



## 9.24 VILLAGE OF FISHKILL

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

### 9.24.1 Hazard Mitigation Plan Point of Contact

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

Primary Point of Contact	Alternate Point of Contact
R.L. Wilson, Emergency Response Coordinator 1095 Main St., Fishkill, NY 12524 845-897-4430 <a href="mailto:Rad@vofishkill.com">Rad@vofishkill.com</a>	Tom Vantine 1095 Main St., Fishkill, NY 12524 845-897-4430 <a href="mailto:Tom@vofishkill.com">Tom@vofishkill.com</a>

### 9.24.2 Municipal Profile

The Village of Fishkill is located in the southwest quadrant of Dutchess County, NY, and is completely surrounded by the Town of Fishkill. The Village comprises an area of 0.82 square miles of land. In addition, approximately 4,744 feet of the Fishkill Creek runs through the Village, abutting Sarah Taylor Park (on the north) and properties along Merritt Boulevard as far as the Village line (on the south). The Village is proximate and vulnerable to flooding from this portion of the Fishkill Creek, as well as some of its associated tributaries.

The Village notes that it has a significantly larger population of elderly residents, as compared to other Dutchess County municipalities, and seeks to ensure that these residents have sufficient accommodation for their daily needs. The Village emphasizes its traditional development structure, which allows residents to easily walk from their homes to necessary commercial and business areas, as an attractive convenience for its elderly residents.

The Village of Fishkill has several transportation options for residents, including convenient access to the Metro-North Railroad, Stewart Airport, and the Newburgh-Beacon Ferry, although these are not located within municipal boundaries. The primary transportation corridors in the Village include State Routes 9 and 52 (Main Street). The very southern edge of the Village boundaries also includes a small portion of Interstate 84. The Village’s more vulnerable structures and critical facilities will be discussed in further detail throughout the Hazard Mitigation Plan and this annex.

The population of the Village, according to the 2010 U.S. Census, was 2,171.

### Growth/Development Trends

The following table summarizes recent residential/commercial development since 2010 to present and any known or anticipated major residential/commercial development and major infrastructure development that has been identified in the next five years within the municipality. Refer to the map in Section 9.24.8 of this annex which illustrates the hazard areas along with the location of potential new development.

**Table 9.24-1. 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 2010 to present</b>					



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
Flory's Mobil	Commercial	1 Structure	Route 9 and Schuyler Blvd	None	New building on redeveloped site – Complete
Afresco Restaurant	Commercial	1 Structure	1036 Main Street	None	Redevelopment of existing building - Complete
Red Line Diner	Commercial	1 Structure	Route 9 and George Carter Way	None	New Project - Complete
Rhinebeck Savings	Commercial	1 Structure	Main Street and Jackson Street	None	New building on redeveloped site – Complete
Segreti Subdivision	Residential	2 Lots	40 Weston Ave.	None	2 lot subdivision - Complete
McHoul Funeral Home	Commercial	1 Structure	1089 Man Street	None	Redevelopment of existing building - Complete
<b>Known or Anticipated Development in the Next Five (5) Years</b>					
Jackson Crossing	Residential	27 units	71/75 Jackson Street	Special Flood Hazard Area (SFHA)	New Project - Conditioned Approval granted
Hudson Valley Federal Credit Union (HVFCU)	Commercial	1 Structure	George Carter Way & Route 9	None	New Building on redeveloped site – In planning board review
Ross Apartments	Residential	3 Units	North Street and Academy Street	Removed from SFHA by LOMA	Redevelopment of existing building – In planning board review
Vanikiotis Project	Commercial	Unknown number of retail spaces and office space on 2 <sup>nd</sup> level	Route 9	None	Before Planning Board. Should be resolved within 6 months.

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

### 9.24.3 Natural Hazard Event History Specific to the Municipality

Dutchess County has a history of natural and non-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. For the purpose of this Plan, events that have occurred in the County from 2008 to present were summarized to indicate the range and impact of hazard events in the community. Information regarding specific damages is included, if available, based on reference material or local sources. This information is presented in the table below. For details of these and additional events, refer to Volume I, Section 5.0 of this plan.

**Table 9.24-2. Hazard Event History**

Dates of Event	Event Type	FEMA Declaration # (If Applicable)	County Designated?	Summary of Damages/Losses
October 15, 2005	Flooding	N/A	N/A	Floodwaters led to the temporary closure of Elm Street and Chips Lane in the Village of Fishkill. Flooding also impacted Route 9, Sarah Taylor Park, and other areas in the Village, damaging businesses and private property in the



