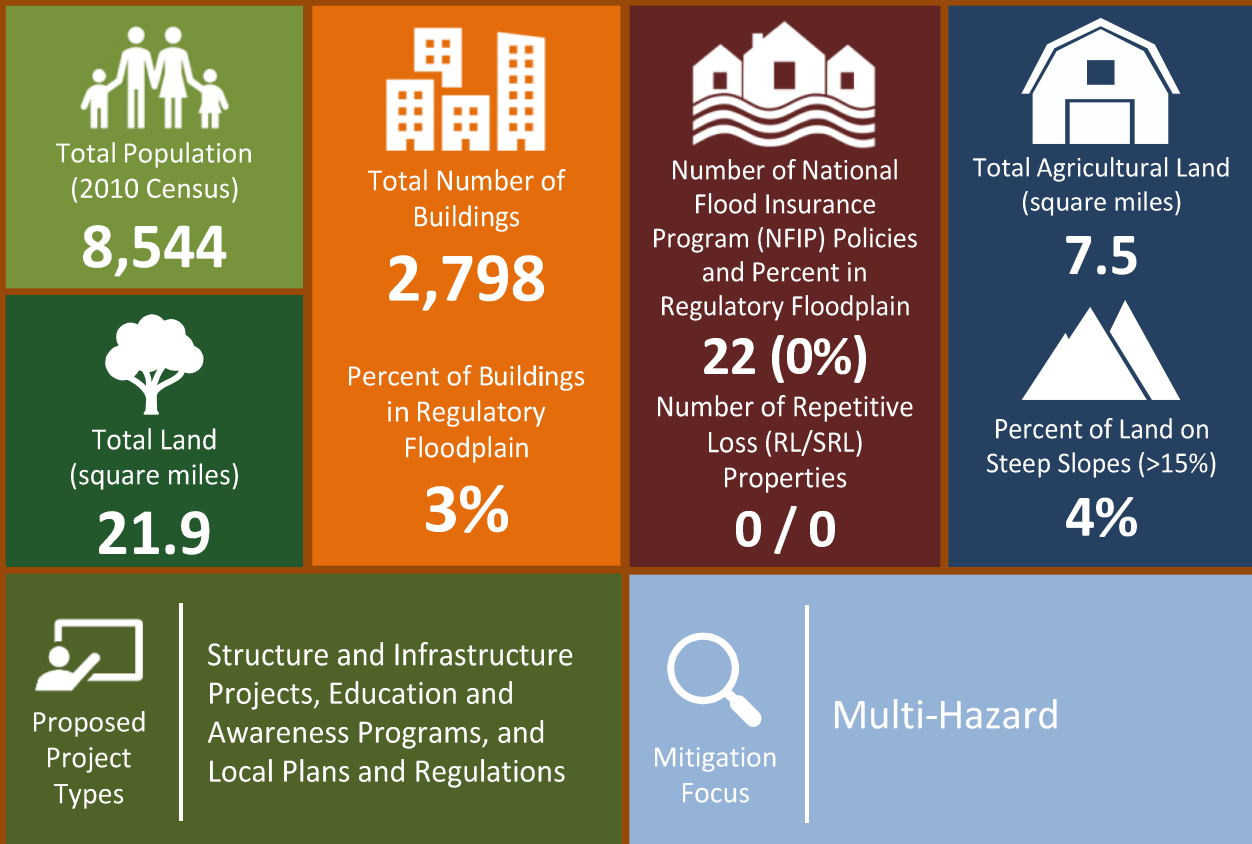
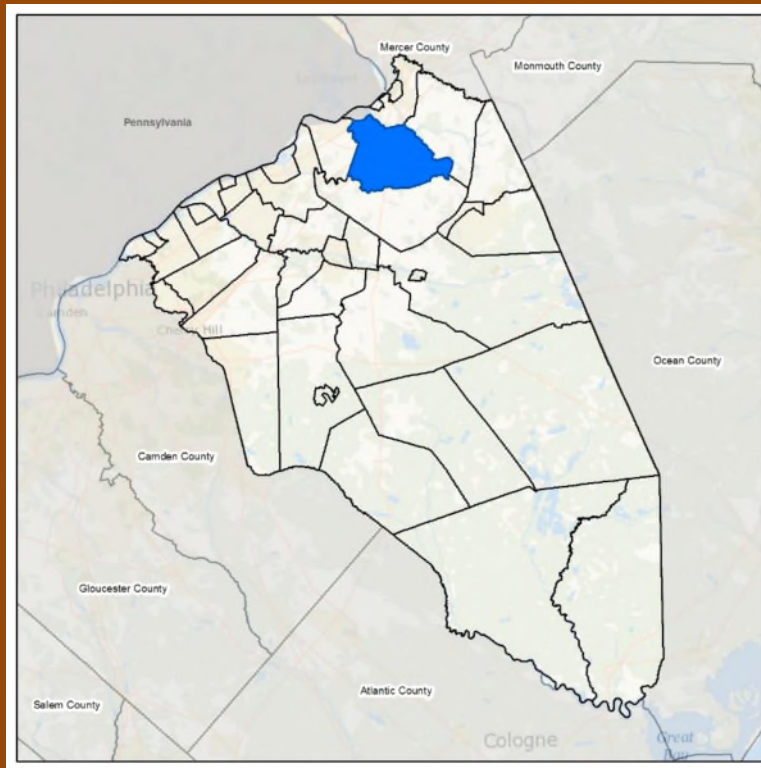




