



## 9.23 Village of Whitney Point

This section presents the jurisdictional annex for the Village of Whitney Point. It includes 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 that can be implemented prior to a disaster in order to reduce or eliminate damage to property and people. This annex includes a general overview of the municipality and who in the Village participated in the planning process; an assessment of the Village of Whitney Point’s risk and vulnerability; the different capabilities utilized in the Village; and an action plan that will be implemented to achieve a more resilient community.

### 9.23.1 Hazard Mitigation Planning Team

The following individuals have been identified as the Village of Whitney Point’s hazard mitigation plan primary and alternate points of contact.

Primary Point of Contact	Alternate Point of Contact
Name: Ryan Reynolds Title: Mayor Phone Number: 607-237-1170 Address: 2629 Liberty Street, Whitney Point, NY 13862 Email: mayor@whitneypoint.org	Name: Linda Murphy Title: Clerk/Treasurer Phone Number: 607-692-4907 Address: 2612 Liberty Street, Whitney Point, NY 13862 Email: clerk@whitneypoint.org
NFIP Floodplain Administrator	
Name: Ken Jennison Title: Code Enforcement Officer Phone Number: 607-692-4907 Address: 2612 Liberty St., P.O. Box 729, Whitney Point, NY 13862 Email: <a href="mailto:kjennison@stny.rr.com">kjennison@stny.rr.com</a>	

### 9.23.2 Municipal Profile

The Village of Whitney Point is located within the Town of Triangle in Broome County, NY. The Village is located within the Town of Triangle in Broome County, NY. The Town is on the confluence of the Tioughnioga River and Otselic River. It is on the junctions of Routes NY -11, NY-26, NY-79, NY-206 and Interstate Route 81. For more information on the Town of Triangle, refer to Section 9.20. The Village of Whitney Point has a total area of 1.1 square miles.

The 2016 estimated population was 942, a 2.3% decrease from the 2010 Census (964).

Home rule is strong in New York State and thus, each town and village has its own governing body. The Village of Whitney Point is governed by a Mayor and four Trustees.

Data from the 2016 U.S. Census American Community Survey estimates that 7.3% of the town population is five years of age or younger, and 20.7% is 65 years of age or older.

### History and Cultural Resources

The village was first settled around 1791 and was incorporated in 1871. The Village of Whitney was originally called Whitney’s Point, named after the Whitney family who arrived around 1800 and were the early developers of the area. In 1942 a dam was constructed north of the village on the Otselic River after several serious floods affect the area. The completion of the dam formed the Whitney Point Lake Reservoir. Grace Episcopal Church was listed on the National Register of Historic Places in 1998.



**Growth/Development Trends**

Table 9.23-1 summarizes major residential/commercial development that as of August 2018 and any known or anticipated major residential/commercial development and major infrastructure development that is likely to be occur within the municipality in the next five years. Refer to the map in 9.23.9 of this annex which illustrates the hazard areas along with the location of potential new development.

**Table 9.23-1. Growth and Development**

Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Location (address and/or Parcel ID)	Known Hazard Zone(s)	Description/Status of Development
<b>Recent Development from 2013 to present</b>					
Housing rehabilitations	Res.	11 properties		None	Housing Rehabilitation Grant
<b>Known or Anticipated Development in the Next Five (5) Years</b>					
Wilcox Building	Combined	10 units	2673 Main Street	None	Construction starting soon
New Fire Station	Municipal	2 buildings	2430 W Main Street	Floodplain	Planning phase

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

**9.23.3 Hazard Event History Specific to the Village of Whitney Point**

Broome County has a history of natural hazard events as detailed in Volume I, Section 5.0 of this plan. 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 Village of Whitney Point’s history of federally-declared (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Broome County. Table 9.23-2 provides details regarding municipal-specific loss and damages the Village experienced during hazard events. Information provided in the table below is based on reference material or local sources. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

**Table 9.23-2. Hazard Event History**

Dates of Event	Event Type (Disaster Declaration if applicable)	Broome County Designated?	Summary of Event	Municipal Summary of Damages and Losses
October 27- November 8, 2012	Hurricane Sandy (EM-3351)	Yes	The remnants of Hurricane Sandy moved over the area bringing high winds and precipitation	Although the County was impacted, the Village did not report damages.
June 26- July 10, 2013	Severe Storms and Flooding (DR-4219)	Yes	The County was impacted by a series of severe storms and flash flood events.	Although the County was impacted, the Village did not report damages.
June 14, 2015	Flash Flood	No	A warm front stalled across New York and northern Pennsylvania, providing the focus for repeating clusters of thunderstorms in the Finger Lakes and Southern Tier NY regions. A tropical-like airmass was in place allowing for a stripe of 2-4 inches of very heavy rain to fall in a narrow band extending from near Watkins Glen to areas north of Binghamton. Severe flash flooding was encountered with numerous roads and culverts destroyed by raging water.	Although the County was impacted, the Village did not report damages.



Dates of Event	Event Type (Disaster Declaration if applicable)	Broome County Designated?	Summary of Event	Municipal Summary of Damages and Losses
March 14-15, 2015	Severe Winter Storm and Snowstorm (DR-4322)	Yes	A record snowfall of between 25 and 35 inches of snow fell. Snowfall rates reached up to 5 inches per hour especially during the onset of the storm. The Greater Binghamton Airport broke an all-time daily snowfall record with 32.4 inches and a 2-day snowfall record of 34.9 inches.	Village staff put in overtime due to storm response.
July 23-24, 2017	Flash Flood	No	Heavy rain producing thunderstorms developed during the late afternoon and evening hours as an upper level jet stream punched into the area. Widespread thunderstorms produced swaths of 3 to 4 inches of rain in just a few hours' time during the late evening and overnight hours. Rapid rises of area streams and creeks resulted in severe flash flooding.	Although the County was impacted, the Village did not report damages.
August 13-15, 2018	Severe Storms and Flooding (DR-4397)	Yes	A slow-moving storm tracked north from New Jersey to northern New York. This system triggered several rounds of heavy rain producing thunderstorms which caused severe flash flooding and major damages in several locations.	Although the County was impacted, the Village did not report damages.

Notes:

- EM Emergency Declaration (FEMA)
- FEMA Federal Emergency Management Agency
- DR Major Disaster Declaration (FEMA)
- N/A Not applicable

**9.23.4 Hazard Ranking and Jurisdiction-Specific Vulnerabilities**

The hazard profiles in Section 5.0 (Risk Assessment) of this plan have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the hazards of greatest concern and risk to the Village of Whitney Point. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.0.

**Hazard Risk Ranking**

This section includes the community specific identification of the primary hazard concerns based on identified problems, impacts and the results of the risk assessment as presented in Section 5 of the plan. The ranking process involves an assessment of the likelihood of occurrence for each hazard, along with its potential impacts on people, property, and the economy as well as community capability and changing future climate conditions. This input supports the mitigation action development to target those hazards with highest level of concern.

As discussed in Section 5.3 (Hazard Ranking), each participating town or village may have differing degrees of risk exposure and vulnerability compared to Broome 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 Village of Whitney Point. The Village of Whitney Point has reviewed the County hazard risk/vulnerability risk ranking table as well as its 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 Village indicated the following:





- Drought-the Village wells are shallow. The entire Village relies on the wells. This is a high hazard to the community.
- Flood -some basements take on water. This is a medium hazard as long as the levee holds.
- Severe storm-minor power outages with wind. Have backup power for water and sewer systems. Fire station has a backup generator.