Dates of Event	Event Type	FEMA Declaration # (If Applicable)	County Designated?	Summary of Damages/Losses
				community and requiring the Fire Department to respond to 16 floodwater-related incidents.
April 14-16, 2007	Flooding	DR-1692	Yes	Floodwaters impacted Route 9, Elm Street, Chips Lane, Sarah Taylor Park and other areas throughout the Village. This event also required the evacuation of the majority of businesses and residents on Elm Street and led to the pharmacy's relocation. Some businesses reported water depths of approximately 4 feet. The section along Route 9, between Route 52 and Merritt Boulevard was temporarily closed, as were Elm Street, Old Main Street, Jackson Street, Chips Lane and Smith Street. The event resulted in a large amount of infrastructure and structural damage to the community, including sewer plant losses of \$155,000, damage to the railroad (with tracks being undermined and left hanging in mid-air), vegetative and other debris, an oil spill, and damage to utilities. Several local businesses lost carpeting, furniture, and propane tanks, as well as experiencing sheetrock damage.
December 26-27, 2010	Severe Winter Storm and Snowstorm / Nor'Easter	DR-1957	Yes	The Village experienced roads blocked with snow and downed trees, leading to approximately \$5,000 in overtime, equipment, and administration to remove hazards and clear roads.
March 6-13, 2011	Heavy Rainfall, Snowmelt, Ice Jams	N/A	N/A	At approximately 3pm on March 7, 2011, flooding along Elm Street was generally limited to ponding around the lowest catch basins to a depth of approximately 6 inches. Pumping operations commenced at that time, with two 6-inch trailer mounted pumps. By 5 pm, the water level in the catch basins dropped approximately 3 inches. The Fishkill Creek elevation continued to rise, and at 5pm, water was beginning to break through the railroad ballast at the east end of the Westech building. By 9:30pm, there was significant flow through the ballast and across the Westech parking lot. The water elevation in the catch basins had risen approximately 1 inch, although the pumps continued to operate. On the morning of March 8th, the water had reached the front door of the Royco Auto Parts building (elevation of 209). The water elevation on the east side of Route 9, at approximately 8am, was to the edge of the northbound travel lane, approximately 212 (3 feet higher). Records indicate that high water elevations were only approximately 1 foot different from the April 2007 floods. This information suggests that pumping operations may have helped to maintain a water elevation as much as 2 feet lower than what might have occurred if no pumping was performed. Elm Street, Chips Lane and Sarah Taylor Park in the Village of Fishkill were closed due to flooding. Additionally, the section on Route 9, between Route 52 and Merritt Boulevard, had temporarily restricted access due to the encroachment of floodwaters in travel lanes in the Elm Street area.
August 26 – September 5, 2011	Hurricane Irene	DR-4020	Yes	Flooding along Elm Street was approximately one foot deep at the intersection of Smith Street. Pumping operations included four 6-inch trailer mounted pumps. One pump failed during peak flood conditions. The water level in the Creek was higher than the spring flood, and significantly more flow occurred over the railroad. The water level appeared to be approximately 30 inches lower than the April 2007 flood. Preliminary reports indicate that



Dates of Event	Event Type	FEMA Declaration # (If Applicable)	County Designated?	Summary of Damages/Losses
				the Fishkill Creek Stream Gage was 1 foot lower than the 2007 storm. Damages from the storm led to the closure of Elm Street, Chips Lane and Sarah Taylor Park, as well as the section of Route 9 between Route 52 and Merritt Boulevard. Commercial and residential locations on Elm Street required evacuation. The Fire Department responded to 9 floodwater-related incidents and 1 water rescue. Other damage included a culvert pipe on Max Way.
October 29-30, 2011	Nor'Easter, Heavy Snow	N/A	N/A	This storm caused blocked roads, due to downed trees and power lines.
October 27 – November 8, 2012	Hurricane Sandy	EM-3351	Yes	This storm’s primary impact included flooding and power outages in the community.
February 12-13, 2014	Winter Storm	N/A	N/A	This storm limited transportation access and caused temporary road closures until snow was cleared.

### 9.24.4 Hazard Vulnerabilities and Ranking

The hazard profiles in Section 5.0 of this plan have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the hazard vulnerabilities and their ranking in the Village of Fishkill. For additional vulnerability information relevant to this jurisdiction, refer to Section 5.0.

#### Hazard Risk/Vulnerability Risk Ranking

The table below summarizes the hazard risk/vulnerability rankings of potential hazards for the Village of Fishkill.

Table 9.24-3. Hazard Risk/Vulnerability Risk Ranking

Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard <sup>a, c</sup>	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking <sup>b</sup>
Coastal Storm	100-year MRP: \$242,581.00 500-year MRP: 2370887 Annualized: \$31,605.00	Frequent	48	High
Drought	Damage estimate not available	Frequent	42	High
Earthquake	100-Year GBS: \$105,916 500-Year GBS: \$2,327,547 2,500-Year GBS: \$25,179,691	Occasional	32	High
Extreme Temperature	Damage estimate not available	Frequent	39	Medium
Flood	1% Annual Chance: \$64,031,804	Frequent	36	High
Severe Storm	100-Year MRP: \$242,581 500-year MRP: \$2,370,887 Annualized: \$31,605	Frequent	48	High
Winter Storm	1% GBS: \$4,028,591 5% GBS: \$20,142,955	Frequent	51	High



Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard <sup>a, c</sup>	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking <sup>b</sup>
Wildfire	Estimated Value in the WUI: \$511,336,415	Frequent	42	High

Notes:

GBS = General building stock; MRP = Mean return period.

- a. The general building stock valuation is based on the custom inventory generated for the municipality and based on improved value.
- b. High = Total hazard priority risk ranking score of 31 and above  
Medium = Total hazard priority risk ranking of 20-30+  
Low = Total hazard risk ranking below 20
- c. Loss estimates for the severe storm and severe winter storm hazards are structural values only and do not include the estimated value of contents. The earthquake and hurricane wind hazards were evaluated by Census tract. The Census tracts do not exactly align with municipal boundaries; therefore, a total is reported for each Town inclusive of the Villages. Loss estimates for the flood and earthquake hazards represent both structure and contents. Potential flood loss estimates were generated using HAZUS-MH 2.2 and the 2011 FEMA DFIRM for the 1-percent annual chance event. For the wildfire hazard, the improved value and estimated contents of buildings located within the identified hazard zones is provided.