MUNICIPAL ANNEX | Mansfield Township





9.19 Township of Mansfield

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

9.19.1 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
Douglas Borgstrom, Fire Official/EMC 3135 Route 206 South, Suite 1, Columbus, NJ 08022 609.298.5325 ext. 102 fireprevention@mansfieldwp-nj.com	Linda Semus, Municipal Clerk/Registrar 3135 Route 206 South, Suite 1, Columbus, NJ 08022 609.298.0542 ext. 1011 clerk@mansfieldwp-nj.com

9.19.2 Municipal Profile

Mansfield Township is located in the northeast part of Burlington County and is bounded north and northeast by Bordentown Township, northeast by Chesterfield Township, south by Springfield Township and southwest by Florence Township. In all portions there are good roads and accessibility to railroads, shipping and airports affording easy and direct communication with the surrounding centers of population. Its soil is generally sandy loam and it is watered by Bacon's Creek, Assicunk Creek, Kinkora Creek and Craft's Creek. According to the 2010 Census, the community's population was 8,544. The Township had a total area of 29.928 square miles, including 29.815 square miles of land and 0.113 square mile of water.

The Township of Mansfield is governed by the Township form. The governing body consists of an elected five-person committee, each serving alternating three year terms. The mayor is designated to the one of senior term. They hire those who work in the administration, protection and financial departments.

Under the township form, all legislative powers are concentrated in the committee. The committee also has all executive powers not placed in the mayor either by general law or the revised Township act. Additionally, all municipalities under the traditional form may appoint, including the township form, may appoint a municipal administration and “delegate to him all or a portion of the executive responsibilities of the municipality.

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 9.19.8 of this annex which illustrates the hazard areas along with the location of potential new development.

Table 9.19-1. Growth and Development

Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Location (address and/or block/lot)	Known Hazard Zone(s)	Description/Status of Development
Recent Development from 2013 to present					
Legends at Mansfield	Res	12	Belmont Circle; Block 25-Lot 7.09, Block 25.02-Lot 18	None	Complete
Known or Anticipated Development in the Next Five (5) Years					





Property or Development Name	Type (e.g. Res., Comm.)	# of Units / Structures	Location (address and/or block/lot)	Known Hazard Zone(s)	Description/Status of Development
Mansfield Warehousing	Comm	2	Aaronson Rd and Route 206; Block 3-Lot 5.01 and 10.01	Wildfire: High	Preliminary Approval
NFI Vanco Site	Comm	1	Florence-Columbus and Burlington Columbus Rds; Block 4 Lot 2.01, 3.01, and 3.02	Wildfire: High	Preliminary Approval

* Only location-specific hazard zones or vulnerabilities identified.

9.19.3 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 9.19-2. 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	No	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. While the event impacted the entire County, the Township did not experience significant losses or damages.
June 23, 2015	Severe Storm (DR-4231)	Yes	\$10 million in property damage in the County (\$8 million in Medford, \$1 million in Mt Laurel and \$1 million in Medford Lakes). While the event impacted the entire County, the Township did not experience significant losses or damages.
January 22-24, 2016	Severe Winter Storm (DR-4264)	Yes	Heavy snow fell throughout the County; snowfall totals ranged from 12 inches to 16.4 inches. While the event impacted the entire County, the Township did not experience significant losses or damages.

Notes:

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

9.19.4 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 Mansfield. 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 Mansfield.

Table 9.19-3. 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	Occasional	12	Low
Drought	Damage estimate not available.	Frequent	30	Medium
Earthquake	100-Year GBS: \$0 500-Year GBS: \$2,832,634 2,500-Year GBS: \$42,434,668	Occasional	28	Medium
Flood	1% Annual Chance: \$92,363,074	Frequent	18	Medium
Landslide	RCV Exposed to Landslide Hazard Area \$115,664,497	Occasional	12	Low
Severe Storm	100-year MRP: \$923,477 500-year MRP: \$7,898,645 Annualized: \$111,611	Frequent	48	High
Severe Winter Weather	1% GBS: \$22,854,149 5% GBS: \$114,270,744	Frequent	51	High
Wildfire	Estimated Value in the Extreme, Very High, and High Hazard Areas: \$96,584,672	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.

National Flood Insurance Program (NFIP) Summary

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

Table 9.19-4. 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 Mansfield	18	5	\$9,489.05	0	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 9.19-6. 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 not identified any vulnerabilities within their community.

9.19.5 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 Mansfield.

