



## 9.7 Town of Patterson

This section presents the jurisdictional annex for the Town of Patterson.

### 9.7.1 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
Richard Williams Sr., Town Planner 1142 Route 311, Patterson, New York 12563 845-878-6500 <a href="mailto:planning@pattersonny.org">planning@pattersonny.org</a>	Peter Dandreano, Patterson Town Board 1142 Route 311, Patterson, New York 12563 845-878-6500 <a href="mailto:pdandreano@yahoo.com">pdandreano@yahoo.com</a>

### 9.7.2 Municipal Profile

This section provides a summary of the community.

#### Population

According to the 2010 U.S. Census, the population of the Town of Patterson was 12,023.

#### Location

The Town of Patterson is located in the northeast corner of Putnam County, New York, in the Lower Hudson Valley region of New York State.

#### Brief History

The Town was first settled around 1720 in The Oblong, which was a disputed area in southeastern New York also claimed by the colony of Connecticut. The Oblong was a strip of land approximately 2.9 km wide between Dutchess County New York and Connecticut, ceded to New York in the 1731 Treaty of Dover. Between 1720 and 1776 a large number of mostly Connecticut families settled in the southern Oblong who could not settle west of it because that land was privately owned by the Philipse Family, who owned virtually all of the rest of the future Putnam County. The first such settlers were the Hayt family, who built a house at The Elm in 1720.

Another early settler was Jacob Haviland, who settled Haviland Hollow in 1731. The first village in Putnam County, the hamlet of Patterson, was originally called Frederickstown, which lent its name to the eastern part of the future Putnam County other than the oblong, which was called Southeast Precinct (not the same as the current town of Southeast). After the revolution, the Philipse land was confiscated, and in 1788, the former Philipse portion of the Oblong was chartered as the Town of Southeast, the remainder of the region being chartered as the Town of Fredericktown. In 1795, Fredericktown Township was split up into four parts:

1. Town of Carmel,
2. A part which was combined with the northern half of Southeast and became the Town of Franklin which was renamed the Town of Patterson in 1808,
3. A part which was combined with the southern half of Southeast and became the new, much larger town of Southeast, and
4. The remnant of the town, which was the Town of Frederick for a while, but was renamed the Town of Kent in 1817.



### Governing Body Format

The Town Board is the main governing body in the Town of Patterson. The Supervisor is the chief elected official, and serves a term of four years. Town Councilperson serves terms of four years.

### Growth/Development Trends

The following table summarizes major development that occurred in the municipality over the past five years, as well as known or anticipated future development in the next five (5) years. Refer to the map in section 9.7.8 of this annex which illustrates the hazard areas along with the location of potential new development.

**Table 9.7-1. Growth and Development**

Property Name	Type (Residential or Commercial)	Number of Structures	Address / Parcel ID(s)	Known Hazard Zone*	Description / Status
Patterson Crossing	Commercial	3	Route 311	None	Final Approval, construction not started
Paddock View Estates Subdivision	Residential	9	Route 292	None	Final Approval, construction has started
Flex Building	Non-Residential	68,900 sq. ft. flex building suitable for professional, office, warehouse, light manufacturing, R&D	2160 Rt. 22 35.-5-31	Wildfire: Intermix; Karst: Long 6	Approved but not built
Fox Run Estates	Residential	Proposed 80 unit "Active Adult" residential community	215 Bullet Hole Rd. 34.-3-22	Wildfire: Intermix; Karst: Long 4	Pending Approval, Under Review
Ice Pond Estates	Residential	21 (24?) lot residential subdivision	272 - 372 Ice Pond Rd. 34.-5-9 & 12	Wildfire: Intermix; Karst: Long 5	Preliminary Approval received
Patterson Crossing	Non-Residential	382,560 sq. ft. retail center, with management and meeting space, a substation for the Putnam County Sheriff's Dept. and 28,000 sq. ft. garden center	NYS Rt. 311 & I-84 22.-2-47 & 48	Wildfire: Intermix; Karst: Long 3	Approved but not built

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

Source: June 2014 "Large Development Projects Report", Putnam County Department of Planning, Development and Transportation; as amended by municipality



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

Putnam 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 table below presents a summary of natural events that have occurred to indicate the range and impact of natural hazard events in the community. Information regarding specific damages is included if available based on reference material or local sources. For details of events prior to 2008, refer to Volume I, Section 5.0 of this plan.

**Table 9.7-2. Hazard Event History**

Dates of Event	Event Type	FEMA Declaration # (If Applicable)	County Designated?	Summary of Damages/Losses
September 16-18, 1999	Hurricane Floyd Major Disaster Declarations	DR-1296	Yes	Over \$1.9 million in property damage was seen county-wide. Power outages throughout the Town coupled with road closures were the predominate issues seen following Hurricane Floyd. Road issues were seen on the following roads: <ul style="list-style-type: none"> <li>- Lakeshore Drive at Valley Road: culvert washed out.</li> <li>- Fairfield Drive: damaged culvert headwall.</li> <li>- East Branch Road: flooded and closed.</li> <li>- Stagecoach Road: washed out.</li> <li>- Ice Pond Road: washed out.</li> </ul>
April 14-18, 2007	Severe Storms & Inland & Coastal Flooding	DR-1692	Yes	Power outages throughout the Town coupled with road closures were the predominate issues seen following the storm. People seeking shelter were housed at the Patterson Recreation Center. FEMA grants were sought out by the Highway Department for repairs to drainage infrastructure and road repair totaling \$188,350. Road issues were seen on the following roads: <ul style="list-style-type: none"> <li>- Shirley Drive: Road flooded.</li> <li>- Field Lane: Road flooding caused damage.</li> <li>- Andover Road- Pipe was replaced due to damage.</li> <li>- Cushman Road: Road had to be replaced due to damage.</li> <li>- Stagecoach Road: Road washed out.</li> <li>- Mooney Hill Road: Road eroded and pipe was replaced due to damage.</li> <li>- Old Route 22: Pipe had to be replaced due to damage.</li> <li>- Birch Hill Road: Road washed out.</li> <li>- Ulster Road: Pipe was replaced due to damage.</li> <li>- North Birch Hill road: Road washed out.</li> <li>- Kenton Road: Pipe was replaced due to damage.</li> <li>- Ice Pond Road: Road washed out.</li> <li>- South Quaker Hill Road: Half a lane was lost due to road being washed out.</li> </ul>
August 11, 2008	Lightning	N/A	N/A	Lightning struck and destroyed a barn in Milltown; approximately \$75 K in property damage.



