

Appendix Vol I.20 Holmdel Township

Please find below the following documents specific to this jurisdiction that have been included as part of the plan update process.

- Summary Sheet
- Mitigation Action Table
- Mitigation Action Worksheets
- Capability Assessment
- Flood Zone Map
- Sea Level Rise Vulnerability Map
- Meeting Material



NFIP Statistics

49 *Polices In-force*

11 *Total Losses*

\$258,169 *Total Payments*

1 *Number of RL Properties*

0 *Number Mitigated
RL Properties*

2 *RL - Total Losses*

\$8,996 *RL - Total Paid*

0 *Number of SRL Properties*

0 *Number Mitigated SRL
Properties*

0 *SRL - Total Losses*

\$0 *SRL - Total Paid*



Critical Facilities

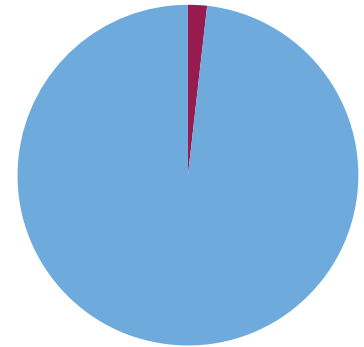
26 *Critical Facilities*

0 *Critical Infrastructure*

111 *Historic & Cultural Resources*



2%



Percent Land Area Within SFHA

9

*Total Mitigation
Actions*

0



Education and Awareness Programs

6



Structure and Infrastructure Projects

2



Local Plans and Regulations

1



Natural Systems Protection



0 *SV Population At Risk (2017)*

302 *Population at Risk (2017)*

Holmdel, Township of					Monmouth County HMP Mitigation Action Summary							
Community Action #	Action Name	Action Description	Action Category	Action Type	Hazard(s) Addressed	Priority	Ease of Implementation	Responsible Party	Potential Funding Sources	Cost Estimate	Timeline	Action Status
20_01	Update Sanitary Sewer Infrastructure	Repair and/or replacement of ageing generators, pumps, and some sections of sewer lines. One emergency generator has already been replaced at the pump station at Valley Point Drive. A comprehensive examination of the complete sanitary sewer infrastructure is currently underway to prioritize mitigation activities.		Structure and Infrastructure Project	Flood, Nor'easter, Hurricane and Tropical Storm, Storm Surge, Winter Storm			Township Administrator.	Fully funded by local Bond Issue which is already approved and in place.	\$1,200,000.00		Completed
20_02	Acquire, elevate, or relocate buildings and infrastructure in flood prone areas, with a focus on Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties	Elevation and/or Acquisition of Flood prone Residential Structures, with particular focus on those in our community that are on FEMA's Repetitive Loss List.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Flood, Wave Action, Nor'easter, Hurricane and Tropical Storm, Storm Surge, Winter Storm	High	Medium	Mayor and Council	FEMA HMA		2 years	Ongoing
20_03	Conduct a Flood Mitigation Study for Route 35	An engineering study is needed to solve flooding along Route 35, specifically the commercial property of 2028 Highway 35.	Administrative	Structure and Infrastructure Project	Flood, Nor'easter, Hurricane and Tropical Storm	Medium	Low	Township Engineering	Municipal budget, DOT, FEMA HMA		2 years	New
20_04	Target Harden Critical Facilities by Installing Surveillance Camera and Fencing	Install camera systems and secure fencing at all Township-owned parks, municipal buildings, schools, and pump stations. Additionally, coordinate with NJ American Water on how to secure their water treatment plant at Phyllis Park.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Terrorism	Medium	Low	Township OEM	Homeland Security grants, Municipal budget		2 years	New
20_05	Conduct Ongoing Maintenance of the Morrhoris Brook/Waycaake Creek	Desnagging and Desilting Morrhoris Brook/Waycaake Creek.	Maintenance/Response/Recovery	Natural Systems Protection	Flood, Nor'easter, Hurricane and Tropical Storm, Winter Storm	Low	Low	Township Engineering	Municipal budget		1 year	New
20_06	Develop a Tree Trimming Maintenance Program	Create a tree trimming maintenance program and purchase new tree-trimming equipment.	Maintenance/Response/Recovery	Local Plans and Regulations	Flood, Extreme Wind, Lightening, Nor'easter, Hurricane and Tropical Storm, Wildfire	Low	Low	Township DPW	Municipal budget		2 years	New
20_07	Purchase and Install Generators for Critical Facilities	Purchase and install generators for local gas stations and generators for traffic lights at high-traveled intersections.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Low	Township Administration	FEMA HMA, DOT, Municipal budget		2 years	New
20_08	Conduct a Fire Analysis Study	Develop a Fire Analysis Study to increase fire capabilities in southern Holmdel.	Administrative	Local Plans and Regulations	All Hazards	Medium	Low	Township Planning and Fire	FEMA HMA, Municipal budget		1 year	New