### National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the Village of Fishkill.

Table 9.24-4. NFIP Summary

Municipality	# Policies (1)	# Claims (Losses) (1)	Total Loss Payments (2)	# Rep. Loss Prop. (1)	# Severe Rep. Loss Prop. (1)	# Policies in 100-year Boundary (3)
Village of Fishkill	50	40	\$1,268,875.97	10	0	39

Source: FEMA Region 2, 2014

- (1) Policies, claims, repetitive loss and severe repetitive loss statistics provided by FEMA Region 2, and are current as of 12/31/2014. Please note the total number of repetitive loss properties does not include the severe repetitive loss properties. The number of claims represents claims closed by 12/31/14.
- (2) Total building and content losses from the claims file provided by FEMA Region 2.
- (3) The policies inside and outside of the flood zones is based on the latitude and longitude provided by FEMA Region 2 in the policy file.

Notes: FEMA noted that where there is more than one entry for a property, there may be more than one policy in force or more than one GIS possibility.

A zero percentage denotes less than 1/100th percentage and not zero damages or vulnerability as may be the case.

Number of policies and claims and claims total exclude properties located outside County boundary, based on provided latitude and longitude

### Critical Facilities

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

Table 9.24-5. Potential Flood Losses to Critical Facilities

Name	Type	Exposure		Potential Loss from 1% Flood Event		
		1% Event	0.2% Event	Percent Structure Damage	Percent Content Damage	Days to 100-Percent(1)
Fishkill Elementary School	School		X	-	-	-
Fishkill Village WTP	Wastewater Treatment Facility	X	X	-	-	-
Village of Fishkill Hall	Village Hall		X	-	-	-

Source: Dutchess County, NYGIS

Note (1): HAZUS-MH 2.2 provides a general indication of the maximum restoration time for 100% operations. Clearly, a great deal of effort is needed to quickly restore essential facilities to full functionality; therefore this will be an indication of the maximum downtime (HAZUS-MH 2.1 User Manual).





Note (2): In some cases, a facility may be located in the DFIRM flood hazard boundary; however HAZUS did not calculate potential loss. This may be because the depth of flooding does not amount to any damages to the structure according to the depth damage function used in HAZUS for that facility type. Further, HAZUS-MH may estimate potential damage to a facility that is outside the DFIRM because the model generated a depth grid beyond the DFIRM boundaries.

X Facility located within the DFIRM boundary  
 - Not calculated by HAZUS-MH 2.2

**Other Vulnerabilities Identified**

The municipality has identified the following vulnerabilities within their community. All areas specific are vulnerable to flooding:

- Village Wastewater Treatment Plant
- Elm Street, Chips Lane, and Route 9 – Street and private property flooding
- Route 9 (Major North-South Arterial) – Flood-related closings at intersection with Elm Street

Flooding vulnerability in the Village of Fishkill has been exacerbated by additional factors. Specifically, overdevelopment on the banks of the Fishkill Creek in other jurisdictions has destroyed natural wetlands and open space flood mitigation benefits, while the impacts of debris loading from downed trees, silt buildup, etc. in contiguous and downstream municipalities is causing water backup that contributes to floods within the Village.

**9.24.5 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 Fishkill.

**Table 9.24-6. Planning and Regulatory Tools**

Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No)	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>				
Master Plan	Yes/2009	Local (Village)	Building Inspector	Currently under review update
Capital Improvements Plan	No	-	-	-
Floodplain Management / Basin Plan	Yes/2012	Local (Village)	Building Inspector; Village Engineer; Water/Sewer	Article IX
Stormwater Management Plan	Yes/2007	Local (Village)	Building Inspector; Village Engineer;	Article XVIII



Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No)	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
			Water/Sewer	
Open Space Plan	No	-	-	-
Stream Corridor Management Plan	No	-	-	-
Watershed Management or Protection Plan	No	-	-	-
Economic Development Plan	No	-	-	-
Comprehensive Emergency Management Plan	No	-	-	-
Emergency Response Plan	Yes	Local (Town and Village)	Emergency Response Coordinator	Disaster Preparedness Manual – Volumes 1 and 2
Post-Disaster Recovery Plan	No	-	-	-
Transportation Plan	No	-	-	-
Strategic Recovery Planning Report	No	-	-	-
Other Plans	No	-	-	-
<b>Regulatory Capability</b>				
Building Code	Yes/2010	State and Local	Building Inspector	Chapter 53
Zoning Ordinance	Yes/1984	Local (Village)	Planning/Zoning Boards	Chapter 171
Subdivision Ordinance	Yes/2009	Local (Village)	Planning/Zoning Boards	Chapter 171
NFIP Flood Damage Prevention Ordinance	Yes/1984	Federal, State, Local Ordinance	Building Inspector	-
NFIP: Cumulative Substantial Damages	No	-	-	-
NFIP: Freeboard	Yes	State and Local		State mandated BFE+2 for single and two-family residential construction, BFE+1 for all other construction types
Growth Management Ordinances	No	-	-	-
Site Plan Review Requirements	Yes/2001	Local (Village)	Planning/Zoning Boards	Article X
Stormwater Management Ordinance	Yes/2007	Local (Village)	Building Inspector; Village Engineer; Water/Sewer	
Municipal Separate Storm Sewer System (MS4)	Yes/2007	Local (Village)	Building Inspector; Village Engineer; Water/Sewer	Chapter 131
Natural Hazard Ordinance	No	-	-	-
Post-Disaster Recovery Ordinance	No	-	-	-
Real Estate Disclosure Requirement	Yes	State	-	NYS mandate, Property Condition Disclosure Act, NY Code -



Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No)	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
				Article 14 §460-467
Other [Special Purpose Ordinances (i.e., sensitive areas, steep slope)]	Yes	Local (Village)	Building Inspector and Planning/Zoning Boards	Chapter 171