Table 9.19-7. 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	-	Land Use	-
Capital Improvements Plan	No	-	-	-
Floodplain Management / Basin Plan	No	-	-	-
Stormwater Management Plan	Yes	Local	Planning and zoning	Chapter 48





Section 9.19: Township of Mansfield

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.)
Open Space Plan	Yes	Local	Planning board	Master plan
Stream Corridor Management Plan	Yes	Local	Planning and zoning	Chapter 63A
Watershed Management or Protection Plan	No	-	-	-
Economic Development Plan	No	-	-	-
Comprehensive Emergency Management Plan	Yes	Local	OEM	-
Emergency Operation Plan	Yes	Local	OEM	-
Post-Disaster Recovery Plan	Yes	Local	OEM	-
Transportation Plan	No	-	-	-
Strategic Recovery Planning Report	No	-	-	-
Other Plans:	No	-	-	-
Regulatory Capability				
Building Code	Yes	State & Local	Construction Dept	State Uniform Construction Code Act (N.J.S. 52:27D-119 et seq.)
Zoning Ordinance	Yes	Local	Zoning Dept	Chapter 65
Subdivision Ordinance	Yes	Local	Planning Dept	Chapter 50
NFIP Flood Damage Prevention Ordinance	Yes	Federal, State, Local	-	Chapter 22
NFIP: Cumulative Substantial Damages	No	-	-	-
NFIP: Freeboard	Yes	State, Local	-	Chapter 22
Growth Management Ordinances	Yes	Local	Planning Dept	Master Plan
Site Plan Review Requirements	Yes	Local	Planning and Zoning Dept	Master Plan
Stormwater Management Ordinance	Yes	Local	-	Chapter 48
Municipal Separate Storm Sewer System (MS4)	Yes	Local	-	Chapter 44
Stormwater Program Ordinances <ul style="list-style-type: none"> • Pet waste • Litter Control • Improper Disposal of Waste • Wildlife Feeding • Yard Waste Collection • Illicit Connection • Private Storm Drain Retrofitting • Refuse Container / Dumpster (optional) 	Yes	Local	-	Chapter 27A: Littering; Chapter 44 Article I: Disposal to Storm Sewer System, Article II: Illicit Connections to Storm Sewer System, Article III: Retrofitting of Storm Drains, Article IV: Refuse Containers and Dumpsters
Natural Hazard Ordinance	No	-	-	-





Tool / Program (code, ordinance, plan)	Do you have this? (Yes/No) If Yes, date of adoption or update	Authority (local, county, state, federal)	Dept. /Agency Responsible	Code Citation and Comments (Code Chapter, name of plan, explanation of authority, etc.)
Post-Disaster Recovery Ordinance	No	-	-	-
Real Estate Disclosure Requirement	Yes	State	-	-
Other (Special Purpose Ordinances [i.e., sensitive areas, steep slope])	No	-	-	-

Administrative and Technical Capability

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

Table 9.19-8. Administrative and Technical Capabilities

Resources	Is this in place? (Yes or No)	Department/ Agency/Position
Administrative Capability		
Planning Board	Yes	-
Mitigation Planning Committee	No	-
Environmental Board/Commission	Yes	-
Open Space Board/Committee	No	-
Economic Development Commission/Committee	Yes	-
Maintenance programs to reduce risk	No	-
Mutual aid agreements	Yes	-
Technical/Staffing Capability		
Planner(s) or engineer(s) with knowledge of land development and land management practices	Yes	-
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Yes	-
Planners or engineers with an understanding of natural hazards	Yes	-
NFIP Floodplain Administrator (FPA)	Yes	-
Surveyor(s)	No	-
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	Yes	-
Scientist familiar with natural hazards	No	-
Emergency Manager	Yes	Fire Prevention Offices – Doug Borgstrom
Grant writer(s)	No	Engineers
Staff with expertise or training in benefit/cost analysis	No	-
Professionals trained in conducting damage assessments	Yes	Construction Official, Fire Official

Fiscal Capability

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





Table 9.19-9. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use (Yes/No)
Community development Block Grants (CDBG, CDBG-DR)	Yes
Capital improvements project funding	Yes
Authority to levy taxes for specific purposes	Yes
User fees for water, sewer, gas or electric service	Yes
Impact fees for homebuyers or developers of new development/homes	No
Stormwater utility fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	Yes
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	N/A
Other federal or state Funding Programs	Yes
Open Space Acquisition funding programs	No
Other	No

Community Classifications

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

Table 9.19-10. 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	-	-
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	5	2010
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)	N/A	-	-
Public education program/outreach (through website, social media)	Yes	-	-
Public-private partnership initiatives addressing disaster-related issues	Yes	-	-

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 Mansfield’s capability to work in a hazard-mitigation capacity and/or effectively implement hazard mitigation strategies to reduce hazard vulnerabilities.

Table 9.19-11. 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 - Funding		
Community political capability		X	
Community resiliency capability		X	
Capability to integrate mitigation into municipal processes and activities	X - Requires planning		

National Flood Insurance Program

NFIP Floodplain Administrator (FPA)

Linda Semus, Municipal Clerk/Registrar

Flood Vulnerability Summary

The FPA did not note any recent flooded properties or properties in the process of mitigation.

Resources

The FPA assumes the responsibilities of floodplain administration for the Township of Mansfield. All departments are utilized for any areas that fall under their purview. The FPA indicated that the Township provides NFIP administration services and functions to residents by working hand in hand with the County. Any information ascertained by the FPA’s office regarding flood hazards/risk and flood risk reduction through NFIP insurance, mitigation, etc is placed on the municipal website for the public to view. An email notification is sent to all residents who have signed up for the email notification service when new items are placed on the website. The FPA stated there are no barriers to running an effective floodplain management program. The FPA feels adequately supported and trained to fulfill her duties as municipal floodplain administrator, noting that the Township reaches out to the County and State for any questions they need answered. The FPA stated she is not





interested in attending continuing education and certification training on floodplain management if it were offered in the future.

Compliance History

The FPA noted the Township is in good compliance with the NFIP. The most recent Community Assistance Visit took place in 2017.

