9.10 Town of Greece

This section presents the jurisdictional annex for the Town of Greece that provides resources and information to assist public and private sectors to reduce losses from future hazard events. This annex is not guidance of what to do when a disaster occurs. Rather, this annex concentrates on actions to reduce or eliminate damage to property and people that can be implemented prior to a disaster. Information presented includes a general overview of the municipality, who in the Town participated in the planning process, an assessment of the Town of Greece's risk and vulnerability, the different capabilities used in the Town, and an action plan that will be implemented to achieve a more resilient community.

9.10.1 Hazard Mitigation Planning Team

The Town of Greece identified the hazard mitigation plan primary and alternate points of contact and developed this plan over the course of several months with input from many Town departments, including Public Works, Engineering, Planning, and Technical Services. The Commissioner of Public Works represented the community on the Monroe County Hazard Mitigation Plan Planning Partnership and supported the local planning process requirements by securing input from persons with specific knowledge to enhance the plan. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization.

The following table summarizes municipal officials that participated in the development of the annex and in what capacity. Additional documentation on the municipality's planning process through Planning Partnership meetings is included in Volume 1, Section 3 (Planning Process) and Appendix C (Meeting Documentation).

Table 9.10-1. Hazard Mitigation Planning Team

Primary Point of Contact	Alternate Point of Contact
Name/Title: Kirk Morris, Commissioner, Public Works Address: 1 Vince Tofany Blvd. Greece, NY 14612 Phone Number: 585-723-2251 Email: KMorris@greeceny.gov	Name/Title: Mathew J. Trau, Town of Greece DPW, Junior Engineer Address: 647 Long Pond Rd. Rochester, NY 14612 Phone Number: 585-723-2377 Email: Mathewtrau@greeceny.gov
NFIP Floodplain Administrator	
Name/Title: Paul Mousso, Floodplain Administrator, Technical Services Address: 1 Vince Tofany Blvd. Greece, NY 14612 Phone Number: 585-723-2424 Email: PMousso@greeceny.gov	
Additional Contributors	
Name/Title: John Caterino, Planner Method of Participation: Provided data and information	
Name/Title: Paul Mousso, Floodplain Administrator, Technical Services Method of Participation: Provided data and information	
Name/Title: John Gauthier, Town of Greece DPW, Associate Engineer Method of Participation: Provided update on previous mitigation actions	
Name/Title: Matthew Trau, Town of Greece DPW, Junior Engineer Method of Participation: Contributed to mitigation strategy, reviewed annex	

9.10.2 Municipal Profile

The Town of Greece is located in the north-central portion of Monroe County, and it borders the City of Rochester to the east, the Town of Gates to the south, the Town of Ogden to the southwest, and the Town of Parma to the west. Lake Ontario forms the Town's northern border.

The Town of Greece is the largest town in Monroe County. It has a land areas of 47.52 square miles and a water area of 3.87 square miles. Although Lake Ontario is the most important water resource in the Town, there are also numerous streams and waterbodies. Streams include Salmon Creek, Buttonwood Creek, Larkin Creek, and the Erie Canal; and waterbodies include Braddock Bay, Cranberry Pond, Long Pond, Buck Pond, Round Pond, and Little Pond.

According to the U.S. Census, the 2020 population for the Town of Greece was 96,926, a 0.9 percent increase from the 2010 Census (96,095). Data from the 2020 American Community Survey 5-year Estimates indicate that 4.8 percent of the population is 5 years of age or younger, 19.2 percent is 65 years of age or older, 14.8 percent have disabilities, and 9.2 percent are below the poverty threshold. 1.2 percent of households are non-English speaking. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.

9.10.3 Jurisdictional Capability Assessment and Integration

The Town of Greece performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Volume 1, Section 6 (Capability Assessment) describes the components included in the capability assessment and their significance for hazard mitigation planning. The jurisdictional assessment includes the following analyses:

- An assessment of legal and regulatory capabilities.
- Development and permitting capabilities.
- An assessment of administrative and technical capabilities.
- An assessment of fiscal capabilities.
- An assessment of education and outreach capabilities.
- Classification under various community mitigation programs.
- The community's adaptive capacity to withstand hazard events.

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of the hazard mitigation analysis, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress toward plan integration. The updated mitigation strategy provided an opportunity for the Town of Greece to identify opportunities for integration of mitigation concepts that can be incorporated into municipal procedures.

Planning, Legal, and Regulatory Capability and Integration

The table below summarizes the regulatory tools that are available to the Town of Greece. The comment field provides information as to how the capability integrates hazard mitigation and risk reduction.

Table 9.10-2. Planning, Legal, and Regulatory Capability and Integration

	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Codes, Ordinances, & Regulations				
Building Code	Yes	Chapter 114 Fire Prevention and Building Construction	State and Local	Technical Services/Fire Marshal's Office
How does this reduce risk? It is the intent of this chapter to provide for the administration and enforcement of the provisions of the New York State Uniform Fire Prevention and Building Code and the New York State Energy Conservation Construction Code. This local law is adopted pursuant to § 10 of the Municipal Home Rule Law. Except as otherwise provided in the Uniform Code, the Energy Code, other state law, or other section of this chapter, all buildings, structures, and premises, regardless of the use or occupancy, are subject to this chapter.				
Zoning/Land Use Code	Yes	Chapter 211 Zoning	Local	Planning & Economic Development
How does this reduce risk? The Town of Greece's zoning code includes districts and standards pertaining to the mitigation of hazards. These sections include the canal corridor overlay and waterfront development. Furthermore, in the following single-family residential zoning districts: R1-44; R1-18; and R1-10, the town may permit the use of a cluster development to minimize impacts to environmentally sensitive areas (e.g., floodplains, wetlands, etc.) Prior to zoning changes, on a case-by-case basis, the Town will review the hazard mitigation plan and other hazard analyses to ensure consistent and compatible land use If a proposed project involves regulated floodways and floodplains, an analysis maybe required to show any impacts that may occur to those surrounding areas as result of a zoning change or development project. While the zoning ordinance does not encourage or discourage development or redevelopment within these areas, town staff and land use boards have the authority at their discretion to discourage development of an area of specific section of an area. The Town's Canal Corridor Overlay District sets conditions related to natural areas. The ordinance requires developers to take additional actions, on a case-by-case scenario, to mitigate natural hazard risk. Through the development review process, the town can require developers to take additional action to mitigate natural hazard risks. Rezoning procedures recognize natural hazard areas as limits on zoning changes that allow greater intensity or density of use on a case-by-case basis.				
Subdivision Ordinance	Yes	Chapter 181- Subdivision of Land/ Chapter 211- Zoning Ordinance	Local	Planning & Economic Development
How does this reduce risk? The Town's Planning Board is tasked with site plan/subdivision review. The regulations for this chapter are on file in Town offices. Subdivision regulations restrict the subdivision of land within or adjacent to natural hazard areas. Through the development review process in the Zoning Ordinance, the Town can restrict subdivision or development restrictions of land(s) within or adjacent to natural hazard areas. The regulations provide for conservation subdivisions or cluster subdivisions in order to conserve environmental resources. Section 211-24 of the Zoning Ordinance may permit or require a cluster development in the R1-44, R1-18, and R1-10 Districts upon a finding that such requirement would further the purpose and intent of that section.				
Site Plan Ordinance	Yes	Chapter 211 Zoning, Article X Subdivision and Development Review	Local and County	Planning & Economic Development
How does this reduce risk? The division of any parcel of land into two or more lots, blocks or sites, with or without public streets or highways, shall be deemed to be a subdivision. Such subdivision shall be shown on a map or plat which shall be subject to the review and approval of the Planning Board. Application for approval of a subdivision, showing the arrangement, layout and design of streets and lots, shall be prepared, and submitted in accordance with specifications and administrative procedures adopted by the Planning Board and in accordance with the Town's Specifications for Construction of Utilities and Roadways.				

	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Stormwater Management Ordinance	Yes	Chapter 176 Stormwater Management	Local	Department of Public Works - Engineering
How does this reduce risk? The purpose and intent of Article II Illicit Discharges and Prohibited Connections is to ensure the health, safety and general welfare of citizens, and protect and enhance the water quality of waters of the United States and water bodies in a manner pursuant to and consistent with the Federal Clean Water Act (33 U.S.C. § 1251 et seq.) by: A. Reducing pollutants in stormwater discharges to the maximum extent practicable; and B. Prohibiting non stormwater discharges to the storm drain system. The purpose of Article III Stormwater Control; Erosion and Sediment Control is to safeguard public health, protect property, prevent damage to the environment and promote the public welfare by guiding, regulating, and controlling the design, construction, use, and maintenance of any development or other activity which disturbs or breaks the topsoil or results in the movement of earth on land in the Town of Greece. It seeks to meet those purposes by achieving the following objectives: (1) Meet the requirements of minimum measures 4 and 5 of the SPDES General Permit for Stormwater Discharges from Municipal Separate Stormwater Sewer Systems (MS4s), Permit No. GP-02-02, or as amended or revised; (2) Require land disturbance activities to conform to the substantive requirements of the NYS Department of Environmental Conservation State Pollutant Discharge Elimination System (SPDES) General Permit for Construction Activities, or as amended or revised; (3) Minimize increases in stormwater runoff from land disturbance activities in order to reduce flooding, siltation, increases in stream temperature, and streambank erosion and maintain the integrity of stream channels; (4) Minimize increases in pollution caused by stormwater runoff from land disturbance activities which would otherwise degrade local water quality; (5) Minimize the total annual volume of stormwater runoff which flows from any specific site during and following development to the maximum extent practicable; and (6) Reduce stormwater runoff rates and volumes, soil erosion and nonpoint source pollution, wherever possible, through stormwater management practices and ensure that these management practices are properly maintained and eliminate threats to public safety. The purpose of Article IV Design and Management of Postconstruction Stormwater Pollution Prevention Measures is to establish minimum stormwater management requirements and controls to protect and safeguard the general health, safety, and welfare of the public residing in the watersheds within the Town of Greece. Therefore, the Town of Greece establishes this set of water quality and quantity policies to provide reasonable guidance for the regulation of stormwater runoff and to, in addition to the above, safeguard persons, protect property, prevent damage to the environment in Town of Greece, and comply with the NYSDEC State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from municipal separate storm sewer systems (MS4s), for the purpose of protecting local water resources from degradation.				
Post-Disaster Recovery/ Reconstruction Ordinance	No	-	-	-
How does this reduce risk?				
Real Estate Disclosure	Yes	Property Condition Disclosure Act, NY Code - Article 14 §460-467	State	NYS Department of State, Real Estate Agent
How does this reduce risk? In addition to facing potential liability for failing to disclose under the exceptions to "caveat emptor," a home seller must make certain disclosures under the law or pay a credit of $500 to the buyer at closing. While the PCDA requires a seller to complete a standardized disclosure statement and deliver it to the buyer before the buyer signs the final purchase contract, in practice, most home sellers in New York opt not to complete the statement and instead pay the credit.				
Growth Management	Yes	Included in Chapter 211 Zoning and Chapter 176 Stormwater Management	Local	Planning & Economic Development/Public Works
How does this reduce risk? Through the development review process, the town has the ability to control the amount of land that is developed.				
Environmental Protection Ordinance	Yes	Chapter 120 Freshwater Wetlands	Local	Technical Services
How does this reduce risk? This chapter establishes the Town's authority over any activities related to wetlands and notes that all regulations will comply with the New York Environmental Conservation Law. It specifies the Town's ability to regulate those wetlands identified in the Freshwater Wetlands Map.				

