

9.14 TOWNSHIP OF HARDING

This section presents the jurisdictional annex for the Township of Harding. The annex includes a general overview of the Township of Harding; an assessment of the Township of Harding's risk, vulnerability, and mitigation capabilities; and a prioritized action plan to implement prior to a disaster to reduce future losses and achieve greater resilience to natural hazards.

9.14.1 Hazard Mitigation Planning Team

The following individuals are the Township of Harding's identified HMP update primary and alternate points of contact and NFIP Floodplain Administrator.

Table 9.14-1. Hazard Mitigation Planning Team

Primary Point of Contact	Alternate Point of Contact
Name / Title: Lorene K. Wright, Assistant Administrator	Name / Title: Robert Falzarano, Administrator
Address: 21 Blue Mill Rd, PO Box 666, New Vernon, NJ	Address: 21 Blue Mill Rd, PO Box 666, New Vernon, NJ 07976
07976	Phone Number: 973-267-8000, ext. 1917
Phone Number: 973-267-8000, ext. 1988	Email: rfalzarano@hardingnj.org
Email: lwright@hardingnj.org	
NFIP Floodplain Administrator	

Name / Title: Paul Fox, Township Engineer

Address: 21 Blue Mill Rd, PO Box 666, New Vernon, NJ 07976

Phone Number: 908-234-1086 Email: pfox@apgarassociates.com

9.14.2 Jurisdiction Profile

The Township of Harding is located in southeastern Morris County. The Township encompasses approximately 21 square miles and is bordered by the Township of Morris to the north, the Township of Chatham to the east, the Township of Long Hill to the south, and the Townships of Bernards and Mendham and the Borough of Bernardsville to the west. There are two unincorporated communities in the Township: a portion of Green Village and New Vernon. The major bodies of water in the Township include the Passaic River, Great Brook, tributary to Great Brook, the Great Swamp, and Primrose Brook.

According to the U.S. Census, the 2010 population for the Township of Harding was 3,838. The estimated 2017 population was 3,887, a 1.3% increase from the 2010 Census. Data from the 2017 U.S. Census American Community Survey indicate that 4.2% of the population is 5 years of age or younger and 25.2% is 65 years of age or older. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.

9.14.3 Growth/Development Trends

Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to understanding a jurisdiction's overall risk to its hazards of concern. Table 9.14-2 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development. Figures 9.14-1 and 9.14-2 at the end of this annex illustrate the geographically delineated hazard areas and the location of potential new development.



T 6					
Type of	2015	2016	2017	2010	2010
Development	2015	2016	2017	2018	2019
Numb	er of Building Pern	nits for New Consti	ruction Issued Sinc	e the Previous HMP	
Single Family	7	7	4	8	4
Multi-Family	0	0	0	0	0
Other (commercial, mixed-use, etc.)	0	0	0	0	0
Property or Development Name	Type of Development	# of Units / Structures	Location (address and/or block and lot)	Known Hazard Zone(s)*	Description / Status of Development
Recent Major Development and Infrastructure from 2015 to Present					
None					
Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years					
Senior Residents	Mixed-Use	250 Units	Unknown yet	-	Concept
Senior Residents CPNJ	Mixed-Use Group Home	250 Units 1	Unknown yet Unknown yet	-	Concept Concept

Table 9.14-2. Recent and Expected Future Development

9.14.4 Capability Assessment

The Township of Harding performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Section 5 (Capability Assessment) describes the components included in the capability assessment and their significance for hazard mitigation planning. This section summarizes the following findings of the assessment:

- An assessment of legal and regulatory capabilities.
- Development and permitting capabilities.
- An assessment of fiscal capabilities.
- An assessment of education and outreach capabilities.
- Information on National Flood Insurance Program (NFIP) compliance.
- Classification under various community mitigation programs.
- The community's adaptive capacity for the impacts of climate change.

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, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress in plan integration. Areas with current mitigation integration are summarized below. The Township of Harding identified specific integration activities that will be incorporated into municipal procedures are included in the updated mitigation strategy.

PLANNING, LEGAL AND REGULATORY CAPABILITY

The table below summarizes the legal and regulatory tools that are available to the Township of Harding and where hazard mitigation has been integrated.

^{*} Only location-specific hazard zones or vulnerabilities identified.



Table 9.14-3. Planning, Legal and Regulatory Capability

Legal and Regulatory Capability					
		Authority that			been integrated? yes- how?
	Do you have this? (Yes/No)	enforces (Federal, State, Regional, County, Local)	State Mandated/Allowed	If yes- how? Describe in comments	If no - can it be a mitigation action? If yes, add Mitigation Action #.
Codes, Ordinances, & Red	quirements				
Building Code	Yes	Local and State	Yes	No	No
Comment: State mandate	ed on local level	under NJAC 5:23-3.	14. International Building	Code – New Jer	sey Edition, 2018, NJAC
5:24-3.14 Adopted 9/3/20	019. State Unifo	rm Construction Co	ode Act (N.J.S. 52:27D-119	et seq.)	
Zoning Code	Yes	Local and State	Yes	No	No
			unicipal Land Use Law (ML current zoning and other l		
			er plan. Enforced by Plann		
Subdivisions	Yes	Local	Yes	No	No
Comment: D.I. 1075 c 20	 1	 - 10:55D_27	of nower: referral of prop	_	-
Comment: P.L.1975, c.291 (C.40:55D-47): 40:55D-37. Grant of power; referral of proposed ordinance; county planning board approval. Dictated by the Municipal Land Use Law. NJ Statute 40:27-6.2 The board of freeholders of any county having a county planning board shall provide for the review of all subdivisions of land within the county by said county planning board and for the approval of those subdivisions affecting county road or drainage facilities as set forth and limited hereinafter in this section. Enforced by Planning Board, Article VXIII-225-60.					
Stormwater Management	Yes	State and Local	Yes	No	No
-	he NJ Administr	ative Code. N.J.A.C.	7:8. Enforced by Planning	_	
Post-Disaster Recovery	No	_	No	_	
Comment:	110		110		
Real Estate Disclosure	Yes	State	Yes	No	No
			nust receive a New Jersey		
	sey Real Estate (any hazards, ris	Commission. The PC	OS provides information su	ch as proximity t	to hospitals, schools,
Growth Management	No	Local and State	Yes, if have planning board	-	-
Comment: State Mandate	ed on a municip	al level. See Zoning	Ordinance. Plan Endorsen	nent Process via	the State Development
& Redevelopment Plan pr	ovides for the d	elineation of Growt	th Areas and Environs; Use	of the endorsed	plans in the
		egulations makes t	he Plan Endorsement proc	ess a growth ma	nagement strategy.
Shoreline Development		-	No	-	-
Comment: NJ Coastal Are					
activities including constr			-		
protection structures, and	d site preparatio	n. This law is imple	mented through NJ's Coas	ital Zone Manag	ement Rules N.J.A.C.
7:7E-1 et seq.		1		ı	4
Site Plan Review	Yes	Local	Yes	No	No
Comment: Dictated by the Municipal Land Use Law which sets forth minimum requirements for plans, etc., timeframes for development review. NJ Statute 40:27-6.2: The board of freeholders of any county having a county planning board shall provide for the review of all subdivisions of land within the county by county planning board and for the approval of those subdivisions affecting county road or drainage facilities. 40:27-6.10: Each municipal clerk shall file with the county planning board a copy of the planning and zoning ordinances of the municipality and shall notify the county planning board of the introduction of any revision or amendment of such an ordinance which affects lands adjoining county roads or other county lands, or lands lying within 200 feet of a municipal boundary, or proposed facilities or public lands shown on the county					
master plan or official county map. Enforced by Planning Board, Article XVI-225-77 & 90.					



