existing Hazard Mitigation Plans – copies can be made available
  
  
- Future Projects (with estimates) to mitigate disasters in the Town (Funding is often more readily available if there is an existing planned project)
  
  
  
  
  
- The Town of \_\_\_\_\_ has no imminent projects/ plans at this time.

---

Supervisor Signature

# Friends of the North Country, Inc.

1 Mill Street  
P.O. Box 446  
Keeseville, New York 12944-0446

Phone: (518) 834-9606

Fax: (518) 834-9687

Toll Free: 1-888-355-FONC (3662)

email: [scampbell@friendsofthenorthcountry.org](mailto:scampbell@friendsofthenorthcountry.org)

Scott Campbell  
Executive Director

Madeleine Robinson  
Chair

Kim Ryan  
Secretary

Mark Kaiser  
Treasurer

#### Directors

James Coffey  
Bruce Garcia  
Peter R. Prescott

#### Sustaining Members

Arthur LeFevre  
Nancy Prescott

January 27, 2009

Neil Bradley, Highway Superintendent  
52 Hadley Road  
PO Box 96  
Stony Creek, NY 12878

Dear Neil,

Friends of the North Country, Inc. director Scott Campbell addressed the Board of Supervisors at the December 19, 2008 meeting to ask for input from each town/village/city so that all jurisdictions are accurately represented by the Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan being developed for Warren County.

We are asking for information specific to your jurisdiction on the history of natural hazards that have occurred there, a list of critical facilities located within the jurisdiction, along with (proposed future) activities that would lessen the effects of a repeat of those hazard events.

As Highway Superintendent, this is a great opportunity to create a 'wish list' of projects such as road relocation to relieve perennial flooding, or bridge or box-culvert work that may also relieve flooding issues; please include cost estimates of such hazard mitigation actions.

The information provided by each town, along with the county provides the basis for an effective plan that will benefit all. One of the ultimate results of the Plan will be access to future grant funding to implement mitigation activities.

Any information you can provide will be extremely helpful in preparing this Plan for eventual acceptance by SEMO and FEMA.

Completion and eventual approval of this Plan will help reduce the loss of life and property caused by future natural disasters.

Please contact us with any questions. We look forward to hearing from you.

Sincerely,

Susan Picard

- 
- To assist with the provision of housing with emphasis on the needs of the poor. PP 23
  - To undertake economic development; which supports community wide revitalization.
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Peter R. Prescott

Sustaining  
Members  
Arthur LeFevre  
Nancy Prescott

April 29, 2009

Kathleen Simmes  
4949 Lakeshore Drive  
PO Box 698  
Bolton Landing, NY 12814

Dear Supervisor Simmes:

In an effort to submit an accurate, complete Hazard Mitigation Plan (the Plan) for Warren County we continue to solicit information regarding your town. Plans from other counties that have been accepted have included (or referenced) comprehensive plans (sometimes referred to as strategic, or community plans) that contain related, pertinent town information such as emergency plans, land-use management plans, floodplain regulations (such as zoning), lake/lakeshore, dam repair or maintenance plans, road maintenance plans and others. Frequently towns have these plans but perhaps don't consider them necessary for inclusion in a plan such as this.

By mid-May I hope to schedule a stop at your Town Office in an effort to preview these plans for possible inclusion in the Warren County Hazard Mitigation Plan. Please assist us and the county in our efforts to provide a Plan that will be acceptable to all Supervisors, as well as the state and federal agencies involved in reviewing the final plan.

Please email/fax a list of the various Town of Bolton plans on file, and with days and hours that the office will be open for a review of any available plans.

Thank you for your help and participation in the Warren County Hazard Mitigation Planning process.

Please contact our office if you have questions,

Sincerely,

Scott Campbell  
Director

- 
- To assist with the provision of housing with emphasis on the needs of the poor. PP-24
  - To undertake economic development; which supports community wide revitalization.
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**WARREN COUNTY**  
**HAZARD MITIGATION PLANNING COMMITTEE**

Division of Office of Emergency Services

1340 State Route 9  
Lake George, NY 12845

Telephone: 518-761-6240  
Fax : 518-761-6402  
oes@co.warren.ny.us

October 7, 2009

William Lamy, Superintendent  
Warren County Department of Public Works  
4028 Main Street  
Warrensburg, NY 12885

Re: Warren County Multi-Jurisdictional Hazard Mitigation Plan

Dear Superintendent Lamy:

Friends of the North Country, Inc. continues working with the Warren County Office of Emergency Services to develop a Pre-Disaster Multi-Jurisdictional Hazard Mitigation Plan (the Plan). The Plan is being developed to aid Warren County and the municipalities within it to protect lives and property in the event of natural disaster and to ensure that all jurisdictions maintain eligibility for future FEMA and SEMO grant funding opportunities. (Natural hazards such as floods, tornadoes, earthquakes, severe storms, and wildfires along with other hazards are those analyzed for the purposes of the Plan.)