Dates of Event	Event Type	FEMA Declaration # (If Applicable)	County Designated?	Summary of Damages/Losses
September 30, 2010	Strong Wind	N/A	N/A	Strong winds downed power lines and trees; power outages; approximately \$50 K in property damage
August 26 – September 5, 2011	Hurricane Irene	DR-4020	Yes	<p>People seeking shelter were housed at the Patterson Recreation Center. The parking lot of the Clough Nature Preserve was washed out. FEMA grants were sought out by the Highway Department for repairs to drainage infrastructure and road repair totaling \$76,999. Road issues were seen on the following roads:</p> <ul style="list-style-type: none"> <li>- Stagecoach Road: Road washed out.</li> <li>- Ice Pond Road: Road washed out.</li> <li>- Big Elm Road: Road and culverts were washed out.</li> <li>- Lakeshore Drive: Road, culvert, and shoulder were all washed out.</li> </ul>
October 27 – October 8, 2012	Hurricane Sandy	DR-4085	Yes	<p>Town-wide power outages lasted at minimum of 4 days; some areas were out for longer. Downed trees along roadways forced road closures throughout the Town. People seeking shelter were housed at the Patterson Recreation Center. The Town Highway Department salt storage shed lost shingles during the storm. FEMA grants were sought out for debris removal, emergency protective measures, and repairs for the Highway Department salt storage shed roof repairs totaling \$110,812.</p>

Notes:

- EM Emergency Declaration (FEMA)
- FEMA Federal Emergency Management Agency
- DR Major Disaster Declaration (FEMA)
- IA Individual Assistance
- N/A Not applicable
- PA Public Assistance



### 9.7.4 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 Town of Patterson. 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 Town of Patterson.

**Table 9.7-3. Hazard Risk/Vulnerability Risk Ranking**

Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard <sup>a, b, e</sup>	Probability of Occurrence <sup>c</sup>	Risk Ranking Score (Probability x Impact)	Hazard Ranking
Earthquake	100-Year GBS: \$0 500-Year GBS: \$571,753 2,500-Year GBS: \$10,824,733	Occasional	12	Low
Extreme Temperature	Damage estimate not available	Frequent	21	Medium
Flood	1% Annual Chance: \$60,741,456	Frequent	18	Medium
Landslide	RCV Exposed: \$1,820,971,547	Occasional	36	High
Severe Storm	100-Year MRP: \$2,365,016 500-year MRP: \$16,007,967 Annualized: \$161,518	Frequent	48	High
Severe Winter Storm	1% GBS: \$11,808,968 5% GBS: \$59,044,839	Frequent	51	High
Wildfire	Estimated Value in the WUI: \$1,751,408,212	Frequent	42	High

- a. Building damage ratio estimates based on FEMA 386-2 (August 2001)
  - b. The valuation of general building stock and loss estimates was based on the custom inventory developed for Putnam County and probabilistic modeling results and exposure analysis as discussed in Section 5.
  - c. 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 within the Town boundary.
  - d. Frequent = Hazard event is likely to occur within 25 years.  
Occasional = Hazard event is likely to occur within 100 years  
Rare = Hazard event is not likely to occur within 100 years
  - e. The estimated potential losses for Severe Storm are from the HAZUS-MH probabilistic hurricane wind model results. See footnote c.
- GBS = General building stock  
MRP = Mean return period  
RCV = Replacement cost value

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

The following table summarizes the NFIP statistics for the municipality.

**Table 9.7-4. 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)
Town of Patterson	37	7	\$133,664.53	0	0	15

- Source: FEMA, 2014
- Note (1) Policies, claims, repetitive loss and severe repetitive loss statistics provided by FEMA and are current as of February 28, 2014 and are summarized by Community Name. Please note the total number of repetitive loss properties excludes the severe repetitive loss properties. The number of claims represents claims closed by 2/28/2014.
- Note (2) Total building and content losses from the claims file provided by FEMA Region 2.
- Note (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.





### 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 9.7-5. 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 <sup>(2)</sup>
Brimstone Road	Highway Bridge	X	X			
CORNWALL HILL ESTATES DAM	Dam	X	X			
Dorsett Hollow Water Treatment Plant	Potable Water	—	X			
FRONT STREET PUMP STATION	Wastewater	—	X			
LOST LAKE DAM & DIKE	Dam	X	X			
NYS Route 164	Rail Bridge	X	X			
Patterson Automotive	Commercial	—	X			
Patterson Automotive	Natural Gas	—	X			
PUTNAM LAKE DAM	Dam	X	X			
RIHM & KITTEL DAM	Dam	X	X			
Route 22 Bridge	Highway Bridge	X	X			
Route 311 Bridge	Highway Bridge	X	X			

Source: HAZUS-MH 2.1

Note: x = Facility located within the 0.2-percent annual chance flood boundary.

Please note it is assumed that wells have electrical equipment and openings are three-feet above grade.

- (1) HAZUS-MH 2.1 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).
- (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.

### Other Vulnerabilities Identified by Municipality

According to the 2013 FEMA Flood Insurance Study (FIS) for Putnam County, in the Town of Patterson, open areas along the East Branch Croton River, particularly in the vicinity of the confluence of Muddy Brook, is subject to flooding. Flooding of Route 292 by Muddy Brook Tributary 1 is also prone to flooding (FEMA FIS 2013).

In addition to those identified above, the municipality has identified the following vulnerabilities:

- Improvements to Putnam Lake Dam - Prevention of dam breach resulting from large storm event and compounded by deficiency in dam design
- Emergency Bypass Road - NYS Route 311 provides the main route between the fire/ambulance service and western areas of the Town. The route is bisected by the Metro North railroad line. Should an incident occur which obstructs the Route 311 crossing, the alternate route is approximately 8 miles or 18 minutes.
- Fire Fighting Water Supply - Deficiency in the quantity of water needed within a reasonable distance that may be used to fight a structure fire, or forest fire.