**Table 9.23-3. Village of Whitney Point Municipal Hazard Ranking Input**

HAZARD	Drought	Earthquake	Extreme Temperature	Invasive Species	Flood	Severe Storm	Severe Winter Storm	Wildfire
RELATIVE RISK FACTOR	High	Low	Medium	Low	Medium	Medium	High	Medium

Notes: The scale is based on the following hazard rankings as established in Section 5.3.  
 High = Total hazard priority risk ranking score of 5 and above  
 Medium = Total hazard priority risk ranking of 3.9 – 4.9  
 Low = Total hazard risk ranking below 3.8  
 \*The municipality changed the initial ranking of this hazard based on event history, municipal experience, and feedback from the municipality

**Critical Facilities Flood Risk**

New York Department of Environmental Conservation (DEC) 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 Special Flood Hazard Area (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, the 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 500-year flood even, or worst damage scenario. For those that do not meet this 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 Hazards United States (HAZUS) – Multi-Hazards (MH) estimates of the damage and loss of use to critical facilities as a result of a 1-percent annual chance flood event.

**Table 9.23-4. Potential Flood Losses to Critical Facilities**

Name	Type	Exposure		Potential Loss from 1% Flood Event		Addressed by Proposed Action
		1% Event	0.2% Event	Percent Structure Damage	Percent Content Damage	
WELL PW-1	Potable Well	X	X	-	-	V. Whitney Point-4
WELL PW-2	Potable Well	X	X	-	-	V. Whitney Point-5
WELL PW-3	Potable Well	X	X	-	-	V. Whitney Point-6
Village of Whitney Point	DPW	X	X	0	0	V. Whitney Point-7
Grace Episcopal Church	Historic	X	X	0	0	-
Northern Broome Senior Center	Senior	X	X	0	0	V. Whitney Point-8



Name	Type	Exposure		Potential Loss from 1% Flood Event		Addressed by Proposed Action
		1% Event	0.2% Event	Percent Structure Damage	Percent Content Damage	
Mary Wilcox Memorial Library	Library	X	X	0	0	V. Whitney Point-9
Triangle Town Hall	Municipal Hall	X	X	0	0	V. Whitney Point-10
Whitney Point Post Office	Post Office	X	X	0	0	V. Whitney Point-11
Whitney Point WWT Plant	WWTP		X			-

Source: Hazus 4.2  
 - No estimated damages calculated by HAZUS-MH

The Village of Whitney Point reviewed the list of critical facilities and determined that historic facilities were not critical for the purpose of essential services. As a result, the Village of Whitney did not develop mitigation actions to protect those facilities to the 500-year flood level.

**Identified Issues**

The municipality has identified the following vulnerabilities within their community:

- There is 1 Repetitive Loss Property within the Village of Whitney Point.
- Numerous wells, the DPW, Grace Episcopal Church, Northern Broome Senior Center, Mary Wilcox Memorial Library, Triangle Town Hall, and Whitney Point Post Office are located within the floodplain which could lead to vulnerabilities or damage during flood events

Tetra Tech reviewed levee data available to integrate components of the levee accreditation process and identify ways the hazard mitigation process can help to establish a path forward for the levee accreditation process. Information was collected from a combination of the National Levee Database (NLD), FEMA Flood Mapping Products website, NYS DEC Region 7 project details and maps website and the United States Geological Survey (USGS) StreamStats website. The findings for the Village of Whitney Point showed that their levee system is pending accreditation. Section 4 (County Profile) shows additional details about the levee system.

Based on this review, Tetra Tech developed a phased approach to levee certification for the Village of Whitney Point. This approach allows the village to understand data gaps and what improvements that may be needed to meet FEMA levee certification criteria. Phase 1 is a data needs and engineering assessment phase that is collection of data required to perform engineering analyses to determine if the levee meets design criteria. This phase is broken down into six tasks (Appendix H [Levee Data Summary and Checklist] provides details on each of these tasks):

- Task 1 – data collection and information management
- Task 2 – levee inspection and memorandum
- Task 3 – permitting
- Task 4 – survey and mapping
- Task 5 – engineering analyses and assessment
- Task 6 – prepare FEMA levee certification data needs report

The following table presents a planning level estimate for the levee system in the Village of Whitney Point, along with a fee breakdown to complete each task.



**Table 9.23-5. Whitney Point Levee System Phase 1 Study Estimate**

Task Number	Task	Estimated Fee
1	Data Collection and Information Management	\$15,000
2	Levee Inspection and Memorandum	\$20,000
3	Permitting – 408 Process	\$39,000
4	Survey and Mapping	\$68,000
5	Engineering Analyses and Assessment	\$250,000
6	Prepare FEMA Levee Certification Data Needs Report	\$28,000
<b>TOTAL</b>		<b>\$420,000</b>

### 9.23.5 Capability Assessment

This section identifies the following capabilities of the local jurisdiction:

- Planning and regulatory capability
- Administrative and technical capability
- Fiscal capability
- Community classification
- National Flood Insurance Program
- Integration of mitigation planning into existing and future planning mechanisms

#### Planning and Regulatory Capability

The table below summarizes the regulatory tools that are available to the Village of Whitney Point.

**Table 9.23-6. Planning and Regulatory Tools**

Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
<b>Planning Capability</b>				
Comprehensive Plan	Yes, 7/25/12	Local	Planning	Comprehensive Plan
Capital Improvements Plan	No	-	-	-
Floodplain Management / Basin Plan	No	-	-	-
Stormwater Management Plan	Yes	Local	Planning	Stormwater Management Plan
Open Space Plan	No	-	-	-
Stream Corridor Management Plan	No	-	-	-
Watershed Management or Protection Plan	No	-	-	-
Economic Development Plan	No	-	-	-
Comprehensive Emergency Management Plan	Yes, 1993	Local or County	Planning	Comprehensive Emergency Management Plan
Emergency Operation Plan	Yes, 1993	Local or County	Planning	Emergency Operation Plan
Evacuation Plan	No	-	-	-



Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
Post-Disaster Recovery Plan	No	-	-	-
Transportation Plan	No	-	-	-
Strategic Recovery Planning Report	No	-	-	-
Other Plans:	No	-	-	-
<b>Regulatory Capability</b>				
Building Code	Yes	State & Local	Codes	3/3/82
Zoning Ordinance	Yes	Local	Codes	1/4/95
Subdivision Ordinance	No	-	-	-
NFIP Flood Damage Prevention Ordinance	Yes	Federal, State, Local	Codes	1982, 1987
NFIP: Cumulative Substantial Damages	No	-	-	-
NFIP: Freeboard	Yes	State, Local	Codes	State mandated BFE+2 for all construction, both residential and non-residential
Growth Management Ordinances	No	-	-	-
Site Plan Review Requirements	Yes	Local	Codes	1998
Stormwater Management Ordinance	Yes	Local	Codes	1997
Municipal Separate Storm Sewer System (MS4)	No	-	-	-
Natural Hazard Ordinance	No	-	-	-
Post-Disaster Recovery Ordinance	No	-	-	-
Real Estate Disclosure Requirement	Yes	State	NYS Department of State, Real Estate Agent	NYS mandate, Property Condition Disclosure Act, NY Code - Article 14 §460-467
Other (Special Purpose Ordinances [i.e., sensitive areas, steep slope])	No	-	-	-

**Administrative and Technical Capability**

The table below summarizes potential staff and personnel resources available to the Village of Whitney Point.

**Table 9.23-7. Administrative and Technical Capabilities**

Resources	Is this in place? (Yes or No)	Department/ Agency/Position
<b>Administrative Capability</b>		
Planning Board	Yes	Planning Board
Mitigation Planning Committee	No	-
Environmental Board/Commission	Yes	Volunteer
Open Space Board/Committee	No	-





Resources	Is this in place? (Yes or No)	Department/ Agency/Position
Economic Development Commission/Committee	No	-
Maintenance programs to reduce risk	Yes	DPW
Mutual aid agreements	Yes	-
Flood Committee	No	-
<b>Technical/Staffing Capability</b>		
Planner(s) or engineer(s) with knowledge of land development and land management practices	Yes	La Mont Engineers
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Yes	La Mont Engineers
Planners or engineers with an understanding of natural hazards	No	
NFIP Floodplain Administrator (FPA)	Yes	Village Code Enforcement Officer
Surveyor(s)	No	
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	No	
Scientist familiar with natural hazards	No	
Warning systems/services	No	
Emergency Manager	Yes	Village Mayor
Grant writer(s)	No	Outsourced to Thomas Development
Staff with expertise or training in benefit/cost analysis	No	
Professionals trained in conducting damage assessments	No	

**Fiscal Capability**

The table below summarizes financial resources available to the Village of Whitney Point.