### Administrative and Technical Capability

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

**Table 9.24-7. Administrative and Technical Capabilities**

Resources	Is this in place? (Yes or No)	Department/ Agency/Position
<b>Administrative Capability</b>		
Planning Board	Yes	Village Board of Trustees
Mitigation Planning Committee	No	-
Environmental Board/Commission	No	-
Open Space Board/Committee	No	-
Economic Development Commission/Committee	No	-
Maintenance Programs to Reduce Risk	No	-
Mutual Aid Agreements	Yes	Fire and Police
<b>Technical/Staffing Capability</b>		
Planner(s) or Engineer(s) with knowledge of land development and land management practices	Yes	Village Planning and Zoning Boards
Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Yes	Contracted Services
Planners or engineers with an understanding of natural hazards	Yes	Village Planning and Zoning Boards
NFIP Floodplain Administrator	Yes	Building Inspector
Surveyor(s)	No	-
Personnel skilled or trained in GIS and/or HAZUS-MH applications	Yes	Contracted Village Engineer (GIS)
Scientist familiar with natural hazards	No	-
Emergency Manager	Yes	Emergency Response Coordinator
Grant Writer(s)	Yes	Contract, as needed
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 Fishkill.

**Table 9.24-8. Fiscal Capabilities**

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	Yes





Financial Resources	Accessible or Eligible to Use (Yes/No)
Capital Improvements Project Funding	No
Authority to Levy Taxes for specific purposes	No
User fees for water, sewer, gas or electric service	Yes
Impact Fees for homebuyers or developers of new development/homes	No
Stormwater Utility Fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	No
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	No
Other Federal or State Funding Programs	No
Open Space Acquisition Funding Programs	No
Other	No

The Village additionally notes two concerns related to fiscal capability:

- The Village is very limited in discretionary funds because of budgetary constraints, including the 2% tax cap.
- The Village has a large aging population with a fixed-income, limited the amount of discretionary home improvements that residents can voluntarily provide for themselves.

### Community Classifications

The table below summarizes classifications for community program available to the Village of Fishkill.

**Table 9.24-9. 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)	Yes	5	2008
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	5	2011
Storm Ready	No	-	-
Firewise	No	-	-
Disaster/Safety Programs in/for Schools	Yes	-	-
Organizations with Mitigation Focus (advocacy group, non-government)	No	-	-
Public Education Program/Outreach (through website, social media)	No	-	-
Public-Private Partnerships	No	-	-

*N/A = Not applicable. NP = Not participating. - = Unavailable. TBD = To be determined.*

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
- The ISO Mitigation online ISO’s Public Protection website at <http://www.isomitigation.com/ppc/0000/ppc0001.html>
- The National Weather Service Storm Ready website at <http://www.weather.gov/stormready/howto.htm>
- The National Firewise Communities website at <http://firewise.org/>

### Self-Assessment of Capability

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

Table 9.24-10. 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

The following section provides details on the National Flood Insurance Program (NFIP) as implemented within the municipality:

#### NFIP Floodplain Administrator

Thomas E. VanTine, Building Inspector

#### Flood Vulnerability Summary

As supported by the number of claims and flooding events described in this section, the Village of Fishkill is vulnerable to flood damage, particularly in the area around Elm Street. The municipality does not maintain active inventories of flood-damaged properties; however, it notes that no property owners have expressed an interest in flood mitigation or protective measures, such as elevation or acquisition.



Flood damage from Hurricane Irene, Hurricane Sandy, and other flood events has led to the damage of both private and public property, with about 3 dozen properties in total having experienced damage (and with some of these being repetitive loss properties). The Village pursues flood mitigation opportunities, including education and new regulations, where applicable or beneficial.

### Resources

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The community FDPO identifies the Village Building Inspector as the local NFIP Floodplain Administrator, currently Thomas VanTine, for which floodplain administration is an auxiliary duty.

It is the intent and purpose of the NFIP Floodplain Administrator to promote the public health, safety, and general welfare and to minimize public and private losses due to flood conditions in specific areas. Floodplain manager duties include: 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; require that uses vulnerable to floods, including facilities which serve such uses, be protected against flood damage at the time of initial construction; control the alteration of natural floodplains, stream channels, and natural protective barriers which are involved in the accommodation of floodwaters; control filling, grading, dredging and other development which may increase erosion or flood damages; regulate the construction of flood barriers which will unnaturally divert floodwaters or which may increase flood hazards to other lands; and qualify for and maintain participation in the National Flood Insurance Program. All plan reviews are designed to take flood risk and reduction into consideration.

The Building Inspector feels he and his staff are adequately supported and trained to fulfill his responsibilities as the municipal floodplain administrator; however, he would appreciate the opportunity for more frequent training. The Village would participate in any continuing education or certification training on floodplain management were it offered for all local floodplain administrators.

### Compliance History

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Since 1978, 40 claims have been paid totaling \$1,268,876 (50 claims total have been submitted; however, 10 claims were closed without pay). The Village has experienced several flooding events, including Hurricane Irene, Hurricane Sandy, severe storms and flooding in 2007, and smaller floods and storms. Floodwaters frequently lead to the temporary closure of Route 9 between Route 52 and Merritt Boulevard, as well as Elm Street, Old Main Street, Jackson Street, Chips Lane and Smith Street. They have also led to utility outages, substantial property damages, and evacuation procedures, especially along Elm Street. Approximately three dozen structures have been damaged through a combination of Hurricane Irene, Hurricane Sandy, and other storm events.

The Village is currently in good standing in the NFIP. The current NFIP Floodplain Administrator has no knowledge of when the last CAV was performed. The municipality sees no specific need for a CAV at this time.