		Legal and Reg	gulatory Capability		
					been integrated?
		Authority that		If	yes- how?
		enforces			If no - can it be a
	Do you	(Federal, State,		If yes- how?	mitigation action? If
	have this?	Regional,	State	Describe in	yes, add Mitigation
	(Yes/No)	County, Local)	Mandated/Allowed	comments	Action #.
Environmental	V	State, County,	NI-		
Protection	Yes	Local	No	-	-
Comment: The rules that	are utilized by ti	he NJ Department o	of Environmental Protection	on and other env	ironmental agencies
are codified at Title 7 of ti					
Environmental Protection					•
Flood Damage	V	Federal, State,	NI-		
Prevention	Yes	and Local	No	No	Yes
Comment: The NJ State Lo	aw Flood Area C	ontrol Act (N.J.S.A.	58:16A-52) and the Natio	nal Flood Contro	Act of 1968 (NFIP) are
state and federal acts to s					
NJDEP, the floodplain ord					
participation in the NFIP r					
administrative agency an	d map designati	ion. 2020-Harding-	004.		
Wellhead Protection	No	-	No	-	-
Comment: Delineation of	well head prote	ction areas (WHPA	s) is part of the NJ-approv	ed 1991 well hed	nd protection plan
(WHPP) for public commu					
contamination. Municipal					
areas, the potential for gr		_			
Use Law, N.J.S.A. 40:55D-					
adequate drinking water					
Emergency					
Management	No	-	No	_	_
Comment: Per the NJ Civil	lian Defense and	d Disaster Control A	ct (App.A:9 43.2) Countie	es and municipali	ities must have written
Emergency Operations Pla	-				
Climate Change	No	_	No	_	_
Comment:					
Disaster Recovery					
Ordinance	No	-	No		
Comment:				_	
Disaster			.,		
Reconstruction	No	-	No		
Ordinance				-	-
Comment:		T		ı	1
Other: Steep Slopes	Yes	Local	No	No	No
Comment: Chapter 225, P	Part 2, Article XV	'III Steep Slopes.			
Planning Documents					
	.,		V		
Master Plan	Yes	Local	Yes	No	No
Comment: Per NISA: Yes	if plannina hoar	rd (40:55D-28) and	must be re-examined ever		
Comment: Per NJSA: Yes, if planning board (40:55D-28) and must be re-examined every ten years (40:55D-89.1); Enforced by Planning Board. Adopted December 17, 1984 with amendments through November 27, 2017.					
Capital Improvement			_		
Plan	Yes	Local	Allowed	No	No
Comment: Per NJSA 40:55	D-29) the aove	rning bodv is autho	rized to direct the plannin		-
six-year planning horizon.	_			J 11 1 10 p. 3p.	
Disaster Debris					
Management Plan	Yes	Local	Yes	No	No
Comment: Annex to Emer	aency Manaaer	nent Plan		-	1 ⁻
Floodplain or	geney manager				
Watershed Plan	Yes	Local	No	No	No
	Pagional Water	shad Dlan Cilvar Dr.	ook Watershed Dlan Dess	_	
Comment: Great Swamp Regional Watershed Plan, Silver Brook Watershed Plan, Passaic River Watershed Plan					



		Legal and Reg	gulatory Capability		
				Has this	been integrated?
		Authority that		If	yes- how?
		enforces			If no - can it be a
	Do you	(Federal, State,		If yes- how?	mitigation action? If
	have this?	Regional,	State	Describe in	yes, add Mitigation
	(Yes/No)	County, Local)	Mandated/Allowed	comments	Action #.
Stormwater			-		
Management Plan	Yes	Local	Yes	No	No
Comment: Per NJDEP Stor	rm Water Mana	gement Rule (N.J.A	.C. 7:8, et seq.). The Munic	cipal Stormwater	Regulation Program
was developed in respons	se to the U.S. En	vironmental Protec	ction Agency's (USEPA) Pho	ase II rules publis	shed in December
			ruary 2, 2004 and four (4)		
			as well as public complex		_
			s (MS4s). Enforced by Plai	nning Board, Ma	ster Plan Stormwater
Management Plan Eleme	nt July 25, 2005.				T
Stormwater Pollution	No	Local	No		
Prevention Plan				-	
	Nater Managen	ient Rules do not re	equire a Tier B municipaliti	es to develop a S	stormwater Pollution
Prevention Plan.					<u> </u>
Urban Water	No	-	No		
Management Plan	C D			-	-
Comment: Not Applicable	e – State Plannin	g Area 5			T
Habitat Conservation	No	-	No		
Plan					-
·	i conservation p	lan element in mas	ter plan per NJSA 40:5D-28	8b (8).	T
Economic	No	-	No		
Development Plan					-
			Economic Development Ele		
	abiish Economic	c Development Con	nmission that can facilitate	e incentive progr	ams (Jaçaae programs,
low-interest loans, etc.)					<u> </u>
Shoreline Management Plan	No	-	No	_	
Comment:					
Community Wildfire					
Protection Plan	No	-	No	_	_
Comment:					
Community Forest					
Management Plan	No	-	No	_	_
	ditation for cou	nty and municinalit	ies for reduction of liabilit	v New Iersev Hr	han and Community
Forestry Program (NJUCF)	-	nty and mamerpant	ies for reduction of habine	y, ivew sersey or	ban and commanity
Transportation Plan	No	_	No	_	-
Comment:	110		110		
Agriculture Plan	No		No		
		rustion plan alama	nt per NJSA 40:5D-28b (13		-
	1	Tvation plan eleme	·	o).	
Climate Action Plan	No	-	No	- 	- D 201- (4.6)
		ana environmentai	sustainability plan elemei	nt per NJSA 40:51	D-28b (16). T
Tourism Plan	No	-	No	-	-
Comment:					T
Business Development	No	_	No		
Plan	1,0		1,0	-	-
Comment:					T
Other: Shade Tree	Yes	Local	Allowed		
Advisory Committee				No	No
			parks: Except as hereinaf		
commission may exercise	commission may exercise exclusive control over the regulation, planting and care of shade and ornamental trees and				ental trees and



