

10.2.9 Village of Florida

This section presents the jurisdictional annex for the Village of Florida.

10.2.9.1 Contacts

Primary, secondary and tertiary contacts regarding this plan are identified as follows:

- Daniel Harter, Jr. – Mayor
33 South Main Street, P.O. Box 505
Florida, NY 10921
(845) 651-7815
- Alfredo Fusco, Jr. – Consultant Engineer
233 East Main Street
Middletown, NY 10940
(845) 344-5863
- Colleen Wierzbicki – Village Clerk
33 South Main Street, P.O. Box 505
Florida, NY 10921
(845) 651-7815

10.2.9.2 Municipal Profile

Population

The 2010 U.S. Census reported a population of two thousand, eight hundred thirty-three (2,833) persons. The population at the 2000 census was two thousand, six hundred sixty-three (2,663) for an increase of 6.7%.

Location

Florida is located in the southern portion of the County, approximately 6.6-miles north of the New York-New Jersey border. It is located almost entirely within the Town of Warwick, which also includes the Villages of Greenwood Lake and Warwick. The Village is also home to Glenmere Lake, bordering the eastern edge. Two (2), small northern areas of the Village are located within the Town of Goshen.

Brief History

Settled in 1760, the Village of Florida is comprised of an agricultural community known for its rich soils suitable for onion growth. The Village itself was not incorporated until 1946.

Governing Body

The Village is served by the Mayor, Deputy Mayor, and a three (3)-member Board of Trustees.

Future Growth

The Village of Florida has seen continual growth within the past ten (10) years. Approved for ninety-three (93) single family residences in 2006, the development at Glenview Hills has completed construction on approximately 50% of the designated lots as of 2016. Plans for several multi-use residential units have been presented to the Village Board and have received preliminary and final approval.

Commercial development has continued as well. Rehabilitation of several older buildings in the commercial district as well as the addition of new businesses has continued.

10.2.9.3 Hazard Vulnerabilities

Overall Vulnerability

Vulnerability was subjectively assigned below using the categories high, moderate, and low. The assessments were based on the Calculated Priority Risk Index (CPRI) values, probability, and severity. CPRI is calculated by assigning varying degrees of risk to four (4) categories for each hazard, and then calculating an index value based on a weighting scheme. The table below explains these values.

Table 10.2.9a: Calculated Priority Risk Index (CPRI) Categories and Risk Levels			
CPRI Category	Degree of Risk		
	Level ID	Description	Index Value
Probability	Unlikely	<ul style="list-style-type: none"> ■ Extremely rare with no documented history of occurrences or events. ■ Annual probability of less than 0.001. 	1
	Possible	<ul style="list-style-type: none"> ■ Rare occurrences with at least one documented or anecdotal historic event. ■ Annual probability that is between 0.01 and 0.001. 	2
	Likely	<ul style="list-style-type: none"> ■ Occasional occurrences with at least two or more documented historic events. ■ Annual probability that is between 0.1 and 0.01. 	3
	Highly Likely	<ul style="list-style-type: none"> ■ Frequent events with a well-documented history of occurrence. ■ Annual probability that is greater than 0.1. 	4
Magnitude/ Severity	Negligible	<ul style="list-style-type: none"> ■ Negligible property damages (less than 5% of critical and non-critical facilities and infrastr.). ■ Injuries or illnesses are treatable with first aid and there are no deaths. ■ Negligible quality of life lost. ■ Shut down of critical facilities for less than 24 hours. 	1
	Limited	<ul style="list-style-type: none"> ■ Slight property damages (greater than 5% and less than 25% of critical and non-critical facilities and infrastructure). ■ Injuries or illnesses do not result in permanent disability and there are no deaths. ■ Moderate quality of life lost. ■ Shut down of critical facilities for more than 1 day and less than 1 week. 	2

	Critical	<ul style="list-style-type: none"> ■ Moderate property damages (greater than 25% and less than 50% of critical and non-critical facilities and infrastructure). ■ Injuries or illnesses result in permanent disability and at least one death. ■ Shut down of critical facilities for more than 1 week and less than 1 month. 	3
	Catastrophic	<ul style="list-style-type: none"> ■ Severe property damages (greater than 50% of critical and non-critical facilities and infrastructure). ■ Injuries or illnesses result in permanent disability and multiple deaths. ■ Shut down of critical facilities for more than 1 month. 	4
Warning Time	More than 24 Hours	Self-explanatory.	1
	12 to 24 Hours	Self-explanatory.	2
	6 to 12 Hours	Self-explanatory.	3
	Less than 6 Hours	Self-explanatory.	4
Duration	Less than 6 hours	Self-explanatory.	1
	Less than 24 hours	Self-explanatory.	2
	Less than one week	Self-explanatory.	3
	More than one week	Self-explanatory.	4

Table 10.2.9b denotes the identified hazard, vulnerability assessment, mitigation priority, and the CPRI score.