### Regulatory

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The Village's Flood Damage Prevention Ordinance (FDPO) was last reviewed and updated on March 21, 2012, and is found at Chapter 78 of the local code. The FDPO is available for online review at <http://www.ecode360.com/10585703>.

Floodplain management regulations and ordinances meet the FEMA and New York State minimum requirements. There are additional ordinances, plans, and programs within the Village, including on stormwater management, erosion and sediment control, and freshwater wetlands, further supporting the enforcement of the floodplain management program.



## Community Rating System

The Village of Fishkill does not participate in the Community Rating System (CRS) program.

## 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.

## Planning

**Land Use Planning:** The Village has a Planning Board and Zoning Board of Appeals which review all applications for development and consider natural hazard risk areas in their review. Municipal planners serve as advisors to the Board of Trustees, Planning Board, and Zoning Board of Appeals. Many development activities require additional levels of environmental review, specifically NYS SEQRA and Federal NEPA requirements. The Planning Board and Zoning Board of Appeals will require additional actions to mitigate natural hazards risks, where necessary, such as when Jackson Crossing was required to create a flood storage area.

**Village of Fishkill Comprehensive Plan 2009:** The Village completed a Comprehensive Plan, which included the identification of natural hazard risk areas like wetlands as well as land use and zoning recommendations for managing those risks. Some of the recommendations included the following:

1. The Village should continue to provide more opportunities for community activities and interaction by the possible acquisition of additional park land and recreational facilities which are easily accessible by Village residents.
2. The Village should continue to work with the Fire Department to assure that adequate facilities are provided which will accommodate the department's equipment, vehicles and member needs.

The Village Comprehensive Plan is currently undergoing an update review.

## Regulatory and Enforcement

**Zoning Code Chapter 171:** The Village's zoning code includes districts and standards pertaining to the mitigation of hazards. These sections include the stormwater management & erosion control standards. The Village Code also addresses steep slope and floodplain development, as well as offers review criteria to the Planning Board and Zoning Board of Appeals.

**Site Plan/Subdivision Review Chapter 139:** The Village's Planning Board is tasked with site plan/subdivision review. The Planning board pays special attention to ensure that developments mitigate the issues associated stormwater.

**Building Code Chapter 53:** The building codes are strictly enforced to make new and renovated buildings as prepared as possible for hazard related incidents. The chapter includes a provision to allow the building inspector to make emergency repairs to protect the health safety and welfare of the residents.

## Fiscal

**Operating Budget:** The Village's operating budget contains minimal provisions for expected repairs like snow removal and infrastructure repair after a storm or natural disaster.



**Grants:** The Village pursues mitigation-related grant programs, where applicable and when offered. The Village completed the stormwater conveyance system upgrade through a Community Development Block Grant (CDBG) award, with local contribution being provided through labor force and engineering consultant fees.

### **Education and Outreach**

The Village has a Disaster preparedness webpage indicating that the Village professionals are actively trained in mitigation and emergency response and includes the contact information for the emergency response coordinator. The Village helps maintain the Town of Fishkill Emergency Preparedness Committee Facebook page (<https://www.facebook.com/TownOfFishkillEmergencyPreparednessCommittee>) and supports the Dutchess County Emergency Management Facebook page (<https://www.facebook.com/pages/Dutchess-County-Emergency-Management/532747980178901>). The Planning Department is a member of the Dutchess County Planning Federation and attends trainings and researches best practices that other communities are implementing. DPW takes classes and implements in hazardous reduction techniques in various capital improvements. The Village has planned to budget for training for personnel including professional development geared towards health and safety. Specifically, the Professional Engineer attends trainings on stormwater management and flood hazard reduction, and the Building Department staff receive yearly trainings on various topics.

### **9.24.6 Mitigation Strategy and Prioritization**

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

#### **Past Mitigation Initiative Status**

The Village of Fishkill has no prior mitigation strategy.

#### **Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy**

The Village of Fishkill has identified the following as mitigation projects/activities that have been completed, are planned, or on-going within the municipality:

- New Stormwater Collection System
- New Emergency Generator and Transformer at Wastewater Treatment Facility (installed above flood stage level)

#### **Proposed Hazard Mitigation Initiatives for the Plan**

The Village of Fishkill participated in a mitigation action workshop in March 2015 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). In May 2015, the Village of Fishkill participated in a second workshop and was provided the results to the risk assessment to further assist with the identification of mitigation actions.

Table 9.24-11 summarizes the comprehensive-range of specific mitigation initiatives the Village of Fishkill 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. 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 9.24-12 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan



Table 9.24-11. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding <sup>1</sup>	Timeline	Priority	Mitigation Category	CRS Category
VF-1	Install a stormwater pumping station for Elm Street, Chips Lane, and other vulnerable areas by using the railroad ballast as a dike.	Existing	Flood, Severe Storms	2, 4, 5	Village of Fishkill	High	Medium/High	FEMA and other federal grants, State/NYS DHSES, Local Grants	Short (DOF)	Medium	SIP, NSP	PP, NR
VF-2	Remove snags, silt and other obstructions in Fishkill Creek to reduce flooding and creek flow backup.	Existing	Flood, Severe Storms	1, 2, 4, 5	Village of Fishkill, Town of Fishkill, Other Jurisdictions as appropriate	Medium	Medium	FEMA and other federal grants, State/NYS DHSES, Local Grants	OG (DOF)	High	NSP	PP, NR
VF-3	Create a partnership between the Village, Towns of Fishkill, East Fishkill, and the City of Beacon to complete a floodplain management plan.	N/A	Flood, Severe Storms	2, 3, 5, 6, 7	Village of Fishkill, Towns of Fishkill and East Fishkill, and City of Beacon	Medium	Medium	FEMA and other federal grants, State/NYS DHSES, Local Grants	Short (DOF)	High	LPR	PR, NR
VF-4	Promote and support regional planning activities, including but not limited to participation on watershed councils and HMP annual review/plan maintenance committees.	N/A	All	2, 3, 5, 6, 7	Village of Fishkill (EMC)	Medium	Low	Staff time	OG	Medium	LPR	PR
VF-5	Notify and provide needed support to the facility manager/operator of the Elm Street Shell to evaluate the facility's flood vulnerability and to identify feasible mitigation options. Assure that any mitigation addresses the 500-year	Existing	Flood, Severe Storms	2, 3	Municipal NFIP FPA	High – Reduced Risk to Critical Facility	Low	Staff Time, FEMA, NYS DHSES, County, Municipal	Short	Medium	EAP, LPR	PI, PP