Legal and Regulatory Capability					
		Legar and Reg	Guiatory Capability	Has this b	peen integrated?
		Authority that		If	yes- how?
		enforces			If no - can it be a
	Do you	(Federal, State,		If yes- how?	mitigation action? If
	have this?	Regional,	State	Describe in	yes, add Mitigation
	(Yes/No)	County, Local)	Mandated/Allowed	comments	Action #.
shrubbery now situate or	which may here	after be planted in	any public highway, park	or parkway of th	ne county, including: a.
The planting, trimming, sp	oraying, care an	d protection therec	of; b. The regulation and co	ontrol of the use	of the ground
surrounding the same so	far as may be ne	ecessary for their pr	roper growth, care and pro	otection; c. The m	noving or requiring the
removal of any tree or pa	rt thereof, dang	erous to public safe	ety; d. The care and contro	ol of the parks and	d parkways; e. The
encouragement of arboric	culture. Amende	ed by L.1958, c. 41,	p. 132, s. 2, eff. May 20, 1	1958.	
Other - Historic					
Preservation	Yes	Local	Allowed		
Commission				No	No
Comment: 40:32-6. Acqui	•	•			. ,
purchase, any real estate	•				
for historical purposes, or		of preserving there	ein or thereon historical de	ata and objects o	f historical interest.
Response/Recovery Plan	ning				
Emergency Operations Plan (EOP)	Yes	Local	Yes	No	-
Comment: Per the NJ Civilian Defense and Disaster Control Act (App.A:9_43.2) Counties and municipalities must have written					
Emergency Operations Plans to be reviewed every 2 years. Harding Township Emergency Guide. October 2018. http://www.hardingnj.org/filestorage/75/Harding_Twp_NJ_OEM_Booklet_2018_WEB.pdf					
	g/filestorage/75	/Harding_Twp_NJ_	OEM_Booklet_2018_WE	B. <i>pdf</i>	
Threat & Hazard					
Identification & Risk	No	-	No	-	-
Assessment (THIRA)					
Comment:				Γ	
Post-Disaster Recovery	Yes	Local	No		
Plan		- /- /		No	-
•	Comment: Enforced by OEMC, EOP. Yes, 12/3/2013				
Continuity of Operations Plan	No	-	No	-	-
Comment:					
Public Health Plan	No	_	No	_	_
Comment:	INO	-	INO	-	-
Other	No		No	_	-
	INU	-	INU	-	<u> </u>
Comment:					

Table 9.14-4. Development and Permitting Capability

Criterion	Response
Does your jurisdiction issue development permits?	Yes
- If no, who does? If yes, which department?	Zoning Officer/Planning Board
Does your jurisdiction have the ability to track permits by hazard area?	Yes
Does your jurisdiction have a buildable lands inventory? -If yes, please describe brieflyIf no, please quantitatively describe the level of buildout in the jurisdiction.	Yes Included in the County's wastewater management plan.

ADMINISTRATIVE AND TECHNICAL CAPABILITY

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





Table 9.14-5. Administrative and Technical Capabilities

Staff/Personnel Resource	Available?	Department/Agency/Position
Administrative Capability		
Planning Board	Yes	Planning Board
Mitigation Planning Committee	Yes	Township Engineer
Environmental Board / Commission	Yes	Environmental Commission, Shade Tree Advisory Committee, Historic Preservation Commission
Open Space Board / Committee	Yes	Land Trust
Economic Development Commission / Committee	Yes	Planning Board
Warning Systems / Services (reverse 911, outdoor warning signals)	Yes	AlertHarding; Outdoor Warning
Maintenance program to reduce risk	Yes	DPW
Mutual aid agreements	Yes	Police
Technical/Staffing Capability		
Planners or engineers with knowledge of land development and land management practices	Yes	Engineer/Planning Board Contractor
Engineers or professionals trained in building or infrastructure construction practices	Yes	Construction Code Official
Planners or engineers with an understanding of natural hazards	Yes	Engineering
Staff with training in benefit/cost analysis	Yes	CFO
Staff with training in green infrastructure	Yes	Engineering
Staff with education/knowledge/training in low impact development	Yes	Engineering
Surveyor	Yes	Engineering
Stormwater engineer	Yes	Engineering
Personnel skilled or trained in GIS applications	Yes	IT
Local or state water quality professional	Yes	New Jersey Highlands Council
Scientist familiar with natural hazards in local area	No	-
Emergency manager	Yes	OEMC
Watershed planner	Yes	Engineer
Environmental specialist	Yes	Engineer/Health
Grant writers	Yes	Business Administrator and Chief of Police/OEMC
Resilience Officer	No	-
Other – Damage Assessment	Yes	Township Engineer

FISCAL CAPABILITY

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



Table 9.14-6. Fiscal Capabilities

Financial Resource	Accessible or Eligible to Use?
Community Development Block Grants (CDBG, CDBG-DR)	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	Yes – Open Space
User Fees for Water, Sewer, Gas or Electric Service	Yes
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	Yes
State-Sponsored Grant Programs	Hazard Mitigation Grant Program
Development Impact Fees for Homebuyers or Developers	No
Clean Water Act 319 Grants (Nonpoint Source Pollution)	No
Other	No

EDUCATION AND OUTREACH CAPABILITY

The table below summarizes the education and outreach resources available to the Township of Harding.