Table 10.2.9b: Hazard Vulnerability By Event		
Jurisdiction	Vulnerability	CPRI Score
Hurricane	Moderate to High	2.25
Dam Failure	Moderate	2.40
Wildfires	Moderate	2.50
Extreme Temperatures	Moderate	2.50
Drought	Moderate	2.65
Severe Storm/Thunderstorm	Moderate	2.65
Flood	High	3.15
Winter Storms/ Ice Storm	High	3.15

Additionally, the following hazards were identified to be addressed: explosion, fire, fuel shortage, hazardous materials – in transit, oil spill, structural collapse, terrorism, transportation accident, utility failure, and water supply contamination.

Critical Facilities

A list of community Critical Facilities was generated to aid in mitigation planning. The following table summarizes the number of these facilities within the Village of Florida which may be impacted by any of the previously noted hazards.

Jurisdiction	Communications Infrastructure	Electrical Power Systems	Gas and Oil Facilities	Banking and Finance Institution	Transportation Network	Water Supply Systems	Government Services	Emergency Services	Educational	Shelter and Evacuation Facilities	Business	Nursing Home/Senior Care
Village of Florida	2	-	1	-	3	12	3	3	3	-	-	-

This information was used to identify potential needed improvements to existing Critical Facilities. Critical facilities were identified by the Town as meeting this definition: “Any structure(s) and/or infrastructure within a community whose incapacity or destruction would:

- Have a debilitating impact on the defense or economic security of that community.
- Significantly hinder a community’s ability to recover following a disaster.”

Discretion was left up to the participating jurisdiction to select these facilities. Locations of selected CFI facilities are noted below.

The Village of Florida has two (2) critical facilities within the 500-year floodplain or the high hazard Landslide Rating¹ area. One (1) of these facilities is located within the 500-year floodplain and the other is located within the landslide rating area. Below is a table that identifies the structures and hazard issues.

Critical Infrastructure	500-Yr Flood	Landslide Rating Area	Associated Mitigation Action
NY State Police Florida Satellite Office	N	Y	DF-5
Sturr Pond Dam	Y	N	N/A

Note: NYS Police Florida Satellite Office is located in the Town of Goshen but services the Village of Florida

As indicated in Section 2.8, participating municipalities did not wish to disclose the locations of public water systems facilities due to security concerns. However, they acknowledge the criticality of such facilities. While it is assumed that most municipal water systems facilities are not located within the floodplain, these jurisdictions will explore hardening/relocation opportunities for those that are located within the floodplain should such actions become necessary due to the incidence of flooding impacts.

By necessity, critical wastewater facilities are located within the 500-year floodplain due to discharge requirements and gravity-fed systems optimization. While relocation is neither desired

¹ Areas with a landslide rating in of greater than 37 are considered hazardous. The data was derived from HAZUS software analysis.

nor feasible, participating municipalities will seek to harden these facilities where feasibly and fiscally possible.

Table 2.8a – Orange County NPDES Data lists all wastewater facilities in the County, including the Village of Florida, with a NPDES (National Pollutant Discharge Elimination System) permit. In the case of New York State, NPDES permit listing match State Pollutant Discharge Elimination System (SPDES) permit listings.

Priority Hazard Events

The following sections detail the priority hazard events identified by the jurisdiction. Additional information about each hazard including frequency, history, and severity within Orange County is included within Section 5.0 of the main body of the Hazard Mitigation Plan (Volume I).

The probability of climate-related hazard events is generally expected to increase in the future within the Village of Florida. This anticipated increase results from the expected increase in weather volatility associated with climate change. The Wallkill River watershed also contributes to increased flooding occurrences.

Past occurrences of hazard events are indicated in their respective profiles below. Some hazards may not have locally available documentation of past occurrence, but are nonetheless profiled in this annex to instill future mitigation planning consideration.

Flood

Quaker Creek marks the northern boundary of the Village and drains to Glenmere Lake east into the Wallkill River.

FEMA’s Flood Insurance Mapping Program designates areas that are at risk for flooding; low flood risk are areas unlikely to flood, moderate risk are areas within the 500-year floodplain (0.2% likely to flood in any given year), and high risk are areas that frequently flood, up to the 100-year flood risk zone (1% likely to flood in any given year). A total of eleven (11) percent of the land acreage within the Village of Florida is designated as within flood hazard areas, with 10% being designated as high risk.

Table 10.2.9e: Summary of Land Areas in Flood Hazard Areas (Source: FEMA DFIRM Data 2011)						
Jurisdiction	Total Land Area (Acres)	High Flood Risk (Acres)	Moderate Flood Risk (Acres)	Low Flood Risk (Acres)	Land in High Flood Risk %	Land in Moderate Flood Risk %
		A, AE, AH, AO	X500	X	A, AE, AH, AO	X500
Village of Florida	1,405	141	16	1,248	10%	1%

Additionally, 4.3% of the Village's improved value areas (defined as property that is either actively utilized or has been developed) are located within the high risk flood areas (94.9% is within low risk areas).