**Table 9.23-8. 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	Yes
Impact fees for homebuyers or developers of new development/homes	Unsure
Stormwater utility fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	Yes
Incur debt through private activity bonds	Unsure
Withhold public expenditures in hazard-prone areas	Unsure
Other federal or state Funding Programs	Yes
Open Space Acquisition funding programs	No
Other	No



**Community Classifications**

The table below summarizes classifications for community programs available to the Village of Whitney Point.

**Table 9.23-9. Community Classifications**

Program	Do you have this? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	No	-	-
Public Protection (ISO Fire Protection Classes 1 to 10)	No	-	-
NYSDEC Climate Smart Community	No	-	-
Storm Ready Certification	N/A	-	-
Firewise Communities classification	N/A	-	-
Natural disaster/safety programs in/for schools	No	-	-
Organizations with mitigation focus (advocacy group, non-government)	Yes	Smart Energy Committee	-
Public education program/outreach (through website, social media)	Yes	Village staff	-
Public-private partnership initiatives addressing disaster-related issues	No	-	-
Other	No	-	-

Note:

- N/A Not applicable
- NP Not participating
- Unavailable

The classifications listed above relate to the community’s ability to provide effective services to lessen its vulnerability to the hazards identified. These classifications can be viewed as a gauge of the community’s capabilities in all phases of emergency management (preparedness, response, recovery and mitigation) and are used as an underwriting parameter for determining the costs of various forms of insurance. The CRS class applies to flood insurance while the BCEGS and Public Protection classifications apply to standard property insurance. CRS classifications range on a scale of 1 to 10 with class 1 being the best possible classification, and class 10 representing no classification benefit. Firewise classifications include a higher classification when the subject property is located beyond 1000 feet of a creditable fire hydrant and is within 5 road miles of a recognized Fire Station.

Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule (<https://www.isomitigation.com/bcegs/>)
- The ISO Mitigation online ISO’s Public Protection website at <https://www.isomitigation.com/ppc/>
- New York State Climate Smart Communities (<http://www.dec.ny.gov/energy/56876.html>)
- The National Weather Service Storm Ready website at <https://www.weather.gov/stormready/communities>
- The National Firewise Communities website at <http://firewise.org/>



### Self-Assessment of Capability

The table below provides an approximate measure of the Village of Whitney Point’s capability to work in a hazard-mitigation capacity and/or effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

**Table 9.23-10. Self-Assessment Capability for the Municipality**

Area	Degree of Hazard Mitigation Capability		
	Limited (If limited, what are your obstacles?)	Moderate	High
Planning and regulatory capability		X	
Administrative and technical capability		X	
Fiscal capability		X	
Community political capability			X
Community resiliency capability			X
Capability to integrate mitigation into municipal processes and activities		X	

### National Flood Insurance Program

This section provides specific information on the management and regulation of the regulatory floodplain.

#### NFIP Floodplain Administrator (FPA)

Ken Jennison, Code Enforcement Officer

#### National Flood Insurance Program (NFIP) Summary

The Village of Whitney Points does not maintain lists/inventories of properties that have been flood damaged as the Village has not experienced any floods.

The following table summarizes the NFIP statistics for the Village of Whitney Point.

**Table 9.23-11. NFIP Summary**

Municipality	# Policies	# Claims (Losses)	Total Loss Payments	# RL Properties	# SRL Properties	# Policies in the 1% Flood Boundary
Whitney Point (V)	4	0	\$0	1	0	1

Source: FEMA 2018

Notes: Policies, claims, repetitive loss, and severe repetitive loss statistics provided by FEMA Region 2, and current as of May 31, 2018. The total number of repetitive loss properties does not include severe repetitive loss properties

RL Repetitive Loss; SRL Severe Repetitive Loss

### Resources

The FPA is the sole person responsible for floodplain administration in the Village of Whitney Point. NFIP administration services and functions include planning and outreach. The Village has used social media and newsletters to educate the community on FEMA’s LAMP and flood insurance work. The Village has access to the recent FEMA LAMP study which includes possible future flooding conditions from climate change. The FPA noted that a lack of financial resources creates a barrier for investments in hazard mitigation to run an effective floodplain management program.





The Village of Whitney Point is assisting in the update of flood plain (FIRM) maps at the Jurisdictional Level. Specific assistance is being provided by attending map update meetings held by FEMA, NYSDEC, and USGS; and by identifying flood-prone areas outside of currently designated flood areas.

### Compliance History

---

According to data from the NYSDEC, the Village has not had a compliance audit, however they participated in a Community Assistance Call (CAC) on April 8, 2011. The Village of Whitney Point maintains compliance with and good-standing in the NFIP including adoption and enforcement of floodplain management requirements (e.g. regulating all new and substantially improved construction in Special Hazard Flood Areas), floodplain identification and mapping, and flood insurance outreach to the community. The Village works to continue to meet and/or exceed the minimum NFIP standards and criteria through the following NFIP-related continued compliance actions identified as Initiatives below.

### Regulatory

---

The Village's flood damage prevention ordinance was adopted in 1987

It is the purpose of this local law to promote the public health, safety, and general welfare, and to minimize public and private losses due no flood conditions in specific areas by provisions designed to:

- (1) 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;
- (2) require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction;
- (3) control the alteration of natural floodplains, stream channels, and natural protective barriers which are involved in the accommodation of flood waters;
- (4) control filling, grading, dredging and other development which may increase erosion or flood damages;
- (5) regulate the construction of flood barriers which will unnaturally divert flood waters, or which may increase flood hazards to other lands, and;
- (6) qualify and maintain for participation in the National Flood Insurance Program.

The municipality's current Flood Damage Prevention Ordinance was adopted in 1987, which coincides with the effective FEMA flood maps for the municipality. While it requires all new residential and commercial properties, located in a flood area, to be elevated at or above the base flood elevation, it does not meet the 2007 NYSDEC requirement of new construction being elevated two feet above the base flood elevation. Once updated FEMA flood maps are adopted by the municipality, the current Flood Damage Prevention Ordinance will be updated and modified to meet the minimum requirement set by FEMA and NYSDEC.

### Integration of Hazard Mitigation into Existing and Future Planning Mechanisms

---

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 this planning effort, each community was surveyed to obtain a better understanding of their community's progress in plan integration. A summary is provided below. In addition, the community identified specific integration activities that will be incorporated into municipal procedures, which is also indicated below.



## Planning

---

### Existing Integration

**Comprehensive Plan:** The Village of Whitney Point has a Comprehensive Plan which includes areas of natural hazard risk. The Plan refers to the County LWRP.

**Broome County Hazard Mitigation Plan:** The Village of Whitney Point continues to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0.

**Comprehensive Emergency Management Plans:** The Village is completing ongoing updates of Comprehensive Emergency Management Plans.

**Post-Earthquake Disaster Planning:** The Village is developing a post-earthquake management plan to address building safety inspections, gas leaks, and other elements to protect public safety.

The Village of Whitney Point does not have a Re-Development Plan, Growth Plan, Economic Development Plan, Open Space Plan, Watershed or Stream Corridor Management Plan, and Comprehensive Emergency Management Plan.

### Opportunities for Future Integration

Updates to existing plans and the creation of new plans could include areas of natural hazard risk and refer to the Countywide Hazard Mitigation Plan. The Village participated in the County waterfront revitalization study and are seeking to complete a Local Waterfront Revitalization Plan.

## Regulatory and Enforcement (Ordinances)

---

### Existing Integration

**Parking Ordinance:** The Village of Whitney Point maintains and enforces a parking ordinance for emergency snow removal.

The Village of Whitney Point's municipal zoning and site plan review process consider natural hazard risk. The Planning Board/ZBA are supplied with access to Broome County GIS, the Village CEO, the FPA, the Fire Chief, the DPW, Zoning, and NYS Building Codes to guide their decisions with respect to natural hazard risk management.