- Mobile Emergency Supplies Unit - Providing adequate supplies to people in need after a disaster has occurred.
- Emergency Response Training - Lack of trained and experienced individuals responding to a disaster.
- Stagecoach Road/ Birch Hill Road from washouts due to excessive rain.
- Lakeshore Drive near Valley Road from washout due to excessive rain.
- East Branch Road at Haviland Hollow Road from flooding.
- Private property at 325 Route 292 from flooding.
- Fairfield Drive damage from flooding to headwall of culvert crossing.
- 1112 Route 311 damage from fire due to lightning.
- Haviland Hollow Road from flooding.



### 9.7.5 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 municipality.

**Table 9.7-6. Planning and Regulatory Tools**

Tool / Program (code, ordinance, plan)	Do you have this? (Y/N)	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, date of adoption, name of plan, explanation of authority, etc.)
Building Code	Yes	Local/state	Building Department	Town Code, Ch. 64 initially adopted 3/10/1993; readopted 5/23/2007. NYS Building and Fire Prevention Code.
Zoning Ordinance	Yes	Local/state	Building Dept./Planning Dept.	Town Code, Ch. 154 6/12/1942; readopted 4/13/2005
Subdivision Ordinance	Yes	Local/state	Planning Board/Planning Dept.	Town Code, Ch.138 readopted 4/13/2005
Site Plan Review Requirements	Yes	Local/state	Planning Board/Planning Dept.	Town Code, Ch. 154 6/12/1942; readopted 4/13/2005
National Flood Insurance Program (NFIP) Flood Damage Protection Ordinance (FDPO)	Yes	Federal, State, Local	Planning Department	Town Code, Ch. 91, adopted 8/26/1987, readopted 2/13/2013  Other regulations supporting the FDPO are the Town’s Wetlands/Watercourse regulations found in the Zoning Code at Sec. 154-18
NFIP - Freeboard	No	State, Local		Town Code, Ch. 91, adopted 8/26/1987, readopted 2/13/2013  State mandated BFE+2 for single and two-family residential construction, BFE+1 for all other construction types.
NFIP - Cumulative Substantial Damages	No	Local		
Comprehensive Plan / Master Plan	Yes	Local	Town Board	Adopted 12/13/2000
Capital Improvements Plan	No			
Stormwater Management Plan/Ordinance	Yes	Local	Planning Dept.	Town Code, Ch. 133, Adopted 4/13/2005
Floodplain Management / Basin Plan	No			
Open Space or Greenway Plan	Yes	Local	Town Board	Contained within Master Plan
Emergency Management and/or Response Plan	Yes	Local	Town Board	Emergency Action Plan last revised 9/1/2011 Putnam Lake EAP last revised 8/19/2012
Economic Development Plan	No			



Tool / Program (code, ordinance, plan)	Do you have this? (Y/N)	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, date of adoption, name of plan, explanation of authority, etc.)
Post Disaster Recovery Plan and/or Ordinance	No			
Growth Management	No			
Real Estate Disclosure req.	Yes			NYS mandate.
Habitat Conservation Plan	No			
Special Purpose Ordinances (e.g. wetlands, critical or sensitive areas)	Yes	Local	Planning Board/Environmental Conservation Inspector	Wetland/watercourse permit requirements contained within Ch. 154, Zoning. Regulated area includes a 100' buffer.

(1) NYS Subdivision laws provide a general framework, but allow room for local ordinances and interpretation.

### Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Town of Patterson.

**Table 9.7-7. Administrative and Technical Capabilities**

Staff/ Personnel Resources	Available (Y or N)	Department/ Agency/Position
Planner(s) or Engineer(s) with knowledge of land development and land management practices	Yes	Planning Department
Engineer(s) or Professional(s) trained in construction practices related to buildings and/or infrastructure	Yes	Consulting Engineer
Planners or engineers with an understanding of natural hazards	Yes	Planning Department
NFIP Floodplain Administrator	Yes	Planning Department
Surveyor(s)	No	
Personnel skilled or trained in “GIS” applications	Yes	Planning Department
Scientist familiar with natural hazards in the County.	No	
Emergency Manager	No	
Grant Writer(s)	Yes	Planning Department
Staff with expertise or training in benefit/cost analysis	No	

### Fiscal Capability

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

**Table 9.7-8. Fiscal Capabilities**

Financial Resources	Accessible or Eligible to Use (Yes/No/Don't Know)
Community Development Block Grants (CDBG)	No
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	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



Financial Resources	Accessible or Eligible to Use (Yes/No/Don't Know)
Mitigation grant programs	Yes
Other	

### Community Classifications

The table below summarizes classifications for community program available to the Town of Patterson.

**Table 9.7-9. Community Classifications**

Program	Classification	Date Classified
Community Rating System (CRS)	NP	N/A
Building Code Effectiveness Grading Schedule (BCEGS)	TBD	
Public Protection	TBD	
Storm Ready	NP	N/A
Firewise	NP	N/A

*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/>

### National Flood Insurance Program

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

**NFIP Floodplain Administrator:** Richard Williams Sr., Town Planner

### Program and Compliance History

Town of Patterson joined the NFIP in 1987, and is currently an active member of the NFIP. The current effective Flood Insurance Rate Maps are dated March 4, 2013.

As of July 31, 2014 there are 35 policies in force, insuring \$9.4 million of property with total annual insurance premiums of \$31,711.



The community is currently in good standing in the NFIP and has no outstanding compliance issues. 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.

### **Loss History and Mitigation**

Since 1978, 7 claims have been paid totaling \$133,664. As of April, 2014 there are no Repetitive Loss or Severe Repetitive Loss properties in the community.

An assessment of post-Hurricane Sandy damage revealed there were no structures damaged. The NFIP Floodplain Administrator does not make Substantial Damage estimates. There are no property owners interested in mitigation.

### **Planning and Regulatory Capabilities**

The community's Flood Damage Prevention Ordinance (FDPO) was last updated on February 13, 2013, and is found at Chapter 91 of the local code.

Floodplain management regulations and ordinances meet the minimum requirements set forth by both FEMA and New York State. There are other ordinances within the Town supporting the implementation of the Flood Damage Prevention Ordinance.

### **Administrative and Technical Capabilities**

The community FDPO identifies the Town Planner as the local NFIP Floodplain Administrator, currently Richard Williams Sr., for which floodplain administration is an auxiliary duty.