	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Federal and New York State Wetlands are mapped in the Town's GIS databases. Environmental policies provide incentives to development that is located outside protective ecosystems.				
Flood Damage Prevention Ordinance	Yes	Chapter 117 Flood Damage Prevention	Federal, State, County and Local	Building Inspector
How does this reduce risk? It is the purpose of this chapter to promote the public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specific areas by provisions designed to: A. Regulate uses which are dangerous to health, safety and property due to water or erosion hazards, or which result in damaging increases in erosion or in flood heights or velocities; B. Require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction; C. Control the alteration of natural floodplains, stream channels, and natural protective barriers which are involved in the accommodation of floodwaters; D. Control filling, grading, dredging and other development which may increase erosion or flood damages; E. Regulate the construction of flood barriers which will unnaturally divert floodwaters or which may increase flood hazards to other lands; and F. Qualify and maintain for participation in the National Flood Insurance Program. Chapter 117 requires all new construction to be built 2 feet above the base flood elevation.				
Wellhead Protection	No	-	-	-
How does this reduce risk?				
Emergency Management Ordinance	Yes	Chapter 33 Police Department	Local	Police Department
How does this reduce risk? Chapter 33 provides for the establishment of special police staff.				
Climate Change Ordinance	No	-	-	-
How does this reduce risk?				
Other	Yes	Chapter 83 Coastal Erosion Hazard Area; Chapter 208 Waterfront Consistency Review	Local	Technical Services
How does this reduce risk? It is the purpose of Chapter 83 to: A. Establish standards and procedures minimizing and preventing damage to structures from coastal flooding and erosion and to protect natural protective features and other natural resources. B. Regulate in coastal areas subject to coastal flooding and erosion, land use and development activities so as to minimize or prevent damage or destruction to man-made property, natural protective features and other natural resources and to protect human life. C. Regulate new construction or placement of structures in order to place them a safe distance from areas of active erosion and the impacts of coastal storms to ensure that these structures are not prematurely destroyed or damaged due to improper siting, as well as to prevent damage to natural protective features and other natural resources. D. Restrict public investment in services, facilities or activities which are likely to encourage new permanent development in erosion hazard areas. E. Regulate the construction of erosion protection structures in coastal areas subject to serious erosion to assure that their construction and operation will minimize or prevent damage or destruction to structures, significant improvements to structures, property, natural protective features or other natural resources. The purpose of Chapter 208 is to provide a framework for agencies of the Town of Greece to consider the policies and purposes contained in the Town of Greece Local Waterfront Revitalization Program when reviewing applications for actions or direct agency actions located in Greece's coastal areas and to assure that such actions and direct actions are consistent with said policies and purposes. It is the intention of the Town of Greece that the preservation, enhancement, and utilization of the natural and man-made resources of the unique waterfront areas of Greece take place in a coordinated and comprehensive manner to ensure a proper balance between natural resources and the need to accommodate population growth and economic development and attract the traveling public.				
Planning Documents				

	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Comprehensive Plan	Yes	Town of Greece 2020 Comprehensive Plan: Land Use, Community & Economic Development	Local	Planning & Economic Development
How does this reduce risk? The Town's current Comprehensive Plan has the following vision: "The Town of Greece will continue to grow in a fiscally responsible and sustainable manner, while adapting to changing demographics, market trends, and housing needs. The Town will foster an environment for economic growth to encourage diverse employment opportunities, meet an increasing demand for goods and services, and expand the tax base. The Town will build up community resiliency and protect its quality infrastructure. The Town will embrace innovative solutions in government and be responsive to the growing need for public services, while prioritizing quality of life for our residents, now and into the future. Greece will remain a safe, desirable place to do business and for people of all ages to live, work, and play. The Plan includes recommendations for the adaptive reuse of existing building spaces, provide opportunities for growth without sprawl, encourage infill development to optimize use of existing infrastructure, increase waterfront resiliency to protect public and private investment, and protect environmentally sensitive areas.				
Capital Improvement Plan	Yes	Capital Improvements Budget	Local	Finance Department and Department of Public Works
How does this reduce risk? The Town has a five-year Capital Improvements Budget (CIP) which includes projects related to stormwater management and critical infrastructure.				
Disaster Debris Management Plan	Unofficial	N/A	County	Department of Public Works
How does this reduce risk? The Department of Public Works in coordination with Monroe County reduces risks by removing and clearing trees and other similar debris, as a result of significant events, from public roads to ensure continued access and use.				
Floodplain Management or Watershed Plan	Yes	Basin Area/Level Plan(s)	Local	Department of Public Works
How does this reduce risk?				
Stormwater Management Plan	Yes	2018 – Construction and Design Specifications	Local	Department of Public Works
How does this reduce risk? Provides a consistent mechanism for mitigating the adverse impacts of development and to manage significant weather and flooding events.				
Open Space Plan	Yes	2016 – Parks and Recreation Master Plan	Local	Department of Parks and Recreation/Planning & Economic Development
How does this reduce risk? This reduces risk by the fact that many town parks contain environmentally sensitive areas such as floodplains, wetlands, and riparian areas. By remaining in public ownership, this protects these areas from development and the risk associated with it.				
Urban Water Management Plan	No	-	-	-
How does this reduce risk?				
Habitat Conservation Plan	No	-	-	-
How does this reduce risk?				
Economic Development Plan	Yes	2020 Economic Development Strategy	Local	Planning & Economic Development
How does this reduce risk? Works to place new businesses in existing buildings and tenant spaces in effort to preserve greenfield developments or developments in area that would be considered environmentally sensitive.				
Shoreline Management Plan		Article 34, Environmental Conservation Law, Coastal Erosion Hazard Areas 6 NYCRR Part 505, Coastal Erosion Management	State, Local	Technical Services

	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
		Regulations/ Chapter 83 of the Greece Town Code		
How does this reduce risk? Regulate in coastal areas subject to coastal flooding and erosion, land use and development activities so as to minimize or prevent damage or destruction to man-made property, natural protective features and other natural resources and to protect human life.				
Community Wildfire Protection Plan	No	-	-	-
How does this reduce risk?				
Community Forest Management Plan	Yes	Town of Greece Master Tree List	Local	Department of Public Works / Planning & Economic Development
How does this reduce risk? Provides the type of tree species to be utilized on Town streets and right-of-ways. Certain species may also provide stormwater management and mitigation purposes.				
Transportation Plan	No	-	-	-
How does this reduce risk?				
Agriculture Plan	No	-	-	-
How does this reduce risk?				
Climate Action/ Resiliency/Sustainability Plan	Yes	Town of Greece 2020 Comprehensive Plan: Land Use, Community & Economic Development	Local	Planning & Economic Development
How does this reduce risk? Goals of the Comprehensive Plan include increase waterfront resiliency to protect public and private investment and to protect environmentally sensitive areas.				
Tourism Plan	No	-	-	-
How does this reduce risk?				
Business/ Downtown Development Plan	No	-	-	-
How does this reduce risk?				
Other	Yes	Braddock Bay Restoration, 2014	Local/Federal	USACE
How does this reduce risk? The U.S. Army Corps of Engineers completed a feasibility study to plan the ecosystem restoration of Braddock Bay. The Bay is located on the shore of Lake Ontario, within the Town of Greece, and is considered one of the Rochester Embayment Great Lakes Areas of Concern. The restoration was determined necessary, as wave-driven erosion has created a gradual loss of both protective barrier beaches and over 100 acres of wetlands.				
Response/Recovery Planning				
Comprehensive Emergency Management Plan	Yes	Monroe County Emergency Management Plan	County, Local	Police, Department of Public Works
How does this reduce risk? The CEMP cover short-term response and long-term recovery to address communications, evacuation, and housing necessary for identified hazards.				
Continuity of Operations Plan	No	-	-	-
How does this reduce risk?				
Substantial Damage Response Plan	Yes	NYS CEDAR Program	State	New York State Department of State
How does this reduce risk? Coordinates damage assessment and recovery with local jurisdictions after a significant event.				
Strategic Recovery Planning Report	No	-	-	-
How does this reduce risk?				

