



9.14 Township of Evesham

This section presents the jurisdictional annex for the Township of Evesham.

9.14.1 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
Chief Byran Ward, Fire Chief / OEM Coordinator 984 Tuckerton Road, Marlton, NJ 08053 856.983.2210 bward@eveshamfire.org	Nancy Jamanow, Community Development Director 984 Tuckerton Road, Marlton, NJ 08053 856.983.2900 jamanown@evesham-nj.gov

9.14.2 Municipal Profile

The Township of Evesham was officially established in 1688, covering present day Mount Laurel, Medford and parts of Hainsport, Lumberton, and Shamong. By 1871 the above townships became separate entities and Evesham took its present borders.

The Village of Marlton was established in 1758, although then known as Evesham. The name Marlton, named for the fertilizer marl that was mined at several sites to the north and west of Marlton beginning in 1806, came into use in 1845. Evesham's Post Office was established in 1808 at what was to become Marlton. The Evesham Post Office was officially renamed Marlton Post Office in 1845 with the renaming of the Village. Marlton continues today as Evesham's Post Office. Marlton is commonly associated and interchangeable with the name Evesham.

The Township is organized under the Optional Municipal Charter Law the Council-Manager plan form of municipal government. The government consists of a Mayor and a four-member Township Council with all positions elected at-large in elections held every other year. The Mayor is elected directly by the voters. Members are elected in partisan elections to serve four-year terms of office on a staggered basis, with two council seats up for vote in even years as part of the November general election.

Evesham Township is located on the western border of Burlington County. The Township is bordered by Mount Laurel to the north and Medford to the east. In addition, Evesham Township is bordered by the Camden County municipalities of Waterford to the south, Berlin to the southwest, Voorhees to the west, and Cherry Hill to the northwest. Evesham has a total area of 29.7 square miles, of which 29.3 square miles is land and 0.4 square miles is water. There are several unincorporated communities found within the Township: Berlin Heights, Cambridge, Cropwell, Crowfoot, Donlontown, Elmwood Road, Evans Corner, Evesboro, Gibbs Mill, Marlton, Milford, Pine Grove, and Tomlinsons Mill. According to the 2010 Census, the community's population was 45,538.

Evesham Township contains lands within the Pinelands which is managed by the Pinelands Comprehensive Management Plan. The plan establishes nine land use management areas with goals, objectives, development intensities and permitted uses for each. The boundaries of these management areas are displayed on the Pinelands Land Capability Map. They are implemented through local zoning that must conform with Pinelands land use standards. Evesham Township has lands designated as forest area, rural development area, and regional growth area.

Growth/Development Trends





The following table summarizes recent residential/commercial development since 2013 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 9.14.8 of this annex which illustrates the hazard areas along with the location of potential new development.

Table 9.14-1. Growth and Development

Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Location (address and/or Parcel ID)	Block/Lot	Known Hazard Zone(s)	Description/Status of Development
Recent Development from 2013 to present						
Devonforde II	Res	19	Aisling and Stamford Bridge	Block 15.19	Could not locate.	Houses under construction
Berkshire Woods	Res	68	Sullivan Way	Block 15.20	Could not locate.	Houses under construction
Winding Brook	Res	66	Eddy Way, Bluff, Meander	Block 14.03/14.04	Could not locate.	Site work
Sanctuary	Res		Grant Wood, Winslow Homer		Wildfire: Extreme	Houses under construction
Known or Anticipated Development in the Next Five (5) Years						
Barclay Chase	Res	271 apart	Barclay Blvd	Block 16	Wildfire: High;	Site work and building construction
Renaissance	Res	338 apart in 5 builds	Route 70	Block 27.02	Wildfire: Very High	Site work and building construction
Renaissance Square	Comm	4 buildings	Route 70	Block 27.02	Wildfire: Very High	Site work
RMA	Comm	1 building	Marlton Pike West	Block 22.02	None	Site work
RH Properties	Comm	1 building	Route 70	Block 4.09	None	Site work and building construction
Cedar Properties	Comm	1 building	Route 70	Block 4	None	Not started yet
RB Marlton Investors	Comm	2 buildings	Route 73	Block 36	Wildfire: High	Not started yet
Royal Farms	Comm	1 building	Rt &3 and Lincoln Dr	Block 6.04, Lot 1	Could not locate.	Not started yet
Republic Bank	Comm	1 building	178 Greentree Road	Block 2.01, Lot 7.01	Could not locate.	Not started yet
Jacki's Crossing	Res	1 building	S Maple Ave	Block 5.01, Lot 16.02	Could not locate.	Not started yet
Main St Apartments	Res	1 building and garage	42 E Main Street	Block 4.09, Lot 11.01	None	Not started yet
The View	Comm	3 buildings	Rt 73 and Lincoln Drive	Block 1.10 Lots 4, 5, 7	None	Not started yet
Insite Real Estate	Comm	1 building	Rt 73 and Holtec	Block 5.01, Lots 1, 2	Could not locate.	Not started yet
Ambrosia	Res	1 building	285 Old Marlton Pike	Block 17, Lot 3.01	Could not locate.	Not started yet

* Only location-specific hazard zones or vulnerabilities identified.

9.14.3 Natural Hazard Event History Specific to the Municipality

Burlington 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 update, events that have occurred in the County from 2013 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 9.14-2. Hazard Event History

Dates of Event	Event Type (Disaster Declaration if applicable)	Burlington County Designated?	Summary of Damages/Losses
April 30-May 1, 2014	Heavy Rain and Flooding	N/A	Heavy rain caused considerable poor drainage and creek flooding in the northern Burlington County. Rancocas Creek was hit the hardest by flooding. Many roads were flooded and closed. Approximately \$1 million in property damage in the County.
January 26-27, 2015	Winter Storm	N/A	Winter storm Juno. Severe winter storm with heavy snow accumulations, mixed precipitation, strong winds, and freezing temperatures throughout the State. Resulted in snowfall accumulations which created temporary hazardous conditions.
June 23, 2015	Severe Storm (DR-4231)	Yes	High velocity winds and torrential rain caused widespread power outages and downed trees throughout Evesham Township. There were communitywide damages including debris, downed wires and trees, and localized flooding causing hazardous and impassable road conditions and property damages. Additionally, loss of power resulted in power interruption to critical facilities and residents creating an immediate threat to life, public health, safety and improved property.
October 4-5, 2015	Hurricane/Severe Storm	N/A	Remanence of dangerous nor'easter weather pattern (Hurricane Joaquin). Resulted in high winds, heavy rain and minor localized flooding.
January 22-24, 2016	Severe Winter Storm (DR-4264)	Yes	Winter storm Jonas. Heavy snow fell throughout the County; snowfall totals ranged from 12 inches to 16.4 inches.
March 13-14, 2017	Winter Storm	N/A	Severe winter storm with heavy snow accumulations, mixed precipitation, strong winds, and freezing temperatures throughout the State. Resulted in accumulating snowfall which created temporary hazardous conditions.
December 13, 2017	Flooding/Dam Breach	N/A	Localized flooding due to earthen dam breach. Resulted in temporary road closures.