Below is a table that illustrates the value of property in the Village of Florida that is located within the 500-year floodplain and is categorized by land use type. This table was derived from FEMA floodplain mapping and parcel data from the Orange County Property Assessor.

Type of Structure	# Structures in Hazard Area	Value of Structures (in millions)
Residential	98	\$25.2
Commercial	5	\$2.0
Industrial	0	\$0
Agricultural	0	\$0
Religious/Non-profit	0	\$0
Government	0	\$0
Education	0	\$0
Utilities	0	\$0
Dams	1	Unknown
Parks	0	\$0
Total	104	\$27.2

Historical Occurrence:

In the past ten (10) years there is no record of flooding that has explicitly impacted the Village of Florida, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Extreme Temperatures

For a description of this hazard, please see section 5.1.

Historical Occurrence:

In the past ten (10) years there is no record of extreme temperatures that have explicitly impacted the Village of Florida, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Severe Storm/ Thunderstorm

For a description of this hazard, please see section 5.2.

Historical Occurrence:

In the past ten (10) years, one (1) severe storm has been recorded by NOAA Storm Events Database for the Village of Florida.

- Jul 11, 2006 – As severe thunderstorms moved across the region, they produced damaging hail and high winds. Trained spotters estimated hail up to one (1) inch in diameter at Chester in Orange County and at Mount Kisco in Westchester County. High winds downed trees at Yorktown Heights, Lake Carmel, Florida, and Chester.

Hurricane

For a description of this hazard, please see section 5.3.

Historical Occurrence:

Descriptions of significant hurricane events that have occurred within the Village of Florida over the last twenty (20) years are summarized below:

- August/September 2011 – Hurricane Irene/Tropical Storm Lee caused flooding that damaged as well as collapsed roads, embankments, culverts and a bridge throughout the Town of Warwick and the Village of Florida areas.

Drought

For a description of this hazard, please see section 5.5.

Historical Occurrence:

In the past ten (10) years there is no record of droughts that have explicitly impacted the Village of Florida, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Winter Storms

For a description of this hazard, please see section 5.8.

Historical Occurrence:

In the past ten (10) years there is no record of winter storms that have explicitly impacted the Village of Florida, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Ice Storm

For a description of this hazard, please see section 5.8.

Historical Occurrence:

In the past ten (10) years there is no record of any ice storms that have explicitly impacted the Village of Florida, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

Dam Failure

Two class “C” dams are located near the Village; the Lower Warwick Dam (capacity of forty-eight (48) acre-feet) and the Glenmere Lake Dam (Town of Chester- three thousand, three hundred twenty-seven (3,327) acre-feet). The Village is at risk of flooding should either dam breach. Improvements at the Glenmere Lake Dam are currently on-going.

Historical Occurrences:

In the past ten (10) years there is no record of any Dam Failures that have explicitly impacted the Village of Florida, however, there have been a number of recorded occurrences within Orange County. The information can be found in the main body of the document.

10.2.9.4 Capability Assessment*Planning and Regulatory Capability*

Table 10.2.9h: Legal and Regulatory Capabilities for Village of Florida		
Regulatory Tools for Hazard Mitigation	Description	Responsible Department/Agency
Codes/ Ordinances	Chapter 67, “Flood Damage Prevention” of the Code	Building Department
	2010 NYS Building Code, adopted by the Village of Florida	Building Department
Plans, Manuals, and/or Guidelines	Master Plan (adopted in 2003)	Village and Planning Boards
	Emergency Management Plan	Village and Planning Boards
Studies	Glenmere Lake Dam Study	Village Board

Administrative and Technical

Table 10.2.9i: Summary of Administrative and Technical Staff for Village of Florida		
Staff/Personnel Resources	<input checked="" type="checkbox"/>	Department/Agency - Position
Planner(s) or engineer(s) with knowledge of land development and land management practices	<input checked="" type="checkbox"/>	Village Consultant Engineer
Engineer(s) or professional(s) trained in construction practices related to buildings and /or infrastructure	<input checked="" type="checkbox"/>	Building Inspector
Planner(s) or engineer(s) with and understanding of natural and/or human-caused hazards	<input checked="" type="checkbox"/>	Village Consultant Engineer
Floodplain Manager	<input checked="" type="checkbox"/>	Building Inspector
Surveyors		N/A*
Staff with education or expertise to assess the community's vulnerability to hazards	<input checked="" type="checkbox"/>	Village Consultant Engineer
Personnel skilled in GIS and/or HAZUS; AutoCad-Civil 3D; ArcViewGIS	<input checked="" type="checkbox"/>	Village Consultant Engineer
Scientists familiar with the hazards of the community		N/A*
Emergency manager	<input checked="" type="checkbox"/>	Thomas Fuller, Trustee
Grant writer(s)		N/A*

*N/A – indicates that such staff or personnel are not currently employed by the Town. Outside providers are often contracted by the Town to provide such services.