## Operational and Administration

---

### Existing Integration

**National Incident Management System (NIMS):** The Village conducts training in the National Incident Command System (ICS), under the National Incident Management System (NIMS).

**Non-Structural Flood Mitigation:** The Village is considering non-structural flood hazard mitigation alternatives for at risk properties within the floodplain, including those that have been identified as repetitive loss properties, such as acquisition/relocation, or elevation depending on feasibility. The parameters for feasibility for this initiative would be: funding, benefits versus costs and willing participation of property owners.

**Vegetation Management:** The Village of Whitney Point continues to maintain programs to keep trees from threatening lives, property, and public infrastructure during storm events.



**Retrofitting/Removal of Structures from Hazard Prone Areas:** Where appropriate, the Village of Whitney Point supports the retrofitting, purchase, or relocation of structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss properties as priority. The Village works to identify facilities that are viable candidates for each strategy based on cost-effectiveness. Implementation of these actions are based on available funding.

**Archive Elevation Certificates:** The Village will continue to obtain and archive elevation certificates.

**Mutual Aid Agreements:** The Village is creating, enhancing, and maintaining Mutual Aid agreements with neighboring communities for continuity of operations.

**Post-Disaster Procedures:** The Village is identifying and developing agreements with entities that can provide support with FEMA/SOEM paperwork after disasters; qualified damage assessment personnel – Improve post-disaster capabilities – damage assessment; FEMA/SOEM paperwork compilation, submissions, record-keeping.

**Damage Assessment Training:** The Village of Whitney Point works with regional agencies (i.e. County and SOEM) to help develop damage assessment capabilities at the local level through such things as training programs, certification of qualified individuals (e.g. code officials, floodplain managers, engineers).

**Structure/Facility Inventories/Datasets:** The Village of Whitney Point participates in regional, county and/or state level projects and programs to develop improved structure and facility inventories and hazard datasets to support enhanced risk assessment efforts. Such programs may include developing a detailed inventory of critical facilities based upon FEMA's Comprehensive Data Management System (CDMS) which could be used for various planning and emergency management purposes including:

- Support the performance of enhanced risk and vulnerability assessments for hazards including flooding, earthquake, wind, and land failure.
- Support state, county and local planning efforts including mitigation (including updates to the State HMP), comprehensive emergency management, debris management, and land use.

**Critical Facilities Assessment:** The Village of Whitney Point continues to train personnel and conduct rapid screening of critical facilities for earthquake vulnerability.

The Village of Whitney Point does not have a municipal planner or contract planning firm. The Smart Energy Committee includes functions that relate to natural hazard risk. Stormwater Management functions are performed by the DPW and Department of Transportation. NFIP Floodplain Management functions are performed by the Code Enforcement Officer. The Village does not have staff or contract with firms that have experience with developing Benefit-Cost Analysis or can perform Substantial Damage Estimates. The Village contracts with Thomas Development which has experience in preparing grant applications for mitigation projects. The Village Board, CEO, and DPW receive training/continuing professional education which supports natural hazard risk reduction.

### Opportunities for Future Integration

The Village can expand training on natural hazard risk reduction to all staff and can hire staff or contract with firms that have experience with developing Benefit-Cost Analysis or can perform Substantial Damage Estimates.



## Funding

---

### Existing Integration

The Village of Whitney does not have a Capital Improvements Budget and does not have a line item in the municipal budget for mitigation projects. The Village is currently pursuing grant funding for a new fire station but has not been awarded grant funding for mitigation projects in the past. The Village does not have any other financial mechanisms to fiscally support hazard mitigation projects.

### Opportunities for Future Integration

The Village could allocate municipal funding and continue to apply for grant funding for mitigation projects.

## Education and Outreach

---

### Existing Integration

The Village of Whitney Point operates a municipal website (<http://www.whitneypoint.org/>) which includes community news and information. The Village conducts and facilitates community and public education and outreach for residents and businesses to include, but not be limited to, the following to promote and effect natural hazard risk reduction:

- Provide and maintain links to the HMP website, and regularly post notices on the County/municipal homepage(s) referencing the HMP webpages.
- Prepare and distribute informational letters to flood vulnerable property owners and neighborhood associations, explaining the availability of mitigation grant funding to mitigate their properties, and instructing them on how they can learn more and implement mitigation.
- Use email notification systems and newsletters to better educate the public on flood insurance, the availability of mitigation grant funding, and personal natural hazard risk reduction measures.
- Work with neighborhood associations, civic and business groups to disseminate information on flood insurance and the availability of mitigation grant funding.

### Opportunities for Future Integration

The Village could continue to develop outreach materials concerning natural hazards.

## Sheltering, Evacuation, and Temporary Housing

---

Temporary housing, evacuation routes, and sheltering measures 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.

Refer to Section 4.6.5 of Volume 1 of this plan for a description of resources identified by the county to support municipalities with the identification of evacuation, sheltering, and temporary and permanent housing.

### Temporary and Permanent Housing

---

The Village of Whitney Point has identified the following site for the placement of temporary housing for residents displaced by a disaster:

- Broome County Fairgrounds: 2423 NYS Route 11. The Fairgrounds are 29.61 acres.

The Village of Whitney Point has identified the following potential sites suitable for relocating houses of the floodplain and/or building new homes once properties in the floodplain are acquired:



- Hummingbird Lane: The capacity is unknown. No actions would be required to ensure conformance with the NYS Uniform Fire Prevention and Building Code.
- East Main Street: The capacity is unknown. No actions would be required to ensure conformance with the NYS Uniform Fire Prevention and Building Code.

### Evacuation and Sheltering Needs

---

The Village of Whitney Point has designated the following emergency shelters:

- Fire station: 2665 Main Street. The Fire Station cannot accommodate pets and is not ADA compliant but has backup power and provides EMT services.
- Ford 11.11: 4734 Route 26. The site cannot accommodate pets and is not ADA compliant.
- The Village recently adopted a new Emergency Evacuation plan to bolster preparedness for the future. (p.17, Building Resiliency Update on efforts in Broome County to become a more flood smart community.

### 9.23.6 Mitigation Strategy and Prioritization

---

This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and their prioritization.

#### Past Mitigation Initiative Status

---

The following table indicates progress on the community’s mitigation strategy identified in the 2013 Plan. Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and may also be found under ‘Capability Assessment’ presented previously in this annex.



Table 9.23-12. 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)		Next Steps 1. Project to be included in 2019 HMP or Discontinue 2. If including action in the 2019 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Cost	Level of Protection	
1.	Evaluate the level of protection of levee and maintenance/repair procedures.	All		USACE & NYSDEC with Village Board & WPDPW as support	In progress	Cost		1. Project to be included in 2019 HMP 2. 3.
2. (1)	Continue training in the National Incident Command System (ICS), under the National Incident Management System (NIMS).	All		Village Code Enforcement Officer, WPDPW, & Village Mayor	Ongoing Capability	Cost		1. Discontinue and include as an ongoing capability. 2. 3. Ongoing capability
3.	Obtain flood insurance for sewer plant when project is complete.	Flood		Village	Complete	Cost		1. Discontinue 2. Acquired flood insurance for critical facilities (Sewer Plant) 3. Complete
3. (2)	Assist in the update of flood plain (FIRM) maps – Jurisdictional Level. Specific assistance can be provided in the area of attending map update meetings held by FEMA, NYDEC and USGS; and identification of flood-prone areas outside of currently designated areas	Flood		Village Mayor, Village Board, & WPDPW	Ongoing	Cost		1. Discontinue. Include as an ongoing capability. 2. 3. Ongoing capability
4.	Consider non-structural flood hazard mitigation alternatives for at risk properties within the floodplain, including those that have been identified as repetitive loss properties, such as	Flood		Village Mayor & Village Board	Ongoing	Cost		1. Discontinue and include as an ongoing capability. 2. 3. Ongoing capability