Table 9.14-7. Education and Outreach Capabilities

Criterion	Response
Do you have a public information officer or communications office?	Yes
Do you have personnel skilled or trained in website development?	Yes
Do you have hazard mitigation information available on your website? • If yes, briefly describe.	Yes – Links to Morris County OEM
Do you use social media for hazard mitigation education and outreach? • If yes, briefly describe.	Yes – Township: Facebook PD: Facebook, Twitter, Instagram
Do you have any citizen boards or commissions that address issues related to hazard mitigation? • If yes, briefly describe.	Yes – OEM Council
Do you have any other programs already in place that could be used to communicate hazard-related information? • If yes, briefly describe.	Yes – Township Webpage/Social Media
Do you have any established warning systems for hazard events? • If yes, briefly describe.	Yes – Social Media, Electronic Messaging system, Township webpage

COMMUNITY CLASSIFICATIONS

The table below summarizes the classifications for community programs available to the Township of Harding.

Table 9.14-8. Community Classifications

Program	Participating?	Classification	Date Classified
Community Rating System	No	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	Yes	Class 3	2018
Public Protection (Fire ISO Protection Class)	Yes	Class 5	2012
Storm Ready Certification	No	-	-
Firewise Community Classification	No	-	-
Sustainable Jersey	No		



ADAPTIVE CAPACITY

Adaptive capacity is defined as "the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or respond to consequences" (IPCC 2014). In other words, it describes a jurisdiction's current ability to adjust to, protect from, or withstand a hazard event. This term is often discussed in reference to climate change; however, adaptive capacity also includes an understanding of local capacity for adapting to current and future risks and changing conditions. The table below summarizes the adaptive capacity for each hazard and the jurisdiction's rating. The Township has access to resources to determine the possible impacts of climate change upon the municipality. The administration is supportive of integrating climate change in policies or actions. Climate change is not currently being integrated into policies/plans or actions (projects/monitoring) within the municipality.

Table 9.14-9. Adaptive Capacity

Hazard	Adaptive Capacity (Capabilities) - High/Medium/Low
Dam Failure	Medium
Disease Outbreak	Medium
Drought	Low
Earthquake	Medium
Extreme Temperature	Medium
Flood	Medium
Geological Hazards	Low
Harmful Algal Bloom	Low
Hazardous Substances	Medium
Infestation	Low
Severe Weather	Medium
Severe Winter Weather	Medium
Wildfire	Low

NATIONAL FLOOD INSURANCE PROGRAM

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

Table 9.14-10. National Flood Insurance Program Compliance

Criterion	Response
What local department is responsible for floodplain management?	Zoning and Engineering
Who is your floodplain administrator? (name, department/position)	Harding Township Planning Board – Engineer
Are any certified floodplain managers on staff in your jurisdiction?	Yes
What is the date that your flood damage prevention ordinance was last amended?	11-28-2001
Does your floodplain management program meet or exceed minimum requirements? • If exceeds, in what ways?	Meets
When was the most recent Community Assistance Visit or Community Assistance Contact?	02-26-1993
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? • If so, state what they are.	No



Criterion	Response
Are any RiskMAP projects currently underway in your jurisdiction? • If so, state what they are.	Township was included in the Hackensack-Passaic Watershed, 02030103 Flood Risk Report. Morris County FEMA maps are preliminary.
Do your flood hazard maps adequately address the flood risk within your jurisdiction? • If no, state why.	Yes
Does your floodplain management staff need any assistance or training to support its floodplain management program?	No
• If so, what type of assistance/training is needed?	n/a
 Does your jurisdiction participate in the Community Rating System (CRS)? If yes, is your jurisdiction interested in improving its CRS Classification? If no, is your jurisdiction interested in joining the CRS program? 	No
How many flood insurance policies are in force in your jurisdiction?* • What is the insurance in force?	42 \$13,667,700
What is the premium in force?	\$59,725
How many total loss claims have been filed in your jurisdiction?* • How many claims are still open or were closed without payment? • What were the total payments for losses?	13 3 \$240,098
Do you maintain a list of properties that have been damaged by flooding?	No
Do you maintain a list of property owners interested in flood mitigation?	No

^{*}According to FEMA statistics as of 2018 and HUD-Ex 2020.

ADDITIONAL AREAS OF EXISTING INTEGRATION

In the performance period since adoption of the 2015 HMP, the Township of Harding made progress on integrating hazard mitigation into other initiatives. The following plans and programs currently integrate components of the HMP and strategy:

The Township of Harding website identifies addresses in the floodways:
 http://www.hardingnj.org/filestorage/1068/164/Harding_Township_Addresses_SFHA.pdf.

9.14.5 Hazard Event History Specific to the Jurisdiction

Morris County has a history of hazard events, as detailed in Section 4 (Risk Assessment) of this plan. A summary of historical events is provided in each of the hazard profiles in Section 4.4 (Hazard Profiles) and includes a chronology of events that affected Morris County and its jurisdictions. The Township of Harding's history of federally-declared (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Morris County. Table 9.14-11 provides details regarding municipal-specific loss and damages the Township of Harding experienced during hazard events. Information provided in the table below is based on reference material or local sources.

Table 9.14-11. Hazard Event History

Date(s) of Event	Event Type (disaster declaration if applicable)	Morris County Designated?	Summary of Event	Summary of Local Damages and Losses
January 21-24, 2016	Severe Winter Storm and Snowstorm (DR-4264)	Yes	An impulse from the west coast traversed the midsection of the country, then developed into a low-pressure system as it tracked	The Township experienced significant tree and utility damages.





Date(s) of Event	Event Type (disaster declaration if applicable)	Morris County Designated?	Summary of Event	Summary of Local Damages and Losses
			across the Gulf States before intensifying along the Carolina coast into a major nor'easter, producing record snowfall in parts of New Jersey on January 23rd. It then moved out to sea after passing by the mid-Atlantic coast early on January 24th. Wind gusts up to 60 MPH produced blizzard conditions as visibilities dropped to one-quarter mile or less in spots.	
March 6-7, 2018	Severe Winter Storm and Snowstorm (DR-4368)	Yes	Precipitation gradually overspread the region during the overnight hours of March 6th to the 7th. 12 to 24 inches were observed across large parts of Morris County. The snow contained large amounts of liquid, making it heavy and wet. This resulted in downed trees, limbs, and wires, leading to numerous power outages across portions of New Jersey, especially where the heaviest snow was reported.	The Township experienced significant tree and utility damages.

9.14.6 Jurisdiction-Specific Vulnerabilities and Hazard ranking

The hazard profiles in Section 4 (Risk Assessment) provide detailed information regarding each plan participant's vulnerability to the identified hazards. The following summarizes the hazards of greatest concern and risk to the Township of Harding.