	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Threat & Hazard Identification & Risk Assessment (THIRA)	No	-	-	-
How does this reduce risk?				
Post-Disaster Recovery Plan	Yes	NYS CEDAR Program	State	NYS Department of State
How does this reduce risk? Coordinates damage assessment and recovery with local jurisdictions after a significant event.				
Public Health Plan	No	-	-	-
How does this reduce risk?				
Other	No	-	-	-
How does this reduce risk?				

Development and Permitting Capability

The table below summarizes the capabilities of the Town of Greece to oversee and track development.

Table 9.10-3. Development and Permitting Capability

Indicate if your jurisdiction implements the following	Yes/No	Comment:
Do you issue development permits?	Yes	-
• If you issue development permits, what department is responsible?	N/A	Technical Services Department issues development permits for new and rehabilitated construction, etc.
• If you do not issue development permits, what is your process for tracking new development?	N/A	-
Are permits tracked by hazard area? (For example, floodplain development permits.)	Yes	Floodplain Management and Coastal Erosion Hazard Area
Do you have a buildable land inventory?	Yes	-
• If you have a buildable land inventory, please describe	N/A	Department of Planning and Economic Development maintains a inventory of available developed and undeveloped properties.
Describe the level of build-out in your jurisdiction.	N/A	Department of Planning and Economic Development through the use of GIS software can determine the amount of land currently developed and vacant land remaining for development town-wide.

Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Town of Greece and their current responsibilities that contribute to hazard mitigation.

Table 9.10-4. Administrative and Technical Capabilities

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
Administrative Capability		

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
Planning Board	Yes	The Planning Board has been given certain powers such as site plan review, adding or changing the Official Map of the Town, approval of plats, granting of special permits in specific instances and changes in the zoning conditions as part of plat approval.
Zoning Board of Adjustment	Yes	The Board of Zoning Appeals has been given certain powers, such as hearing appeals from decisions of the Building Inspector, granting special permits under specific circumstances, and granting variances under the proper circumstances from Chapter 211, Zoning, of the Code of the Town of Greece.
Planning Department	Yes	Planning and Economic Development
Mitigation Planning Committee	No	-
Environmental Board/Commission	No	-
Open Space Board/Committee	Yes	Planning &Economic Development, Parks & Recreation, and Public Works
Economic Development Commission/Committee	No	-
Public Works/Highway Department	Yes	The Public Works Department is responsible for engineering, the highway garage, traffic control, road repairs and improvements, bridges, machinery, snow removal, street lighting, sidewalks, sanitary sewers, refuse and composting, drainage and right-of-way shade trees.
Construction/Building/Code Enforcement Department	Yes	The Technical Services Department (Building Department)/Fire Marshal's Office reviews all plans for building permits to ensure compliance with zoning laws and building code requirements. The Technical Services Department/Fire Marshal's Office also performs periodic inspections during construction to ensure that the work complies with the approved plans and the building code. The Technical Services Department/Fire Marshal's Office also has standard practice handouts to assist you with your renovation project.
Emergency Management/Public Safety Department	Yes	Greece Police Department & Fire Districts
Warning Systems / Services (mass notification system, outdoor warning signals, etc.)	Yes	Available through Monroe County OEM.
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	Yes	Department of Public Works
Mutual aid agreements	Yes	Department of Public Works/Technical Services Department – Between Fire Departments/Districts
Human Resources Manual - Do any job descriptions specifically include identifying or implementing mitigation projects or other efforts to reduce natural hazard risk?	N/A	-
Other	N/A	-
Technical/Staffing Capability		
Planners or engineers with knowledge of land development and land management practices	Yes	Planning & Economic Development / Department of Public Works
Engineers or professionals trained in building or infrastructure construction practices	Yes	Department of Public Works
Planners or engineers with an understanding of natural hazards	Yes	Planning & Economic Development / Department of Public Works
Staff with expertise or training in benefit/cost analysis	Yes	Finance Department

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
Professionals trained in conducting damage assessments	Yes	Technical Services Department & Fire Marshal's Office
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	Yes	Planning & Economic Development / Department of Public Works
Environmental scientist familiar with natural hazards	No	-
Surveyor(s)	Yes	Department of Public Works
Emergency Manager	No	-
Grant writer(s)	Yes	Various Departments
Resilience Officer	No	-
Other (this could include stormwater engineer, environmental specialist, etc.)	Yes	Department of Public Works
Administrative/technical capability self-assessment		
Describe how your administrative/technical capabilities contribute to risk reduction in your community. The Town's administrative/technical capabilities, through its full-time, professional staff is able to contribute to risk reduction by including, but not limited to: the development review process, the creation of municipal plans and procedures with goals to do so, etc.		

Fiscal Capability

The table below summarizes financial resources available to the Town of Greece.

Table 9.10-5. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use? (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	Yes
Capital improvements project funding	Yes
Authority to levy taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	No
Impact fees for homebuyers or developers of new development/homes	Yes
Stormwater utility fee	Yes
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	Yes
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	Yes
Other federal or state Funding Programs	Yes
Open Space Acquisition funding programs	Yes
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	No

Education and Outreach Capability

The table below summarizes the education and outreach resources available to the Town of Greece.

Table 9.10-6. Education and Outreach Capabilities

Outreach Resources	Available? (Yes/No)	Comment:
Public information officer or communications office	Yes	Office of the Supervisor.

Outreach Resources	Available? (Yes/No)	Comment:
Personnel skilled or trained in website development	Yes	Office of the Supervisor
Hazard mitigation information available on your website	Yes	The Town's website provides informational resources, notably flooding and high-water events for residents to access.
Social media for hazard mitigation education and outreach	Yes	Facebook, Twitter
Citizen boards or commissions that address issues related to hazard mitigation	Yes	Planning Board & NYS REDI Commission
Warning systems for hazard events	Yes	In addition, residents have the ability to sign up for reverse 911 cell phone notifications of emergency situations through the Monroe County Emergency Communications Department.
Natural disaster/safety programs in place for schools	Yes	Local School Districts
Does the jurisdiction have any public outreach mechanisms / programs in place to inform citizens on natural hazards, risk, and ways to protect themselves during such events? • If yes, please describe.	Yes	Town of Greece website and social media.

Community Classifications

The table below summarizes classifications for community programs available to the Town of Greece.

Table 9.10-7. Community Classifications

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	Yes	5	October 2021
Building Code Effectiveness Grading Schedule (BCEGS)	Yes	Commercial – Class 3 Residential – Class 4	October 2021
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	Local Fire Districts	Annually
New York State Department of Environmental Conservation (NYSDEC) Climate Smart Community	No	-	-
Storm Ready Certification	No	(Monroe County is StormReady)	-
Firewise Communities classification	No	-	-
Other	No	-	-

Note:

N/A *Not applicable*

- *Unavailable*

Adaptive Capacity

Adaptive capacity is defined as "the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or respond to consequences" (IPCC 2014). Each jurisdiction has a unique combination of capabilities to adjust to, protect from, and withstand a future hazard event, future conditions, and changing risk. The table below summarizes the adaptive capacity for each identified hazard of concern and the jurisdiction's capability to address related actions using the following classifications:

- Strong: Capacity exists and is in use.
- Moderate: Capacity might exist; but is not used or could use some improvement.
- Weak: Capacity does not exist or could use substantial improvement.

Table 9.10-8. Adaptive Capacity

Hazard	Adaptive Capacity - Strong/Moderate/Weak
Disease Outbreak	Moderate
Drought	Moderate
Earthquake	Moderate
Extreme Temperature	Moderate
Flood	High
Hazardous Materials	Moderate
Infestation and Invasive Species	Weak
Landslide	Moderate
Severe Storm	Strong
Severe Winter Storm	Strong
Wildfire	Moderate

9.10.4 National Flood Insurance Program (NFIP) Compliance

This section provides specific information on the management and regulation of the regulatory floodplain, including current and future compliance with the NFIP. The Floodplain Administrator is responsible for maintaining this information and is listed in the Hazard Mitigation Planning Team table at the beginning of this annex.

National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the Town of Greece.

Table 9.10-9. NFIP Summary

Municipality	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties (FMA definition)	# RL Properties (NFIP definition)	# SRL Properties	# Policies in the 1% Flood Boundary
Town of Greece	192	63	$384,960	1	-	0	53

Source: FEMA Region 2 2015
Note (1): Policies, claims, repetitive loss, and severe repetitive loss statistics provided by FEMA Region 2, and are current as of June 30, 2015. The total number of repetitive loss properties does not include severe repetitive loss properties. Number of claims represents claims closed by June 30, 2015.
Note (2): Total building and content losses from the claims file provided by FEMA Region 2.
Note (3): Number of policies inside and outside of flood zones is based on latitude and longitude provided by FEMA Region 2 in the policy file. FEMA noted that for a property with more than one entry, more than one policy may have been in force, or more than one Geographic Information System (GIS) specification was possible. Number of policies and claims, and claims total, exclude properties outside Monroe County boundary, based on provided latitude and longitude coordinates.
RL FMA Definition Any insurable building that has incurred flood-related damage on two occasions, in which the cost of the repair, on the average, equaled or exceeded 25 percent of the market value of the structure at the time of each such flood event.
RL NFIP Definition Any insurable building for which two or more claims of more than $1,000 were paid by the National Flood Insurance Program (NFIP) within any rolling ten-year period, since 1978.

Flood Vulnerability Summary

The following table provides a summary of the NFIP program in the Town of Greece.