Regulatory

The Township of Mansfield's floodplain management ordinance meets the minimum set by FEMA and the State of New Jersey. The FPA indicated that there are other local ordinances, plans, or programs that support floodplain management and meeting the NFIP requirements.

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

Hazard Mitigation: The Township of Mansfield actively participated in the 5-year update of the Burlington County Hazard Mitigation Plan. The Township continues to support the implementation, monitoring, maintenance, and updating of the plan.

Master Plan: According to the municipal clerk, natural hazard risk/mitigation are incorporated into the plan as well as safe growth practices.

Continuity of Operations (COOP) Plan: The Township's Continuity of Operations Plan is enacted through the County and integrates mitigation.

Fire Plan: The Township of Mansfield has a Fire Plan that includes a risk assessment/identifies vulnerable areas.

Regulatory and Enforcement (Ordinances)

The Township of Mansfield's codebook can be found online at <https://www.ecode360.com/MA0249?needHash=true>.

Flood Damage Prevention: The purpose of the flood damage prevention ordinance (Chapter 22 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, streets, 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; and
- Ensure that those who occupy the areas of special flood hazard assume responsibility for their actions

Zoning Ordinance: The Township's Zoning Ordinance (Chapter 65 of the municipal code) is designed to effectuate the Mansfield Township Master Plan and to make such regulations substantially consistent with the land use plan element of the Master Plan.

Subdivision of Land Ordinance: The Township's Subdivision of Land Ordinance's (Chapter 50 of the municipal code) is to provide rules, regulations and standards to guide land subdivision in Mansfield Township in order to promote the public health, safety, convenience and general welfare of the municipality. It is administered to ensure the orderly growth and development, the conservation, protection and proper use of land and adequate provisions for circulation, utilities and services.

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 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 http://www.nj.gov/dep/dwq/msrp_home.htm. Mansfield Township is a Tier A municipality.

Stormwater Management: Chapter 48 of the municipal code discusses stormwater management. The chapter is intended to regulate the feeding of wildlife, disposal of waste, including pet solid waste, yard waste collection, litter, and other waste and pollution that may find its way into stormwater runoff in order to improve, preserve and protect the water quality of waters and streams within the Township and surrounding communities that may be downstream from the Township so as to protect the health safety and welfare of the public. This chapter also regulates connections to the municipal separate storm sewer system (MS4) operated by the Township and establishes penalties for violations of the provisions of this chapter.

Operational and Administration

Mutual Aid Agreements: The Township works to create and maintain mutual aid agreements with neighboring communities for continuity of operations.

Floodplain Administrator: The Township promotes the participation of the Floodplain Administrator within the hazard mitigation planning process and other plans and activities.

Planning Board: The Township Planning Board is responsible for hearing and approving development applications that are consistent with existing zoning laws. According to the municipal clerk, the Planning Board reviews the hazard mitigation plan and other analysis to ensure consistent and compatible land use prior to land use, zoning changes, or development permitting and considers low occupancy, low-density zoning in hazard areas when it is practical. The Board also has a permit review process that includes addressing hazards,



incorporates hazard resistant construction standards into the design and location of projects, and recognizes hazard areas as limits on zoning changes.

Zoning Board of Adjustment: The Township Board of Adjustment handles the applications for variation to the land use regulations that are defined by the Township Committee and local laws. If individuals or developers wish to vary from the regulations, approval must be granted by the Board of Adjustment.

Environmental Commission: The Township's Environmental Commission is responsible for monitoring and recommending policies and procedures to the Township Committee that will help to preserve our community's environment.

Funding

The Township of Mansfield has a line item for mitigation project funding in the Municipal/Operating Budget and has provided funding in the past for mitigation projects identified in the hazard mitigation plan through the Capital Improvement Budget.

Education and Outreach

The Township of Mansfield offers training on hazard identification and conducts outreach related to hazards. Outreach on hazards is conducted through various methods.

The Township maintains a municipal website (<http://www.mansfieldtwp-nj.com/>) where they post information regarding upcoming community events, important municipal decisions, and information about the municipality. Residents can sign up for an email list that is used to send email notices about Mansfield Township website updates or other official Township notices such as meeting agendas, event notices, cancellations or supplemental emergency information. The Township also maintains a Facebook page with similar information. The Mansfield Township Police Department runs their own Facebook page and also has a Twitter account.

Burlington County utilizes the Swift911 Emergency Notification system. Swift911 is used in order to keep residents informed during fires, outages, floods, hurricanes, evacuations, road closures and more. All notifications are delivered for the sole purpose of delivering emergency messages and public notifications that are time sensitive in order to increase the safety and security. This service is also extended to the 40 municipalities within Burlington County, including the Township of Mansfield.

Similar to Swift911, the Township utilizes Nixle. Nixle is a messaging service that residents can register for that allows messages to be sent by government agencies to local residents via phone, email, and web. Nixle can be used for emergency or non-emergency situations.