In an attempt to summarize the confidence level regarding the input utilized to populate the hazard ranking, a gradient of certainty was developed. A certainty factor of high, medium or low was selected and assigned to each hazard to provide a level of transparency and increased understanding of the data utilized to support the resulting ranking. The following scale was used to assign a certainty factor to each hazard:

- High—Defined scenario/event to evaluate; probability calculated; evidenced-based/quantitative assessment to estimate potential impacts through hazard modeling.
- Moderate—Defined scenario/event or only a hazard area to evaluate; estimated probability; combination of quantitative (exposure analysis, no hazard modeling) and qualitative data to estimate potential impacts.
- Low—Scenario or hazard area is undefined; there is a degree of uncertainty regarding event probability;
 majority of potential impacts are qualitative.





Table 9.14-12. Summary of Risk Assessment Results

Hazard of Concern	Hazard/ Scenario Area Evaluated	Population		Buildi	ngs	Econom	y (Loss)	Certainty Factor	
Dam Failure	Partial or complete failure of a dam There are 5 dams in the Township, according to NJDEP.	Population impacted is de the capacity of the dam, the the dam failure inundation severity of the fail	ne extent of area and the	The number of impacted is deposite capacity of the extent of the control inundation are severity of the	endent on the e dam, the lam failure ea and the	Economic im dam/building/ repairs; debris re utility i	Low		
Disease Outbreak	Disease Outbreaks which include: Mosquito-Borne Diseases, Tick-Borne Diseases, Campylobacteriosis, Influenza, Mumps, Ebola	Population impacted is de the disease and severit outbreak; in some cases compromised persons a vulnerable.	y of the immuno-	Structural imp disease outbrea limite	ak would be	Economic loss County financ monitor/address wages or commer depends on the se disease of	Low		
Drought	Prolonged drought event - The County is serviced by water supplies who primarily get water from groundwater sources; some surface water sources.	Entire population exposed on surface water supplie impacted first; wa restrictions/contamination wildfire risk.	es may be ater	Droughts are no cause direct of building	damage to	Losses inclu landscape/nurs industry	Low		
	"100, 500-, 2,500-Year Mean Return Period (MRP)	NEHRP D&E:	295	NEHRP D&E:	207	100-year Loss:	\$0		
Earthquake	Events evaluated NEHRP Soils D&E (soft soils that amplify ground shaking are present in the County"	Liquefaction Class 4:	315	Liquefaction Class 4:	192	500-year Loss: 2,500-year Loss:	\$1,950,568 \$28,497,719	High	
Extreme	Extreme temperature event	Over 65 Population:	980	Physical impa		Loss of busine		Low	
Temperature	(heat or cold)	Population Below Poverty Level: 101			extreme temperatures would be limited.		possible due to unexpected repairs (i.e. pipes bursting) or power failures.		
Flood	100- and 500-Year Mean Return Period Event	100-year	108	100-year	100-year 90		\$47,732,628 \$47,732,628		
	Return Period Event	500-year	112	500-year	102				
Geological		Class A:	0	Class A:	0	Class A:	0	Moderate	



Hazard of Concern	Hazard/ Scenario Area Evaluated	Population		Buildi	ngs	Econom	y (Loss)	Certainty Factor
	High Landslide Susceptibility Areas and	Class B:	95	Class B:	43	Class B:	\$21,314,927	
	Areas developed over carbonate rock	Carbonate Bedrock:	0	Carbonate Bedrock:	0	Carbonate \$0 Bedrock:		
Harmful Algal Bloom	Any body of water or area adjacent that is susceptible to harmful algal bloom.	Population in contact (e.g., or drinking water from su impacted can result in a health effects	rface water	General build impacts due to l bloom are not Critical facilitie treatment plants to plant cl	narmful algal anticipated. es (i.e., water es) could lead	Economic impa recreational clos waterbodi sample/monit	Low	
Hazardous Substance	Release of a hazardous substance from a fixed site.	Population impacted will the type of material and s incident. May include p within small radii o	cale of the opulation	The degree of of building dependence of the	nds on the	The degree of dar the scale of	Low	
Infestation	Infestation including: Insects [e.g. Gypsy Moth, Mosquitoes, Spotted Lanternfly, Emerald Ash Borer], White-Tailed Deer, Rodents	Population impacted will the type and severity of inf may cause an increased disease outbreal	estation and risk for	Physical impa limited to india from invasive s affect crops and	rect impacts pecies which	Economic impact the type and seve and may cause a for disease	Low	
		Entire population exposed:	The degree	Entire building		Annualized Loss:	\$33,319	
Severe Weather	Severe Weather Event	of impact to the population the scale of the inci	depends on	exposed; The impact depends		100 -Year Loss:	\$553,839	High
	the scale of the incident.					500-year Loss:	\$2,853,318	
Severe Winter Weather	Severe Winter Weather Event	All residents/commuters/ exposed; socially-vul- populations may be at inc	nerable	All buildings a the degree of im on the scale of	pact depends	The cost of snow and repair of roa can impact ope	Low	
Wildfire	Wildfire Fuel Hazard areas (High, Very High, Extreme)	Wildfire:	11	Wildfire:	10	Wildfire:	\$8,726,112	Moderate



REPETITIVE FLOOD LOSSES

The following summarizes the repetitive and severe repetitive flood losses in the Township of Harding.

- Number of repetitive loss (RL) properties: 0
- Number of severe repetitive loss (SRL) properties: 0
- Number of RL/SRL properties that have been mitigated: 0

Source: FEMA BureauNet, 2019

CRITICAL FACILITIES

The table below identifies critical facilities in the community located in the 1-percent and 0.2-percent floodplain.

Table 9.14-13. Potential Flood Losses to Critical Facilities and Lifelines

		Expo	sure								
		1%	0.2%								
Name	Type	Event	Event	Status of Mitigation							
No critical facilities are located in the FEMA 1% and 0.2% Flood Hazard Area.											

ADDITIONAL IDENTIFIED VULNERABILITIES

The jurisdiction has identified the following vulnerabilities within their community:

- Flooding occurs to the following streets: Dickson Mill Road, Long Hill Road, and Lees Hill Road.
- The Office of Emergency Management does not a centralized facility for dispatch, communications, coordination, and event hazard management. Current makeshift emergency operations occur in the municipal board room when needed. A consolidated OEM Center would enable the township more effective operations.
- Power poles are aging.