The NFIP Floodplain Administrator has primary responsibility in this role. Utilizing both the Town Engineer and the Environmental Conservation Inspector to assist is possible if necessary. Any development in a floodplain or deviation from the standards requires approval from the Patterson Zoning Board of Appeals.

Duties and responsibilities of the NFIP Administrator are permit review, record keeping, inspections, and GIS.

An assessment of post-Hurricane Sandy damage revealed there were no structures damaged. The NFIP Floodplain Administrator does not make Substantial Damage estimates. There are no property owners interested in mitigation. The Town does not maintain a record of properties that have been flood damaged or the interest of property owners in completing mitigation projects.

Richard Williams Sr. feels he is adequately supported and trained to fulfill his responsibilities as the municipal floodplain administrator. Richard Williams Sr. is not certified in floodplain management, however attends regular continuing education programs for code enforcement and other matters pertinent to his role.

### **Public Education and Outreach**

The Town of Patterson does not currently have a formal education and outreach program in place for floodplain management. Duties and responsibilities of the NFIP Administrator are permit review, record keeping, inspections, and GIS.

### **Actions to Strengthen the Program**

Richard Williams Sr. did not identify any barriers to running an effective floodplain management program in the Town of Patterson. Pursuing additional training and education on matters regarding floodplain management and the Community Rating System (CRS) would be of interest to Richard Williams Sr. Though the Town of Patterson does not currently participate in the CRS program, after receiving information on the program the Town would consider joining.



### **Community Rating System**

The Town does not participate in the Community Rating System (CRS) program.

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

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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 have been/will be incorporated into municipal procedures which may include former mitigation initiatives that have become continuous/on-going programs and may be considered mitigation 'capabilities'.

**Floodplain Management:** The Town's NFIP FPA intends to work with the Town to receive additional floodplain management training, and would attend a CRS workshop if offered locally.

**Building Local Mitigation Capabilities:** The Town has included an initiative within the proposed mitigation strategy to support and participate in county-led initiatives intended to build local and regional mitigation and risk-reduction capabilities.

**Capital Improvements:** As evidenced by the various capital improvement projects identified on the following page, the Town considers natural hazard mitigation whenever performing repairs and upgrades to local infrastructure. The Town will continue to consider and include selected projects that include mitigation benefits into their capital improvements planning process.



## 9.7.6 Mitigation Strategy and Prioritization

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

### Past Mitigation Activity

The municipality identifies the following mitigation projects and/or initiatives have been completed in the past:

- Patterson Town Code, Chapter 91, Flood Damage Prevention.
- Reconstruction of drainage system along Stagecoach Road/Birch Hill Road.
- Replacement of Lakeshore Drive culvert.
- Replacement of bridge at 325 Route 292
- The following locations in the Town were damaged, as indicated, and repaired in a manner to prevent similar damage from occurring
  - Stagecoach Road/ Birch Hill Road from washouts due to excessive rain.
  - Lakeshore Drive near Valley Road from washout due to excessive rain.
  - East Branch Road at Haviland Hollow Road from flooding.
  - Private property at 325 Route 292 from flooding.
  - Fairfield Drive damage from flooding to headwall of culvert crossing.
  - 1112 Route 311 damaged from fire due to lightning.
  - Haviland Hollow Road from flooding.

### Proposed Hazard Mitigation Initiatives for the Plan

The Town of Patterson identified mitigation initiatives they would like to pursue in the future. 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. Table 9.7-11 identifies the municipality's updated local mitigation strategy.

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 actions as 'High', 'Medium', or 'Low.' The table below summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.7-12 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan.



**Table 9.7-10. Proposed Hazard Mitigation Initiatives**

Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals / Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category
PAT-1	Improvements to Putnam Lake Dam	Structural improvements to dam to address deficiencies in design and rehabilitation of the dam, increasing the safety of the structure. See Action Worksheet.									
		Existing	Flood, Severe Storm, Climate Change	G-1, G-2	Town of Patterson – Engineering, DPW	Avoided losses include the breach of a downstream dam, several residential homes and a special needs school.	High (~\$180,000)	HMGP; local budget for Match.	Short	High	SIP
PAT-2	Emergency Bypass Road	Construction of Bypass Road from Route 311 to West Street to the south to provide emergency bypass to NYS Route 311 should Route 311 / MetroNorth railroad crossing become obstructed. See Action Worksheet.									
		N/A (future infrastructure)	All Hazards	G-1, G-5, G-6	Town of Patterson – Engineering, DPW	Minimizes or prevents damage to structures and loss of life by increase the ability of emergency services to respond more quickly.	Medium	Grants with local match	Short	Medium	SIP
PAT-3	Fire Fighting Water Supply	Installation of dry hydrants into lakes and streams and underground storage tanks. See Action Worksheet.									
		Both	Wildfire, Structural Fire, Climate	G-1, G-2, G-5	Town of Patterson	Improved response time. Reduces the	High	Grant funding with local share	Short	High	SIP





Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals / Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category
			Change			damage caused to structures and natural areas by minimizing the duration and extent of a fire					
PAT-4	Mobile Emergency Supplies Unit	Maintain a mobile emergency trailer containing basic supplies needed post-disaster. See Action Worksheet.									
		N/A	All Hazards requiring emergency medical response	G-1, G-5, G-6	Town OEM Coordinator	High – Life Safety	High	Grant funding with local share	Short	Medium	EM*
PAT-5	Emergency Response Training	The Town will provide training to employees in order that they may better respond to a natural disaster. See Action Worksheet.									
		N/A	All Hazards	G-1, G-5, G-6	Town OEM Coordinator	High – Life Safety	Medium	Grant funding with local share	Short	Medium	EAP
PAT-6	Support and participate in county led initiatives intended to build local and regional mitigation and risk-reduction capabilities (see Section 9.1), specifically: <ul style="list-style-type: none"> <li>• Re-Establish Local Emergency Planning Committees (LEPCs) within the County, with an emphasis on stronger municipal level participation. (PCBES-1).</li> <li>• Workshops and Seminars to build local capabilities in floodplain management and disaster recovery (PCBES-11), potentially to include:               <ul style="list-style-type: none"> <li>○ NFIP Community Rating System (CRS)</li> <li>○ Benefit-Cost Analysis (BCA)</li> <li>○ Substantial Damage Estimating (SDE)</li> <li>○ NFIP Elevation Certificates (EC)</li> <li>○ Certified Floodplain Manager (CFM) Training and Certification</li> </ul> </li> <li>• County-Wide Housing Location/Relocation Planning Initiative for Disaster Displaced Residents and Structures (PCBES-12)</li> </ul>										
	See above	New and Existing	All Hazards	All Objectives	Putnam County, as supported by relevant local department leads,	High (comprehensive improvement)	Low-Medium (locally)	Local (staff resources)	Short	High	LPR, EAP