9.19.6 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 9.19-12. 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.
MF-1	Secure and maintain public fire protection water for municipal fire station.	Municipality OEM, Fire Dept.	Complete	1. 100 % complete 2. N/A 3. N/A	1. Discontinue 2. N/A 3. Complete
MF-2	Secure Standby generators for Schools and Community centers	Municipality OEM	In Progress	1. Regional schools 100%, local schools 50% Community centers 0% 2. N/A 3. N/A	1. Include in 2019 HMP 2. Fund Hydock school backup generation 3. Fund Community Center (baseball Bldg. Generation
MF-3	Conduct community outreach for hazard/disaster preparedness	Municipality OEM	In Progress	1. Still providing community outreach and education 2. N/A 3. N/A	1. Include in 2019 HMP 2. no funding needed 3. N/A
MF-4	Acquire small inflatable boat for rescue purposes/ mitigation planning	Municipality OEM, Fire Dept.	No Progress	1. 0 % complete 2. No Funding available 3. N/A	1. Include in 2019 HMP 2. See Table 9.19-13 3. N/A
MF-5	Evaluate benefits of participating in CRS program	Twp. Committee; Planning	No Progress	1. 0% 2. No longer interested 3. N/A	1. Discontinue 2. N/A 3. No longer interested
MF-6	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. Ongoing outreach and training 2. N/A 3. N/A	1. Include in 2019 HMP 2. See table 9.19-13 3. N/A
MF-7	Improve municipal communications systems to include information sharing with county and surrounding municipalities.	Municipality with support from County, NJOEM and FEMA	In Progress	1. Coordination with County OEM 2. N/A 3. N/A	1. Include in 2019 HMP 2. See table 9.19-13 3. N/A
MF-8	Obtain and install backup power sources at critical facilities.	Municipality with support from County, NJOEM and FEMA	In Progress	1. Some schools added backup power, one remains unprotected 2. N/A 3. N/A	1. Include in 2019 HMP 2. Secure funding VIA grant 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.
MF-9	Create/Enhance/Maintain Mutual Aid agreements with neighboring communities for continuity of operations	Municipality with support from County, NJOEM, FEMA and surrounding communities	In Progress	<ol style="list-style-type: none"> 1. 0% 2. N/A 3. N/A 	<ol style="list-style-type: none"> 1. Discontinue 2. N/A 3. Ongoing capability
MF-10	Continue to support the implementation, monitoring, maintenance, and updating of this Plan through participating in the 5 year Plan Update	Municipality with support from Planning Partners, County Planning, NJOEM, FEMA	In Progress	<ol style="list-style-type: none"> 1. In Progress 2. N/A 3. N/A 	<ol style="list-style-type: none"> 1. Discontinue 2. N/A 3. Ongoing capability
MF-11	Promote the participation of Floodplain Administrator within the planning process and other related activities.	Municipality with support from County, NJOEM and FEMA	In Progress	<ol style="list-style-type: none"> 1. In Progress 2. N/A 3. N/A 	<ol style="list-style-type: none"> 1. Discontinue 2. N/A 3. Ongoing capability
MF-12	Enhance resilience to severe storms by joining the NOAA "Storm Ready" program.	Municipality with support from County, NJOEM and FEMA	No Progress	<ol style="list-style-type: none"> 1. 0% 2. N/A 3. N/A 	<ol style="list-style-type: none"> 1. Include in 2019 HMP 2. See table 9.19-13 3. N/A
MF-13	Provide public education and outreach on proper installation and/or use of backup power	Municipal Clerk	In progress	<ol style="list-style-type: none"> 1. In Progress 2. N/A 3. N/A 	<ol style="list-style-type: none"> 1. Include in 2019 HMP 2. See table 9.19-13 3. N/A
MF-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	No Progress	<ol style="list-style-type: none"> 1. 0% 2. No longer a priority 3. N/A 	<ol style="list-style-type: none"> 1. Discontinue 2. N/A 3. No longer a priority





Completed Mitigation Initiatives not Identified in the Previous Mitigation Strategy

The Township of Mansfield 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

Proposed Hazard Mitigation Initiatives for the Plan Update

The Township of Mansfield 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 9.19-13 summarizes the comprehensive-range of specific mitigation initiatives the Township of Mansfield 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 9.19-14 provides a summary of the prioritization of all proposed mitigation initiatives for the Plan update.



Table 9.19-13. Proposed Hazard Mitigation Initiatives

Initiative	Mitigation Initiative	Hazard(s) Mitigated	Goals	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
T. Mansfield – 1 (former MF-2)	Secure Standby generators for Schools and Community centers	All Hazards	1, 6	Municipality OEM	High	High	HMA grants, municipal school budgets	Short Term	High	SIP	ES
T. Mansfield – 2 (former MF-3)	Conduct community outreach for hazard/disaster preparedness	All Hazards	5	Municipality OEM	Medium	Low	Municipal budget	Short Term	High	EAP	PI
T. Mansfield – 3 (former MF-4)	Acquire small inflatable boat for rescue purposes/ mitigation planning	Flooding	1	Municipality OEM with support from Fire Dept	High	Medium	Emergency Management Performance Grants, CDBG, Municipal Budget	Short Term	High	LPR	ES
T. Mansfield – 4 (former MF-6)	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	All Hazards	5	Municipality with support from Planning Partners, County Planning, NJOEM, FEMA	Medium	Medium	Municipal Budget, HMA programs with local or county match	Short Term	High	EAP	PI
T. Mansfield – 5 (former MF-7)	Improve municipal communications systems to include information sharing with county and surrounding municipalities.	All Hazards	3, 6	Municipality with support from County, NJOEM and FEMA	Medium	Medium	Municipal Budget	Short Term	Medium	LPR SIP	ES PR
T. Mansfield – 6 (former MF-8)	Secure grant funding to obtain and install backup power sources at critical facilities.	All Hazards	1, 3, 6	Municipality with support from County, NJOEM and FEMA	Medium	Medium	HMA grants, Municipal Budget	Short Term	Medium	SIP	ES PR
T. Mansfield – 7 (former MF-12)	Enhance resilience to severe storms by joining the NOAA “Storm Ready” program.	Severe Storm	1, 3, 5	Municipality with support from County, NJOEM and FEMA	Medium	Low	Municipal Budget	Short Term DOF	Medium	EAP	PI