HAZARD AREA EXTENT AND LOCATION

Hazard area extent and location maps were generated for the Township of Harding 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 adequate for planning purposes. Maps have been generated only for those hazards that can be clearly identified using mapping techniques and technologies and for which the Township of Harding has significant exposure. Refer to Figures 9.14-1 and 9.14-2.

HAZARD RANKING

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

As discussed in Section 4.3 (Hazard Ranking), each plan participant may have differing degrees of risk exposure and vulnerability compared to Morris County as a whole. Therefore, each jurisdiction ranked the degree of risk to each hazard as it pertains to their community factoring in their capabilities to withstand impacts and rebound after the event. The table below summarizes the hazard rankings of potential natural hazards for the Township





of Harding. The Township of Harding has reviewed the Morris County hazard ranking table, as well as its individual results, to reflect the relative risk of the hazards of concern to the community. During the review of the hazard ranking, the Township of Harding increased the ranking for wildfire from Low to Medium.

Table 9.14-14. Township of Harding Hazard Ranking Input

Dam Failure	Disease Outbreak	Drought	Earthquake	Extreme Temperature	Flood	Geological Hazard
Medium	High	Medium	Medium	Medium	Medium	Low

Harmful Algal Bloom	Hazardous Substances	Infestation	Severe Weather	Severe Winter Weather	Wildfire
Low	High	Medium	High	High	Medium

9.14.7 Mitigation Strategy and Prioritization

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

PAST MITIGATION INITIATIVE STATUS

The following table summarizes the jurisdiction's progress on their mitigation strategy identified in the 2015 HMP. 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 can also be found under 'Capability Assessment' presented previously in this annex.

Table 9.14-15. Status of Previous HMP Mitigation Actions

		Status (In Progress, No Progress,	Include in the 2020 HMP Update?			
2015 Action Number Action Description	Responsible Party	Ongoing Capability, or Completed)	Check if Yes	Enter 2020 HMP Action #		
THD-1 - Engineering study to determine mitigation action for the following streets: Dickson Mill Road, Pleasant Plains Road, Long Hill Road, and Lees Hill Road.	Engineering	The County is currently studying Dickson Mill Road to replace the bridge.	X	2020-Harding- 001		
THD-2 - Backup power for DPW on 8 Millbrook Road.	Engineering	Complete – Generator is acquired	-	-		
THD-3 - Develop all-hazards public education and outreach program for hazard mitigation and preparedness	OEM	Complete - Ongoing Capability	-	-		
THD-4 - Create/Enhance/Maintain Mutual Aid agreements with neighboring communities for continuity of operations.	Administration	Complete - Ongoing Capability	-	-		



In addition to the above progress, the Township of Harding did not identify other mitigation projects/activities that were completed but not identified in the 2015 HMP mitigation strategy.

PROPOSED HAZARD MITIGATION INITIATIVES FOR THE PLAN UPDATE

The Township of Harding participated in a risk assessment workshop in November 2019 in which detailed information was provided about assets exposed and vulnerable to the identified hazards of concern. The Township of Harding participated in a mitigation action workshop in March 2020 and was provided a Mitigation Toolbox that included a mitigation catalog developed specifically for Morris County and its hazards of concerns; challenges and opportunities identified during the capability and risk assessments; and 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 Flood prone Structures (March 2007) and FEMA Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards (January 2013). Section 6 (Mitigation Strategy) and Appendix F (Mitigation Strategy Supplement) provide a more complete description of the Mitigation Toolbox and its resources.

As discussed in Section 6 (Mitigation Strategy), 14 criteria were used to evaluate each action, including an evaluation of the benefits and costs. For each new mitigation action, a numeric rank was assigned (-1, 0, or 1) for each of the 14 evaluation criteria. The results of this evaluation, in addition to input from the jurisdiction, were then used to prioritize the mitigation initiatives as 'High', 'Medium', or 'Low.' Table 9.14-17 summarizes the evaluation of each mitigation initiative and the resulting priority, listed by Action Number.



Table 9.14-16. Proposed Hazard Mitigation Initiatives and Associated Priority

Initiative Number	Mitigation Initiative Name	Description of the Problem	Description of the Solution	New or Existing Assets?	Hazard(s) to be Mitigated	Goals Met	<u>Lead</u> and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Cost	Timeline	Priority	Mitigation Category	CRS Category
2020- Harding- 001	New Vernon Area Flooding	Flooding occurs to the following streets: Dickson Mill Road, Long Hill Road, and Lees Hill Road.	Perform engineering study to determine the mitigation actions for Dickson Mill Road. County to mitigate Long Hill and Lees Hill Roads.	Existing	Flood, Severe Storm, Severe Winter Weather	1, 4	Engineering , Administrat ion	HMGP, PDM, municipal budget	High	High	Lo ng	Hig h	SIP	PP, SP
2020- Harding- 002	Emergency Operations Management Center	The center currently lacks a central location for communications, dispatch services, coordination of logistics, and distribution of municipal assets.	Repurpose municipally owned facility to accommodate OEM Center	Existing	All	1, 2, 3, 4	OEM, Engineering , Administrat ion	HMGP, PDM, municipal budget	High	High	Lo ng	Hig h	SIP, EAP	PI, ES
2020- Harding- 003	Power Poles	Power Poles - aging infrastructure	Work with electric utility to upgrade and harden power grid.	Existing	All	1, 4	Administrat ion, Electric Company	Municipal budget	High	High	Sh ort	Hig h	SIP	PP, PI, ES
2020- Harding- 004	Flood Damage Prevention Ordinance (FDPO)	In FDPO in Part II, Article XIX: Flood Damage Prevention, the Planning Board is designated the administrative agency, but the engineer is the floodplain manager.	Update FDPO. Town is looking to use model D from https://www.nj.go v/dep/floodcontrol /modelord.htm for the ordinance.	New	Flood	1, 4	Administrat ion, Engineering , Planning Board	Municipal	High	Low	Short	Med ium	LPR	PR
2020- Harding- 005	Dam Coordination	Mt. Kemble Lake, Primrose Pond, Silver Lake, Glen Alpin No. 1, and Glen Alpin No. Dams are located in but owned outside of the jurisdiction of the Township.	Coordinate with the State to ensure any deficiencies are addressed in the future and include in the State HMP.	Existing	Dam Failure, Earthquake , Flood, Geological Hazards, Severe Weather, Severe Winter Weather	1, 4	Engineering , FPA, OEM	Municipal budget	Mediu m	Medi um	Short	Med ium	SIP	SP, ES



Notes:

Acronyms and Abbreviations:

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

FEMA Federal Emergency Management Agency

FPA Floodplain Administrator HMA Hazard Mitigation Assistance

N/A Not applicable

NFIP National Flood Insurance Program
OEM Office of Emergency Management

Potential FEMA HMA Funding Sources:

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

Timeline:

The time required for completion of the project upon implementation

Cost:

The estimated cost for implementation.