Initiative	Mitigation Initiative	Applies to New and/or Existing Structures*	Hazard(s) Mitigated	Goals / Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category
						ts mitigation and risk-reduction capabilities)					
PAT-7	<p>The Town will evaluate the following identified vulnerabilities, and as appropriate, evaluate possible mitigation solutions and implement appropriate and cost-effective projects as funding is secured or appropriated:</p> <ul style="list-style-type: none"> <li>• Stagecoach Road/ Birch Hill Road from washouts due to excessive rain.</li> <li>• Lakeshore Drive near Valley Road from washout due to excessive rain.</li> <li>• East Branch Road at Haviland Hollow Road from flooding.</li> <li>• Private property at 325 Route 292 from flooding.</li> <li>• Fairfield Drive damage from flooding to headwall of culvert crossing.</li> <li>• 1112 Route 311 damage from fire due to lightning.</li> <li>• Haviland Hollow Road from flooding.</li> </ul>										
	See above.	New and Existing	All Hazards	All Objectives	Town of Patterson – Engineering, DPW	High – Reduced vulnerability of infrastructure to natural hazard damage; potential life safety	Medium – High – Evaluation/studies of vulnerabilities to identify appropriate mitigation actions; High – project implementation	Evaluations/Studies – Town Budget; Project Implementation – Dependent on identified action (grant funding, local budget, etc.)	Evaluation – Short Term; Studies – Short to long term; Project Implementation – Long Term	High (Evaluation)	LPR, SIP

*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.

EM\* = Emergency Management activity supporting Preparedness or Response

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  
 NYCDEP New York City Department of Environmental Protection  
 NYSDEC New York State Department of Environmental Conservation  
 NYS DHSES New York State Department of Homeland Security and Emergency Services  
 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  
 SRL Severe Repetitive Loss Grant Program

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.  
 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:

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.  
 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





Table 9.7-11. 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
PAT-1	Improvements to Putnam Lake Dam	1	1	1	1	1	1	0	1	0	1	1	1	1	1	12	High
PAT-2	Emergency Bypass Road	0	1	1	1	1	1	0	1	0	1	0	1	1	1	10	Medium
PAT-3	Fire Fighting Water Supply	1	1	1	1	1	1	0	1	1	1	0	1	1	0	11	High
PAT-4	Mobile Emergency Supplies Unit	1	0	1	1	1	1	0	0	1	0	1	1	0	0	8	Medium
PAT-5	Emergency Response Training	1	0	1	1	1	1	0	0	1	0	1	1	0	0	8	Medium
PAT-6	Support and participate in county led initiatives intended to build local and regional mitigation	1	1	1	1	1	1	0 (will require municipality to support staff time)	1	1	0 (will require municipality to support staff time)	1	1	1	1	12	High
PAT-7	Evaluate, study and implement selected mitigation actions for vulnerable areas within Town – Prioritization ratings only considering the evaluation of vulnerable areas for further study	1	1	1 (for evaluation)	1	1	1	1	1	0 (benefits limited to certain areas)	1	1	1 (for evaluation)	1	1	13	High

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



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

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None at this time.

### **9.7.8 Hazard Area Extent and Location**

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Hazard area extent and location maps have been generated for the Town of Patterson 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 Town of Patterson has significant exposure. These maps are illustrated below.

### **9.7.9 Additional Comments**

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None at this time.