Notes:

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

9.14.4 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 Township of Evesham. 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 Township of Evesham. During the review of the hazard/vulnerability risk ranking, the Township indicated the following:

- Flood was changed from a low hazard to a medium hazard.

Table 9.14-3. Hazard Risk/Vulnerability Risk Ranking

Hazard type	Estimate of Potential Dollar Losses to Structures Vulnerable to the Hazard ^{a, c}	Probability of Occurrence	Risk Ranking Score (Probability x Impact)	Hazard Ranking ^b
Coastal Erosion	RCV Exposed to CE Hazard Area: \$0	Rare	6	Low
Drought	Damage estimate not available.	Frequent	30	Medium
Earthquake	100-Year GBS: \$0 500-Year GBS: \$7,396,226 2,500-Year GBS: \$108,062,851	Occasional	28	Medium
Flood*	1% Annual Chance: \$209,842,379	Frequent	18	Medium
Landslide	RCV Exposed to Landslide Hazard Area: \$0	Rare	6	Low
Severe Storm	100-year MRP: \$19,599,968 500-year MRP: \$66,107,914 Annualized: \$538,952	Frequent	48	High
Severe Winter Weather	1% GBS: \$91,686,532 5% GBS: \$458,432,660	Frequent	51	High
Wildfire	Estimated Value in the Extreme, Very High, and High Hazard Areas: \$691,213,944	Occasional	12	Low

Notes:

- 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 custom inventory for the municipality.
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 value of contents.
 - d. Loss estimates for the flood and earthquake hazards represent both structure and contents.
 - e. The HAZUS-MH earthquake model results are reported by Census Tract.
- * Flood was changed from a low to a medium risk ranking.

National Flood Insurance Program (NFIP) Summary

The following table summarizes the NFIP statistics for the Township of Evesham.

Table 9.14-4. 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)
Township of Evesham	169	37	\$250,315.31	4	0	0

Source: FEMA Region 2 2017, 2018

(1) Repetitive loss and severe repetitive loss statistics provided by FEMA Region 2 and are current as of 10/31/2017. Policy and claims statistics current as of 9/30/2018





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 9/30/2018.

(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 are based on the addresses geocoded from the FEMA Region 2 policy file – 10/31/2017.

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.

Critical Facilities

The table below presents Hazards United States (HAZUS) – Multi-Hazards (MH) estimates of the damage and loss of use to critical facilities in the community as a result of a 1-percent annual chance flood event.

Table 9.14-5. 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
None identified.					

Source: FEMA 2017, Burlington County

Note: - = Damages not calculated by HAZUS-MH v4.0

Other Vulnerabilities Identified

The municipality has identified the following vulnerabilities within their community:

- In the Township of Evesham, an estimated 2,052 residents live within the 1-percent annual chance flood area (NFIP Special Flood Hazard Area). Of the municipality's total land area, 10.4% is located within the 1-percent annual chance flood area. A total of \$209.8 million (1.4%) of the municipality's general building stock replacement cost value (structure and contents) is located within the 1-percent annual chance flood area.
- The Township of Evesham has a total of 169 NFIP policies. FEMA has identified 4 Repetitive Loss (RL) property and 0 Severe Repetitive Loss (SRL) properties in the municipality.

9.14.5 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 Township of Evesham.



Table 9.14-6. Planning and Regulatory Tools

Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
Planning Capability				
Master Plan	Yes/2011	Local	Community Development	Master Plan
Capital Improvements Plan	Yes/2012	Local	Community Development	Capital Improvements Plan
Floodplain Management / Basin Plan	Yes/2000	Local, Federal	Community Development	NFIP; Chapter 160-26
Stormwater Management Plan	Yes/2008	Local	Community Development	Stormwater Management Plan
Open Space Plan	Yes/2012	Local	Community Development	Open Space Plan
Stream Corridor Management Plan	Yes	Local	PW	Stream Corridor Management Plan
Watershed Management or Protection Plan	Yes	State	EPA	Watershed Management or Protection Plan
Economic Development Plan	Yes	Local	Community Development	Economic Development Plan
Comprehensive Emergency Management Plan	Yes/2018 (Pending Approval)	Local	Fire/OEM	Evesham Township Emergency Operations Plan
Emergency Operation Plan	Yes/2018 (Pending Approval)	Local	Fire/OEM	Evesham Township Emergency Operations Plan
Post-Disaster Recovery Plan	Yes	Local	Fire/OEM	EOP
Transportation Plan	Yes	State	DOT	Transportation Plan
Strategic Recovery Planning Report	No			
Other Plans:	N/A			
Regulatory Capability				
Building Code	Yes/Annually	State & Local	Community Development	State Uniform Construction Code Act (N.J.S. 52:27D-119 et seq.)
Zoning Ordinance	Yes/Annually	Local	Community Development	Chapter 160
Subdivision Ordinance	Yes/Annually	Local	Community Development	Chapter 135
NFIP Flood Damage Prevention Ordinance	Yes	Federal, State, Local	Community Development	Chapter 78
NFIP: Cumulative Substantial Damages	No			
NFIP: Freeboard	Yes	State, Local	Community Development/Zoning	
Growth Management Ordinances	Yes	Local	Community Development/Zoning	
Site Plan Review Requirements	Yes	Local	Community Development/Zoning	



Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
Stormwater Management Ordinance	Yes/2000	Local	Community Development	Chapter 160-26
Municipal Separate Storm Sewer System (MS4)	No			
Natural Hazard Ordinance	No			
Post-Disaster Recovery Ordinance	No			
Real Estate Disclosure Requirement	Yes	State	Planning	
Other (Special Purpose Ordinances [i.e., sensitive areas, steep slope])	N/A			

Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Township of Evesham.