Table 9.10-10. NFIP Summary

NFIP Topic	Comments
Flood Vulnerability Summary	
Describe areas prone to flooding in your jurisdiction. • Do you maintain a list of properties that have been damaged by flooding?	A majority of the flood prone areas of the Town of Greece are located along the shore of Lake Ontario and adjoining bays/ponds, and the areas in close proximity to the town's dozen or so streams and tributaries.
Do you maintain a list of property owners interested in flood mitigation? • How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)?	The Town has mapped, using GIS, structures and properties which are located in the SFHA.
Are any RiskMAP projects currently underway in your jurisdiction? • If so, state what projects are underway.	No
How do you make Substantial Damage determinations? • How many were declared for recent flood events in your jurisdiction?	While the Town has not had any structures categorized as substantially damaged, a determination would be made either based on an analysis/review of the structure by town building inspectors, or if needed, the assistant of a registered design professional (e.g. architect or engineer).
How many properties have been mitigated (elevation or acquisition) in your jurisdiction? • If there are mitigation properties, how were the projects funded?	Mitigation properties were funded through grants provided by New York State and managed by Sheen Housing. Approximately 25-50± properties have been elevated with some being located in the SFHA or within close proximity, mostly along the Lake Ontario Shoreline.
Do your flood hazard maps adequately address the flood risk within your jurisdiction? • If not, state why.	For NFIP purposed, FEMA has mapped the Lake Ontario shoreline and a handful creeks and streams. However, there are still a half-dozen to a dozen tributaries that FEMA has not mapped and prone to flooding.
NFIP Compliance	
What local department is responsible for floodplain management?	Technical Services Department (Building Department), Department of Public Works, and the Department of Planning and Economic Development
Are any certified floodplain managers on staff in your jurisdiction?	Yes. Currently, The town has three (3) full-time staff members who are certified floodplain managers.
Do you have access to resources to determine possible future flooding conditions from climate change?	Access to resources is not strictly for climate change, but overall rise in water-levels, such as NOAA's Great Lakes – Lake Level Viewer.
Does your floodplain management staff need any assistance or training to support its floodplain management program? • If so, what type of assistance/training is needed?	The Town of Greece always welcomes additional training, regardless of topic, when available.
Provide an explanation of NFIP administration services you provide (e.g., permit review, GIS, education/outreach, inspections, engineering capability)	The Town of Greece provides development/permit review, GIS, education and outreach, and inspection services.
How do you determine if proposed development on an existing structure would qualify as a substantial improvement?	The proposed development and application materials would be in comparison to the town's local ordinance(s) and the NFIP.
What are the barriers to running an effective NFIP program in the community, if any?	Reliability of flooding mapping.
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? • If so, state the violations.	None known.
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?	Most recent Community Assistance Visit was April 27, 2018 and there is no documented date for Community Assistance Contact..

NFIP Topic	Comments
What is the local law number or municipal code of your flood damage prevention ordinance? • What is the date that your flood damage prevention ordinance was last amended?	Chapter 117 (Flood Damage Prevention). It was amended in its entirety June 19, 2018 by Local Law. No. 1-2018.
Does your floodplain management program meet or exceed minimum requirements? • If exceeds, in what ways?	The Town of Greece, through its participation in the CRS Program as a Class 5, exceed the minimum requirements through its participation in said program.
Are there other local ordinances, plans or programs (e.g., site plan review) that support floodplain management and meeting the NFIP requirements? For instance, does the planning board or zoning board consider efforts to reduce flood risk when reviewing variances such as height restrictions?	Yes, each Town land use board ways the impact of development on the natural and built areas of the Town. Its been a common practice of the Planning Board to prohibit development in floodplains and the Zoning Board to grant variances to pull development away from the floodplain or other environmentally sensitive areas.
Does your community plan to join the CRS program or is your community interested in improving your CRS classification?	Yes. The Town is interested in improving the CRS classification. Currently, the Town of Greece is a Class 5.

9.10.5 Evacuation, Sheltering, Temporary Housing, and Permanent Housing

Evacuation routes, sheltering measures, temporary housing, and permanent housing must be in place and available for public awareness to protect residents, mitigate risk, and relocate residents, if necessary, to maintain post-disaster social and economic stability.

Evacuation Routes and Procedures

The Town of Greece identified the following routes and procedures to evacuate residents prior to and during an event.

- The Town will identify the hazard event risks and make decisions for evacuation and outreach using the Resident Outreach Plan and Event Removal Plan.
- The Town will use the major corridors from the north to south for evacuation. All of these corridors are clear from flooding and other hazard risks and direct routes.

Sheltering

The Town of Greece has identified the following designated emergency shelters within the Town.

Table 9.10-11. Designated Emergency Shelters

Site Name	Address	Capacity (# of people)	Accommodates Pets?	ADA Compliant?	Backup Power?	Types of Medical Services Provided	Other Services Provided
Town Hall/ Community Center	1 Vince Tofany Boulevard	Unknown	Yes	Yes	Yes	Unknown	Restrooms, heat, kitchen
Arcadia High School	120 Island Cottage Road	Unknown	Unknown	Yes	Unknown	Unknown	Restrooms, heat, kitchen/food services
Athena High School	800 Long Pond Road	Unknown	Unknown	Yes	Unknown	Unknown	Restrooms, heat, kitchen/food services

Site Name	Address	Capacity (# of people)	Accommodates Pets?	ADA Compliant?	Backup Power?	Types of Medical Services Provided	Other Services Provided
Olympia High School	1139 Maiden Lane	Unknown	Unknown	Yes	Unknown	Unknown	Restrooms, heat, kitchen/food services

Temporary Housing

Each jurisdiction must identify sites for placement of temporary housing units to house residents displaced by a disaster. The Town of Greece has identified the following sites suitable for placing temporary housing units.

Table 9.10-12. Temporary Housing Locations

Site Name	Site Address	Capacity (number of sites)	Type	Infrastructure / Utilities Available (water, electric, septic, etc.)	Actions Required to Ensure Conformance with the NYS Uniform Fire Prevention and Building Code
None identified					

Permanent Housing

Structures located in the regulatory floodplain might need to be relocated due to high flood risk or new properties must be built once severely damaged properties are demolished. Jurisdictions must identify suitable sites currently owned by the jurisdiction and potential sites under private ownership that meet applicable local zoning requirements and floodplain laws. The Town of Greece has identified the following areas suitable for relocating homes outside of the floodplain.

Table 9.10-13. Permanent Housing Locations

Site Name	Site Address	Capacity (number of sites)	Type	Infrastructure / Utilities Available (water, electric, septic)	Actions Required to Ensure Conformance with the NYS Uniform Fire Prevention and Building Code
None identified					

9.10.6 Growth/Development Trends

Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to appreciating a jurisdiction's overall risk to its hazards of concern. Table 9.10-14 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development.

Table 9.10-14. Recent and Expected Future Development

Type of Development	2017		2018		2019		2020		2021		2022	
Number of Building Permits for New Construction Issued Since the Previous HMP* (within regulatory floodplain/ Outside regulatory floodplain)												
	Total	**Within SFHA**	**Total**	**Within SFHA**	**Total**	**Within SFHA**	**Total**	**Within SFHA**	**Total**	**Within SFHA**	**Total**	**Within SFHA**
Single Family	153	101	174	80	86	26	98	54	91	34	Final statistics for 2022 were not available for this HMP update.	
Multi-Family	7	0	30	0	26	0	10	0	19	0		
Other (commercial, mixed-use, etc.)	24	0	25	0	18	1	2	0	9	0		
Total New Construction Permits Issued	**184**	**101**	**229**	**80**	**130**	**27**	**110**	**54**	**119**	**34**		

Property or Development Name	Type of Development	# of Units / Structures	Location (address and/or block and lot)	Known Hazard Zone(s)*	Description / Status of Development
Recent Major Development and Infrastructure from 2017 to Present					
None Identified					
Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years					
None Identified					

SFHA Special Flood Hazard Area (1% flood event)

** Only location-specific hazard zones or vulnerabilities identified.*

9.10.7 Jurisdictional Risk Assessment

The hazard profiles in Volume 1, Section 5 (Risk Assessment) provide detailed information regarding each plan participant's vulnerability to the identified hazards. Section 5.2 (Methodology and Tools) and Section 5.4 (Hazard Ranking) provide detailed summaries for the Town of Greece's risk assessment results and data used to determine the hazard ranking discussed later in this section.

Hazard area extent and location maps provided below illustrate the probable areas impacted within the jurisdiction based on the best available data at the time of the preparation of this plan and are adequate for planning purposes. Maps were generated only for those hazards that can be identified clearly using mapping techniques and technologies and for which the Town of Greece has significant exposure. The maps also show the location of potential new development, where available.