Initiative	Mitigation Initiative	Hazard(s) Mitigated	Goals	Lead and Support Agencies	Estimated Benefits	Estimated Cost	Sources of Funding	Timeline	Priority	Mitigation Category	CRS Category
T. Mansfield – 8 (former MF-13)	Provide public education and outreach on proper installation and/or use of backup power	Severe Storm	1, 5, 6	Municipal Clerk	Medium	Low	Municipal Budget	Short Term	High	EAP	PR PI
T. Mansfield – 9	When evaluating development proposals or changes to zoning consider Master Plan policies, Zoning and Subdivision Ordinance standards, existing land uses, environmental impacts, safety, and social and economic consequences, and resident, merchant, and property owner concerns.	All Hazards	1, 2, 3, 4, 5	Municipality	High	Low	Municipal Budget	Short Term DOF	High	LRP	PR

Notes:

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

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

Acronyms and Abbreviations:

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

Potential FEMA HMA Funding Sources:

- FMA Flood Mitigation Assistance Grant Program
- HMGP Hazard Mitigation Grant Program
- PDM Pre-Disaster Mitigation Grant Program
- RFC Repetitive Flood Claims Grant Program (discontinued 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

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:

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:





Costs:

- 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 reappropriation 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:

- 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 9.19-14. 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	Total	High / Medium / Low
T. Mansfield – 1 (former MF-2)	Secure Standby generators for Schools and Community centers	1	0	0	1	1	1	0	0	1	1	1	1	1	1	10	High
T. Mansfield – 2 (former MF-3)	Conduct community outreach for hazard/disaster preparedness	1	1	1	1	1	1	1	1	1	1	1	1	1	0	13	High
T. Mansfield - 3 (former MF-4)	Acquire small inflatable boat for rescue purposes/ mitigation planning	1	0	0	1	1	1	0	0	1	1	1	1	1	1	10	High
T. Mansfield – 4 (former MF-6)	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	1	1	1	1	1	1	1	1	1	1	1	1	1	0	13	High
T. Mansfield – 5 (former MF-7)	Improve municipal communications systems to include information sharing with county and surrounding municipalities.	1	1	0	0	1	0	0	0	1	1	1	1	1	1	9	Medium
T. Mansfield – 6 (former MF-8)	Secure grant funding to obtain and install backup power sources at critical facilities.	1	0	0	1	1	1	0	0	1	1	1	0	1	1	9	Medium
T. Mansfield – 7 (former MF-12)	Enhance resilience to severe storms by joining the NOAA “Storm Ready” program.	1	1	1	1	1	1	1	0	1	1	1	0	1	0	11	High
T. Mansfield – 8 (former MF-13)	Provide public education and outreach on proper installation	1	1	1	1	1	1	1	1	1	1	1	1	1	0	13	High





Table 9.19-14. 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	Total	High / Medium / Low
	and/or use of backup power																
T. Mansfield – 9	When evaluating development proposals or changes to zoning consider Master Plan policies, Zoning and Subdivision Ordinance standards, existing land uses, environmental impacts, safety, and social and economic consequences, and resident, merchant, and property owner concerns.	1	1	0	1	1	1	-1	0	1	1	1	0	1	0	8	Medium

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





9.19.7 Future Needs To Better Understand Risk/Vulnerability

None at this time.

9.19.8 Hazard Area Extent and Location

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

9.19.9 Additional Comments

None at this time.