Table 9.14-7. Administrative and Technical Capabilities

Resources	Is this in place? (Yes or No)	Department/ Agency/Position
Administrative Capability		
Planning Board	Yes	Township/Community Development
Mitigation Planning Committee	Yes	OEM/Fire Department
Environmental Board/Commission	Yes	Community Development/Zoning
Open Space Board/Committee	Yes	Department of Recreation and Open Space
Economic Development Commission/Committee	Yes	Community Development/Zoning
Maintenance programs to reduce risk	Yes	Community Development/Zoning
Mutual aid agreements	Yes	Fire Department
Technical/Staffing Capability		
Planner(s) or engineer(s) with knowledge of land development and land management practices	Yes	Bach Associates
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Yes	Remington, Vernick & Arrango
Planners or engineers with an understanding of natural hazards	Yes	Bach Associates & Remington, Vernick & Arrango
NFIP Floodplain Administrator (FPA)	Yes	Construction Official
Surveyor(s)	No	
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	Yes	MIS Department
Scientist familiar with natural hazards	Yes	Environmental Commission
Emergency Manager	Yes	Fire/OEM – OEM Coordinator – Fire Chief
Grant writer(s)	Yes	Fire Chief
Staff with expertise or training in benefit/cost analysis	Yes	Director-Community Development



Resources	Is this in place? (Yes or No)	Department/ Agency/Position
Professionals trained in conducting damage assessments	Yes	Community Development/Construction Office

Fiscal Capability

The table below summarizes financial resources available to the Township of Evesham.

Table 9.14-8. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	Yes
Capital improvements project funding	Yes
Authority to levy taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	No
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

Community Classifications

The table below summarizes classifications for community program available to the Township of Evesham.

Table 9.14-9. Community Classifications

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

Note:

- N/A Not applicable
- NP Not participating





- Unavailable

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

Criteria for classification credits are outlined in the following documents:

- The Community Rating System Coordinators Manual
- The Building Code Effectiveness Grading Schedule
- The ISO Mitigation online ISO’s Public Protection website at <https://www.isomitigation.com/ppc/>
- The National Weather Service Storm Ready website at <http://www.stormready.noaa.gov/index.html>
- The National Firewise Communities website at <http://firewise.org/>

Self-Assessment of Capability

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

Table 9.14-10. 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

NFIP Floodplain Administrator (FPA)

Thomas Czerniecki, Township Manager

Flood Vulnerability Summary

At this time, the municipality does not maintain a list or inventory of properties that have been flood damaged, and does not have a record of the number of homes that may have been damaged during Hurricane Sandy or other storm events. The municipality does not make sustainable damage estimates and does not have a count for a given storm event. Funding sources for potential mitigated properties can include local budget or grant funding with aid from the property owner.





Resources

The FPA is the sole person assuming the responsibilities of floodplain administration for the Township. NFIP administration services and functions provided by the FPA include, permit review, inspections, and education and outreach. The Township provides education and outreach to the community regarding the flood hazard; information and links to flood maps and insurance information is available on the website. The FPA is adequately supported and trained to fulfill the responsibilities as the FPA, but would consider attending continuing education and/or certification training on floodplain management if it were offered in the County.

Compliance History

The Township is currently in good standing with the NFIP; however, the date of the most recent compliance audit is unknown.

Regulatory

The Township's floodplain management regulations/ordinances meet the FEMA and State minimum requirements. The planning board and zoning board consider efforts to reduce flood risk when reviewing variances such as height restrictions. The Township has considered joining the Community Rating System (CRS) and would attend a CRS seminar if offered locally.

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

Open Space and Recreation Plan: The Open Space and Recreation Plan for the Township of Evesham was finalized in 2012 and prepared by the Delaware Valley Regional Planning Authority with the Evesham Open Space Committee. The plan identifies the current open space and recreation facilities of Evesham Township and gives recommendations for improvement to Evesham's Park and Recreation System.

In northern Evesham, there is a need to protect the largest parcel of remaining open space through acquisition or a conservation easement. Other needs include adding a baseball complex; resolving difficulties with the existing football field; evaluating and modifying small neighborhood parks (these are also located in southern Evesham); consolidating management of sports fields, including public school fields, and managing their scheduling through one source; improving citizen awareness of all of Evesham's parks; adding regulation-size fields for tournament play; constructing indoor facilities; documenting historic sites more fully; creating an enhanced town center in Marlton; developing pedestrian routes that connect key sites; and creating stewardship materials for homeowners, especially those who live along densely developed stream corridors.

In southern Evesham, there is an urgent need to protect large areas of high-quality woodland, both to retain their pristine condition and to prevent fragmentation and isolation of the large parks already owned by Evesham. Three large sites were identified as meriting preservation, using whatever funding sources can be accessed and the municipal tools that are available to Evesham. The sites are:

- The Headwaters Area;
- The Southern Forest; and
- The East–West Connector Area.



The last set of parcels will tie Evesham's land together and permit a linkage between township and state-owned lands, with access to Pinelands Preservation Areas, such as the Wharton State Forest, in adjoining communities. In other words, a resident, or an animal, will be able to travel from the western side of Evesham all the way to the Wharton State Forest and beyond.

Pinelands Comprehensive Management Plan: The New Jersey Pinelands Commission protects the Pinelands through its implementation of the Comprehensive Management Plan (CMP). The CMP contains the rules that guide land-use, development and natural resource protection programs in the state Pinelands Area. The regulations and standards contained in the CMP are designed to promote orderly development by channeling growth toward appropriate areas while safeguarding the region's unique natural, ecological, agricultural, archaeological, historical, scenic, cultural and recreational resources.

The Pinelands Comprehensive Management Plan provides general provisions, interpretations and definitions, certification of County, Municipal and Federal Installation Plans, development review, minimum standards for land uses and intensities, management programs and minimum standards, amendments to the comprehensive management plan, enforcement, acquisition of properties with limited practical use, and pilot programs.

Regulatory and Enforcement (Ordinances)

NJDEP Municipal Stormwater Regulation Program: New Jersey Department of Environmental Protection issued the statewide municipal stormwater permits that became effective January 1, 2018 and authorizes stormwater discharges from municipal separate storm sewer systems (MS4s) to the waters of the state. Municipalities that have been issued a Notice of Authorization (NOA) to discharge under the Tier A (urban and coastal municipalities) or Tier B (more rural municipalities) master general permit must develop and implement a stormwater program. The first New Jersey Pollutant Discharge Elimination System (NJPDES) permit authorizing discharges from MS4 municipalities became effective in 2004 (subsequently renewed in 2009 and now in 2018), so most municipalities have developed stormwater programs; however, the 2018 permit requires the municipalities to maintain a stormwater management plan and enforce stormwater ordinances to address development and redevelopment consistent with the Stormwater Management rules at N.J.A.C 7:8, as well as implementation of additional requirements. For more information on the municipal stormwater regulation program, see www.nj.gov/dep/dwq/msrp_home.htm. Evesham Township is Tier A municipality.