Local participation in the planning process is necessary for the development of an approvable Plan. It is important that each municipal leader understands that every jurisdiction in the County must participate with Plan development in two ways:

1. Provide one mitigation action particular to the jurisdiction, and
2. Adopt the Plan by Resolution.

A Friends representative has met with or contacted you by telephone and/or mail concerning the natural hazards that pose a risk to your municipal jurisdiction and to ascertain the critical facilities located within your jurisdiction. Given the potential hazards (typically) of flood, winter or severe storms, earthquake, wildfire, or extreme temperatures and drought, the attached short list of pre-disaster mitigation actions provides a 'menu' from which to select an action that is likely to be appropriate for your municipality.

Please review the list with your Highway or Public Works Department, or any cognizant authority who is familiar with your locale, and select (at least) one action item that would be useful to mitigate the effect(s) of a natural hazard event, OR use the bottom of the form to write in an action. Demonstrated local participation is a key factor that both SEMO and FEMA consider when reviewing the Warren County draft Plan for approval.

Friends of the North Country, Inc. Director Scott Campbell will attend the October 16, 2009 regular meeting of the board of Supervisors to collect the attached worksheets and provide an update on the status of Plan development. Please contact Friends with questions, and send any information that you are providing to Friends, PO Box 446, Keeseville, NY 12944, phone 518-834-9606 x31.

E-Mail: [scampbell@friendsofthenorthcountry.org](mailto:scampbell@friendsofthenorthcountry.org)

MITIGATION ACTION - Warren County Hazard Mitigation Plan

TOWN/VILLAGE/CITY \_\_\_\_\_

Person completing this form \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Possible mitigation actions are listed below. Please be specific as to the activity being done, the location and a general cost estimate.

- Drainage improvements
- Stream work improvements
- Acquisition of properties consistently endangered by flooding
- Elevation of structures to eliminate repetitive loss
- Community infrastructure improvements
- Bridge work
- Installation or modification of culverts, floodgates, minor floodwall systems
- Storm-water management activities, retention and detention basins
- Soil stabilization – installing geo-textiles, sod stabilization, decreasing slope angles, installing rip rap or vegetative buffer strips
- Wildfire mitigation –create perimeters around homes, structures, critical facilities by removing or reducing flammable vegetation
- Structural retrofitting including foundations, load-bearing walls, beams, columns

Action \_\_\_\_\_

Location and details \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Cost Estimate \_\_\_\_\_

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Sustaining  
Members  
Arthur LeFevre  
Nancy Prescott

## FAX MEMO

2 Pages

To: Donald Smith

From: Susan Picard

C/O: Highway, Public Works Departments

Date: November 2, 2009

Re: Local Mitigation Action(s)

The NYS Emergency Management Office (SEMO) reviewed a draft of the Warren County Multi-Jurisdictional Hazard Mitigation Plan (the Plan) and stated that a **new requirement** for the Plan is each jurisdiction must include a specific mitigation "action" (project) that will reduce the effects of a future natural disaster. The action must be specific as to the activity and location, and include a general cost estimate.

At the October Warren County Board of Supervisors meeting it was suggested that highway superintendents (public works departments) would be the most likely resource to be able to provide this type of information.

In order to complete this component of the Plan in the time frame remaining please fill out the attached form and fax or mail it back as soon as possible.

Please call me with your questions (my extension is 31) or

if you would prefer to meet to talk it over, I am available to meet with you directly on Wednesday, November 4 or Wednesday, November 11. If you choose to meet, please email me directly at [spicard@friendsofthenorthcountry.org](mailto:spicard@friendsofthenorthcountry.org) or call so we can arrange an agreeable time.

Thank you for taking time to help with the completion of this important project for all the jurisdictions in Warren County.

Sincerely,

Susan Picard, Program Manager

Enclosures

- ~~To assist with the provision of housing with emphasis on the needs of the poor.~~
- To undertake economic development; which supports community wide revitalization.
- To identify, designate and restore locally significant historic structures.
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**Name:** Warren County, NY

**Plan Type:** Multi-Jurisdiction

**APA Date:** 2/1/2011

**Plan Approval Date:** 7/7/2011

**Plan Expiration Date:** 7/7/2016

| <b>ID</b> | <b>Location</b> | <b>Jurisdiction Type</b> | <b>Adoption Received Date</b> | <b>Jurisdiction Status</b> | <b>Currently Eligible for Funding</b> |
|-----------|-----------------|--------------------------|-------------------------------|----------------------------|---------------------------------------|
| 1         | Bolton          | Town                     | 7/7/2011                      | Approved                   | Yes                                   |
| 2         | Chester         | Town                     | 7/7/2011                      | Approved                   | Yes                                   |
| 3         | Glens Falls     | City                     | 7/7/2011                      | Approved                   | Yes                                   |
| 4         | Hague           | Town                     | 7/7/2011                      | Approved                   | Yes                                   |
| 5         | Horicon         | Town                     | 7/7/2011                      | Approved                   | Yes                                   |
| 6         | Johnsburg       | Town                     | 7/7/2011                      | Approved                   | Yes                                   |
| 7         | Lake George     | Village                  | 7/7/2011                      | Approved                   | Yes                                   |
| 8         | Lake George     | Town                     | 7/7/2011                      | Approved                   | Yes                                   |
| 9         | Lake Luzerne    | Town                     | 7/7/2011                      | Approved                   | Yes                                   |
| 10        | Queensbury      | Town                     | 7/7/2011                      | Approved                   | Yes                                   |
| 11        | Stony Creek     | Town                     | 7/7/2011                      | Approved                   | Yes                                   |
| 12        | Thurman         | Town                     | 7/7/2011                      | Approved                   | Yes                                   |
| 13        | Warren          | County                   | 7/14/2011                     | Approved                   | Yes                                   |
| 14        | Warrensburg     | Town                     | 7/7/2011                      | Approved                   | Yes                                   |