Figure 9.7-1. Town of Patterson Hazard Area Extent and Location Map

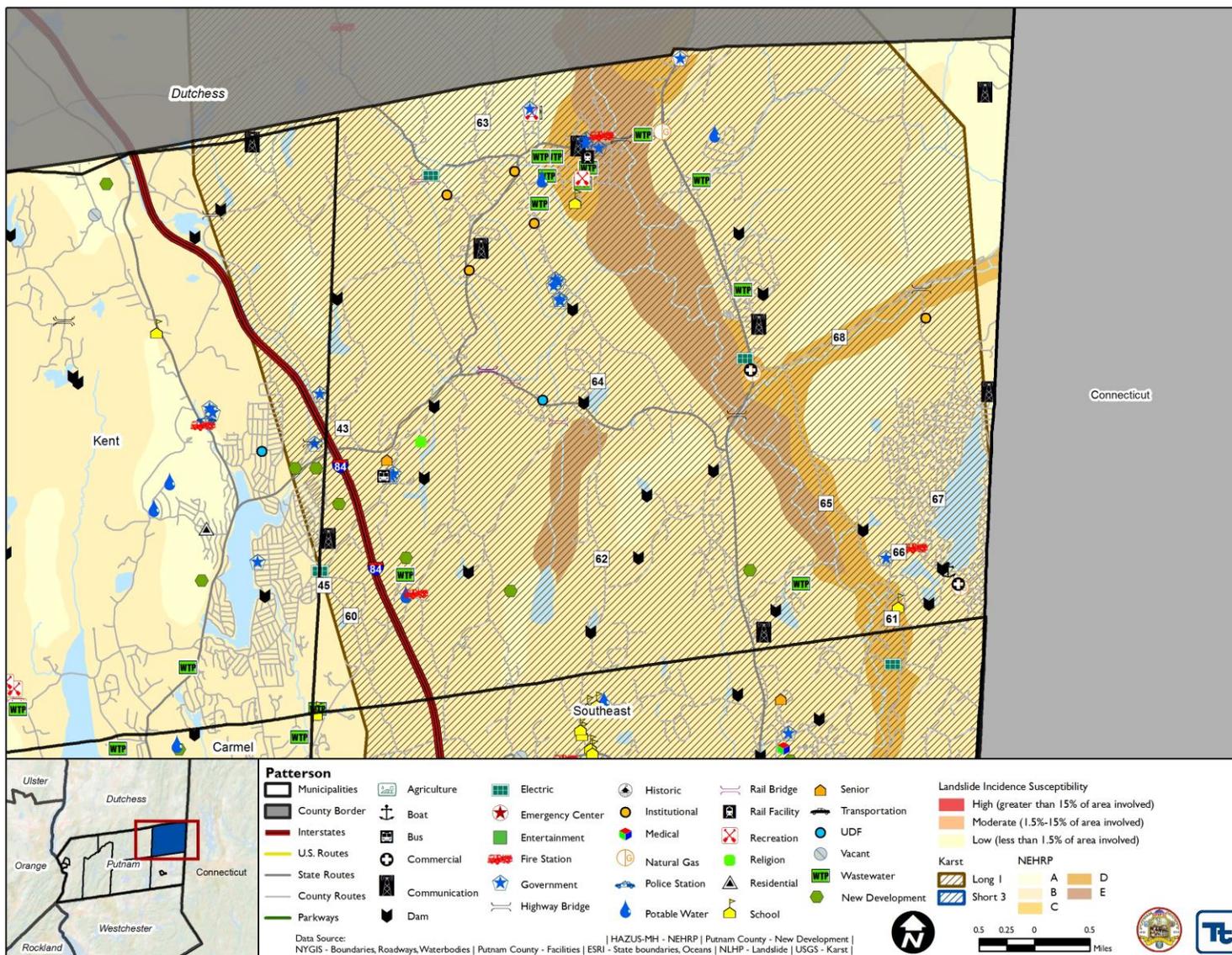
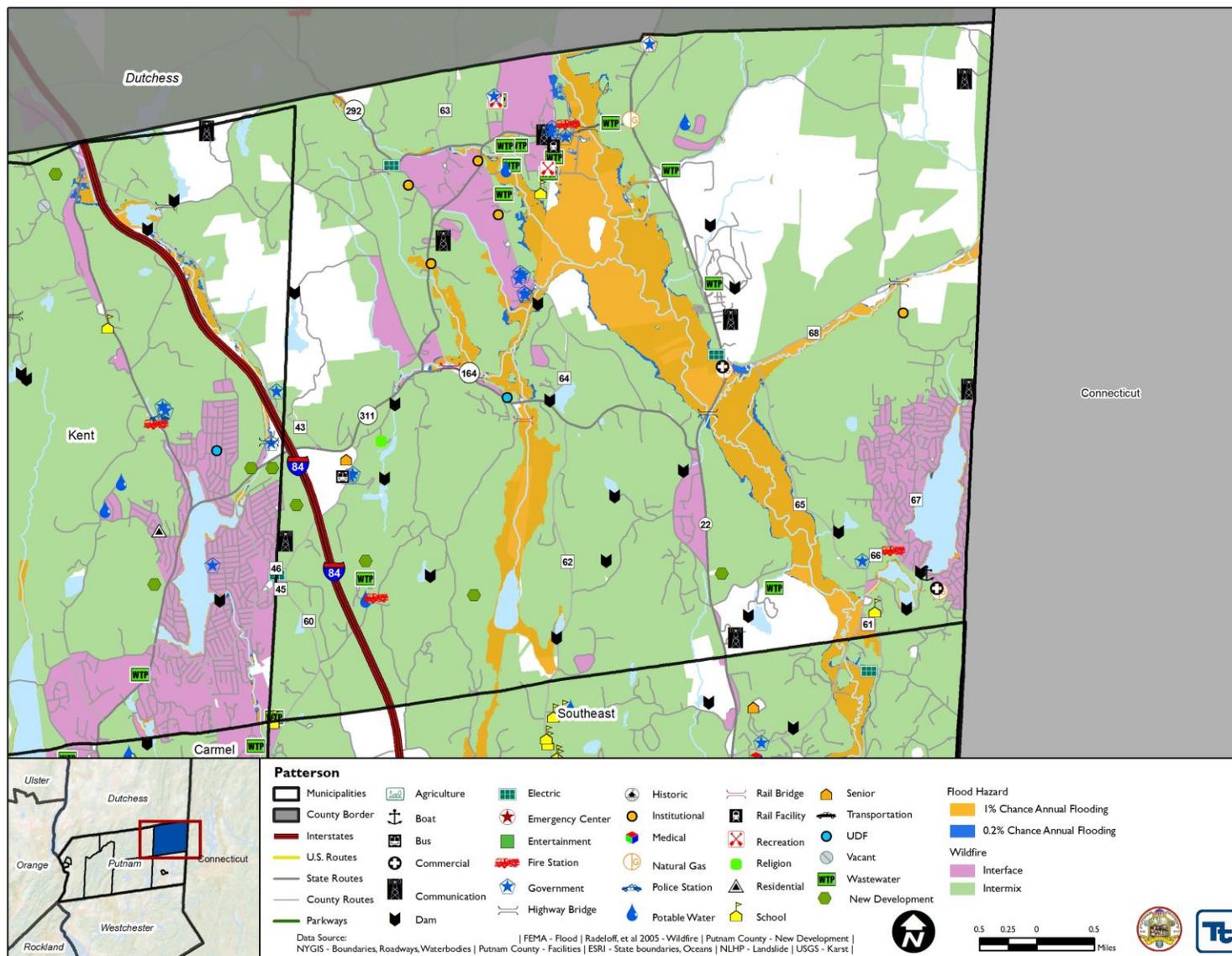




Figure 9.7-2. Town of Patterson Hazard Area Extent and Location Map





<b>Name of Jurisdiction:</b>	Town of Patterson
<b>Action Number:</b>	PAT-1 (also LOI #4)
<b>Action Name:</b>	Improvements to Putnam Lake Dam