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)		Next Steps 1. Project to be included in 2019 HMP or Discontinue 2. If including action in the 2019 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
	acquisition/relocation, or elevation depending on feasibility. The parameters for feasibility for this initiative would be: funding, benefits versus costs and willing participation of property owners.							
(5)	Work with regulatory agencies to address chronic flooding conditions at two locations: Prospect Street and the south end of Collins Road.	Flood		WPDPW	Partially Complete	Cost		1. Include in 2019 HMP 2. Continue to address flooding at Prospect Street, Collins Road, West Main St, Park St. 3.
					Level of Protection			
					Damages Avoided; Evidence of Success			
5. (6)	Maintain programs to keep trees from threatening lives, property, and public infrastructure during storm events.	Severe Storm		WPDPW, NYSEG	Ongoing	Cost		1. Discontinue and include as an ongoing capability. 2. 3. Ongoing capability
					Level of Protection			
					Damages Avoided; Evidence of Success			
6. (7)	Maintain and enforce current parking ordinance for emergency snow removal.	Severe Storm		Village Police Dept.	Ongoing	Cost		1. Discontinue and include as an ongoing capability. 2. 3. Ongoing capability
					Level of Protection			
					Damages Avoided; Evidence of Success			
Flood-1	Purchase, relocate, or elevate structures located in hazard-prone areas to protect structures from future damage, with repetitive loss and severe repetitive loss property as priority.  Phase 1: Identify appropriate candidates based of cost-effectiveness versus retrofitting.	Flood		Municipality (via Municipal Engineer/NFIP Floodplain Administrator) with support from BCPD, NYSOEM, FEMA	Ongoing	Cost		1. Discontinue and include as an ongoing capability. 2. 3. Ongoing capability
					Level of Protection			
					Damages Avoided; Evidence of Success			



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)		Next Steps 1. Project to be included in 2019 HMP or Discontinue 2. If including action in the 2019 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
	Phase 2: Where determined to be a viable option, work with property owners toward implementation of the determined action based on available funding from FEMA and local match availability							
Flood-2	Maintain compliance with and good-standing in the NFIP including adoption and enforcement of floodplain management requirements (e.g. regulating all new and substantially improved construction in Special Hazard Flood Areas), floodplain identification and mapping, and flood insurance outreach to the community. Further, continue to meet and/or exceed the minimum NFIP standards and criteria through the following NFIP-related continued compliance actions identified as Initiatives below.	Flood		Municipality (via Municipal Engineer/NFIP Floodplain Administrator) with support from NYSOEM, FEMA	Ongoing	Cost		1. Discontinue and include as an ongoing capability. 2.
						Level of Protection		
							Damages Avoided; Evidence of Success	3. Ongoing capability
Flood-3	Conduct and facilitate community and public education and outreach for residents and businesses to include, but not be limited to, the following to promote and effect natural hazard risk reduction: • Provide and maintain links to the HMP website, and regularly post notices on the	Flood		Municipality with support from Planning Partners, BCPD, NYSOEM, FEMA	Ongoing.	Cost		1. Discontinue and include as an ongoing capability. 2.
						Level of Protection		
							Damages Avoided; Evidence of Success	3. Ongoing capability



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)	Next Steps						
	<p>County/municipal homepage(s) referencing the HMP webpages.</p> <ul style="list-style-type: none"> <li>Prepare and distribute informational letters to flood vulnerable property owners and neighborhood associations, explaining the availability of mitigation grant funding to mitigate their properties, and instructing them on how they can learn more and implement mitigation.</li> <li>Use email notification systems and newsletters to better educate the public on flood insurance, the availability of mitigation grant funding, and personal natural hazard risk reduction measures.</li> </ul> <p>Work with neighborhood associations, civic and business groups to disseminate information on flood insurance and the availability of mitigation grant funding.</p>						<ol style="list-style-type: none"> <li>Project to be included in 2019 HMP or Discontinue</li> <li>If including action in the 2019 HMP, revise/reword to be more specific (as appropriate).</li> <li>If discontinue, explain why.</li> </ol>						
Flood-4	Obtain and archive elevation certificates	Flood		NFIP Floodplain Administrator	Ongoing	<table border="1"> <tr><td>Cost</td><td></td></tr> <tr><td>Level of Protection</td><td></td></tr> <tr><td>Damages Avoided; Evidence of Success</td><td></td></tr> </table>	Cost		Level of Protection		Damages Avoided; Evidence of Success		<ol style="list-style-type: none"> <li>Discontinue and include as an ongoing capability.</li> <li></li> <li>Ongoing capability</li> </ol>
Cost													
Level of Protection													
Damages Avoided; Evidence of Success													
Flood-5	Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0	Flood		Municipality with support from Planning Partners,	Ongoing	<table border="1"> <tr><td>Cost</td><td></td></tr> <tr><td>Level of Protection</td><td></td></tr> <tr><td>Damages Avoided;</td><td></td></tr> </table>	Cost		Level of Protection		Damages Avoided;		<ol style="list-style-type: none"> <li>Discontinue and include as an ongoing capability.</li> <li></li> <li>Ongoing capability</li> </ol>
Cost													
Level of Protection													
Damages Avoided;													





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)		Next Steps 1. Project to be included in 2019 HMP or Discontinue 2. If including action in the 2019 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
						Cost	Evidence of Success	
				BCPD, NYSOEM, FEMA		Evidence of Success		
Flood-6	Complete ongoing updates of Comprehensive Emergency Management Plans	Flood		Municipality with support from NYSOEM	Ongoing	Cost		1. Discontinue and include as an ongoing capability. 2. 3. Ongoing capability
						Level of Protection		
						Damages Avoided; Evidence of Success		
Flood-7	Create/Enhance/Maintain Mutual Aid agreements with neighboring communities for continuity of operations	All Hazards		Municipality with support from County, NYSOEM, FEMA and surrounding communities	Ongoing	Cost		1. Discontinue and include as an ongoing capability. 2. 3. Ongoing capability
						Level of Protection		
						Damages Avoided; Evidence of Success		
Flood-8	Identify and develop agreements with entities that can provide support with FEMA/SOEM paperwork after disasters; qualified damage assessment personnel – Improve post-disaster capabilities – damage assessment; FEMA/SOEM paperwork compilation, submissions, record-keeping	Flood		Municipality with support from County, NYSOEM and FEMA	Ongoing	Cost		1. Discontinue and include as an ongoing capability. 2. 3. Ongoing capability
						Level of Protection		
						Damages Avoided; Evidence of Success		
Flood-9	Work with regional agencies (i.e. County and SOEM) to help develop damage assessment capabilities at the local level through such things as training programs, certification of qualified individuals (e.g. code officials, floodplain managers, engineers).	Flood		Municipality with support from County, NYSOEM and FEMA	Ongoing	Cost		1. Discontinue and include as an ongoing capability. 2. 3. Ongoing capability
						Level of Protection		
						Damages Avoided; Evidence of Success		



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)		Next Steps
Flood-10	Participate in local, county and/or state level projects and programs to develop improved structure and facility inventories and hazard datasets to support enhanced risk assessment efforts. Such programs may include developing a detailed inventory of critical facilities based upon FEMA's Comprehensive Data Management System (CDMS) which could be used for various planning and emergency management purposes including: <ul style="list-style-type: none"> <li>Support the performance of enhanced risk and vulnerability assessments for hazards of concern.</li> <li>Support state, county and local planning efforts including mitigation (including updates to the State HMP), comprehensive emergency management, debris management, and land use. Improved structural and facility inventories could incorporate flood, wind and seismic-specific parameters (e.g. first floor elevations, roof types, structure types based on FEMA-154 "Rapid Visual Screening of Buildings for Potential Seismic Hazards" methodologies). It is</li> </ul>	Flood		Hazard Mitigation Plan Coordinator	Ongoing	Cost		1. Discontinue and include as an ongoing capability.
						Level of Protection		2.
						Damages Avoided; Evidence of Success		3. Ongoing capability



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)		Next Steps 1. Project to be included in 2019 HMP or Discontinue 2. If including action in the 2019 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
	recognized that these programs will need to be initiated and supported at the County and/or State level, and will require training, tools and funding provided at the county, state and/or federal level.							
Severe Storm-1	Enhance the County/community resilience to severe storms (incl. severe winter storms) by joining the NOAA "Storm Ready" program and supporting communities in joining the program. "StormReady" communities are better prepared to save lives from the onslaught of severe weather through advanced planning, education and awareness. Participation in the NOAA "StormReady" program shall include providing information on the "StormReady" program, facilitating public outreach and awareness programs, and supporting community storm risk reduction activities as appropriate. Specific actions addressed by "StormReady" participation include establishing a 24-hour Warning Point, increase number of ways EOC receives NWS warnings, increase number of ways to disseminate warnings, monitoring	Severe Storm		Municipality with support from County, NYSOEM and FEMA	No Progress	Cost		1. Include in 2019 update.
						Level of Protection		2.
						Damages Avoided; Evidence of Success		3.