<sup>1</sup> Limited Village match available





Table 9.24-11. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding <sup>1</sup>	Timeline	Priority	Mitigation Category	CRS Category
	flood event or "worst damage scenario".											
VF-6	Notify and provide support to the facility manager/operator of Fishkill Elementary School to evaluate the facility's flood vulnerability and to identify feasible mitigation options. Assure that any mitigation addresses the 500-year flood event or "worst damage scenario".	Existing	Flood, Severe Storms	2, 3	Municipal NFIP FPA	High – Reduced Risk to Critical Facility	Low	Staff Time, FEMA, NYS DHSES, County, Municipal	Short	Medium	EAP, LPR	PI, PP
VF-7	Notify and provide support to the facility manager/operator of Fishkill Gulf to evaluate the facility's flood vulnerability and to identify feasible mitigation options. Assure that any mitigation addresses the 500-year flood event or "worst damage scenario".	Existing	Flood, Severe Storms	2, 3	Municipal NFIP FPA	High – Reduced Risk to Critical Facility	Low	Staff Time, FEMA, NYS DHSES, County, Municipal	Short	Medium	EAP, LPR	PI, PP
VF-8	Notify and provide support to the facility manager/operator of Fishkill Village WTP to evaluate the facility's flood vulnerability and to identify feasible mitigation options. Assure that any mitigation addresses the 500-year flood event or "worst damage scenario".	Existing	Flood, Severe Storms	2, 3	Municipal NFIP FPA	High – Reduced Risk to Critical Facility	Low	Staff Time, FEMA, NYS DHSES, County, Municipal	Short	Medium	EAP, LPR	PI, PP
VF-9	Notify and provide support to the facility manager/operator of Route 9 Shell to evaluate the facility's flood vulnerability and to identify feasible mitigation options. Assure that any mitigation addresses the 500-year flood event or "worst damage scenario".	Existing	Flood, Severe Storms	2, 3	Municipal NFIP FPA	High – Reduced Risk to Critical Facility	Low	Staff Time, FEMA, NYS DHSES, County, Municipal	Short	Medium	EAP, LPR	PI, PP
VF-	Notify and provide support to the	Existing	Flood,	2, 3	Municipal	High –	Low	Staff Time,	Short	Medium	EAP,	PI,





**Table 9.24-11. Proposed Hazard Mitigation Initiatives**

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding <sup>1</sup>	Timeline	Priority	Mitigation Category	CRS Category
10	facility manager/operator of the Village Hall to evaluate the facility's flood vulnerability and to identify feasible mitigation options. Assure that any mitigation addresses the 500-year flood event or "worst damage scenario".		Severe Storms		NFIP FPA	Reduced Risk to Critical Facility		FEMA, NYS DHSES, County, Municipal			LPR	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
RFC	Repetitive Flood Claims Grant Program (discontinued)
SRL	Severe Repetitive Loss Grant Program (discontinued)

Timeline:

Short	1 to 5 years
Long Term	5 years or greater
OG	On-going program
DOF	Depending on funding

Costs:

Where actual project costs have been reasonably estimated:

Low	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Where actual project costs cannot reasonably be established at this time:

Low	Possible to fund under existing budget. Project is part of, or can be part of an existing on-going program.
Medium	Could budget for under existing work plan, but would require a reapportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.

Benefits:

Where possible, an estimate of project benefits (per FEMA's benefit calculation methodology) has been evaluated against the project costs, and is presented as:

Low=	< \$10,000
Medium	\$10,000 to \$100,000
High	> \$100,000

Where numerical project benefits cannot reasonably be established at this time:

Low	Long-term benefits of the project are difficult to quantify in the short term.
Medium	Project will have a long-term impact on the reduction of risk exposure to life and property, or project will provide an immediate reduction in the risk exposure to property.





Costs:

High Would require an increase in revenue via an alternative source (i.e., bonds, grants, fee increases) to implement. Existing funding levels are not adequate to cover the costs of the proposed project.

Benefits:

High Project will have an immediate impact on the reduction of risk exposure to life and property.