Benefits:

A description of the estimated benefits, either quantitative and/or qualitative.

Mitigation Category:

- Local Plans and Regulations (LPR) These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) These are actions that minimize damage and losses and 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. 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 preserve or restore the functions of natural systems. 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. 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 9.14-17. Summary of Prioritization of Actions and Action Priorities

Initiative Number	Mitigation Initiative Name	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
2020- Harding-001	New Vernon Flooding	1	1	0	1	1	1	0	1	1	1	1	0	1	1	11	High



Initiative Number	Mitigation Initiative Name	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
2020- Harding-002	Emergency Operations Management Center	1	1	1	1	1	1	0	0	1	1	1	1	1	1	12	High
2020- Harding-003	Power Poles	1	1	1	1	1	1	1	0	1	1	1	1	0	1	12	High
2020- Harding-004	FDPO	1	1	1	1	0	0	0	0	1	0	0	0	1	1	7	Medium
2020- Harding-005	Dam Coordination	1	1	1	1	0	0	0	0	1	0	1	1	0	1	8	Medium

Notes: Section 6 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions.



Table 9.14-18. Analysis of Mitigation Actions by Hazard and Category

Hazard	Prevention	Property Protection	Public Education and Awareness	Natural Resource Protection	Emergency Services	Structural Projects	Climate Resilient	Community Capacity Building
Dam Failure	004, 005	004, 005	005	004, 005,	004, 005	005	004, 005	004, 005
Disease Outbreak	-	-	-	-	002	-	-	-
Drought	-	-	-	-	002	-	-	-
Earthquake	-	-	-	-	002, 003, 005	-	-	-
Extreme Temperature	-	-	-	-	001, 002, 003, 004, 005	-	-	-
Flood	004	001, 002, 003, 004, 005	001, 002, 003, 004, 005	001, 002, 003, 004, 005	001, 002, 003, 004, 005	001, 002, 003, 004, 005	001, 002, 003, 004, 005	001, 002, 003, 004, 005
Geological	-	-	-	-	002, 003, 005	-	-	-
Harmful Algal Bloom	-	-	-	-	002	-	-	-
Hazardous Substance	-	-	-	-	002	-	-	-
Infestation	-	-	-	-	002	-	-	-
Severe Weather	-	001, 002, 003, 004, 005	001, 002, 003, 004, 005	001, 002, 003, 004, 005	001, 002, 003, 004, 005	001, 002, 003, 004, 005	001, 002, 003, 004, 005	001, 002, 003, 004, 005
Severe Winter Weather	-	001, 002, 003, 004, 005	001, 002, 003, 004, 005	001, 002, 003, 004, 005	001, 002, 003, 004, 005	001, 002, 003, 004, 005	001, 002, 003, 004, 005	001, 002, 003, 004, 005
Wildfire	002, 003	002, 003	002, 003	002, 003	002, 003	002, 003	002, 003	002, 003

 $Note: Section\ 6\ (Mitigation\ Strategy)\ provides\ for\ an\ explanation\ of\ the\ mitigation\ categories.$

RED = high ranked hazard

ORANGE = medium ranked hazard
YELLOW = low ranked hazard

9.14.8 Staff and Local Stakeholder Involvement in Annex Development

The Township of Harding followed the planning process described in Section 2 (Planning Process). This annex was developed over the course of several months with input from many jurisdiction representatives. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization. The following table summarizes who participated and in what capacity. Additional documentation on the municipality's planning process through Planning Partnership meetings is included in Section 2 (Planning Process) and Appendix C (Meeting Documentation).

Table 9.14-19. Contributors to the Annex

Entity	Title	Method of Participation
Lorene Wright	Assistant Administrator	Attended Annex Meeting on 9/26/2019, provided comments
Paul Fox	Township Engineer	Attended Annex Meeting on 9/26/2019, provided comments
Erik Heller	Police Chief	Reviewed and provided comments on draft annex



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

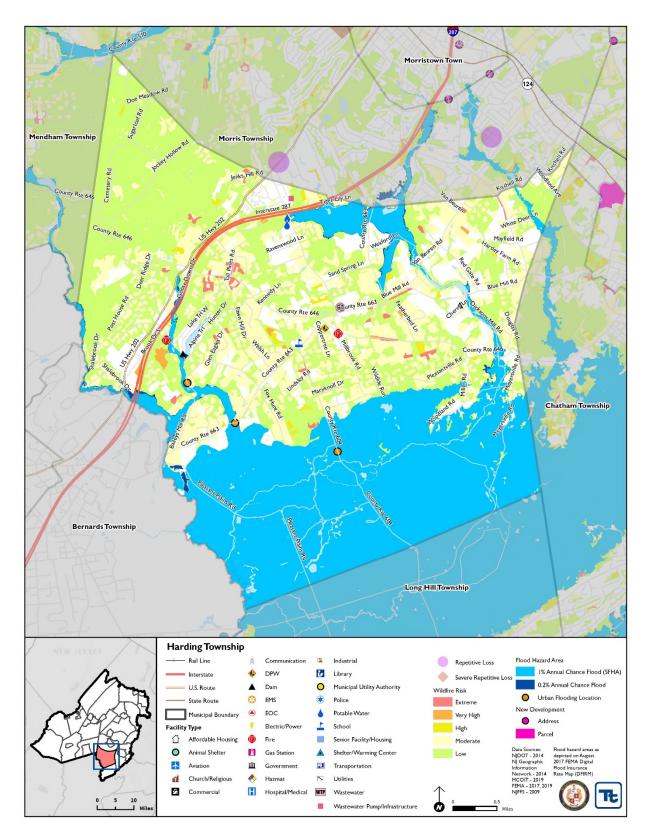
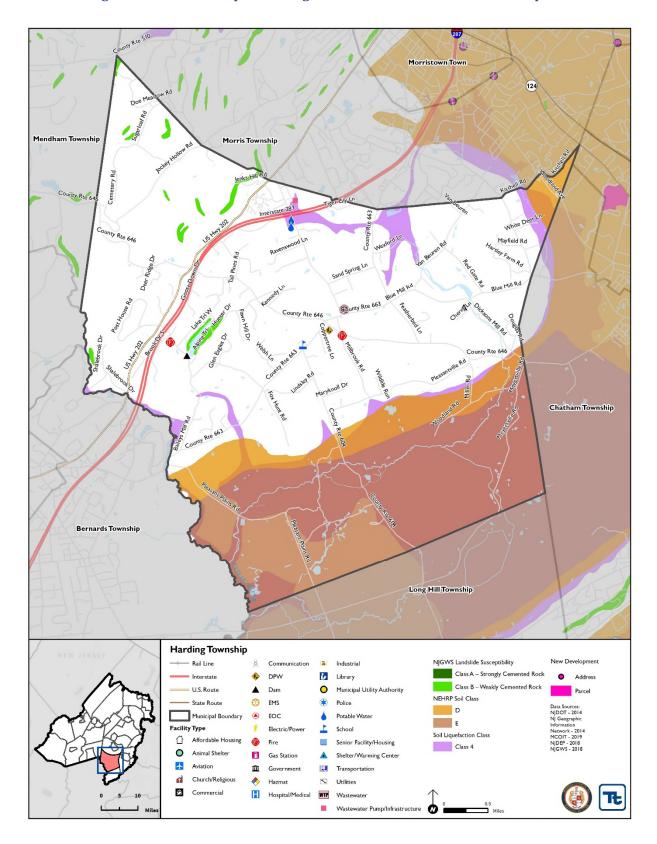