Stormwater Management: Chapter 139 of the municipal code discusses stormwater management. This chapter is intended to regulate illicit connections, improper waste disposal, design standard, litter, pet waste, wildlife feeding, and yard waste collection in order to comply with the requirements of New Jersey Department of Environmental Protection Stormwater Management Regulations adopted on February 2, 2004, and codified at N.J.A.C. 7:8-1 et seq. This chapter also established enforcement, which is done by the Police Department of Evesham Township, and penalties for violations of the provisions of this chapter.

Flood Damage Prevention: The purpose of the flood damage prevention ordinance (Chapter 78 of the municipal code) is to promote the public health, safety and general welfare and to minimize public and private losses due to flood conditions in specific areas by provisions designed to:

- Protect human life and health.
- Minimize expenditure of public money for costly flood control projects.
- Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public.
- Minimize prolonged business interruptions.
- Minimize damage to public facilities and utilities, such as water and gas mains, electric, telephone and sewer lines and streets and bridges located in areas of special flood hazard.



- Help maintain a stable tax base by providing for the sound use and development of areas of special flood hazard so as to minimize future flood blight areas.
- Ensure that potential buyers are notified that property is in an area of special flood hazard.
- Ensure that those who occupy the areas of special flood hazard assume responsibility for their actions.

Operational and Administration

The Township of Evesham has the following boards and commissions:

- Planning Board
- Zoning Board of Adjustment
- Historic Preservation Commission
- Economic Development Commission
- Shade Tree Commission
- Environmental Commission

These boards and commissions are supported by the Township's Department of Community Development. Additional Township Departments include Clerk, Court, Finance, Fire Department, Human Resources, Municipal Utilities Authority, Police, Public Affairs & Senior Services, Public Works, Recreation & Open Space, Tax Assessor, Tax Collector, and Township Manager.

Stream Management: The township DPW maintains stream corridors by clearing debris and any clogging from storm drains and streams on a regular basis to ensure good flows and to limit flooding. This has been an on-going project for several years. Township DPW continues to clear debris and clogging of storm drains as well as streams on a regular basis. This ensures drainage and limits flooding.

Sustainable Jersey: The Township of Evesham is bronze certified in the Sustainable Jersey program. Sustainable Jersey certification is a prestigious designation for municipal governments in New Jersey. Municipalities that achieve the certification are considered by their peers, by state government and by the experts and civic organizations in New Jersey, to be among the leading municipalities. All actions taken by municipalities to score points toward certification must be accompanied by documentary evidence and is reviewed. The certification is free and completely voluntary.

Funding

The Township of Evesham has mutual aid agreements with the Fire Department and the Fire Chief is a grant writer. Financial resources that the Township has access to or are eligible to use include Community Development Block Grants, Capital Improvement Project Funding, the authority to levy taxes for specific purposes, and the ability to incur debt through general obligation bonds.

Education and Outreach

The Township of Evesham has a website where one can access information about Township Departments, the Mayor and Council, the Township Code, Road Projects, Pending Ordinances, Budget Reports, Audit Reports, Township Maps, and other additional information. From the Departments page one can access the Evesham Township Police Department webpage which has a link for residents to sign up for emergency alerts through nixle. By searching for "flood" on the Township website one can receive information about where flood maps are available for viewing and provides a phone number for the Township Zoning Officer who can confirm residents flood zone classification. The Township also maintains a Facebook page which provides residents information on past and upcoming events. The Township Police Department Facebook page provides information, when applicable, about inclement weather.



9.14.6 Mitigation Strategy and Prioritization

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

Past Mitigation Initiative Status

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



Table 9.14-11. Status of Previous Mitigation Actions

Action Number	2013 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Steps 1. Project to be included in 2019 HMP or Discontinue 2. If including action in the 2019 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
EV-1	Remove and replace the spillway and culvert at the Tomlinson Mill Dam on Tomlinson Mill Rd.	Lead: Twp. Engineer Support: Twp., NJDEP, Pinelands Commission	Complete	Dam/spillway and culvert replaced. Roadway improved and repaved.	1. Discontinue 2. N/A 3. Project completed
EV-2	Evesham Fire-Rescue will continue to assess and update wildfire hazard mapping for Evesham Township in cooperation with the NJ State Forestry. Evesham Fire-Rescue (EFD) will work toward making all mapping information available on the EFR website for the public to review. In addition, EFD will provide educational information on the website on actions that homeowners can take to help reduce the risk to life and property from wildfires. EFD will continue to work with the NJ State Forestry in fuels management (control burns) as they determine necessary.	Evesham Fire-Rescue	In Progress	Educational information disseminated to residents in higher risk areas. Information posted on social media outlets.	1. Include in 2019 HMP 2. Continue to updated mapping and hazard areas and education to residents. 3. N/A
EV-3	The township DPW will increase their salt storage capabilities for use during winter storms. In addition, the DPW will continue to pre-treat roadways with brine and maintain a plan for the clearing and removal of snow.	Public Works MUA School District	In Progress	Township expanded storage capabilities and capacity. Contracts in place to increase services and capacities to greater/higher levels in the event and/or during increased services demand periods.	1. Include in 2019 HMP 2. Maintain levels and analyze further. 3. N/A
EV-4	The township DPW will continue to clear debris and any	Public Works	Complete	Township DPW continues to clear debris and clogging of storm drains as well as streams on a	1. Discontinue 2. Ongoing capability