Fiscal

Table 10.2.9j: Fiscal Capabilities for Village of Florida		
Financial Resources	Accessible or Eligible to Use (Yes, No, Don't Know)	Comments
Authority to levy taxes for specific purposes	Yes	N/A
Fees for water, sewer, gas, or electric service	Yes	N/A
Impact fees for homebuyers or new developments/homes	Yes	Capital reserve fees for water and sewer capacity
Incur debt through general obligation bonds	Yes	N/A
Incur debt through special tax bonds	Yes	Not a usual option
Authority to levy taxes for specific purposes	Yes	N/A
Fees for water, sewer, gas, or electric service	Yes	N/A

NFIP: Administrator, Vulnerability, Resources, Compliance

The Village of Florida has participated in NFIP (ID# 360613) since May 3, 1974. Administration is provided through the Village Building Inspector. The Village has a total of fifteen (15) policies

for a value of \$4,801,400. The Village has had a total of sixteen (16) losses from January 1, 1978 to January 31, 2018. The total loss payment for the sixteen (16) losses is \$538,444.

The Village of Florida has adopted means to follow NFIP as noted:

“Chapter 67 of the Code of the Village of Florida is based upon the model provided by FEMA and is enforced in all activities involving a floodplain. The floodplain hazard mapping in the Village of Florida has been revised and re-mapped in 2009. During the re – mapping process, all property owners who may have been affected were notified. The Building Department explained the process of contesting the newly proposed map to several property owners and brochures on flood insurance were available to anyone interested. There has been recent floodplain work permits issued. A program to remove debris from critical streams and banks areas needs to be devised and implemented.”

The Village Floodplain Administrator has been provided a NFIP best practices incorporation guidance document and will be using it to improve local participation in NFIP standards going forward. This package of documents was provided by NYSDHSES and can be found in Appendix F - NFIP Floodplain Administrator Guidance Package.

Hazard Mitigation: Existing and Planning Mechanisms

Emergency Communications, Route, and Shelter:

Orange County utilizes the CodeRED system for emergency notifications. The Village follows emergency route rules set by Orange County. The Village has one (1) emergency shelter location: Seward Senior Center (2 Cohen Circle, Florida, NY 10921). More information on these sites can be found in Attachment III.

Comprehensive Plan:

The Village’s Comprehensive Plan was adopted in 2002. While flood mapping is included in the document, no discussion of mitigation or planning strategies in regards to hazards are noted.

Planning Mechanisms:

While this annex has provided a summary and description of existing plans, policies, and regulatory mechanisms that support hazard mitigation, the 2018 Orange County Hazard Mitigation Plan Update is intended to allow for the integration of its recommendations and data into local plans. Listed below are several planning and policy mechanisms that lend themselves to the integration of materials and objectives from this hazard mitigation plan. Columns to the right indicate whether the municipality has utilized hazard mitigation planning elements in the past (as in the aftermath of a previous local hazard mitigation plan) and whether they intend to be utilized in the future (which most, if not all, do).

Table 10.2.9k: Incorporation of Hazard Mitigation Planning into Existing and Future Planning Mechanisms		
Planning Mechanism	Has been Utilized	May be Utilized
Capital Improvement Budget: Hazard Mitigation Actions to be considered during the development of annual capital improvement plans. Compliance with Hazard Mitigation goals and objectives as well as the hazard vulnerability of site will be a consideration during the evaluation of infrastructure and facilities projects.	X	X
Operating Budget: Hazard Mitigation Actions to be considered within day-to-day operating budgets as funding permits.	X	X
Building & Zoning Ordinances: Review of the hazard mitigation plan and hazard analyses are part of the evaluation of land use, zoning, and development review ordinances and permitted processes.	X	X
Comprehensive Land Use Plan: Elements such as hazard vulnerability and hazard area extents will be considered during the development of future land use maps and other elements of comprehensive planning.	X	X
Human Resource Manual: Employee job descriptions may contain elements related to hazard mitigation planning and associated recommendations.		X
Grant Applications: Support for funding requests in the form of data, maps, and priority recommendations will be drawn from the hazard mitigation plan.	X	X
Fire Plan: Fire Plans for the municipality and local fire departments can utilize data and mapping in the hazard mitigation plan.	X	X
Local School Service Projects: Municipal officials and staff can explore the possibility of collaboration with local school districts to provide avenues for student community service projects as well as educational opportunities.		X
Economic Development: Local chambers of commerce and other economic development agencies can utilize the hazard mitigation plan to better inform new/expanding businesses in finding a location.		X

10.2.9.5 Mitigation Strategy and Prioritization

Past, Existing, and Proposed

The Village did not identify any past, existing, or proposed mitigation actions. Many of the actions below were also issued as proposed actions in the most recent local hazard mitigation plan in 2014. Only those proposed mitigation actions that were incomplete were included in this plan as re-issued proposed mitigation actions in Table 10.2.9I.