DRAFT



Figure 9.19-1. Township of Mansfield Hazard Area Extent and Location Map 1

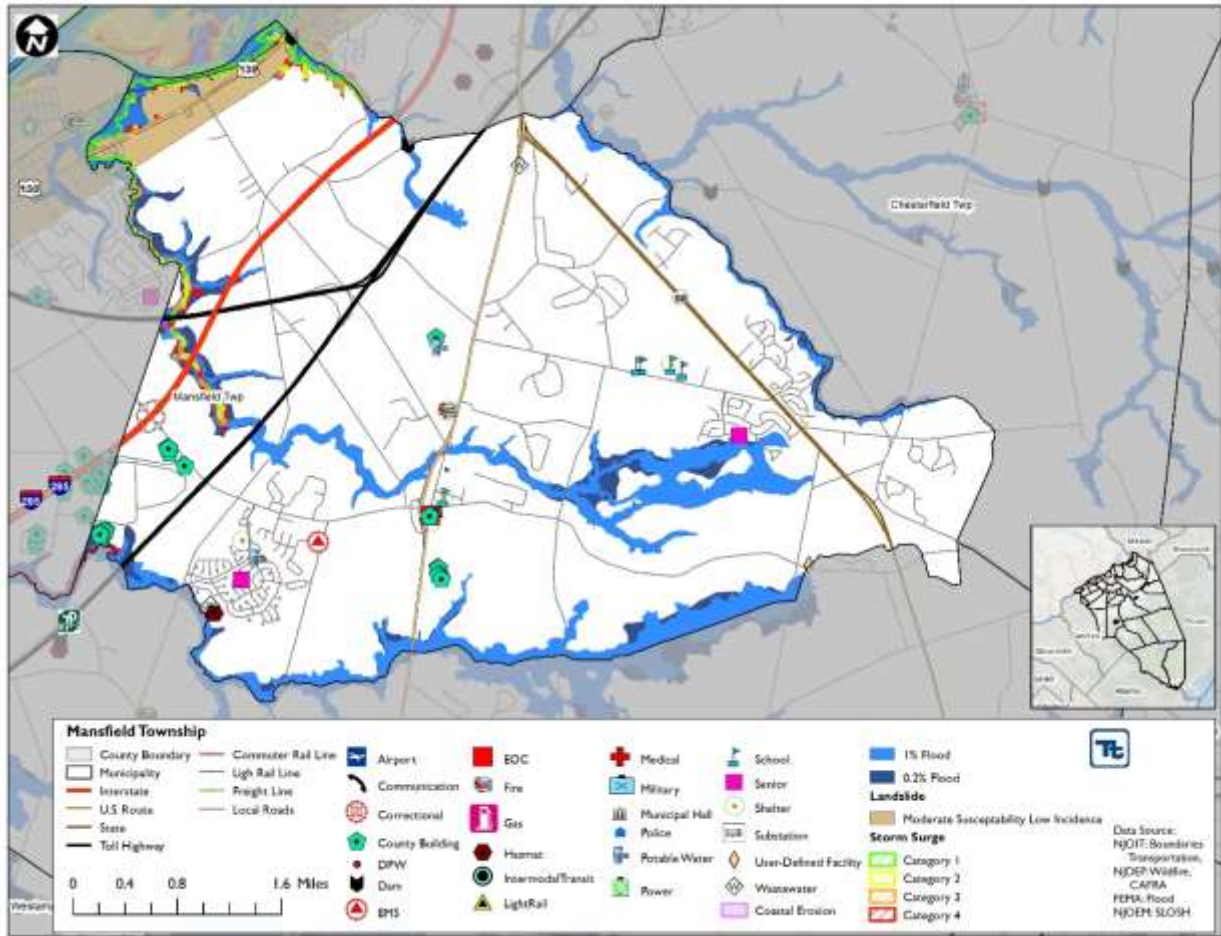
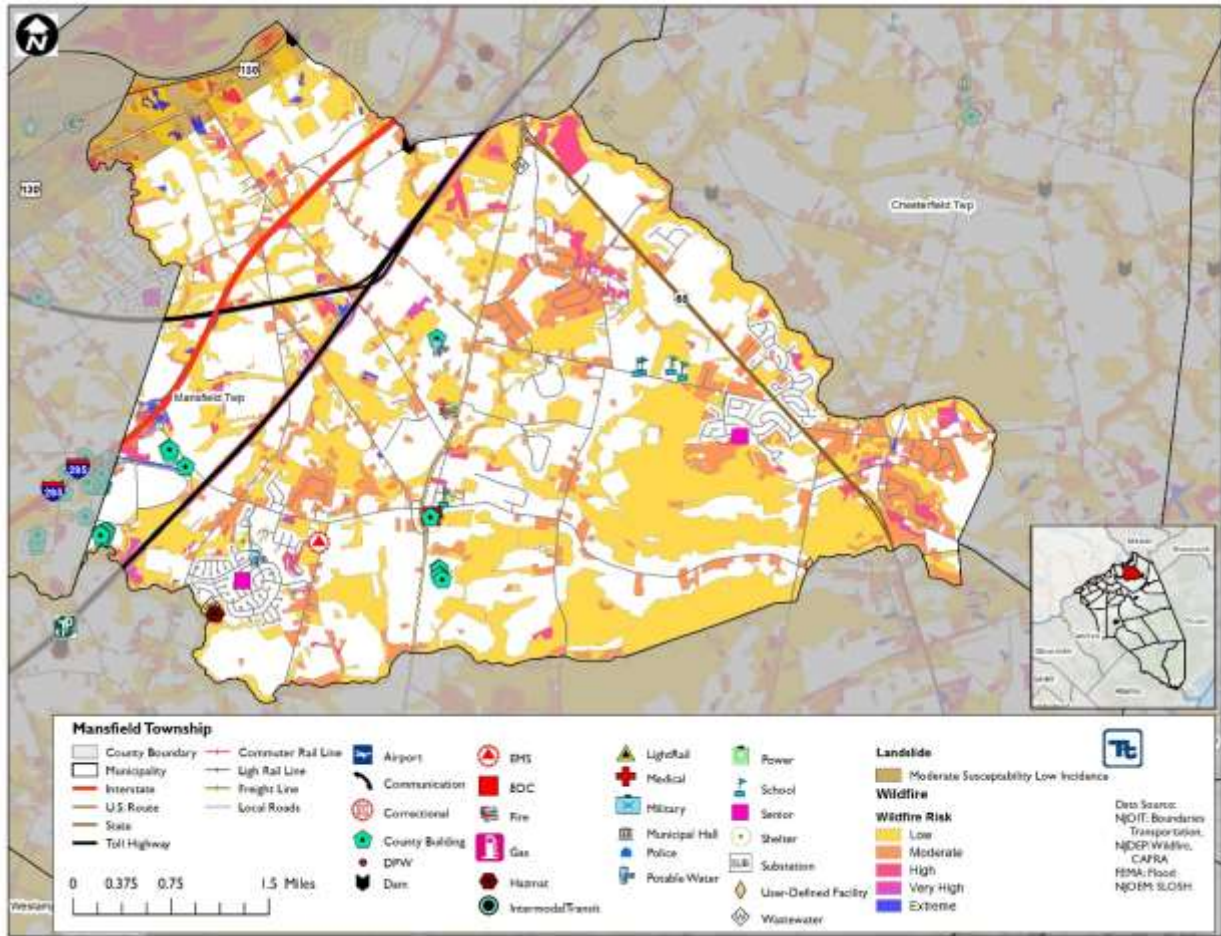