Action Number	2013 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Steps 1. Project to be included in 2019 HMP or Discontinue 2. If including action in the 2019 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
	clogging from storm drains and streams on a regular basis to ensure good flows and to limit flooding. This has been an on-going project for several years.			regular basis. This ensures drainage and limits flooding.	
EV-5	Continue to support the implementation, monitoring, maintenance, and updating of this Plan, as defined in Section 7.0	Evesham Twp with support from Planning Partners, County Planning, NJOEM, FEMA	Complete	Complete	1. Discontinue 2. Participating in plan update; ongoing capability
EV-6	Provide public education and outreach on proper installation and/or use of backup power	Municipal Clerk	In Progress	Combining efforts with EV-10. Working on backup power for schools. Specifically, schools listed as shelters within the township EOP.	1. Discontinue 2. Combined with EV-10 for 2019 HMP
EV-7	Evaluate benefits of participating in CRS program	Twp. Committee; Planning	In Progress	Continuing to analyze.	1. Include in 2019 HMP 2. Same wording 3. N/A
EV-8	Conduct and facilitate community and public education and outreach for residents and businesses to promote natural hazard risk reduction to include: • Disaster preparedness Hazard mitigation	Municipality with support from Planning Partners, County Planning, NJOEM, FEMA	In Progress		1. Include in 2019 HMP 2. Same wording 3. N/A
EV-9	Improve municipal communications systems to include information sharing with county and surrounding municipalities.	Municipality with support from County, NJOEM and FEMA	In Progress	Training and use with different applications.	1. Include in 2019 HMP 2. Same wording 3. N/A
EV-10	Obtain and install backup power sources at critical facilities.	Municipality with support from County, NJOEM and FEMA	In Progress	Combining efforts with EV-6. Working on backup power for schools. Specifically, schools listed as shelters within the township EOP.	1. Discontinue 2. Combined with EV-6 for 2019 HMP





Action Number	2013 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Steps 1. Project to be included in 2019 HMP or Discontinue 2. If including action in the 2019 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
EV-11	Create/Enhance/Maintain Mutual Aid agreements with neighboring communities for continuity of operations	Municipality with support from County, NJOEM, FEMA and surrounding communities	Complete	Communications ongoing with neighboring communities in regard to continuity of services and operations.	1. Discontinue 2. Ongoing capability
EV-12	Promote the participation of Floodplain Administrator within the planning process and other related activities.	Municipality with support from County, NJOEM and FEMA	No Progress		1. Include in 2019 HMP 2. Same wording 3. N/A
EV-13	Enhance resilience to severe storms by joining the NOAA “Storm Ready” program.	Municipality with support from County, NJOEM and FEMA	In Progress	Contacted NOAA regarding this program. Representatives from NOAA stated program was temporarily discontinued due to lack of resources/manpower.	1. Include in 2019 HMP 2. Same wording. Add – will continue to monitor program if reinstated by NOAA. 3. N/A
EV-14	Address dangerous trees threatening people and property through proactive tree-trimming (vegetation management) programs in conjunction with property owners and utility companies.	Municipal DPW	Complete	High hazard/priority areas within community addressed. Ongoing plan to continue operations as needed in conjunction with property owners and utility companies.	1. Discontinue 2. Ongoing capability
EV-15	Evaluate the benefits of participating in the Firewise Program	Municipal OEM	In Progress	Continuing to discuss benefits	1. Include in 2019 HMP 2. Same wording 3. N/A
EV-16	Support the mitigation of vulnerable structures via retrofit (eg. Elevation, flood-proofing) or relocation to protect structures from future damage with repetitive loss and severe repetitive loss properties as a priority when applicable.	Municipality (via Municipal Engineer/NFIP Floodplain Administrator) with support from County Planning, NJOEM, FEMA	In Progress	Working to identify properties	1. Discontinue 2. Updated to new action. 3. N/A



Action Number	2013 Mitigation Action	Responsible Party	Status (In progress, No progress, Complete)	Describe Status 1. Please describe what was accomplished and indicate % complete. 2. If there was no progress, indicate what obstacles/delays encountered? 3. If there was progress, how is/was the action being funded (e.g., FEMA HMGP grant, local budget)?	Next Steps 1. Project to be included in 2019 HMP or Discontinue 2. If including action in the 2019 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
	<p>Phase 1: Identify appropriate candidates based on cost-effectiveness and repetitive loss.</p> <p>Phase 2: Work with the property owners to implement selected action based on available funding from the State and FEMA and local match availability.</p>				



Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

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

- None identified by the municipality.

Proposed Hazard Mitigation Initiatives for the Plan Update

The municipality participated in a mitigation action workshop in March 2018 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 ‘Selecting Appropriate Mitigation Measures for Floodprone Structures’ (March 2007) and FEMA ‘Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards’ (January 2013).

Table 9.14-12 summarizes the comprehensive-range of specific mitigation initiatives the Township of Evesham would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

As discussed in Section 6, 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing your actions as ‘High’, ‘Medium’, or ‘Low.’ The table below summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.14-13 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.14-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Critical Facility (Yes / No)	Hazard(s) Mitigated	Goals and Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
EV-1 (former EV-2)	Evesham Fire-Rescue will continue to assess and update wildfire hazard mapping for Evesham Township in cooperation with the NJ State Forestry. Evesham Fire-Rescue (EFD) will work toward making all mapping information available on the EFR website for the public to review. In addition, EFD will provide educational information on the website on actions that homeowners can take to help reduce the risk to life and property from wildfires. EFD will continue to work with the NJ State Forestry in fuels management (control burns) as they determine necessary.	N/A	Wildfire	All	Evesham Fire-Rescue	High	Low	Budget	Short	High	LPR	PR
EV-2 (former EV-3)	The township DPW will increase their salt storage capabilities for use during winter storms. In addition, the DPW will continue to pre-treat roadways with brine and maintain a plan for the clearing and removal of snow.	N/A	Winter Storm	1, 2, 6	Public Works MUA School District	Medium	Medium	Budget	Short	High	SIP	PR
EV-3 (former EV-7)	Evaluate benefits of participating in CRS program	Existing	All	All	Twp. Committee; Planning	Medium	Low	Twp./Public	On-going	Medium	LPR	PR
EV-4 (former EV-8)	Conduct and facilitate community and public education and outreach for residents and businesses to	N/A	All Hazards	All	Municipality with support from Planning Partners, County	Medium	Medium	Municipal Budget, HMA programs with local or	Short Term	High	LPR, EAP	PE





Table 9.14-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Critical Facility (Yes / No)	Hazard(s) Mitigated	Goals and Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
	<p>promote natural hazard risk reduction to include:</p> <ul style="list-style-type: none"> Disaster preparedness Hazard mitigation 				Planning, NJOEM, FEMA			county match				
EV-5 (former EV-9)	Improve municipal communications systems to include information sharing with county and surrounding municipalities.	N/A	All Hazards	All	Municipality with support from County, NJOEM and FEMA	Medium	Medium	Municipal Budget	Short	Medium	LPR	PR, ES
EV-6 (former EV-13)	Enhance resilience to severe storms by joining the NOAA "Storm Ready" program.	N/A	Severe Storm	All	Municipality with support from County, NJOEM and FEMA	Medium	Low	Municipal Budget	Short Term; DOF	Medium	LPR	PE
EV-7 (former EV-15)	Evaluate the benefits of participating in the Firewise Program	Existing	Wildfire	All	Municipal OEM	Medium	Low	Municipal Government, OEM	Short Term	Medium	LPR	PE
EV-8	Combining efforts of former EV-6 and EV-10. Working on backup power for critical facilities. Specifically, schools listed as shelters within the township EOP.	Yes	All	2, 6	Municipality with support from County, NJOEM and FEMA	High	High	Municipal budget; grant funding	Short; DOF	High	SIP	PP
EV-9	During future updates of the Master Plan, Floodplain Management Plan, or the Emergency Operation Plan, work to integrate hazard mitigation principles and recommendations into the plans. Additionally, use these hazard mitigation principles and plan recommendations to update local building and zoning codes to create a more resilient community.	No	All Hazards	All	Municipality	High	Low	Municipal Budget	Short Term, Depending on update schedule	High	LPR	PR, PI