Proposed Initiatives

Table 10.2.9I: Mitigation Actions/Projects Identified by Village of Florida					
Action	Hazard(s) Mitigated	Description	Estimated Cost	Primary Agency	Funding Source(s)
VF-1: Reserve Municipal Water Supply Feasibility Study	Drought	Perform a hydrogeological investigation to determine potential groundwater supply locations and capabilities to serve as a reserve water supply to the Municipality's current drought-susceptible surface water supply.	\$50,000	Village	General Fund
VF-2: Glenmere Lake Closure Dike Improvement	Dam Failure, Flooding, Drought	Improve auxiliary spillway to control discharge during significant storm events to mitigate downstream flows to Glenmere Avenue, coordinate elevations with principal spillway and dam top, and stabilize surface against erosion to mitigate potential loss of municipal water supply.	\$200,000	Village	Grant
VF-3: Add Department of Public Works Building to Sewer Plant Generator	Flooding, Severe Wind, Winter Storm, Extreme Temperature	Utilize spare capacity in existing natural-gas fired generator at Wastewater Plant to supply DPW building with emergency reserve power to enable response during emergencies.	\$10,000	DPW & Engineer	HMGP
VF-4: Water Supply Needs Assessment	Drought	Perform a study to document the capabilities and capacity of the Municipal water supply, the needs of the rate base, and the improvements necessary to meet the supply requirements.	\$20,000	DPW	General Fund
VF-5: Generators HIGH PRIORITY	Flooding, Severe Wind, Winter Storm, Extreme Temperature	Provide reserve natural-gas fired power for Police Station, Senior Center, DPW and Village Hall to enable response and shelter during emergencies, and provide warming/cooling center capability	\$58,000	Village	Grant
VF-6: Glenmere Lake Dam Spillway Capacity Study	Dam Failure	Perform an analysis of alternative approaches to increasing spillway capacity to establish capital needs for dam improvements necessary to safely pass the design storm event for a High Hazard dam.	\$50,000	DPW	HMGP
VF-7: Elevate Sanitary Pump Station	Flooding, Winter Storm, Hurricane	Reconstruct Warner Avenue Pump Station above base flood elevation to enable performance during high water conditions.	\$150,000	Village	HMGP

Table 10.2.9I: Mitigation Actions/Projects Identified by Village of Florida					
Action	Hazard(s) Mitigated	Description	Estimated Cost	Primary Agency	Funding Source(s)
VF-8: Elevate Sanitary Pump Station	Flooding, Winter Storm, Hurricane	Reconstruct Village Park Drive Pump Station above base flood elevation to enable performance during high water conditions.	\$150,000	DPW & Engineer	HMGP
VF-9: Bridge Street Bridge Replacement	Flooding, Winter Storm, Hurricane	Improve the waterway opening to current design standards to mitigate overtopping and backwater impacts.	\$400,000	DPW & Engineer	HMPG
VF-10: Jayne Street Bridge Replacement	Flooding, Winter Storm, Hurricane	Improve the waterway opening to current design standards to mitigate overtopping and backwater impacts. Mitigation will improve access to Golden Hill School (shelter) during emergencies. Joint project with T/Warwick.	\$400,000	DPW & Engineer	HMPG
VF-11: Wastewater Treatment Plant Bridge Replacement	Flooding, Winter Storm, Hurricane	Improve the waterway opening to current design standards to mitigate overtopping and backwater impacts. Mitigation will improve access to Wastewater plant and Public Works building during emergencies.	\$400,000	DPW & Engineer	HMPG
VF-12: Lightning Protection for Municipal Water Storage	Lightning	Lightning arrestors to be installed on Municipal water towers.	\$10,000	DPW	General Fund
VF-13: Stream Cleaning (desilt/desnag)	Flooding, Winter Storm, Hurricane	Periodic vegetation management, sediment removal, and debris removal to alleviate flooding for Brown Creek, Quaker Creek, and associated tributaries.	\$50,000	DPW	General Fund
VF-14: Glenmere Lake Dam Spillway Capacity Improvement	Dam Failure	Replacement of principal spillway and dam top improvements to provide capacity to safely pass the design storm event for a High Hazard dam	\$3.25 Million	Village	HMGP

STAPLEE forms were completed for each of these actions. A table with these evaluations can be found in Attachment II of this jurisdictional annex.