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)		Next Steps 1. Project to be included in 2019 HMP or Discontinue 2. If including action in the 2019 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
	hydrometeorological data, providing annual weather safety talks, train weather spotters, create a formal hazardous weather plan, host annual visits by NWS to communities, etc.							
Earthquake-1	Obtain training and conduct rapid screening assessment of critical facilities for earthquake vulnerability.	Earthquake		Municipal Emergency Management, Fire, PD with support from County, NYSOEM	No progress	Cost		1. Discontinue and include as an ongoing capability. 2. 3. Ongoing capability
					Level of Protection			
					Damages Avoided; Evidence of Success			
Earthquake-2	Develop a post-earthquake management plan to address building safety inspections, gas leaks, and other elements to protect public safety.	Earthquake		Municipal Emergency Management, Fire, PD with support from County, NYSOEM	No progress	Cost		1. Discontinue and include as an ongoing capability. 2. 3. Ongoing capability
					Level of Protection			
					Damages Avoided; Evidence of Success			



### Completed Mitigation Initiatives Not Identified in the Previous Mitigation Strategy

The Village of Whitney Point has identified the following mitigation projects/activities that have also been completed but were not identified in the previous mitigation strategy in the 2013 Plan:

- Whitney Point Bridge (Route 26 and 79 over the Tioughnioga River replaced with improved and widened bridge increasing freeboard and reducing obstructions.
- Increased size of culvert and installed riprap on Prospect St.
- Installed generators at water pump stations, sewer pump stations and sewerage treatment plant.
- **Building Resiliency (2016):** The Broome County Department of Planning prepared Building Resiliency to document resiliency projects municipalities have completed. The Village of Whitney Point identified the following completed projects (as of 2016):
  - The Village of Whitney Point adopted new Emergency Evacuation Plans.
  - U.S. Army Corps of Engineers performed public outreach in relation to Levee Safety.

### Proposed Hazard Mitigation Initiatives for the Plan Update

The Village of Whitney Point participated in a mitigation action workshop on October 17, 2018 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).

Table 9.23-13 summarizes the comprehensive-range of specific mitigation initiatives the Village of Whitney Point would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These 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. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

As discussed in Section 6, 14 evaluation/prioritization criteria are used 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 your actions as ‘High’, ‘Medium’, or ‘Low.’ The table below summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.23-14 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.23-13. Proposed Hazard Mitigation Initiatives

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem	Description of Solution?	Critical Facility (Yes/No)	Environmental and Historic Preservation (EHP) Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
V. Whitney Point-1 (Formerly 1)	Evaluate the level of protection of levee and maintenance/repair procedures.	1, 5	Flood	The protection and status of the levee is unknown.	The Village will evaluate the levee protection level and determine if maintenance/repairs are necessary and implement as needed.	No	None		USACE & NYSDEC with Village Board & WPDPW as support		Levee status known and maintained to assure level of protection	Municipal budget	High	SIP	SP, PP
V. Whitney Point-2 (Formerly 5)	Work with regulatory agencies to address chronic flooding conditions at following locations: Prospect Street, Collins Street, West Main St, Park St.	1, 3, 5	Flood	Chronic flooding takes place at the following locations: Prospect Street, Collins Street, West Main St, Park St.	The Village will work out to	No	None		WPDPW		Reduction in chronic flooding	Municipal budget, HMGP	High	SIP	PP
V. Whitney Point-3 (Formerly Severe storm -1)	Enhance the County/community resilience to severe storms (incl. severe winter storms) by joining the NOAA "Storm Ready" program and supporting communities in joining the program.	2, 4	Severe Storm	"StormReady" communities are better prepared to save lives from the onslaught of severe weather through advanced planning, education and awareness.	Specific actions addressed by "StormReady" participation include establishing a 24-hour Warning Point, increase number of ways EOC receives NWS warnings, increase number of ways to disseminate warnings, monitoring hydrometeorological data, providing annual weather safety talks, train weather spotters, create a formal hazardous weather plan, host	No	None		Municipality with support from County, NYSOEM and FEMA		Public will be better educated and better notified of severe storms	Municipal budget	Medium	LPR, EAP	PI, ES



SECTION 9.23 VILLAGE OF WHITNEY POINT

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem	Description of Solution?	Critical Facility (Yes/No)	Environmental and Historic Preservation (EHP) Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
					annual visits by NWS to communities, etc.										
V. Whitney Point-4	Protect the Well PW-1 to the 500-year flood level	1, 3, 5	Flood	The Well is located in the 100-year floodplain	The Village will contact the facilities manager and discuss options for protecting the facility to the 500-year flood level	Yes	None		Facility manager, Village		The Well will be protected to the 500-year flood level.	HMGP	High	SIP	PP
V. Whitney Point-5	Protect the Well PW-2 to the 500-year flood level	1, 3, 5	Flood	The Well is located in the 100-year floodplain	The Village will contact the facilities manager and discuss options for protecting the facility to the 500-year flood level	Yes	None		Facility manager, Village		The Well will be protected to the 500-year flood level.	HMGP	High	SIP	PP
V. Whitney Point-6	Protect the Well PW-3 to the 500-year flood level	1, 3, 5	Flood	The Well is located in the 100-year floodplain	The Village will contact the facilities manager and discuss options for protecting the facility to the 500-year flood level	Yes	None		Facility manager, Village		The Well will be protected to the 500-year flood level.	HMGP	High	SIP	PP
V. Whitney Point-7	Protect the Village of Whitney Point DPW to the 500-year flood level	1, 3, 5	Flood	The DPW is located in the 100-year floodplain	The Village will contact the facilities manager and discuss options for protecting the facility to the 500-year flood level	Yes	None		Village DPW		The DPW will be protected to the 500-year flood level	HMGP	High	SIP	PP
V. Whitney Point-8	Protect the North Broome Senior Center to the 500-year flood level	1, 3, 5	Flood	The Senior Center is located in the 100-year floodplain. The Village does not have jurisdiction over the facility and cannot	Inform the owner/operator of the Lisle Free Library that their building is located in the floodplain and provide suggestions as to what types of mitigation can be done to protect the	Yes	None	Within 6 months	Facility manager, Town	<\$100	Provide outreach to the property owner and informing them of potential flood damage and	Municipal budget	Medium	SIP	PP