Figure 9.10-1. Town of Greece Hazard Area Extent and Location Map 1

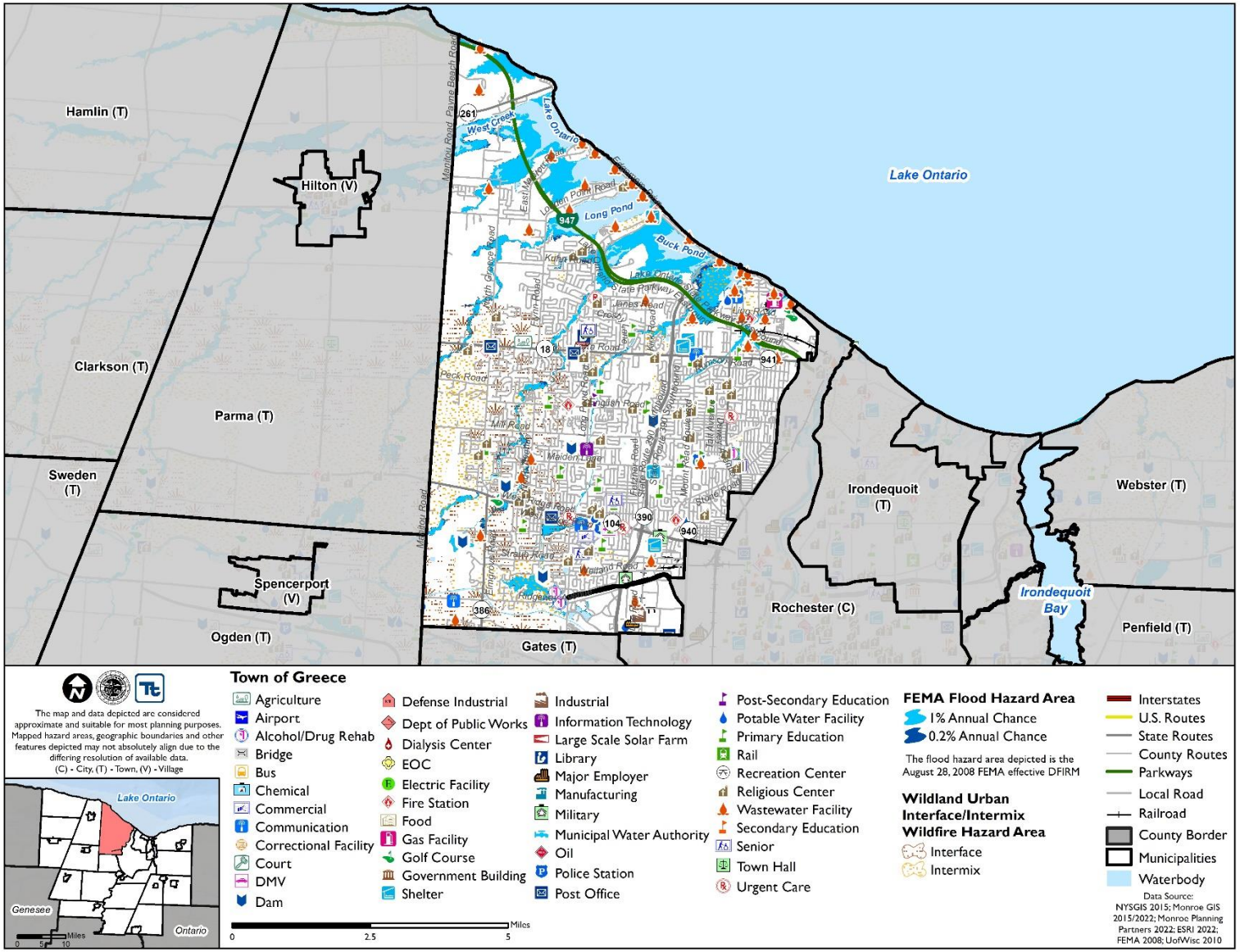
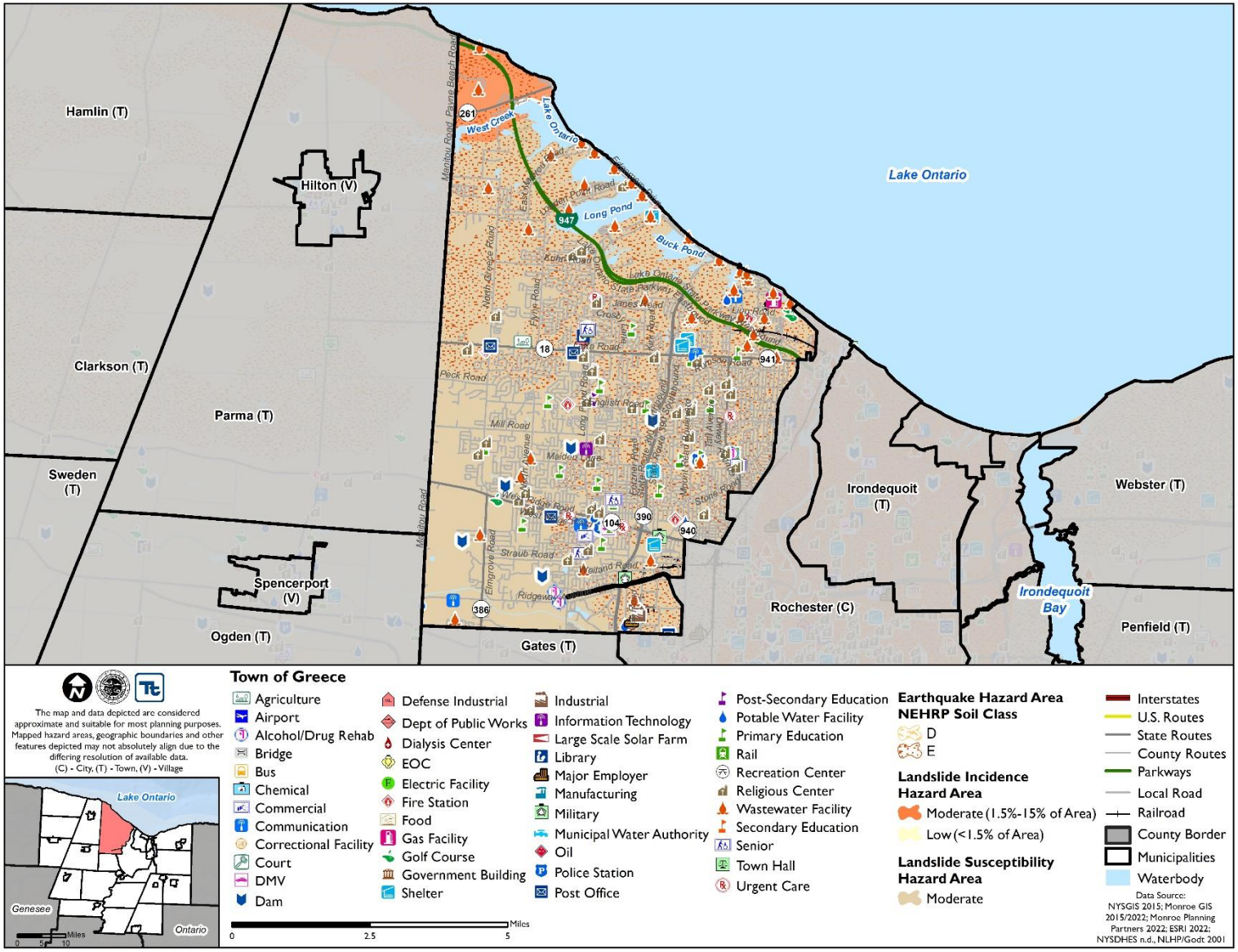


Figure 9.10-2. Town of Greece Hazard Area Extent and Location Map 2



Hazard Event History

Monroe County has a history of natural and non-natural hazard events, as detailed in Volume I, Section 5 (Risk Assessment). A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the County and its municipalities.

The Town of Greece's history of federally-declared (as presented by FEMA) and significant hazard events [as presented in NOAA-National Centers for Environmental Information (NCEI)] is consistent with that of the County. Table 9.10-15 provides details regarding municipal-specific loss and damages the Town experienced during hazard events since the last hazard mitigation plan update. Information provided in the table below is based on reference material or local sources.

Table 9.10-15. Hazard Event History

Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses
March 8, 2017	High Wind	No	Unusually deep low pressure moved from northwest Ontario across Hudson Bay. The low brought strong winds to the entire region with sustained winds up to 49 mph and wind gusts as high as 81 mph. A significant amount of damage resulted with 100,000 without power in Monroe County alone.	Although the County was impacted, the Town did not report significant impacts.
May 2-August 6, 2017	Flooding (DR-4348)	Yes	During the first six months of 2017, more than twice the normal amount of water accumulated on Lake Ontario. The lake reached a record level of 248.95 feet. Flooding began in early May and continued into early fall.	Localized flooding of Lake Shore Drive and portions of Edgemere Drive.
May-June 2019	Lakeshore Flood	No	Excessive runoff into the Ottawa River Basin in Canada restricted the outlet of Lake Ontario. This combined with above normal precipitation into the Lake Ontario Basin, record levels on the Great Lakes above Lake Ontario, and higher than normal flows into the lake from the Niagara River pushed the lake to well above normal levels.	Localized flooding of Lake Shore Drive and portions of Edgemere Drive.
October 31, 2019	High Wind and Flooding	No	A deepening area of consolidated low pressure tracked across the region. This system brought record breaking Halloween rains, damaging wind gusts, and a small Lake Ontario seiche	Although the County was impacted, the Town did not report significant impacts.
January 20, 2020 – Present	Covid-19 Pandemic (EM-3434) (DR-4480)	Yes	Between March 1, 2020 and July 20, 2022, Monroe County reported 171,851 confirmed cases of COVID-19, and 1,660 total fatalities.	Economic/Fiscal (2nd Quarter -2020) losses due to closure of sectors of the local economy.

Notes:

EM *Emergency Declaration (FEMA)*

FEMA *Federal Emergency Management Agency*

DR *Major Disaster Declaration (FEMA)*

N/A *Not applicable*

Hazard Ranking and Vulnerabilities

The hazard profiles in Volume 1, Section 5 (Risk Assessment) have detailed information regarding each plan participant's vulnerability to the identified hazards. The following summarizes the Town of Greece's risk assessment results and data used to determine the hazard ranking.

Hazard Ranking

This section provides the community specific identification of the primary hazard concerns based on identified problems, impacts and the results of the risk assessment as presented in Volume 1, Section 5 (Risk Assessment). The ranking process involves an assessment of the likelihood of occurrence for each hazard; the potential impacts of the hazard on people, property, and the economy; and community capabilities to address the hazard and changing future climate conditions. Mitigation action development uses the inputs from the evaluation to target those hazards with highest level of concern.