“STAPLEE” refers to the following lenses of evaluation: social, technological, administrative, political, legal, economic, and environmental.

Future Needs

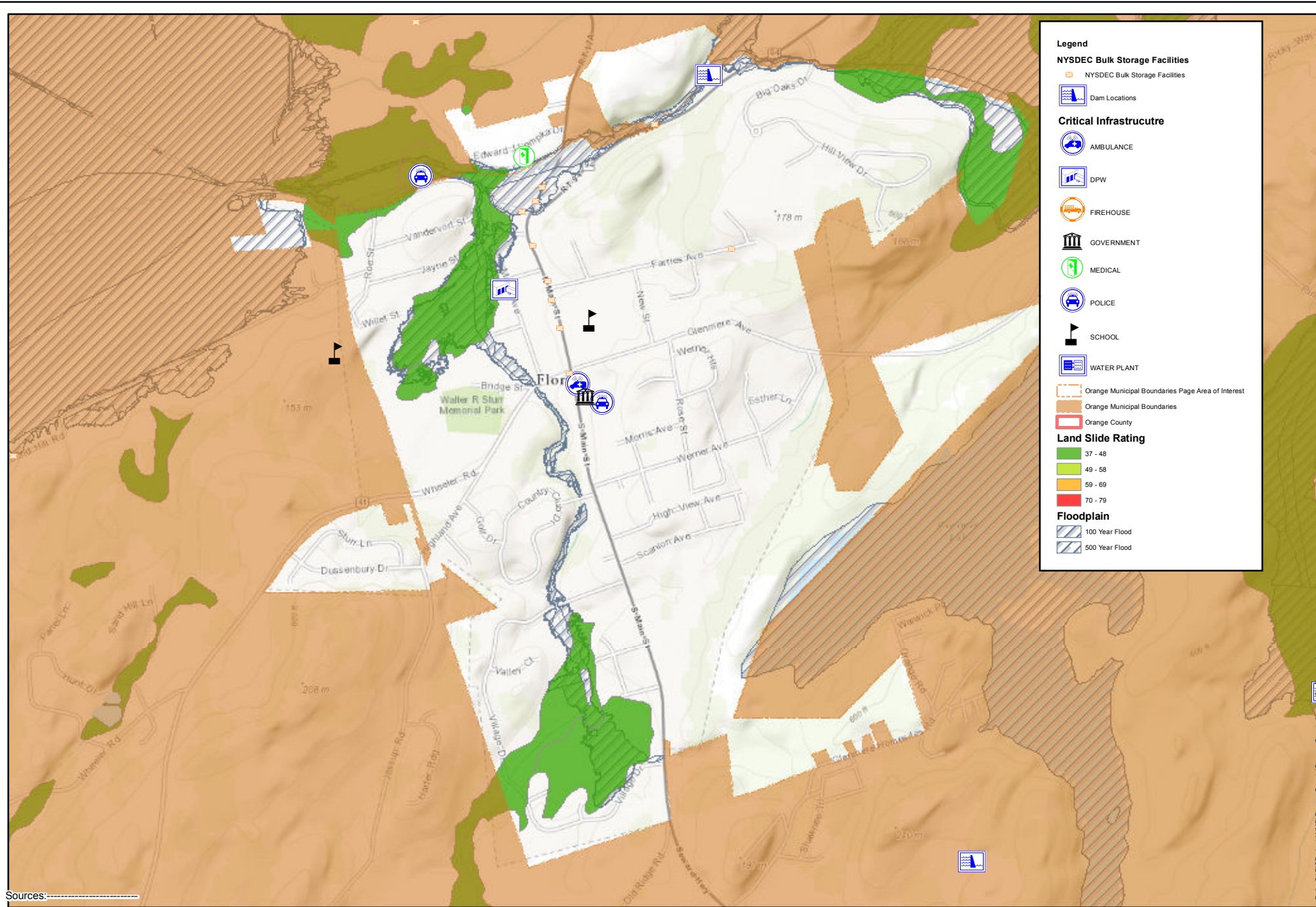
The Village did not identify any future mitigation actions.

10.2.9.6 Hazard Area Extent and Location

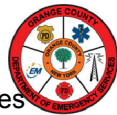
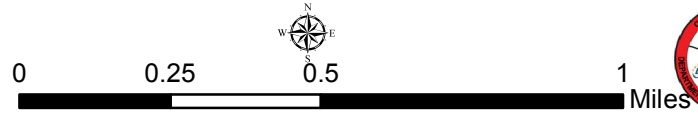
A map demonstrating the location of certain hazard areas is attached as Attachment I.