SECTION 9.23 VILLAGE OF WHITNEY POINT

Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem	Description of Solution?	Critical Facility (Yes/No)	Environmental and Historic Preservation (EHP) Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
				mitigate themselves.	building from flood damage.						possible solutions				
V. Whitney Point-9	Protect the Mary Wilcox Memorial Library to the 500-year flood level	1, 3, 5	Flood	The Library is located in the 100-year floodplain. The Village does not have jurisdiction over the facility and cannot mitigate themselves.	Inform the owner/operator of the Lisle Free Library that their building is located in the floodplain and provide suggestions as to what types of mitigation can be done to protect the building from flood damage.	Yes	None	Within 6 months	Library, Village	<\$100	Provide outreach to the property owner and informing them of potential flood damage and possible solutions	Municipal budget	Medium	SIP	PP
V. Whitney Point-10	Protect the Triangle Town Hall to the 500-year flood level	1, 3, 5	Flood	The Town Hall is located in the 100-year floodplain. The Village does not have jurisdiction over the facility and cannot mitigate themselves.	Inform the owner/operator of the Lisle Free Library that their building is located in the floodplain and provide suggestions as to what types of mitigation can be done to protect the building from flood damage.	Yes	None	Within 6 months	Town of Triangle, Village	<\$100	Provide outreach to the property owner and informing them of potential flood damage and possible solutions	Municipal budget	Medium	SIP	PP
V. Whitney Point-11	Protect the Whitney Point Post Office to the 500-year flood level	1, 3, 5	Flood	The Post Office is located in the 100-year floodplain. The Village does not have jurisdiction over the facility and cannot mitigate themselves.	The Village will contact the facilities manager and discuss options for protecting the facility to the 500-year flood level Yes	Yes	None	Within 6 months	Whitney Point Post Office, Village	<\$100	Provide outreach to the property owner and informing them of potential flood damage and possible solutions	Municipal budget	Medium	SIP	PP





Project Number	Project Name	Goals Met	Hazard(s) to be Mitigated	Description of Problem	Description of Solution?	Critical Facility (Yes/No)	Environmental and Historic Preservation (EHP) Issues	Estimated Timeline	Lead Agency	Estimated Costs	Estimated Benefits	Potential Funding Sources	Priority	Mitigation Category	CRS Category
V. Whitney Point-12	Protect the Whitney Point WWT Plant to the 500-year flood level	1, 3, 5	Flood	The DPW is located in the 100-year floodplain and is currently protected to the 100-year flood level.	The Village will contact the facilities manager and discuss options for protecting the facility to the 500-year flood level	Yes	None		Village DPW		The DPW will be protected to the 500-year flood level	HMGP	High	SIP	PP

**Notes:**

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

Does this mitigation initiative reduce the effects of hazards on new and/or existing buildings and/or infrastructure? Not applicable (N/A) is inserted if this does not apply.

Acronyms and Abbreviations:

- CAV Community Assistance Visit
- CRS Community Rating System
- DPW Department of Public Works
- 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

Potential FEMA HMA Funding Sources:

- FMA Flood Mitigation Assistance Grant Program
- HMGP Hazard Mitigation Grant Program
- PDM Pre-Disaster Mitigation Grant Program

Timeline:

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.

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

Critical Facility:

- Yes  - Critical Facility located in 1% floodplain

DRAFT



Table 9.23-14. Summary of Prioritization of Actions

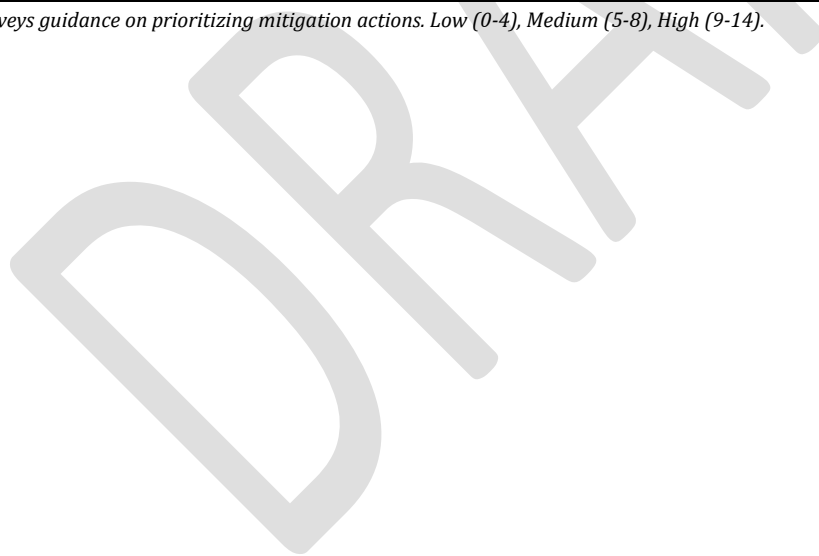
Project Number	Project Name	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community	Total	High / Medium / Low
V. Whitney Point 1 (Formerly 1)	Evaluate the level of protection of levee and maintenance/repair procedures.	1	1	1	0	1	0	1	1	1	1	1	1	1	1	12	High
V. Whitney Point 2 (Formerly 5)	Work with regulatory agencies to address chronic flooding conditions at following locations: Prospect Street, Collins Street, West Main St, Park St.	1	1	1	1	1	1	1	1	1	1	1	0	1	1	13	High
V. Whitney Point 3 (Formerly Severe storm -1)	Enhance the County/community resilience to severe storms (incl. severe winter storms) by joining the NOAA "Storm Ready" program and supporting communities in joining the program.	1	0	0	0	1	1	1	1	1	0	1	0	0	0	8	Medium
V. Whitney Point 4	Protect the Well PW-1 to the 500-year flood level	0	1	1	1	1	1	1	1	1	0	0	1	1	1	11	High
V. Whitney Point 5	Protect the Well PW-2 to the 500-year flood level	0	1	1	1	1	1	1	1	1	0	0	1	1	1	11	High
V. Whitney Point 6	Protect the Well PW-3 to the 500-year flood level	0	1	1	1	1	1	1	1	1	0	0	1	1	1	11	High
V. Whitney Point 7	Protect the Village of Whitney Point DPW to the 500-year flood level	0	1	1	1	1	1	1	1	1	0	0	1	1	1	11	High
V. Whitney Point 8	Protect the North Broome Senior Center to the 500-year flood level	0	1	0	1	1	0	1	1	1	0	0	0	1	1	8	Medium



Table 9.23-14. 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	Total	High / Medium / Low
V. Whitney Point 9	Protect the Mary Wilcox Memorial Library to the 500-year flood level	0	1	0	1	1	0	1	1	1	0	0	0	1	1	8	Medium
V. Whitney Point 10	Protect the Triangle Town Hall to the 500-year flood level	0	1	0	1	1	0	1	1	1	0	0	0	1	1	8	Medium
V. Whitney Point 11	Protect the Whitney Point Post Office to the 500-year flood level	0	1	0	1	1	0	1	1	1	0	0	0	1	1	8	Medium
V. Whitney Point 12	Protect the Whitney Point WWT Plant to the 500-year flood level	0	1	1	1	1	1	1	1	1	0	0	1	1	1	11	High

Note: Refer to Section 6, which conveys guidance on prioritizing mitigation actions. Low (0-4), Medium (5-8), High (9-14).





### **9.23.7 Future Needs to Better Understand Risk/Vulnerability**

---

None at this time.

### **9.23.8 Staff and Local Stakeholder Involvement in Annex Development**

---

The Village of Whitney Point followed the planning process described in Section 3 (Planning Process) in Volume I of this plan update. This annex was developed over the course of several months with input from many Village departments, including: the Mayor, Village Clerk/Treasurer, and Code Enforcement. The Mayor represented the community on the Broome County Hazard Mitigation Plan Planning Partnership, Steering Committee, 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.

Additional documentation on the municipality's planning process through Planning Partnership meetings is included in Section 3 (Planning Process) and Appendix C (Meetings).