As discussed in Volume 1, Section 5.3 (Hazard Ranking), each participating jurisdiction has differing degrees of risk exposure and vulnerability compared with the County as a whole. Therefore, each municipality ranked the degree of risk to each hazard as it pertains to their community. The table below summarizes the hazard risk/vulnerability rankings of potential natural hazards for the Town of Greece. The Town of Greece reviewed the County hazard risk/vulnerability risk ranking table and individual results to reflect the relative risk of the hazards of concern to the community.

During the review of the hazard/vulnerability risk ranking, the Town indicated the following:

- The Town agreed with the calculated hazard rankings.

Table 9.10-16. Hazard Ranking Input

Disease Outbreak	Drought	Earthquake	Extreme Temperature	Flood	Hazardous Materials
Low	Medium	Low	Medium	High	Low

Infestation and Invasive Species	Landslide	Severe Storm	Severe Winter Storm	Wildfire
Low	Low	High	High	Medium

Note: The scale is based on the hazard rankings established in Volume 1, Section 5.3 (Hazard Ranking) and modified as appropriate during review by the jurisdiction

Critical Facilities

NYSDEC Statute 6 CRR-NY 502.4 sets forth floodplain management criteria for State projects located in flood hazard areas. The law states that no such projects related to critical facilities shall be undertaken in a SFHA unless constructed according to specific mitigation specifications, including being raised 2' above the Base Flood Elevation (BFE). This statute is outlined at http://tinyurl.com/6-CRR-NY-502-4. While all vulnerabilities should be assessed and documented, New York State places a high priority on exposure to flooding. Critical facilities located in an SFHA, or having ever sustained previous flooding, must be protected to the 0.2-percent annual chance flood event or worst damage scenario. For those that do not meet these criteria, the jurisdiction must identify an action to achieve this level of protection (NYS DHSES 2017).

The table below identifies critical facilities in the community located in the 1-percent and 0.2-percent floodplain and presents Hazus-MH estimates of the damage and loss of use to critical facilities as a result of a 1-percent annual chance flood event.

Table 9.10-17. Potential Flood Losses to Critical Facilities

Name	Type	Exposure		Addressed by Proposed Action	Already Protected to 0.2% Flood Level (describe protections)
		1% Event	0.2% Event		
Greece Ridge	Communication	X	X	2023-Town of Greece-008	Unknown
Lakeview Community Church	Shelter	X	X	2023-Town of Greece-008	Unknown
Island Cottage E-One Greece Pump Station	Wastewater Pump Station	X	X	2023-Town of Greece-009	Unknown
Island Cottage Pump Station	Wastewater Pump Station	-	X	-	-
PS-25	Sanitary Pump Station	X	X	2023-Town of Greece-009	Unknown
Larkin Creek Dam	Dam	X	X	2023-Town of Greece-007	Unknown
Round Pond Creek Dam	Dam	X	X	2023-Town of Greece-007	Unknown

Source: FEMA 2008; Monroe County GIS 2022

In addition to critical facilities that are exposed to flooding, the following high hazard dams are located in or could impact the Town of Greece:

- English Road Detention Facility Dam
- Larkin Creek Dam
- Round Pond Creek Dam

Identified Issues

After review of the Town of Greece's hazard event history, hazard rankings, jurisdiction specific vulnerabilities, hazard area extent and location, and current capabilities, the Town of Greece identified the following vulnerabilities within their community:

- Frequent flooding events have resulted in damages to residential properties in the Town of Greece. These properties have been repetitively flooded as documented by paid NFIP claims. The Town has had repetitive loss properties, but other properties may be impacted by flooding as well. The Town maintains an inventory of flood-damaged properties.
- The Lakefront Pump Station could be exposed to flooding. Flooding of the facility could knock the Pump Station offline and cause flooding in the surrounding area.
- The Town can be impacted by hazards that are not as frequent or do not have the same severity of impact. Residents are not always aware of the risks these hazards present.
- Currently, the Town of Greece is a Class 5 in the Community Rating System. The Town is interested in improving the CRS classification. Remapping of the FEMA FIRM is likely to result in additional properties in the floodplain, adding new properties with flood insurance requirements and underscoring the potential benefits of the CRS program.
- Monroe County coastal municipalities are currently undergoing a FIRM update which may result in changes in building requirements.
- The Town lacks an official evacuation plan.
- The Town has several high hazard dams. High hazard dams have a high risk of loss of life and damage to property if they fail.

- While major events that result in substantial damage of structures are rare, municipalities need to have official procedures in place to inspect structures, make determinations, and provide for appeals.
- The Town does not have designated emergency shelters and has not identified locations for the placing of temporary housing and permanent housing.

9.10.8 Mitigation Strategy and Prioritization

This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and prioritizes actions to address over the next five years.

Past Mitigation Initiative Status

The following table indicates progress on the community's mitigation strategy identified in the 2017 HMP. Actions that are in progress are carried forward and combined with new actions as part of this plan update and are included in the tables with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such and previously presented in the 'Capability Assessment' earlier in this annex.

Table 9.10-18. Status of Previous Mitigation Actions

Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if project status is complete)		1. Next Steps Project to be included in 2023 HMP or Discontinue 2. If including action in the 2023 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
TGr-1	Review the Town's Flood Damage Prevention Ordinance, last updated in 2002, and update ordinance language to reflect current DFIRM dates and other practices. Consider adopting higher regulatory standards (e.g., greater freeboard, compensatory storage, and cumulative substantial damage/ improvements).	Flood		Town Development Services, Town Technical Services and Engineering	Complete	Cost	negligible	1. Include in 2023 HMP
						Level of Protection	The Ordinance was inconsistent with the Concurrent Standards that were applied.	2. Will require an update when the FEMA maps are updated and if a study is undertaken to better define an area covered by the 1975 COE Study.
						Damages Avoided; Evidence of Success	New and substantial improvement projects are generally less exposed	3.
TGr-2	Develop an inventory or spreadsheet in which to track flood-damaged properties after severe storms. The inventory should include the type of property (residential, commercial, or industrial) whether a substantial damage estimate was conducted, and whether the property owner is interested in mitigation	Flood, Severe Storm	This information is challenging to acquire	Town Technical Services	Ongoing Capability	Cost		1. Discontinue
						Level of Protection		2.
						Damages Avoided; Evidence of Success		3. Ongoing capability. The Town will continue to collect relevant data.
TGr-3	Evaluate the flood vulnerability of the Town police station and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.	Flood		Supervisor and Town Board	Complete	Cost		1. Discontinue
						Level of Protection	The Police Headquarters has been relocated to above the .2 percent flood hazard	2.

Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if project status is complete)		1. Next Steps Project to be included in 2023 HMP or Discontinue 2. If including action in the 2023 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Damages Avoided; Evidence of Success		3. Complete
TGr-4	Public Safety Information Dissemination (Before Event) – Conduct education and outreach to residents and business owners to inform them if their properties are in known hazard areas, and actions they can take to protect their properties from hazards.	Earthquake, Extreme Temperature, Flood, Infestation, Landslide, Severe Storms, Severe Winter Storms, Wildfire, HazMat, Utility Failure		Town Clerk	No Progress	Cost		1. Include in 2023 HMP
						Level of Protection		2.
						Damages Avoided; Evidence of Success		3.
TGr-5	Public Safety Information Dissemination (During and Post-Event) – Coordinate with Monroe County Emergency OPS PIO and disseminate information to the public via various forms of media.	All Hazards		Town of Greece Police Department (included in Town Emergency Preparedness Plan)	No Progress	Cost		1. Include in 2023 HMP
						Level of Protection		2.
						Damages Avoided; Evidence of Success		3.
TGr-6	Develop a Mass Evacuation Plan for the Town	All Hazards		Town Supervisor, Monroe County OEM	No Progress	Cost		1. Include in 2023 HMP
						Level of Protection		2. Continue to collect relevant data.
						Damages Avoided; Evidence of Success		3.
TGr-7	Evaluate the flood vulnerability of the town's communications tower and identify feasible mitigation actions to reduce risk	Flood		FPA; Engineer	No Progress	Cost		1. Discontinue
						Level of Protection		2.
						Damages Avoided; Evidence of Success		3. No longer a priority

Project #	Project	Hazard(s) Addressed	Brief Summary of the Original Problem	Responsible Party	Status (In Progress, Ongoing, No Progress, Complete)	Evaluation of Success (if project status is complete)		1. Next Steps Project to be included in 2023 HMP or Discontinue 2. If including action in the 2023 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
	to the 0.2 percent annual chance flood.							
TGr-8	Evaluate the flood vulnerability of the Lakeview Community Church and identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.	Flood		FPA; Engineer	No Progress	Cost Level of Protection Damages Avoided; Evidence of Success		1. Include in 2023 HMP 2. 3.

Additional Mitigation Efforts

In addition to the mitigation initiatives completed in Table 9.10-18, the Town of Greece identified the following mitigation efforts completed since the last HMP:

- None identified

Since the adoption of the County's first HMP, the Town of Greece has made significant mitigation progress in the following areas:

- Approximately 25-50± properties have been elevated with some being located in the SFHA or within close proximity, mostly along the Lake Ontario Shoreline.

Proposed Hazard Mitigation Initiatives for the HMP Update

The Town of Greece participated in a mitigation action workshop in October 2022 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 'Selecting Appropriate Mitigation Measures for Floodprone Structures' (March 2007) and FEMA 'Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards' (January 2013).

The table below indicates the range of proposed mitigation action categories. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table to further demonstrate the wide-range of activities and mitigation measures selected.