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Flood
<b>Specific problem being mitigated:</b>	Putnam Lake is a 225 acre man-made lake impounded by an earthen dam constructed in the 1930's. Water leaves the lake by a sluiceway valve and a concrete/stone spillway. Very little maintenance has been performed to the sluiceway valve, and the dam has other design deficiencies. The spillway for the dam does not pass the ½ probable maximum flood event. This condition may result in overtopping of the dam by 1 to 1.5 feet and breach of the dam. Downstream vulnerabilities include several residences and a special needs school.
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. Accept current level of risk.</li> <li>2.</li> <li>3.</li> </ol>
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Structural improvements to dam to address deficiencies in design and rehabilitation of the dam, increasing the safety of the structure. Specifically, rehabilitation activities would include armouring the face of the dam with rip rap to arrest wave erosion; providing for an emergency spillway; and upgrading to the sluiceway valve.
<b>Mitigation Action/Project Type</b>	Structure and Infrastructure Project (SIP)
<b>Goals/Objectives Met</b>	G-1, G-2 Enhance the safety of the Putnam Lake Dam, and reduce the risk of a dam breach.
<b>Applies to existing structures/infrastructure, future, or not applicable</b>	Existing
<b>Benefits (losses avoided)</b>	Prevention of dam breach resulting from large storm event and compounded by deficiency in dam design. Avoided losses include the breach of a downstream dam, several residential homes and a special needs school.
<b>Estimated Cost</b>	High (~\$180,000)
<b>Priority*</b>	High
Plan for Implementation	
<b>Responsible Organization</b>	Town of Patterson
<b>Local Planning Mechanism</b>	Dam Emergency Action Plans, Emergency Management Plans, Capital Plans/Budgets
<b>Potential Funding Sources</b>	HMGP; local budget for Match. The Town applied under NY Rising (Sandy) HMGP, LOI #4.
<b>Timeline for Completion</b>	Short
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:

\* Refer to results of Prioritization



**Action Number:** PAT-1 (also LOI #4)  
**Action Name:** Improvements to Putnam Lake Dam

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Potential for loss of life, especially with school age children located at the Green Chimneys School.
Property Protection	1	Potential for loss of six to twelve structures
Cost-Effectiveness	1	Cost-effective means to reduce the potential for a dam breach.
Technical	1	Project is technically feasible and a long-term solution
Political	1	Political support for the project exists
Legal	1	The Town has the legal right to make improvements to the dam
Fiscal	0	The project cannot be funded under the current budget.
Environmental	1	The project will comply with local and State environmental regulations.
Social	0	The proposed action will not adversely affect one segment of the population.
Administrative	1	Jurisdiction has personnel and administrative capabilities to implement action.
Multi-Hazard	1	Reduces the impact large storm events and flooding
Timeline	1	The project can be completed in less than 5 years.
Agency Champion	1	The Putnam Lake Park Advisory Board and community will be a strong advocate for the project.
Other Community Objectives	1	The proposed action will advance capital improvements needed by the Town.
<b>Total</b>	12	
<b>Priority (High/Med/Low)</b>	High	



Name of Jurisdiction: Town of Patterson  
 Action Number: PAT-2  
 Action Name: Emergency Bypass Road

Assessing the Risk	
<b>Hazard(s) addressed:</b>	All Hazards
<b>Specific problem being mitigated:</b>	NYS Route 311 provides the main route between the fire/ambulance service and western areas of the Town. The route is bisected by the Metro North railroad line. Should an incident occur which obstructs the Route 311 crossing, the alternate route is approximately 8 miles or 18 minutes.
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. New bypass road connecting Route 311 to West Street to the south</li> <li>2. New bypass road from Route 311 to the north. Requires extensive State wetland disturbance.</li> <li>3.</li> </ol>
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Construction of Bypass Road from Route 311 to West Street to the south.
<b>Mitigation Action/Project Type</b>	Structure and Infrastructure Project (SIP)
<b>Objectives Met</b>	Provide emergency bypass to NYS Route 311 should Route 311/MetroNorth railroad crossing become obstructed.
<b>Applies to existing structures/infrastructure, future, or not applicable</b>	Future
<b>Benefits (losses avoided)</b>	Minimizes or prevents damage to structures and loss of life by increase the ability of emergency services to respond more quickly.
<b>Estimated Cost</b>	Medium
<b>Priority*</b>	Medium
Plan for Implementation	
<b>Responsible Organization</b>	Town of Patterson
<b>Local Planning Mechanism</b>	N/A
<b>Potential Funding Sources</b>	Grants with local match
<b>Timeline for Completion</b>	Short
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:

\* Refer to results of Prioritization



Action Number:

PAT-2

Action Name:

Emergency Bypass Road

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	0	The proposed action will reduce the response time for ambulances and fire-fighting equipment.
Property Protection	1	The proposed action will reduce the response time for ambulances and fire-fighting equipment.
Cost-Effectiveness	1	Cost-effective means to provide an alternate by-pass route. Other by-pass routes are much more costly to develop, due to the environmentally constrained land they must pass through.
Technical	1	Project is technically feasible and a long-term solution
Political	1	Political support for the project exists
Legal	1	The Town can obtain the legal right to make the improvements.
Fiscal	0	The project cannot be funded under the current budget.
Environmental	1	The project will comply with local and State environmental regulations.
Social	0	The proposed action will not adversely affect one segment of the population.
Administrative	1	Jurisdiction has personnel and administrative capabilities to implement action.
Multi-Hazard	0	The action will not mitigate multiple hazards.
Timeline	1	The project can be completed in less than 5 years.
Agency Champion	1	The Patterson Fire Department will be a strong advocate for the project.
Other Community Objectives	1	The proposed action will advance capital improvements needed by the Town.
<b>Total</b>	10	
<b>Priority (High/Med/Low)</b>	Medium	



Name of Jurisdiction: Town of Patterson  
 Action Number: PAT-3  
 Action Name: Fire Fighting Water Supply

Assessing the Risk	
<b>Hazard(s) addressed:</b>	Wildfire, Structural Fire
<b>Specific problem being mitigated:</b>	Deficiency in the quantity of water needed within a reasonable distance that may be used to fight a structure fire, or forest fire.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	1. Installation of dry hydrants into existing lakes and streams. Limited to location of water source which may not meet required distance. 2. Installation of dry hydrants into underground storage tanks. Storage tank has limited volume of water which may be used. 3. Provide additional tanker trucks to fire departments. Requires additional volunteers be available to operate tankers at a time which volunteer fire departments are finding it difficult to recruit new members.
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	Installation of dry hydrants into lakes and streams and underground storage tanks.
<b>Mitigation Action/Project Type</b>	Structure and Infrastructure project (SIP)
<b>Goals/Objectives Met</b>	G-1, G-2, G-5
<b>Applies to existing structures/infrastructure, future, or not applicable</b>	Both
<b>Benefits (losses avoided)</b>	Improved response time. Reduces the damage caused to structures and natural areas by minimizing the duration and extent of a fire.
<b>Estimated Cost</b>	High
<b>Priority*</b>	Tier I
Plan for Implementation	
<b>Responsible Organization</b>	Town of Patterson
<b>Local Planning Mechanism</b>	n/a
<b>Potential Funding Sources</b>	Grant funding with local share
<b>Timeline for Completion</b>	Short
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:

\* Refer to results of Prioritization



Action Number:

PAT-3

Action Name:

Fire Fighting Water Supply

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Having an adequate source of water can dramatically reduce the potential for loss of life.
Property Protection	1	Having an adequate source of water can dramatically reduce the potential for loss of structures
Cost-Effectiveness	1	Cost-effective means to reduce the requirements for sources of water. Alternate is a pressurized Town-wide water supply.
Technical	1	Project is technically feasible and a long-term solution
Political	1	Political support for the project exists
Legal	1	The Town has the legal right to make the necessary improvements.
Fiscal	0	The project cannot be funded under the current budget.
Environmental	1	The project will comply with local and State environmental regulations.
Social	1	The proposed action will not adversely affect one segment of the population.
Administrative	1	Jurisdiction has personnel and administrative capabilities to implement action.
Multi-Hazard	0	The project will not address multiple hazards.
Timeline	1	The project can be completed in less than 5 years.
Agency Champion	1	The Patterson and Putnam Lake Fire Departments will be a strong advocate for the project.
Other Community Objectives	0	The proposed action will advance capital improvements needed by the Town.
<b>Total</b>	11	
<b>Priority (High/Med/Low)</b>	High	



Name of Jurisdiction: Town of Patterson  
 Action Number: PAT-4  
 Action Name: Mobile Emergency Supplies Unit

Assessing the Risk	
<b>Hazard(s) addressed:</b>	All Hazards requiring emergency medical response
<b>Specific problem being mitigated:</b>	Providing adequate supplies to people in need after a disaster has occurred.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	1. Maintain a mobile emergency trailer containing basic supplies needed post-disaster. 2. 3.
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	The Town will maintain a trailer containing basic necessities such as water, cots, blankets, basic medical supplies and other necessities that may be needed after a disaster. The trailer can be transported to a specific location where the supplies may be most needed.
<b>Mitigation Action/Project Type</b>	Emergency Management activity supporting Preparedness or Response
<b>Goals/Objectives Met</b>	G-1, G-5, G-6 Provide basic necessities to displaced individuals.
<b>Applies to existing structures/infrastructure, future, or not applicable</b>	N/A
<b>Benefits (losses avoided)</b>	High – Life Safety. Minimize the impact caused by displacement of individuals.
<b>Estimated Cost</b>	High
<b>Priority*</b>	Medium
Plan for Implementation	
<b>Responsible Organization</b>	Town of Patterson
<b>Local Planning Mechanism</b>	n/a
<b>Potential Funding Sources</b>	Grant funding with local share
<b>Timeline for Completion</b>	Short
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:

\* Refer to results of Prioritization



Action Number:

PAT-4

Action Name:

Mobile Emergency Supplies Unit

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Having an adequate of supplies readily available will minimize the impact on displaced families.
Property Protection	0	
Cost-Effectiveness	1	Cost-effective means to ensure that supplies are readily available.
Technical	1	
Political	1	
Legal	1	
Fiscal	0	The project cannot be funded under the current budget.
Environmental	0	The project will comply with local and State environmental regulations.
Social	1	The proposed action will not adversely affect one segment of the population.
Administrative	0	Jurisdiction has personnel and administrative capabilities to implement action.
Multi-Hazard	1	The project will address multiple hazards.
Timeline	1	The project can be completed in less than 5 years.
Agency Champion	0	
Other Community Objectives	0	The proposed action will advance capital improvements needed by the Town.
<b>Total</b>	8	
<b>Priority (High/Med/Low)</b>	Medium	



Name of Jurisdiction: Town of Patterson  
 Action Number: PAT-5  
 Action Name: Emergency Response Training

Assessing the Risk	
<b>Hazard(s) addressed:</b>	All Hazards
<b>Specific problem being mitigated:</b>	Lack of trained and experienced individuals responding to a disaster.
Evaluation of Potential Actions/Projects	
<b>Actions/Projects Considered (name of project and reason for not selecting):</b>	2. Providing training to Town staff for responding to disasters.
	2.
	3.
Action/Project Intended for Implementation	
<b>Description of Selected Action/Project</b>	The Town will provide training to employees in order that they may better respond to a natural disaster.
<b>Mitigation Action/Project Type</b>	Education and Awareness Programs
<b>Goals/Objectives Met</b>	G-1, G-5, G-6 Provide basic training to individuals so that they may better respond to local emergencies and disasters.
<b>Applies to existing structures/infrastructure, future, or not applicable</b>	N/A
<b>Benefits (losses avoided)</b>	Improved response post disaster.
<b>Estimated Cost</b>	Medium
<b>Priority*</b>	Tier II
Plan for Implementation	
<b>Responsible Organization</b>	Town of Patterson
<b>Local Planning Mechanism</b>	n/a
<b>Potential Funding Sources</b>	Grant funding with local share
<b>Timeline for Completion</b>	Short
Reporting on Progress	
<b>Date of Status Report/ Report of Progress</b>	Date: Progress on Action/Project:

\* Refer to results of Prioritization



Action Number:

PAT-5

Action Name:

Emergency Response Training

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Having properly trained individual to respond to a post disaster relief effort.
Property Protection	0	
Cost-Effectiveness	1	Cost-effective means to ensure that supplies are readily available.
Technical	1	
Political	1	
Legal	1	
Fiscal	0	The project cannot be funded under the current budget.
Environmental	0	The project will comply with local and State environmental regulations.
Social	1	The proposed action will not adversely affect one segment of the population.
Administrative	0	Jurisdiction has personnel and administrative capabilities to implement action.
Multi-Hazard	1	The project will address multiple hazards.
Timeline	1	The project can be completed in less than 5 years.
Agency Champion	0	
Other Community Objectives	0	
<b>Total</b>	<b>8</b>	
<b>Priority (High/Med/Low)</b>	<b>Medium</b>	