Attachment I

**Hazard Area Extent and Location Map -
Village of Florida**



Sources:-----



Path: C:\e\p\orange\orange-county\orange-county-hazard-mitigation-plan

Attachment II

STAPLEE Mitigation Action Cost/Benefit Analysis - Village of Florida

STAPLEE Criteria Consideration Tables
Mitigation Action Prioritization and Comparison

Jurisdiction:

Village of Florida

Action ID	Action	S	T	A	P	L	E	E	Can action be easily implemented?	Does action achieve multiple plan objectives?	Can action be quickly implemented?	Level of action benefits	Level of action overall costs	Priority ranking
		+ = benefit (favorable), - = cost (unfavorable), 0 = neutral or N/A											Levels = high, medium, or low	
VF-1	Reserve Municipal Water Supply Feasibility Study: Perform a hydrogeological investigation to determine potential groundwater supply locations and capabilities to serve as a reserve water supply to the Municipality's current drought-susceptible surface water supply	+	+	+	+	+	+	0	0	0	0	Low	Low (\$50,000)	Low
VF-2	Glenmere Lake Closure Dike Improvement: Improve auxiliary spillway to control discharge during significant storm events to mitigate downstream flows to Glenmere Avenue, coordinate elevations with principal spillway and dam top, and stabilize surface against erosion to mitigate potential loss of municipal water supply.	+	+	+	0	+	+	-	-	+	-	High	Medium (\$200,000)	High
VF-3	Add Department of Public Works Building to Sewer Plant Generator: Utilize spare capacity in existing natural-gas fired generator at Wastewater Plant to supply DPW building with emergency reserve power to enable response during emergencies	+	+	+	+	+	+	0	0	+	0	Medium	Low (\$10,000)	Medium
VF-4	Water Supply Needs Assessment: Perform a study to document the capabilities and capacity of Municipal water supply, the needs of the rate base, and the improvements necessary to meet the supply requirements	+	+	+	+	+	+	0	0	0	0	Low	Low (\$50,000)	Low
VF-5	Generators: Provide reserve natural-gas fired power for Police Station, senior center, DPW and Village Hall to enable response and shelter during emergencies, and provide warming / cooling center capability	+	+	+	+	+	+	0	0	+	0	Medium	Low (\$58,000)	High

STAPLEE Criteria Consideration Tables
Mitigation Action Prioritization and Comparison

Jurisdiction:

Village of Florida

Action ID	Action	S	T	A	P	L	E	E	Can action be easily implemented?	Does action achieve multiple plan objectives?	Can action be quickly implemented?	Level of action benefits	Level of action overall costs	Priority ranking
		+ = benefit (favorable), - = cost (unfavorable), 0 = neutral or N/A											Levels = high, medium, or low	
VF-6	Glenmere Lake Dam Spillway Capacity Study: Perform an analysis of alternative approaches to increasing spillway capacity to establish capital needs for dam improvements necessary to safely pass the design storm event for a High Hazard dam.	+	+	+	+	+	+	0	0	+	0	Low	Low (\$50,000)	Low
VF-7	Elevate Sanitary Pump Station: Reconstruct Warner Avenue Pump Station above base flood elevation to enable performance during high water conditions	+	+	+	0	0	+	-	-	+	-	Medium	Medium (\$150,000)	High
VF-8	Elevate Sanitary Pump Station: Reconstruct Village Park Drive Pump Station above base flood elevation to enable performance during high water conditions	+	+	+	0	0	+	-	-	+	-	Medium	Medium (\$150,000)	High
VF-9	Bridge Street Bridge Replacement: Improve the waterway opening to current design standards to mitigate overtopping and backwater impacts	+	+	+	+	+	+	0	-	+	-	High	High (\$1 Million)	High
VF-10	Jayne Street Bridge Replacement: Improve the waterway opening to current design standards to mitigate overtopping and backwater impacts. Mitigation will improve access to Golden Hill School (shelter) during emergencies. This is a joint project with Town of Warwick.	+	+	+	+	+	+	0	-	+	-	High	High (\$1.5 Mill.)	High
VF-11	Wastewater Treatment Plant Bridge Replacement: Improve the waterway opening to current design standards to mitigate overtopping and backwater impacts. Mitigation will improve access to wastewater plant and Public Works building during emergencies.	+	+	+	+	+	+	0	-	+	-	High	High (\$500,000)	High
VF-12	Lightning Protection for Municipal Water Storage: Lightning arrestors to be installed on Municipal water towers	+	+	+	+	+	+	0	+	0	+	Low	Low (\$10,000)	Low

STAPLEE Criteria Consideration Tables
Mitigation Action Prioritization and Comparison

Jurisdiction:

Village of Florida

Action ID	Action	S	T	A	P	L	E	E	Can action be easily implemented?	Does action achieve multiple plan objectives?	Can action be quickly implemented?	Level of action benefits	Level of action overall costs	Priority ranking
		+ = benefit (favorable), - = cost (unfavorable), 0 = neutral or N/A											Levels = high, medium, or low	
VF-13	Stream Cleaning (desilt/desnag): Periodic vegetation management, sediment removal, and debris removal to alleviate flooding from Brown Creek, Quaker Creek, and associated tributaries	+	+	+	+	+	+	-	+	+	+	Medium	Low (\$50,000)	Medium
VF-14	Glenmere Lake Dam Spillway Capacity Improvement: Replacement of principal spillway and dam top improvements to provide capacity to safely pass the design storm event for a High Hazard dam	+	+	+	0	0	+	0	0	0	-	High	High (\$3.25 Mill.)	Low

Attachment III

**Hazard Mitigation Worksheets -
Village of Florida**

Mitigation Actions and Strategy Detail Worksheet

Action Worksheet	
Name of Jurisdiction	Village of Florida
Name of Hazard Mitigation Plan	Orange County Multi-Jurisdictional Hazard Mitigation Plan
Potential Actions/Projects (not being implemented at this time)	
Action/Project Number	VF – 7
Name of Action/Project	Reconstruction of Warner Ave. Pump Station
Summary of Evaluation: Benefits (losses avoided), estimated costs, and other factors considered	Reconstruct Warner Avenue Pump Station above base flood elevation to enable performance during high water conditions.
Plan for Implementation	
Responsible Organization	Village Board, Village Engineer
Action/Project Priority	High
Potential Funding Sources	HMGP, HMA, CDBG
Other assisting organizations, entities, etc.	
Local planning mechanisms to be used in project/action implementation, if any	N/A
Progress Report	
Date of status report	
Report of progress	
Evaluation of effectiveness	

Mitigation Actions and Strategy Detail Worksheet

Action Worksheet	
Name of Jurisdiction	Village of Florida
Name of Hazard Mitigation Plan	Orange County Multi-Jurisdictional Hazard Mitigation Plan
Potential Actions/Projects (not being implemented at this time)	
Action/Project Number	VF – 8
Name of Action/Project	Reconstruction of Village Park Drive Pump Station
Summary of Evaluation: Benefits (losses avoided), estimated costs, and other factors considered	Reconstruct Village Park Drive Pump Station above base flood elevation to enable performance during high water conditions.
Plan for Implementation	
Responsible Organization	Village Board, Village Engineer
Action/Project Priority	High
Potential Funding Sources	HMGP, HMA, CDBG
Other assisting organizations, entities, etc.	
Local planning mechanisms to be used in project/action implementation, if any	N/A
Progress Report	
Date of status report	
Report of progress	
Evaluation of effectiveness	

Orange County
Multi-Jurisdictional All Natural Hazard Mitigation Plan
Emergency Shelter Questionnaire

Name of Your Municipality:	<u>Village of Florida</u>
Common Name of Your Emergency Shelter:	<u>The Seward Senior Center</u>
Street Address of Your Emergency Shelter:	<u>2 Cohen Circle</u>
	<u>Florida, New York 10921</u>
Name of the Owner of Your Emergency Shelter:	<u>Village of Florida</u>
Name of the Regular Occupant of Your Emergency Shelter:	<u>Village of Florida</u>

Name of Jurisdiction: _____

**RESOLUTION
TO AUTHORIZE THE ACCEPTANCE AND ADOPTION OF THE
MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN UPDATE FOR
ORANGE COUNTY, NEW YORK**

WHEREAS, the Orange County Department of Emergency Services, with the assistance from Barton & Loguidice, D.P.C., has gathered information and prepared the Multi-Jurisdictional Hazard Mitigation Plan Update for Orange County, New York; and

WHEREAS, the Multi-Jurisdictional Hazard Mitigation Plan Update for Orange County, New York has been prepared in accordance with the Disaster Mitigation Act of 2000 and Title 44 Code of Federal Regulations (CFR), Part 201; and

WHEREAS, Title 44 CFR, Chapter 1, Part 201.6(c)(5) requires each local government participating in the preparation of a Multi-Jurisdictional Mitigation Plan or Plan Update to accept and adopt such plan; and

WHEREAS, the Village of Florida, has reviewed the 2016 Multi-Jurisdictional Hazard Mitigation Plan Update for Orange County, has found the document to be acceptable, and as a local unit of government, has afforded its citizens an opportunity to comment and provide input regarding the Plan Update and the actions included in the Plan;

WHEREAS, the Village of Florida, will consider the Multi-Jurisdictional Hazard Mitigation Plan Update for Orange County during the implementation and updating of local planning mechanisms, and will incorporate the hazard assessment data, hazard vulnerabilities, and mitigation actions in these mechanisms, where applicable;

NOW THEREFORE, BE IT RESOLVED, that the Village of Florida, as a participating jurisdiction, adopts the Multi-Jurisdictional Hazard Mitigation Plan Update for Orange County, New York, dated May 2016.

This resolution was thereupon declared duly adopted on _____.

(Mayor)

(Clerk)