Figure 9.14-2. Township of Harding Hazard Area Extent and Location Map 2





Name of Jurisdiction:	Township of Harding
Name and Title Completing Worksheet:	L. Wright

	A	ction W	orksheet	į				
Project Name:	New Vernon Area Flo	ooding						
Project Number:	2020-Harding-001							
	Ri	Risk / Vulnerability						
Hazard(s) of Concern:	Flood, Severe Storm,	Severe V	Winter W	eather				
Description of the Problem:	Road.	Flooding occurs to the following streets: Dickson Mill Road, Long Hill Road, and Lees Hill Road.						
	Action or Projec	ct Intend	led for Ir	nplementation				
Description of the Solution:	Perform engineering study to determine the mitigation actions for Dickson Mill Road. County to mitigate Long Hill and Lees Hill Roads.							
Is this project related to a C Lifeline?	Critical Facility or	Yes		No 🛚				
Level of Protection:	High			ed Benefits avoided):	High			
Useful Life:	TBD		Goals M	let:	1, 4			
Estimated Cost:	High			ion Action Type:	SIP			
	Plan	for Imp	lementa					
Prioritization:	High			l Timeframe for entation:	Medium			
Estimated Time Required for Project Implementation:	Short		Potenti Sources	al Funding s:	HMGP, PDM, municipal budget			
Responsible Organization:	Engineering			lanning hisms to be Used ementation if any:	Hazard mitigation			
	Three Alternatives	Consid						
	Action		Es	timated Cost	Evaluation			
	No Action			\$0	Current problem continues			
Alternatives: Perform engineering study			Medium	Identifies cost effective solutions				
	Reroute roads to avoid flooding		High		Not cost effective			
	Progress Re	port (fo	r plan ma	nintenance)				
Date of Status Report:								
Report of Progress:								
Update Evaluation of the Problem and/or Solution:								



Name of Jurisdiction:	Township of Harding
Name and Title Completing Worksheet:	L. Wright

Action Worksheet						
Project Name:	New Vernon Area Flooding					
Project Number:	2020-Harding-001					
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate				
Life Safety	1					
Property Protection	1					
Cost-Effectiveness	0					
Technical	1					
Political	1					
Legal	1					
Fiscal	0					
Environmental	1					
Social	1					
Administrative	1					
Multi-Hazard	1					
Timeline	0					
Agency Champion	1					
Other Community Objectives	1					
Total	11					
Priority (High/Med/Low)	High					



Name of Jurisdiction:	Township of Harding
Name and Title Completing Worksheet:	L. Wright

Action Worksheet								
Project Name:	OEM Facility							
Project Number:	2020-Harding-002	2020-Harding-002						
	Ri	sk / Vul	nerabili	ty				
Hazard(s) of Concern:	All	·						
Description of the Problem:	coordination of log	The center currently lacks a central location for communications, dispatch services, coordination of logistics, and distribution of municipal assets.						
	Action or Projec	ct Intend	ded for I	mplementation				
Description of the Solution:	Repurpose municip	Repurpose municipally owned facility to accommodate OEM Center.						
Is this project related to a Lifeline?	Critical Facility or	Yes	\boxtimes	No 🗆				
Level of Protection:	High			ted Benefits avoided):	High			
Useful Life:	TBD		Goals N	/let:	1, 4			
Estimated Cost:	\$100,000 to 150,00	0	Mitigat	ion Action Type:	Emergency operations plan, Hazard mitigation			
	Plan	for Imp	lementa					
Prioritization:	High			d Timeframe for nentation:	Short			
Estimated Time Required for Project Implementation:	Short		Source		HMGP, PDM, Municipal Budget			
Responsible Organization:	OEM, Engineering, l	DPW	Mechai	lanning nisms to be Used lementation if	Emergency Services, Hazard Mitigation			
	Three Alternatives	Consid	ered (in	cluding No Action)				
	Action		Es	stimated Cost	Evaluation			
Alternatives:	No Action			\$0	Current problem continues			
internatives.	Repurpose muni- facility	cipal	\$10	0,000-\$150,000	Cost effective solution			
	Ducaman	o o wh	la	aintananas) ———	Not feasible			
	Progress Re	port (10)	r pian m	amtenance)				
Date of Status Report:								
Report of Progress:								
Update Evaluation of the Problem and/or Solution:								



Name of Jurisdiction:	Township of Harding
Name and Title Completing Worksheet:	L. Wright

	Actio	on Worksheet
Project Name:	DPW Backup Power	
Project Number:	2020-Harding-002	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	
Property Protection	1	
Cost-Effectiveness	1	
Technical	1	
Political	1	
Legal	1	
Fiscal	0	
Environmental	0	
Social	1	
Administrative	1	
Multi-Hazard	1	
Timeline	1	
Agency Champion	1	
Other Community Objectives	1	
Total	12	
Priority (High/Med/Low)	High	