Table 9.14-12. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Critical Facility (Yes / No)	Hazard(s) Mitigated	Goals and Objectives Met	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
EV-10	<p>The Township will promote and support non-structural flood hazard mitigation alternatives for at risk properties within the floodplain, specifically those that have been identified as Repetitive Loss (RL) and Severe Repetitive Loss (SRL). At risk areas include:</p> <ul style="list-style-type: none"> • Pelham Road • Colony Trail • Briar Court • Roosevelt Ave <p>Alternatives would include acquisition/relocation or elevation depending on feasibility, and the completion of initiative is dependent on funding, benefits versus cost, and willing participation of property owners.</p>	No	Flood	1, 2	Municipality with support from County	High	High	Grant funding; Municipal budget	Short	High	SIP	PP

Notes:

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

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

Acronyms and Abbreviations:

CAV Community Assistance Visit
 CRS Community Rating System
 DPW Department of Public Works
 FEMA Federal Emergency Management Agency
 FPA Floodplain Administrator
 HMA Hazard Mitigation Assistance
 N/A Not applicable
 NFIP National Flood Insurance Program

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 in 2015)
 SRL Severe Repetitive Loss Grant Program (discontinued in 2015)

Timeline:

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





OEM Office of Emergency Management

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

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 9.14-13. 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
EV-1 (former EV-2)	Evesham Fire-Rescue will continue to assess and update wildfire hazard mapping for Evesham Township in cooperation with the NJ State Forestry. Evesham Fire-Rescue (EFD) will work toward making all mapping information available on the EFR website for the public to review. In addition, EFD will provide educational information on the website on actions that homeowners can take to help reduce the risk to life and property from wildfires. EFD will continue to work with the NJ State Forestry in fuels management (control burns) as they determine necessary.	1	1	1	1	1	1	1	1	0	1	0	0	1	0	9	High
EV-2 (former EV-3)	The township DPW will increase their salt storage capabilities for use during winter storms. In addition, the DPW will continue to pre-treat roadways with brine and maintain a plan for the clearing and removal of snow.	1	1	1	1	0	0	1	1	0	1	1	1	1	0	10	High





Table 9.14-13. 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
EV-3 (former EV-7)	Evaluate benefits of participating in CRS program	1	1	1	0	1	1	0	0	0	1	1	1	1	0	9	Medium
EV-4 (former EV-8)	Conduct and facilitate community and public education and outreach for residents and businesses to promote natural hazard risk reduction to include: <ul style="list-style-type: none"> Disaster preparedness Hazard mitigation 	1	1	1	1	1	1	1	1	1	1	1	1	1	0	13	High
EV-5 (former EV-9)	Improve municipal communications systems to include information sharing with county and surrounding municipalities.	0	0	1	1	1	1	1	0	0	1	1	1	1	0	9	Medium
EV-6 (former EV-13)	Enhance resilience to severe storms by joining the NOAA “Storm Ready” program.	1	0	0	1	1	1	0	0	1	1	1	0	1	0	8	Medium
EV-7 (former EV-15)	Evaluate the benefits of participating in the Firewise Program	1	0	0	1	1	1	0	0	1	1	0	0	1	0	7	Medium
EV-8	Combining efforts of former EV-6 and EV-10. Working on backup power for critical facilities. Specifically, schools listed as shelters within the township EOP.	1	1	1	1	1	1	-1	0	0	1	1	0	1	0	9	High



Table 9.14-13. 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
EV-9	During future updates of the Master Plan, Floodplain Management Plan, or the Emergency Operation Plan, work to integrate hazard mitigation principles and recommendations into the plans. Additionally, use these hazard mitigation principles and plan recommendations to update local building and zoning codes to create a more resilient community.	1	1	1	1	1	1	1	0	0	1	1	0	1	0	10	High
EV-10	The Township will promote and support non-structural flood hazard mitigation alternatives for at risk properties within the floodplain, specifically those that have been identified as Repetitive Loss (RL) and Severe Repetitive Loss (SRL). At risk areas include: <ul style="list-style-type: none"> • Pelham Road • Colony Trail • Briar Court • Roosevelt Ave 	1	1	0	1	1	1	-1	0	0	1	0	1	1	0	8	High



Table 9.14-13. 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
	Alternatives would include acquisition/relocation or elevation depending on feasibility, and the completion of initiative is dependent on funding, benefits versus cost, and willing participation of property owners.																

Note: Refer to Section 6, which conveys guidance on prioritizing mitigation actions.



9.14.7 Future Needs To Better Understand Risk/Vulnerability

None at this time.

9.14.8 Hazard Area Extent and Location

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

9.14.9 Additional Comments

None at this time.