Table 9.10-19. Analysis of Mitigation Actions by Hazard and Category

	FEMA				CRS					
Hazard	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Disease Outbreak	X	-	-	X	X	X	X	-	-	X
Drought	X	-	-	X	X	X	X	-	-	X
Earthquake	X	-	-	X	X	X	X	-	-	X
Extreme Temperature	X	-	-	X	X	X	X	-	-	X
Flood	X	X	-	X	X	X	X	-	X	X
Hazardous Materials	X	-	-	X	X	X	X	-	-	X
Infestation and Invasive Species	X	-	-	X	X	X	X	-	-	X
Landslide	X	-	-	X	X	X	X	-	-	X
Severe Storm	X	-	-	X	X	X	X	-	-	X
Severe Winter Storm	X	-	-	X	X	X	X	-	-	X
Wildfire	X	-	-	X	X	X	X	-	-	X

Note: Mitigation categories are described below the Mitigation Initiatives Table (Table 9.10-20).

The table below summarizes the specific mitigation initiatives the Town of Greece would like to pursue in the future to reduce the effects of hazards. The initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities.

Table 9.10-20. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
2023-Town of Greece-001	Residential Structure Flood Mitigation	1, 3	Severe Storm, Flood	**Problem**: Frequent flooding events have resulted in damages to residential properties in the Town of Greece. These properties have been repetitively flooded as documented by paid NFIP claims. The Town has had repetitive loss properties, but other properties may be impacted by flooding as well. The Town maintains an inventory of flood-damaged properties. **Solution**: The Town will conduct outreach to 25 flood-prone property owners, including RL/SRL property owners and provide information on mitigation alternatives. After preferred mitigation measures are identified, collect required property-owner information and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving/elevating residential homes in the flood prone areas that experience frequent flooding (high risk areas).	No	None	3 years	NFIP Floodplain Administrator, supported by homeowners	High	Eliminates flood damage to homes and residents, creates open space for the municipality increasing flood storage.	FEMA HMGP, PDM and FMA, local cost share by residents	High	SIP	PP
2023-Town of Greece-002	Lakefront Pump Station Flood Protection	3	Flood	**Problem**: The Lakefront Pump Station could be exposed to flooding. Flooding of the facility could knock the Pump Station offline and cause flooding in the surrounding area.	Yes	None	3 years	Engineer	High	Pump stations projected from flood damages, continuity	Lake Ontario Resiliency and Economic Developm	High	SIP	PP

Table 9.10-20. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
				Solution: The Town will elevate the access points to the Lakefront Pump Station.						of critical services	ent Initiative			
2023-Town of Greece-003	Hazard Outreach	1, 4	All Hazards	**Problem:** The Town can be impacted by hazards that are not as frequent or do not have the same severity of impact. Residents are not always aware of the risks these hazards present. **Solution**: The Town will conduct education and outreach to residents and business owners to inform them if their properties are in known hazard areas, and actions they can take to protect their properties.	No	None	1 year	Administration, Town Clerk, Police Department	Staff time	Increased public awareness	Town budget	High	EAP	PI
2023-Town of Greece-004	CRS Program	1, 2, 3, 4	Flood	**Problem**: Currently, the Town of Greece is a Class 5 in the Community Rating System. The Town is interested in improving the CRS classification. Remapping of the FEMA FIRM is likely to result in additional properties in the floodplain, adding new properties with flood insurance requirements and underscoring the potential benefits of the CRS program. **Solution**: The Town will review current scoring in the CRS program and pre-requisites that would be needed to move to a higher class ranking. The Town will evaluate how potential actions in the program would align with current Town goals	No	None	Within 5 years	FPA	Staff time	Increased class ranking, improved floodplain management, and reduction in flood insurance premiums for residents	Town budget	High	LPR	PR

Table 9.10-20. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
				and pursue points in appropriate areas.										
2023-Town of Greece-005	FIRM updates	1, 2, 4	Flood	**Problem**: Monroe County coastal municipalities are currently undergoing a FIRM update which may result in changes in building requirements. **Solution**: The municipality will review preliminary mapping from FEMA and provide input and feedback on the preliminary maps. Once the maps are finalized, the municipality will adopt the FIRM through an updated Flood Damage Prevention Ordinance. The municipality will assist FEMA in outreach concerning the new maps and conduct outreach on any potential changes to building/insurance requirements. The Town will also consider potential higher standards when adopting the new ordinance.	No	None	Within 2 years	FEMA, FPA, Town Development Services, Town Technical Services and Engineering	Staff time	Improvement in best available data, increased public awareness	Municipal budget	High	LPR, EAP	PR, PI
2023-Town of Greece-006	Mass Evacuation Plan	1, 3	All Hazards	**Problem:** The Town lacks an official evacuation plan. **Solution:** The Town will collect relevant data and develop a Mass Evacuation Plan.	No	None	2 years	OEM	Staff time	Increased emergency capabilities	Town budget	High	LPR	ES
2023-Town of Greece-007	High Hazard Dams	3	Flood	**Problem:** The Town has several high hazard dams. High hazard dams have a high risk of loss of life and damage to property if they fail. **Solution:** The Town will complete engineering evaluations of each high hazard	Yes	Permitting may be necessary	Within 5 years	Engineer	Medium for engineering evaluation, potentially high for modificatio	High hazard dams protected	BRIC, PDM, HMGP, FMA, HHPD grant program	High	SIP	SP

Table 9.10-20. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
				dam and determine if actions are needed to prevent potential dam failure. Any necessary modifications and protections will be implemented.					ns or protections					
2023-Town of Greece-008	Critical Facility Flood Outreach	3, 4	Flood	**Problem:** The following critical facilities are located in the 1% floodplain: • Greece Ridge • Lakeview Community Church • Island Cottage E-One Greece Pump Station **Solution**: The FPA will conduct outreach to the facility owners and assist with the evaluation of the flood vulnerability of each facility. If necessary, the FPA will help identify feasible mitigation actions to reduce risk to the 0.2 percent annual chance flood.	Yes	None	Within 6 months	FPA	Staff time	Facility managers aware of potential flood risk and mitigation alternatives	Town budget	High	EAP	PI
2023-Town of Greece-009	Critical Facility Flood Protection	3	Flood	**Problem:** The following Town owned critical facilities are located in the 1% floodplain: • Greece Ridge • Lakeview Community Church • Island Cottage E-One Greece Pump Station • PS-25 **Solution:** The Town will conduct a feasibility assessment to determine what additional floodproofing measures are needed at each facility to protect	Yes	None	Within 5 years	Engineer	High	Ensures continuity of operations of critical facilities	FEMA HMGP, BRIC, PDM, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG)	High	SIP	PP

Table 9.10-20. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem and Solution	Critical Facility (Yes/No)	EHP Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
				each to the 500-year flood level. Options include: • Elevation of facility • Floodproofing of facility • Mobile flood barriers Once the most cost-effective option is identified, the Town will carry out the option.							Program, REDI Grant program, Town Budget			
2023-Town of Greece-010	Substantial Damage Procedures	1, 2, 3	All Hazards	**Problem:** While major events that result in substantial damage of structures are rare, municipalities need to have official procedures in place to inspect structures, make determinations, and provide for appeals. **Solution:** The municipality will develop official procedures for Substantial Damage and Substantial Improvement determinations.	No	None	Within 5 years	FPA	Staff time	Meet NFIP requirements, improved floodplain administration	Municipal budget	High	LPR	PP, PR
2023-Town of Greece-011	Sheltering, Temporary and Permanent Housing	1, 3	All Hazards	**Problem:** The Town does not have designated emergency shelters and has not identified locations for the placing of temporary housing and permanent housing. **Solution:** The Town will work with neighbors and Monroe County to identify shelters and locations for temporary and permanent housing.	Yes	None	1 year	OEM, Administration, Monroe County, neighboring municipalities	Staff time	Emergency shelters and locations for temporary and permanent housing identified.	Municipal budget	High	LPR	ES

Notes:

Not all acronyms and abbreviations defined below are included in the table.

Acronyms and Abbreviations: *Potential FEMA HMA Funding Sources:* *Timeline:*

CAV	*Community Assistance Visit*
CRS	*Community Rating System*
DPW	*Department of Public Works*
EHP	*Environmental Planning and Historic Preservation*
FEMA	*Federal Emergency Management Agency*
FPA	*Floodplain Administrator*
HMA	*Hazard Mitigation Assistance*
N/A	*Not applicable*
NFIP	*National Flood Insurance Program*
OEM	*Office of Emergency Management*
FMA	*Flood Mitigation Assistance Grant Program*
HMGP	*Hazard Mitigation Grant Program*
BRIC	*Building Resilient Infrastructure and Communities Program*

The time required for completion of the project upon implementation.

Cost:

The estimated cost for implementation.

Benefits:

A description of the estimated benefits, either quantitative and/or qualitative.

Critical Facility:

Yes *Critical Facility located in 1% floodplain*

Mitigation Category:

- *Local Plans and Regulations (LPR)—These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.*
- *Structure and Infrastructure Project (SIP)—These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures, as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.*
- *Natural Systems Protection (NSP)—These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.*
- *Education and Awareness Programs (EAP)—These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.*

CRS Category:

- *Preventative Measures (PR)—Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.*
- *Property Protection (PP)—These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.*
- *Public Information (PI)—Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.*
- *Natural Resource Protection (NR)—Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.*
- *Structural Flood Control Projects (SP)—Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.*
- *Emergency Services (ES)—Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities.*

The prioritization criteria provided in Volume 1, Section 6 (Mitigation Strategy) identify 14 evaluation/prioritization criteria to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing actions as 'High', 'Medium', or 'Low.' The table below provides a summary of the prioritization of all proposed mitigation initiatives for the HMP update.