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



Table 9.24-12. Summary of Prioritization of Actions

Mitigation Action / Project Number	Mitigation Action/Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
VF-1	Install a stormwater pumping station for Elm Street, Chips Lane, and other vulnerable areas by using the railroad ballast as a dike.	1	1	1	0	0	1	-1	0	1	1	1	1	1	0	8	Medium
VF-2	Remove snags, silt and other obstructions in Fishkill Creek to reduce flooding and creek flow backup.	1	1	1	1	1	0	0	1	0	1	1	0	1	1	10	High
VF-3	Create a partnership between the Village, Towns of Fishkill, East Fishkill, and the City of Beacon to complete a floodplain management plan.	0	0	1	1	0	1	0	0	1	1	1	1	1	1	9	High
VF-4	Promote and support regional planning activities, including but not limited to participation on watershed councils and HMP annual review/plan maintenance committees.	0	0	1	1	1	1	1	0	0	1	1	0	0	1	9	Medium
VF-5	Notify and provide support to the facility manager/operator of Elm Street Shell to evaluate the facility's flood vulnerability and to identify feasible mitigation options.	0	1	1	0	0	0	1	0	1	1	1	1	0	0	7	Medium
VF-6	Notify and provide support to the facility manager/operator of Fishkill Elementary School to evaluate the facility's flood vulnerability and to identify feasible mitigation options.	0	1	1	0	0	0	1	0	1	1	1	1	0	0	7	Medium
VF-7	Notify and provide support to the facility manager/operator of Fishkill Gulf to evaluate the facility's flood vulnerability and to identify feasible mitigation options.	0	1	1	0	0	0	1	0	1	1	1	1	0	0	7	Medium



Table 9.24-12. Summary of Prioritization of Actions

Mitigation Action / Project Number	Mitigation Action/Initiative	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
VF-8	Notify and provide support to the facility manager/operator of Fishkill Village WTP to evaluate the facility’s flood vulnerability and to identify feasible mitigation options.	0	1	1	0	0	0	1	0	1	1	1	1	0	0	7	Medium
VF-9	Notify and provide support to the facility manager/operator of Route 9 Shell to evaluate the facility’s flood vulnerability and to identify feasible mitigation options.	0	1	1	0	0	0	1	0	1	1	1	1	0	0	7	Medium
VF-10	Notify and provide support to the facility manager/operator of the Village Hall to evaluate the facility’s flood vulnerability and to identify feasible mitigation options.	0	1	1	0	0	0	1	0	1	1	1	1	0	0	7	Medium

Note: Refer to Section 6 which contains the guidance on conducting the prioritization of mitigation actions.



### **9.24.7 Future Needs To Better Understand Risk/Vulnerability**

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None at this time.

### **9.24.8 Hazard Area Extent and Location**

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Hazard area extent and location maps have been generated for the Village of Fishkill 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 Fishkill has significant exposure. These maps are illustrated in the hazard profiles within Section 5.4, Volume I of this Plan.

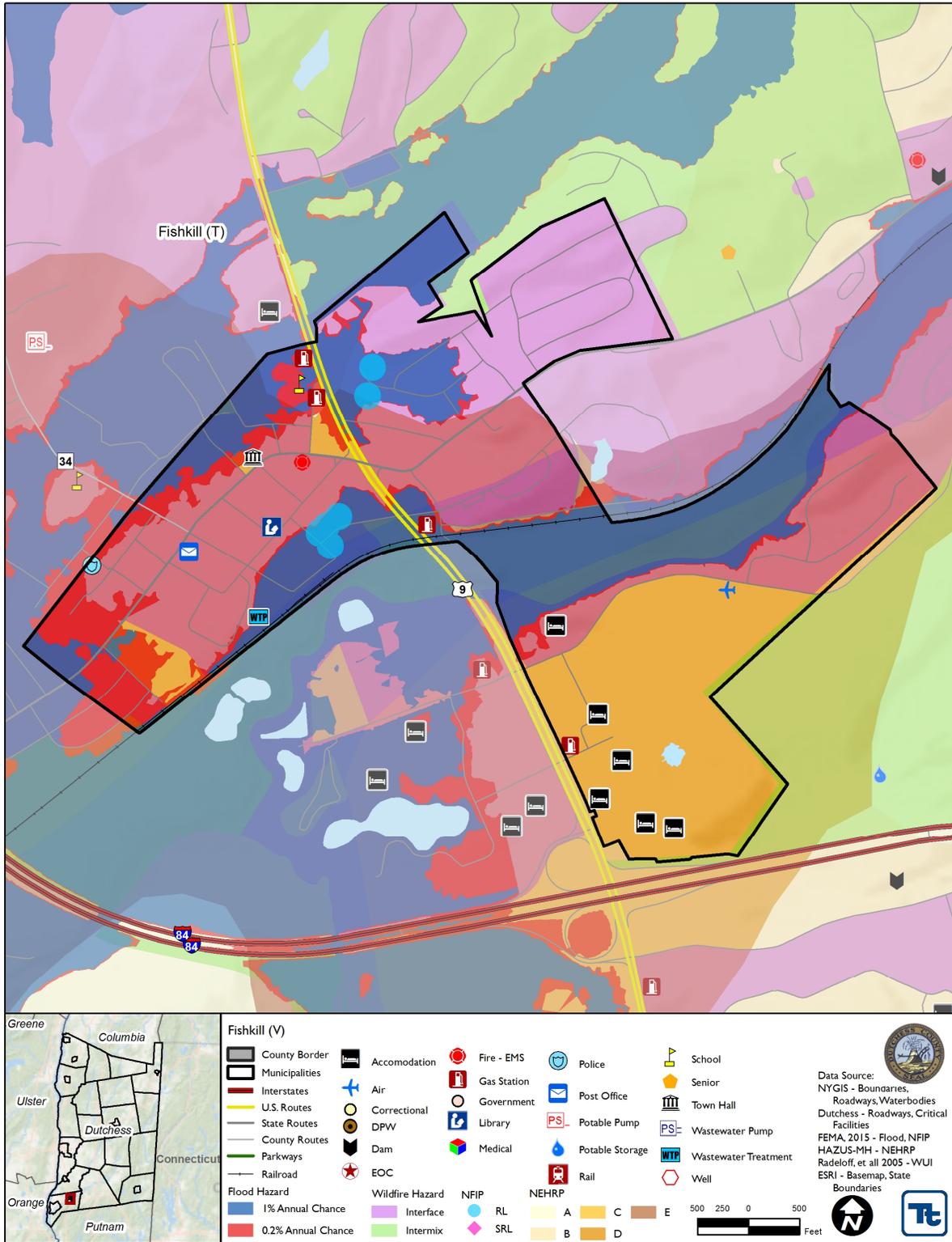
### **9.24.9 Additional Comments**

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None at this time.