Figure 9.19-2. Township of Mansfield Hazard Area Extent and Location Map 2





Action Number:

T. Mansfield – 1

Mitigation Action/Initiative:

Secure Standby generators for Schools and Community centers

Assessing the Risk	
Hazard(s) addressed:	All Hazards
Specific problem being mitigated:	Schools and Community centers lack backup power sources
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
Action/Project Intended for Implementation	
Description of Selected Action/Project	Backup power sources (generators) will be purchased and installed for Mansfield schools and community centers to ensure continued power during power outages.
Action/Project Category	SIP
Goals Met	1, 6
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	High
Estimated Cost	High
Priority*	High
Plan for Implementation	
Responsible Organization	Municipality OEM
Local Planning Mechanism	Hazard mitigation planning, emergency management planning
Potential Funding Sources	HMA grants, municipal school budgets
Timeline for Completion	Short Term
Reporting on Progress	
Date of Status Report/ Report of Progress	



Action Number: T. Mansfield – 1

Mitigation Action/Initiative: Secure Standby generators for Schools and Community centers

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	0	
Cost-Effectiveness	0	
Technical	1	
Political	1	
Legal	1	
Fiscal	0	
Environmental	0	
Social	1	
Administrative		
Multi-Hazard	1	
Timeline	1	
Agency Champion	1	
Other Community Objectives	1	
Total	10	
Priority (High/Med/Low)	High	





Action Number:

T. Mansfield – 3

Mitigation Action/Initiative:

Acquire small inflatable boat for rescue purposes/ mitigation planning

Assessing the Risk	
Hazard(s) addressed:	Flooding
Specific problem being mitigated:	Municipal response lacks boat for rescue during flooding.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	No action: Current problem continues. Form agreement with neighboring towns to use their boats: May not be available when needed
Action/Project Intended for Implementation	
Description of Selected Action/Project	The Township will acquire a small inflatable boat for rescue purposes and mitigation planning. If necessary, a trailer will be purchased as well.
Action/Project Category	LPR
Goals Met	1
Applies to existing and or new development, or not applicable	N/A
Benefits (losses avoided)	High
Estimated Cost	Medium
Priority*	High
Plan for Implementation	
Responsible Organization	Municipality OEM, Fire Department
Local Planning Mechanism	Emergency management planning
Potential Funding Sources	Emergency Management Performance Grants, CDBG, Municipal Budget
Timeline for Completion	Short Term
Reporting on Progress	
Date of Status Report/ Report of Progress	



Action Number: T. Mansfield – 3

Mitigation Action/Initiative: Acquire small inflatable boat for rescue purposes/ mitigation planning

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	0	
Cost-Effectiveness	0	
Technical	1	
Political	1	
Legal	1	
Fiscal	0	
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	1	
Timeline	1	
Agency Champion	1	
Other Community Objectives	1	
Total	10	
Priority (High/Med/Low)	High	



Action Number:

T. Mansfield - 6

Mitigation Action/Initiative:

Secure grant funding to obtain and install backup power sources at critical facilities.

Assessing the Risk	
Hazard(s) addressed:	All Hazards
Specific problem being mitigated:	Critical facilities lack backup power sources.
Evaluation of Potential Actions/Projects	
Actions/Projects Considered (name of project and reason for not selecting):	No action: Current problem continues Solar panels: Costly, weather dependent.
Action/Project Intended for Implementation	
Description of Selected Action/Project	The Township will secure grant funding to obtain and install back up power sources (generators) at critical facilities to ensure continuation of critical functions during power outages.
Action/Project Category	SIP
Goals Met	1, 3, 6
Applies to existing and or new development, or not applicable	Existing
Benefits (losses avoided)	Medium
Estimated Cost	Medium
Priority*	Medium
Plan for Implementation	
Responsible Organization	Municipality with support from County, NJOEM and FEMA
Local Planning Mechanism	Hazard mitigation planning, emergency management planning.
Potential Funding Sources	HMA grants, Municipal budget
Timeline for Completion	Short Term
Reporting on Progress	
Date of Status Report/ Report of Progress	



Action Number: T. Mansfield - 6

Mitigation Action/Initiative: Secure grant funding to obtain and install backup power sources at critical facilities.

Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	0	
Cost-Effectiveness	0	
Technical	1	
Political	1	
Legal	1	
Fiscal	0	
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	1	
Timeline	0	
Agency Champion	1	
Other Community Objectives	1	
Total	9	
Priority (High/Med/Low)	Medium	