Table 9.10-21. Summary of Prioritization of Actions

Project Number	Project Name	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
2023-Town of Greece-001	Residential Structure Flood Mitigation	1	1	1	1	1	1	0	1	0	0	1	0	1	1	10	High
2021-Town of Greece-002	Lakefront Pump Station Flood Protection	1	1	1	1	1	1	1	1	1	1	0	1	1	1	13	High
2021-Town of Greece-003	Hazard Outreach	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	High
2021-Town of Greece-004	CRS Program	1	1	1	1	1	1	1	1	1	1	0	0	1	1	12	High
2023-Town of Greece-005	FIRM updates	0	1	1	1	1	1	1	1	1	1	0	1	1	1	12	High
2023-Town of Greece-006	Mass Evacuation Plan	1	0	1	1	1	1	1	1	1	1	1	1	1	1	13	High
2023-Town of Greece-007	High Hazard Dams	1	1	1	1	1	0	0	1	1	1	0	0	1	1	10	High
2023-Town of Greece-008	Critical Facility Flood Outreach	1	1	1	1	1	0	1	1	1	1	0	1	1	1	12	High
2023-Town of Greece-009	Critical Facility Flood Protection	1	1	1	1	1	1	0	1	1	1	0	0	1	1	11	High
2023-Town of Greece-010	Substantial Damage Procedures	0	1	1	1	1	1	1	1	1	1	1	0	1	1	12	High
2023-Town of Greece-011	Sheltering, Temporary and Permanent Housing	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14	High

Note: Volume 1, Section 6 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions. Low (0-4), Medium (5-8), High (9-14).

9.10.9 Action Worksheets

The following action worksheets were developed by the Town of Greece to aid in the submittal of grant applications to support the funding of high priority proposed actions.

Action Worksheet			
Project Name:	Residential Structure Flood Mitigation		
Project Number:	2023-Town of Greece-001		
Risk / Vulnerability			
Hazard(s) of Concern:	Severe Storm, Flood		
Description of the Problem:	Frequent flooding events have resulted in damages to residential properties in the Town of Greece. These properties have been repetitively flooded as documented by paid NFIP claims. The Town has had repetitive loss properties, but other properties may be impacted by flooding as well. The Town maintains an inventory of flood-damaged properties.		
Action or Project Intended for Implementation			
Description of the Solution:	The Town will conduct outreach to 25 flood-prone property owners, including RL/SRL property owners and provide information on mitigation alternatives. After preferred mitigation measures are identified, collect required property-owner information and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving/elevating residential homes in the flood prone areas that experience frequent flooding (high risk areas).		
Is this project related to a Critical Facility or Lifeline?	Yes ☐	No ☒	
Is this project related to a Critical Facility located within the 100-year floodplain?	Yes ☐	No ☒	
(If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
Level of Protection:	1% annual chance flood event + freeboard *(in accordance with flood ordinance)*	**Estimated Benefits (losses avoided):**	Eliminates flood damage to homes and residents, creates open space for the municipality increasing flood storage.
Useful Life:	Acquisition: Lifetime Elevation: 30 years (residential)	**Goals Met:**	1, 3
Estimated Cost:	High	**Mitigation Action Type:**	Structure and Infrastructure Project
Plan for Implementation			
Prioritization:	High	**Desired Timeframe for Implementation:**	6-12 months
Estimated Time Required for Project Implementation:	Three years	**Potential Funding Sources:**	FEMA HMGP and FMA, local cost share by residents
Responsible Organization:	NFIP Floodplain Administrator, supported by homeowners	**Local Planning Mechanisms to be Used in Implementation if any:**	Hazard Mitigation
Three Alternatives Considered (including No Action)			
Alternatives:	**Action**	**Estimated Cost**	**Evaluation**
	No Action	$0	Current problem continues
	Elevate homes	$500,000	When this area floods, the entire area is impacted; elevating homes would not eliminate the problem and still lead to road closures and impassable roads
	Elevate roads	$500,000	Elevated roadways would not protect the homes from flood damages
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			

Update Evaluation of the Problem and/or Solution:	

Action Worksheet		
Project Name:	Residential Structure Flood Mitigation	
Project Number:	2023-Town of Greece-001	
Criteria	**Numeric Rank (-1, 0, 1)**	**Provide brief rationale for numeric rank when appropriate**
Life Safety	1	Families moved out of high-risk flood areas.
Property Protection	1	Properties removed from high-risk flood areas.
Cost-Effectiveness	1	Cost-effective project
Technical	1	Technically feasible project
Political	1	
Legal	1	The Town has the legal authority to conduct the project.
Fiscal	0	Project will require grant funding.
Environmental	1	
Social	0	Project would remove families from the flood prone areas of the Town.
Administrative	0	
Multi-Hazard	1	Severe Storm, Flood
Timeline	0	
Agency Champion	1	NFIP Floodplain Administrator, supported by homeowners
Other Community Objectives	1	
Total	10	
Priority (High/Med/Low)	High	

Action Worksheet			
Project Name:	High Hazard Dams		
Project Number:	2023-Town of Greece-007		
Risk / Vulnerability			
Hazard(s) of Concern:	Flood		
Description of the Problem:	The Town has several high hazard dams. High hazard dams have a high risk of loss of life and damage to property if they fail.		
Action or Project Intended for Implementation			
Description of the Solution:	The Town will complete engineering evaluations of each high hazard dam and determine if actions are needed to prevent potential dam failure. Any necessary modifications and protections will be implemented.		
Is this project related to a Critical Facility or Lifeline?	Yes ☒	No ☐	
Is this project related to a Critical Facility located within the 100-year floodplain?	Yes ☒	No ☐	
(If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
Level of Protection:	500-year flood	**Estimated Benefits (losses avoided):**	Dam failure avoided, meet safety requirements
Useful Life:	50 years	**Goals Met:**	3
Estimated Cost:	Medium for engineering evaluation, potentially high for modifications or protections	**Mitigation Action Type:**	Structure and Infrastructure Project
Plan for Implementation			
Prioritization:	High	**Desired Timeframe for Implementation:**	Within 5 years
Estimated Time Required for Project Implementation:	5 years	**Potential Funding Sources:**	BRIC, HMGP, FMA, High Hazard Potential Dams Grant Program
Responsible Organization:	Engineer	**Local Planning Mechanisms to be Used in Implementation if any:**	Hazard Mitigation Planning
Three Alternatives Considered (including No Action)			
Alternatives:	**Action**	**Estimated Cost**	**Evaluation**
	No Action	$0	Current problem continues
	Install dam failure warning systems	$100,000	Risk remains
	Remove Dams	$1.5 million	Dam cannot be removed for safety reason.
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			

Action Worksheet		
Project Name:	High Hazard Dams	
Project Number:	2023-Town of Greece-007	
Criteria	**Numeric Rank (-1, 0, 1)**	**Provide brief rationale for numeric rank when appropriate**
Life Safety	1	Project protects life from dam failure
Property Protection	1	Project protects property from dam failure
Cost-Effectiveness	1	
Technical	1	
Political	1	There is public support for the project
Legal	0	Permitting may be necessary
Fiscal	0	The project requires funding support
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	0	Flood
Timeline	0	Within 5 years
Agency Champion	1	Engineer
Other Community Objectives	1	
Total	10	
Priority (High/Med/Low)	High	

Action Worksheet			
Project Name:	Critical Facilities Flood Protection		
Project Number:	2023-Town of Greece-009		
Risk / Vulnerability			
Hazard(s) of Concern:	Flood		
Description of the Problem:	The following Town owned critical facilities are located in the 1% floodplain: • Greece Ridge • Lakeview Community Church • Island Cottage E-One Greece Pump Station • PS-25		
Action or Project Intended for Implementation			
Description of the Solution:	The Town will conduct a feasibility assessment to determine what additional floodproofing measures are needed at each facility to protect each to the 500-year flood level. Options include: • Elevation of facility • Floodproofing of facility • Mobile flood barriers Once the most cost-effective option is identified, the Town will carry out the option.		
Is this project related to a Critical Facility?	Yes ☒	No ☐	
Is this project related to a Critical Facility located within the 100-year floodplain?	Yes ☒	No ☐	
(If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
Level of Protection:	500-year flood level	**Estimated Benefits (losses avoided):**	Ensures continuity of operations of critical facilities
Useful Life:	TBD by feasibility assessment	**Goals Met:**	3
Estimated Cost:	TBD by feasibility assessment	**Mitigation Action Type:**	Structure and Infrastructure Projects (SIP)
Plan for Implementation			
Prioritization:	High	**Desired Timeframe for Implementation:**	Within 5 years
Estimated Time Required for Project Implementation:	1 year	**Potential Funding Sources:**	FEMA HMGP and PDM, BRIC, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Lake Ontario Resiliency and Economic Development Initiative, Town Budget
Responsible Organization:	Engineer	**Local Planning Mechanisms to be Used in Implementation if any:**	Hazard Mitigation, Emergency Management

Three Alternatives Considered (including No Action)			
Alternatives:	**Action**	**Estimated Cost**	**Evaluation**
	No Action	$0	Problem continues.
	Relocate facilities	N/A	Not possible
	Build levee around facility	N/A	No space for full levee system

Progress Report (for plan maintenance)	
Date of Status Report:	
Report of Progress:	
Update Evaluation of the Problem and/or Solution:	

Action Worksheet		
Project Name:	Critical Facilities Flood Protection	
Project Number:	2023-Town of Greece-009	
Criteria	**Numeric Rank (-1, 0, 1)**	**Provide brief rationale for numeric rank when appropriate**
Life Safety	1	Project will protect critical services
Property Protection	1	Project will protect critical facilities from flood damage.
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	The Town has the legal authority to complete the project.
Fiscal	0	Project requires funding support.
Environmental	1	
Social	1	
Administrative	1	
Multi-Hazard	0	Flood
Timeline	0	Within 5 years
Agency Champion	1	Engineer
Other Community Objectives	1	Protection of critical services
Total	11	
Priority (High/Med/Low)	High	