Figure 9.14-1. Township of Evesham Hazard Area Extent and Location Map 1

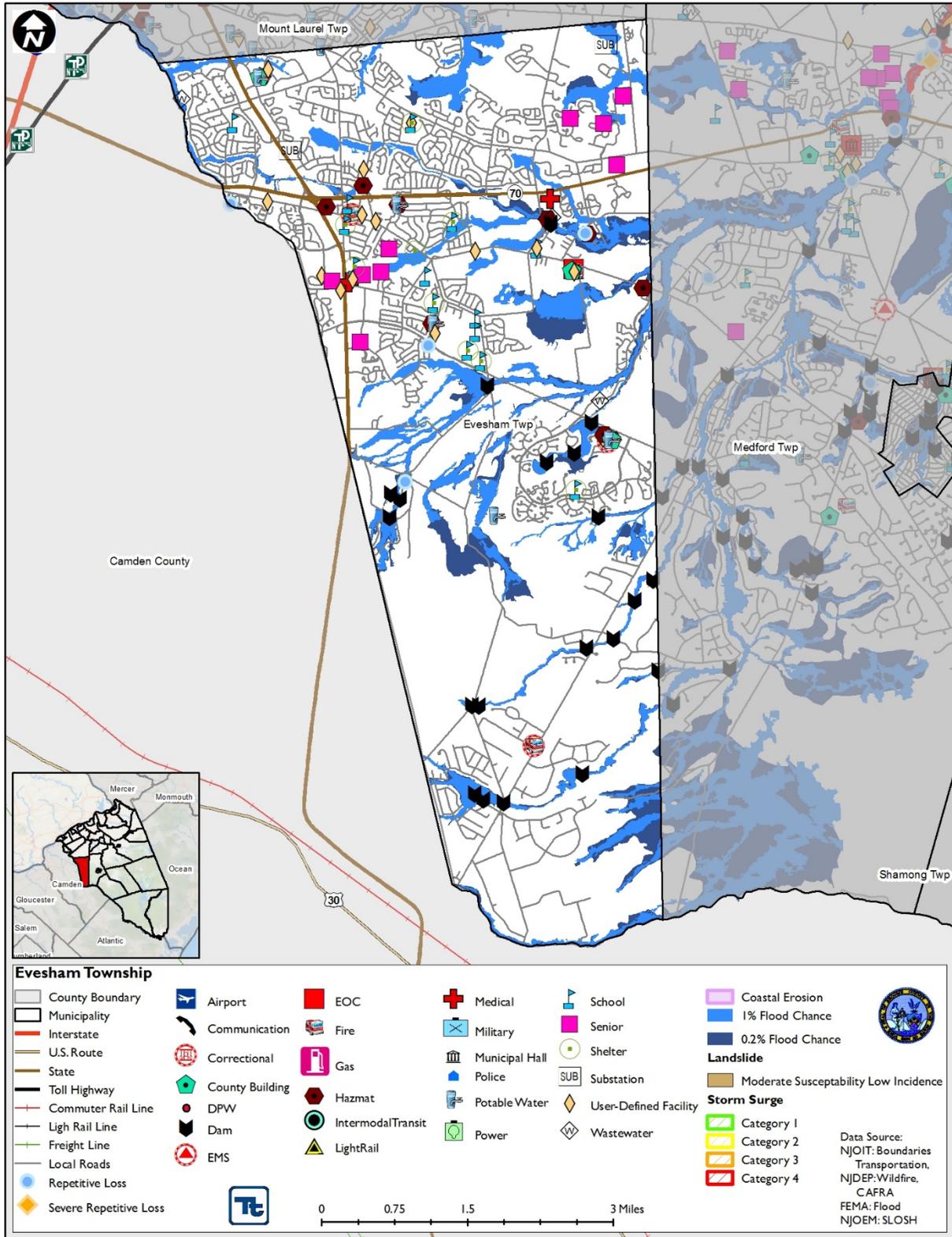
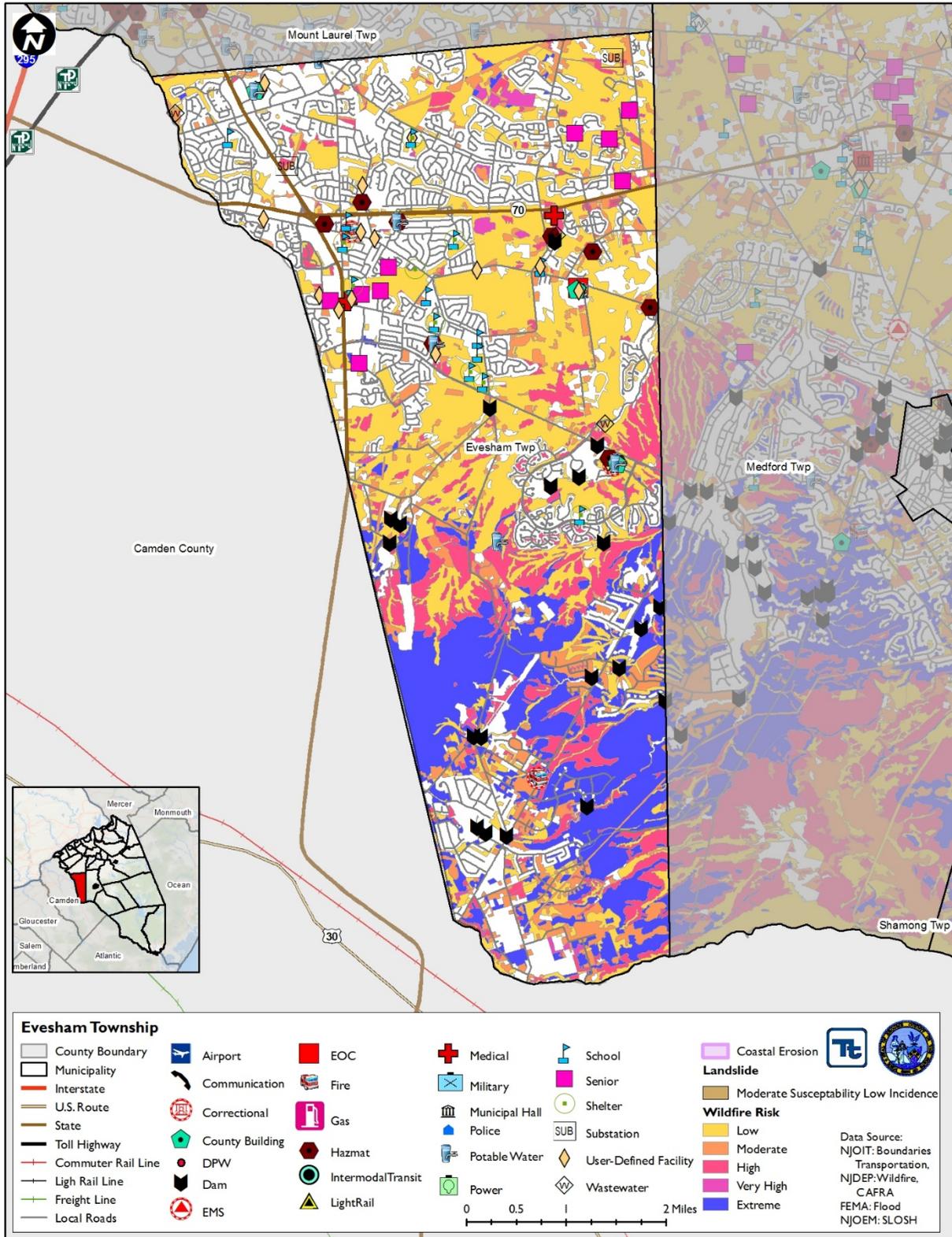




Figure 9.14-2. Township of Evesham Hazard Area Extent and Location Map 2





Action Number:

EV-2 (former EV-3)

Mitigation Action Name:

The township DPW will increase their salt storage capabilities for use during winter storms. In addition, the DPW will continue to pre-treat roadways with brine and maintain a plan for the clearing and removal of snow.