Figure 9.24-1. Village of Fishkill Hazard Area Extent and Location Map 1





**Name of Jurisdiction:** Village of Fishkill  
**Name and Title Completing Worksheet:** Rad Wilson, Emergency Response Coordinator  
**Action Number:** VF-1  
**Mitigation Action Name:** Stormwater Pumping Station

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Flooding, Severe Storms (that may result in flooding)
<b>Specific problem being mitigated:</b>	Eliminate/lessen the flooding of Elm St., Chips Ln, Sewer Plant, and NYS Rt 9
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	<ol style="list-style-type: none"> <li>1. Do nothing (not an option; flooding damage is expensive and repetitive)</li> <li>2. Build a dike adjacent to the railroad (R/R) bed w/ pumping station (too expensive and not feasible)</li> <li>3. Build pumping station using the R/R ballast as a dike (most feasible, with a degree of efficiency)</li> </ol>
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Build pumping station using the R/R ballast as a dike
<b>Mitigation Action Type</b>	SIP, NSP
<b>Goals Met</b>	2, 4, 5
<b>Applies to existing and or new development, or not applicable</b>	Existing
<b>Benefits (losses avoided)</b>	Lessen costly damage repairs and frequency of flooded structures; limit road closures; and limit the shutdown and overflow of the sewer plant (ensuring continuity of services to residents)
<b>Estimated Cost</b>	Medium/High
<b>Priority*</b>	Medium
Plan for Implementation	
<b>Responsible Organization</b>	Village of Fishkill
<b>Local Planning Mechanism</b>	Planning through Village Engineer
<b>Potential Funding Sources</b>	FEMA and other federal grants, State/NYS DHSES, Local Grants <sup>2</sup>
<b>Timeline for Completion</b>	Dependent on Funding. Once funding is secured, short timeline
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:

<sup>2</sup> Limited Village match available



**Action Number:** VF-1  
**Mitigation Action Name:** Stormwater Pumping Station

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	Reduce likelihood of flood damages to structures on or near Elm St., Chips Ln, Sewer Plant, and NYS Rt 9.
Cost-Effectiveness	1	In contrast to other mitigation actions and the frequency of flood repairs to this area
Technical	0	
Political	0	
Legal	1	
Fiscal	-1	
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	1	
Timeline	1	Assuming funding is able to be secured
Agency Champion	1	Rad Wilson, Emergency Response Coordinator, and Tom VanTine, Codes Enforcement Officer
Other Community Objectives	0	
<b>Total</b>	8	
<b>Priority</b>	Medium	



**Name of Jurisdiction:** Village of Fishkill  
**Name and Title Completing Worksheet:** Rad Wilson, Emergency Response Coordinator  
**Action Number:** VF-2  
**Mitigation Action Name:** Obstruction Removal from Fishkill Creek

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Flooding, Severe Storms (that may result in flooding)
<b>Specific problem being mitigated:</b>	Eliminate/lessen the flooding frequency from creek flow backups due to debris loading, snags, and silt.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	4. Do nothing (not an option; flooding damage is expensive and repetitive) 5. Widen and dredge the creek from Route 9 to the Glenham Dam (too expensive and not feasible) 6. Remove snags, silt and other obstructions (most feasible to help with backups)
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Remove snags, silt and other obstructions
<b>Mitigation Action Type</b>	NSP
<b>Goals Met</b>	1, 2, 4, 5
<b>Applies to existing and or new development, or not applicable</b>	Existing
<b>Benefits (losses avoided)</b>	Lessen potential for backup and flooding
<b>Estimated Cost</b>	Medium
<b>Priority*</b>	High
Plan for Implementation	
<b>Responsible Organization</b>	Village of Fishkill, Town of Fishkill, Other Jurisdictions as appropriate
<b>Local Planning Mechanism</b>	Planning through adjoining municipalities with input from the Village and approvals from NYS DEC and Army Corp. of Engineers
<b>Potential Funding Sources</b>	FEMA and other federal grants, State/NYS DHSES, Local Grants <sup>3</sup>
<b>Timeline for Completion</b>	Dependent on Funding. Once funding is secured, ongoing timeline
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:

<sup>3</sup> Limited Village match available



Action Number:

VF-2

Mitigation Action Name:

Obstruction Removal from Fishkill Creek

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	Reduce likelihood of flood damages to structures near areas most frequently backed up
Cost-Effectiveness	1	In contrast to other mitigation actions and the frequency of flood repairs to this area
Technical	1	
Political	1	
Legal	0	Requires multijurisdictional coordination
Fiscal	0	
Environmental	1	
Social	0	
Administrative	1	
Multi-Hazard	1	
Timeline	0	Assuming funding is able to be secured
Agency Champion	1	Rad Wilson, Emergency Response Coordinator, and Tom VanTine, Codes Enforcement Officer
Other Community Objectives	1	Strengthen relationships with neighboring jurisdictions
<b>Total</b>	10	
<b>Priority</b>	High	