RECEIVED  
JUL 25 2011

BY: .....



U.S. Department of Homeland Security  
Region II  
Jacob K. Javits Federal Office Building  
26 Federal Plaza, Room 1311  
New York, New York 10278-0002

FEMA

July 15, 2011

Mr. Andrew X. Feeney  
Director  
New York State Office of Emergency Management  
Building 22, Suite 101  
1220 Washington Avenue  
Albany, NY 12226-2251

Re: Approval of the Warren County, NY Hazard Mitigation Plan (final)  
Funding Source – HMGP 1665 Planning Grant

Dear Mr. Feeney:

I am pleased to inform you that the Region II Office of the Federal Emergency Management Agency (FEMA) has approved the Warren County, NY Local Multi-jurisdictional Hazard Mitigation Plan for all its participants. The 14 jurisdictions identified in the enclosure have been identified as participating in this plan and as having their adoption papers forwarded to us as of the date of this letter.

The plan was officially adopted by one or more resolutions received by this office on July 7, 2011. FEMA's approval of the plan will be for a period of five years from this date until July 7, 2016.

Our office conducted a review of the referenced plan in conformance with Title 44 Code of Federal Regulations (CFR) Part 201, *Mitigation Planning* and FEMA's *Local Multi-Hazard Mitigation Planning Guidance*, the official guidance to develop and review new and updated mitigation plans. The Region's review is documented in the Local Hazard Mitigation Plan Review Crosswalk dated February 1, 2011. The County and its jurisdictions can use the information in this Crosswalk to refine and update their plans.

All the jurisdictions identified in the enclosure are now eligible as sub-grantees for project grants under FEMA's Hazard Mitigation Assistance programs, including the Hazard Mitigation Grant Program, the Pre-Disaster Mitigation, Flood Mitigation Assistance and Severe Repetitive Loss grant programs. Note that the expiration date of the plan applies for all jurisdictions, regardless of different adoption dates.



Mr. Andrew X. Feeney

July 15, 2011

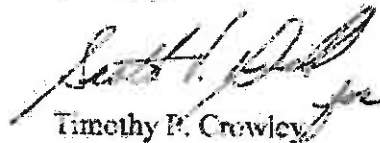
Page 2 of 2

It is important to recognize that all requests for FEMA grant funding will be evaluated individually according to the specific eligibility and other requirements of the particular program under which the application is submitted. For example, a specific mitigation activity or project identified in the plan may not meet the eligibility requirements for FEMA funding, and even eligible mitigation activities are not automatically approved for funding under any of the aforementioned programs.

Please inform the County and the jurisdictions referenced above of this approval. Also, note that jurisdictions that have approved mitigation plans are eligible for points under the National Flood Insurance Program's Community Rating System (CRS). Additional information regarding the CRS can be found at [www.fema.gov/business/nfip/crs.shtm](http://www.fema.gov/business/nfip/crs.shtm) or by contacting the local floodplain manager.

We commend Warren County and the plan participants for taking this important step toward making their communities more disasters resistant. If you have any questions, contact Scott Duell, Risk Analysis Branch Chief, at (212) 680-3630.

Sincerely,



Timothy P. Crowley

Director

Mitigation Division

Enclosure

cc: Richard Lord, NY State Hazard Mitigation Officer,  
New York State Office of Emergency Management

RECEIVED  
JUL 25 2011

BY: .....

U.S. Department of Homeland Security  
Region II  
Jacob K. Javits Federal Office Building  
26 Federal Plaza, Room 1311  
New York, New York 10278-0002



FEMA

July 15, 2011

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Building 22, Suite 101  
1220 Washington Avenue  
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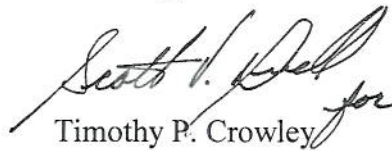
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July 15, 2011  
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Sincerely,

Handwritten signature of Timothy P. Crowley in black ink, written in a cursive style. The signature includes the word "for" at the end.

Timothy P. Crowley  
Director  
Mitigation Division

Enclosure

cc: Richard Lord, NY State Hazard Mitigation Officer,  
New York State Office of Emergency Management

**Name:** Warren County, NY

**Plan Type:** Multi-Jurisdiction

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