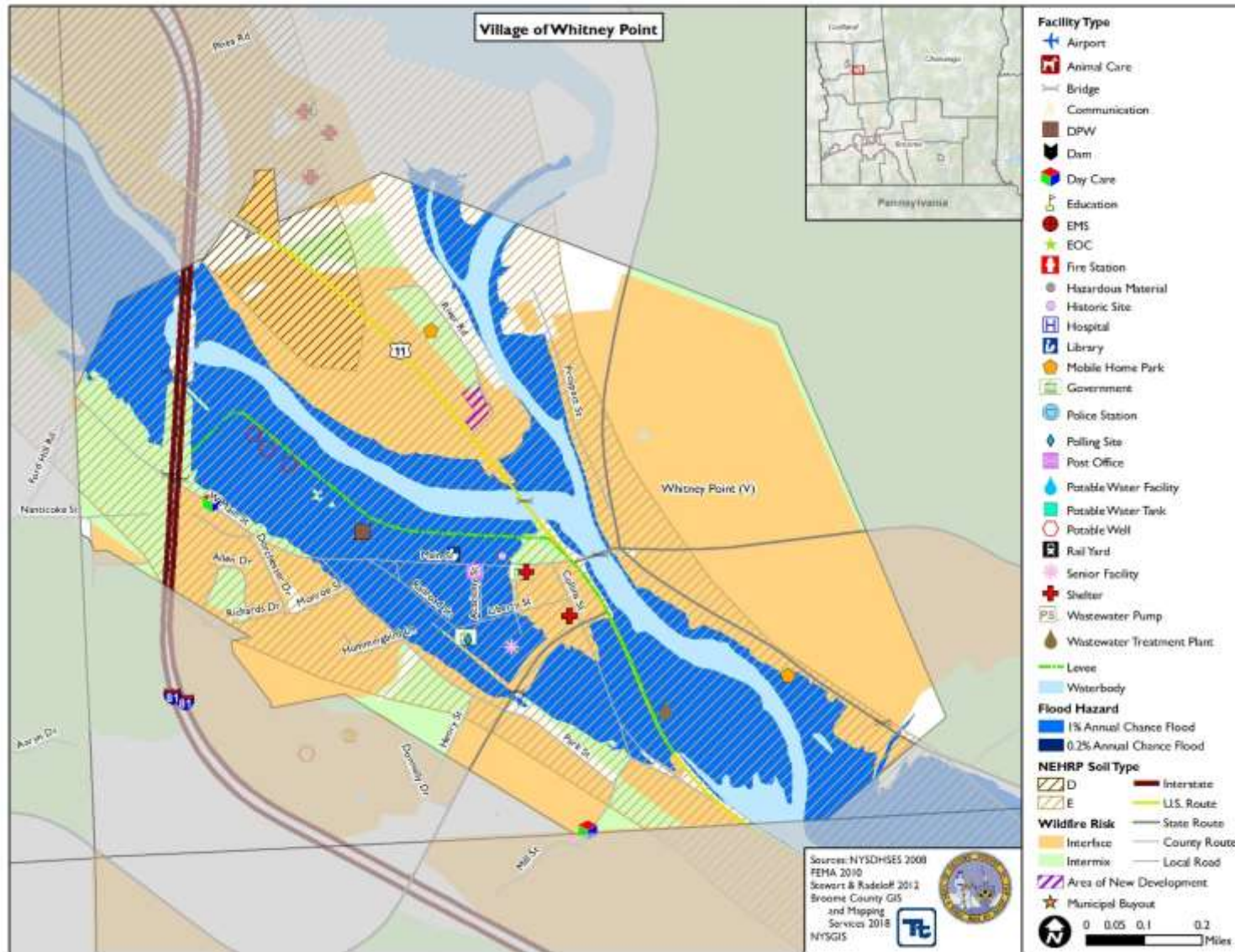
### **9.23.9 Hazard Area Extent and Location**

---

Hazard area extent and location maps have been generated for the Village of Whitney Point that illustrate the probable areas impacted within the municipality. These maps are based on the best available data at the time of the preparation of this plan and are considered to be adequate for planning purposes. Maps have only been generated for those hazards that can be clearly identified using mapping techniques and technologies, and for which the Village of Whitney Point has significant exposure. A map of the Village of Whitney Point hazard area extent and location is provided on the following page. This map indicates the location of the regulatory floodplain as well as identified critical facilities within the municipality.



Figure 9.23-1. Village of Whitney Point Hazard Area Extent and Location Map





Action Worksheet			
<b>Project Name:</b>	Evaluate the level of protection of levee and maintenance/repair procedures.		
<b>Project Number:</b>	V. Whitney Point 1		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	Flood, Severe Storm, Severe Winter Storm		
<b>Description of the Problem:</b>	The protection and status of the levee located within the Village of Whitney Point is unknown. Current level of repair is unknown as well.		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	The Village will work with the US Army Corps of Engineers to have an engineering study conducted to determine the current status of repair for the levee and evaluate process for levee accreditation.		
<b>Is this project related to a Critical Facility?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the 100-year floodplain?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
(If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater)			
<b>Level of Protection:</b>	To be determined as a result of the study.	<b>Estimated Benefits (losses avoided):</b>	An understanding of levee's level of repair and protection.
<b>Useful Life:</b>	TBD	<b>Goals Met:</b>	
<b>Estimated Cost:</b>	\$250,000	<b>Mitigation Action Type:</b>	Local Plans and Regulations
Plan for Implementation			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	5 years
<b>Estimated Time Required for Project Implementation:</b>	Within 5 Years	<b>Potential Funding Sources:</b>	HMA, USACE, NYSDHSES
<b>Responsible Organization:</b>	Village of Whitney Point, USACE, NYSDHSES	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	
Three Alternatives Considered (including No Action)			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Flood vulnerability continues.
	<b>Build new levee</b>	<b>\$1,000,000+</b>	<b>Extremely expensive</b>
	<b>Construct floodwalls alongside riverbank</b>	<b>\$500,000-\$1,000,000</b>	<b>Extremely expensive, flood walls may be inadequate to protect against flooding</b>
Progress Report (for plan maintenance)			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Action Worksheet		
<b>Project Name:</b>	Evaluate the level of protection of levee and maintenance/repair procedures.	
<b>Project Number:</b>	V. Whitney Point-1	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	0	
Fiscal	1	
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	1	
Timeline	1	
Agency Champion	1	
Other Community Objectives	1	
<b>Total</b>	12	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	Work with regulatory agencies to address chronic flooding conditions at following locations: Prospect Street, Collins Street, West Main St, Park St.		
<b>Project Number:</b>	V. Whitney Point 2		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	Flood, Severe Storm, Severe Winter Storm		
<b>Description of the Problem:</b>	The Village experiences chronic flooding at the following locations: Prospect Street, Collins Street, West Main St, Park St.		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	The Village will work with the regulatory agencies to conduct studies to determine the cause and solutions to the chronic flood conditions which take place at: Prospect Street, Collins Street, West Main St, Park St.		
<b>Is this project related to a Critical Facility?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
<b>Is this project related to a Critical Facility located within the 100-year floodplain?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
<i>(If yes, this project must intend to protect the 500-year flood event or the actual worse case damage scenario, whichever is greater)</i>			
<b>Level of Protection:</b>	To be determined as a result of the study.	<b>Estimated Benefits (losses avoided):</b>	An understanding of levee's level of repair and protection.
<b>Useful Life:</b>	TBD	<b>Goals Met:</b>	
<b>Estimated Cost:</b>	\$250,000	<b>Mitigation Action Type:</b>	Local Plans and Regulations
Plan for Implementation			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	5 years
<b>Estimated Time Required for Project Implementation:</b>	Within 5 Years	<b>Potential Funding Sources:</b>	HMA, USACE, NYSDHSES
<b>Responsible Organization:</b>	Village of Whitney Point, USACE, NYSDHSES	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	
Three Alternatives Considered (including No Action)			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Flood vulnerability continues.
	Build new levee	\$1,000,000+	Extremely expensive
	Construct floodwalls alongside riverbank	\$500,000-\$1,000,000	Extremely expensive, flood walls may be inadequate to protect against flooding
Progress Report (for plan maintenance)			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Action Worksheet		
<b>Project Name:</b>	Work with regulatory agencies to address chronic flooding conditions at following locations: Prospect Street, Collins Street, West Main St, Park St.	
<b>Project Number:</b>	V. Whitney Point-2	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	0	
Fiscal	1	
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	1	
Timeline	1	
Agency Champion	1	
Other Community Objectives	1	
<b>Total</b>	12	
<b>Priority (High/Med/Low)</b>	High	