Assessing the Risk	
Hazard(s) addressed:	Winter Storm
Specific problem being mitigated:	Poorly treated roadways created hazardous conditions for emergency responders and residents during a winter storm.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	No Action - current problem continues Create mutual aid agreement with surrounding municipalities – surrounding municipalities may not have capacity to help Work with county to provide more salt to township during storm events – the county may not have the capacity to provide the extra support
Action/Project Intended for Implementation	
Description of Selected Action/Project	Increase the size of the DPW salt shed or add additional areas around the Township.
Mitigation Action Type	SIP
Goals Met	1, 2, 6
Critical Facility (Y/N)	N/A
Benefits (losses avoided)	Medium
Estimated Cost	Medium
Priority*	High
Plan for Implementation	
Responsible Organization	Public Works MUA School District
Local Planning Mechanism	PR
Potential Funding Sources	Budget
Timeline for Completion	Short
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: 1/31/18 Status: Township expanded storage capabilities and capacity. Contracts in place to increase services and capacities to greater/higher levels in the event and/or during increased services demand periods.



Action Number:

EV-2 (former EV-3)

Mitigation Action Name:

The township DPW will increase their salt storage capabilities for use during winter storms. In addition, the DPW will continue to pre-treat roadways with brine and maintain a plan for the clearing and removal of snow.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Increase roadway safety for drivers during winter events
Property Protection	1	
Cost-Effectiveness	1	
Technical	1	
Political	0	
Legal	0	
Fiscal	1	Municipal budget
Environmental	1	
Social	0	
Administrative	1	
Multi-Hazard	1	
Timeline	1	
Agency Champion	1	
Other Community Objectives	0	
Total	10	
Priority (H/M/L)	High	



Action Number:

EV-8

Mitigation Action Name:

Combining efforts of former EV-6 and EV-10. Working on backup power for critical facilities. Specifically, schools listed as shelters within the township EOP.

Assessing the Risk	
Hazard(s) addressed:	All
Specific problem being mitigated:	Backup power to essential facilities is critical during an emergency event
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	No Action - current problem continues Solar panels: weather dependent and costly. Mobile generator: may lack sufficient power supply or run time.
Action/Project Intended for Implementation	
Description of Selected Action/Project	Installation of generators and backup power required to ensure the building's ability to remain functional during an event.
Mitigation Action Type	SIP
Goals Met	2, 6
Critical Facility (Y/N)	Yes
Benefits (losses avoided)	High
Estimated Cost	High
Priority*	High
Plan for Implementation	
Responsible Organization	Municipality with support from County, NJOEM and FEMA
Local Planning Mechanism	Hazard mitigation, emergency management
Potential Funding Sources	Municipal budget; grant funding
Timeline for Completion	Short; DOF
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: 1/31/18 Status: Combination of Former EV-6 and EV-10;



Action Number:

EV-8

Mitigation Action Name:

Combining efforts of former EV-6 and EV-10. Working on backup power for critical facilities. Specifically, schools listed as shelters within the township EOP.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Continuity of operations; allow critical facilities to remain operational during power outages and provide emergency services to residents
Property Protection	1	Continuity of operations; allow critical facilities to remain operational during power outages
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	
Fiscal	-1	Need funding to complete
Environmental	0	
Social	0	
Administrative	1	
Multi-Hazard	1	All hazards
Timeline	0	
Agency Champion	1	
Other Community Objectives	0	
Total	9	
Priority (H/M/L)	High	



Action Number:

EV-10

Mitigation Action Name:

The Township will promote and support non-structural flood hazard mitigation alternatives for at risk properties within the floodplain, specifically those that have been identified as Repetitive Loss (RL) and Severe Repetitive Loss (SRL). At risk areas include:

- Pelham Road
- Colony Trail
- Briar Court
- Roosevelt Ave

Alternatives would include acquisition/relocation or elevation depending on feasibility, and the completion of initiative is dependent on funding, benefits versus cost, and willing participation of property owners.

Assessing the Risk	
Hazard(s) addressed:	Flood
Specific problem being mitigated:	Repetitively flooded properties place an undue stress on the property owner and Township and efforts should be made to mitigate them.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	No Action - current problem continues Construct flood walls/barriers around vulnerable areas – costly and can divert floodwaters to other areas Deployable flood barriers for vulnerable areas – Requires a great deal of work to implement prior to each event
Action/Project Intended for Implementation	
Description of Selected Action/Project	Work with owners to explore mitigation opportunities for repetitively flooded properties, and if appropriate and feasible, carry out acquisition, relocation, elevation and floodproofing measures to protect these properties.
Mitigation Action Type	SIP
Goals Met	1, 2
Critical Facility (Y/N)	No
Benefits (losses avoided)	High
Estimated Cost	High
Priority*	High
Plan for Implementation	
Responsible Organization	Municipality with support from County
Local Planning Mechanism	Hazard mitigation, emergency management
Potential Funding Sources	Grant funding; Municipal budget
Timeline for Completion	Short
Reporting on Progress	
Date of Status Report/ Report of Progress	Date: 5/31/18 Status: New Action



Action Number:
Mitigation Action Name:

EV-10

The Township will promote and support non-structural flood hazard mitigation alternatives for at risk properties within the floodplain, specifically those that have been identified as Repetitive Loss (RL) and Severe Repetitive Loss (SRL). At risk areas include:

- Pelham Road
- Colony Trail
- Briar Court
- Roosevelt Ave

Alternatives would include acquisition/relocation or elevation depending on feasibility, and the completion of initiative is dependent on funding, benefits versus cost, and willing participation of property owners.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Protect residents from the health impacts flooded homes can have
Property Protection	1	Reduce / eliminate flood damage to homes
Cost-Effectiveness	0	
Technical	1	
Political	1	
Legal	1	
Fiscal	-1	Need funding to complete project
Environmental	0	
Social	0	
Administrative	1	
Multi-Hazard	0	Flood
Timeline	1	
Agency Champion	1	
Other Community Objectives	0	
Total	8	
Priority (H/M/L)	High	