Holmdel, Township of

Monmouth County HMP Mitigation Action Summary

Community Action #	Action Name	Action Description	Action Category	Action Type	Hazard(s) Addressed	Priority	Ease of Implementation	Responsible Party	Potential Funding Sources	Cost Estimate	Timeline	Action Status
20_09	Construct Flood Measure (e.g. floodwalls or small berms) along Hop Brook	Use minor structural projects that are smaller and more localized (e.g., floodwalls or small berms) along Hop Brook.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Flood	High	Low	Township Engineering	FEMA HMA		3 years	New

Monmouth County Mitigation Action Worksheets

Community Action Number: 20_01

Holmdel, Township of

Describing the Action

Action Name:	Update Sanitary Sewer Infrastructure
Action Category:	
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	
Action Description:	Repair and/or replacement of ageing generators, pumps, and some sections of sewer lines. One emergency generator has already been replaced at the pump station at Valley Point Drive. A comprehensive examination of the complete sanitary sewer infrastructure is currently underway to prioritize mitigation activities.

Evaluating the Action

Hazard(s) Addressed:	Flood, Nor'easter, Hurricane and Tropical Storm, Storm Surge, Winter Storm
Goals:	2, 3, 5, 7
Risk Reduction:	Failure of in emergency generator at a sewer pump station during Superstorm Sandy highlighted that the Township sanitary sewer infrastructure (pump stations, sewer lines) is in need of mitigation at many locations.
Technical:	Completely feasible.
Political:	Public and political support extremely high. The initial bond ordinance for the \$1.2million passed unopposed in late 2013.
Legal:	There are no known legal impediments.
Environmental:	From an environmental standpoint this will stand to prevent possible environmental damage and will have no negative impacts. It will comply with all environmental regulations.
Social:	There are no known social impacts other than being a positive for all.
Administrative Capability:	The Township has the personnel and administrative capabilities.
Local Champion:	All local departments and agencies support this.
Other Community Objectives:	Full implementation will serve to protect the environment and will also serve to support reinvestment in older housing stock.
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$1,200,000.00
Priority:	
Scale of Ease of Implementation:	
Responsible Party:	Township Administrator.
Local Planning Mechanism:	All existing local codes and ordinances.
Likely Funding Source(s):	Fully funded by local Bond Issue which is already approved and in place.
Timeline:	
Action Status:	Completed
Notes:	Report produced, evaluation done, construction underway.

Monmouth County Mitigation Action Worksheets

Community Action Number: 20_02

Holmdel, Township of

Describing the Action

Action Name:	Acquire, elevate, or relocate buildings and infrastructure in flood prone areas, with a focus on Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties
Action Category:	Mitigation - Risk Reduction
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Structure Elevation
Action Description:	Elevation and/or Acquisition of Flood prone Residential Structures, with particular focus on those in our community that are on FEMA's Repetitive Loss List.

Evaluating the Action

Hazard(s) Addressed:	Flood, Wave Action, Nor'easter, Hurricane and Tropical Storm, Storm Surge, Winter Storm
Goals:	2, 3, 5
Risk Reduction:	Several residential structures throughout the community are prone to flooding, with their main floor elevations below current BFEs. Sea level rise and climate change will contribute to more frequent and severe flooding and surge events.
Technical:	Elevation and acquisition are both technically feasible project types.
Political:	Our political leadership supports this type of project.
Legal:	While the municipality does not own the structures in question, we fully support the homeowners in moving forward.
Environmental:	No environmental impacts are anticipated at this time; this would be confirmed as specific homeowners come forward and their property details are reviewed. It is likely that environmental impacts would be positive, as household hazard, wastes are no longer introduced into floodwaters.
Social:	No particular social group in our community is likely to be disproportionately impacted by this project; this would be reevaluated as particular interested homeowners come forward.
Administrative Capability:	Our municipality has the administrative capabilities to manage an elevation and/or acquisition project.
Local Champion:	Affected homeowners, elected officials
Other Community Objectives:	Improve and protect lifestyles of residents; reduction of costly property damage; resiliency; floodplain management; capital improvements.
STAPLEE Evaluation:	12

Implementing the Action

Cost Estimate:	
Priority:	High
Scale of Ease of Implementation:	Medium
Responsible Party:	Mayor and Council
Local Planning Mechanism:	Homeowners; Mayor; Council; Administrator; Engineer; local ordinance; Hazard Mitigation Plan
Likely Funding Source(s):	FEMA HMA
Timeline:	2 years
Action Status:	Ongoing
Notes:	Ongoing action; the Township deems this action necessary and is searching for potential funding.

Monmouth County Mitigation Action Worksheets

Community Action Number: 20_03

Holmdel, Township of

Describing the Action

Action Name:	Conduct a Flood Mitigation Study for Route 35
Action Category:	Administrative
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Localized Flood Risk Reduction Projects
Action Description:	An engineering study is needed to solve flooding along Route 35, specifically the commercial property of 2028 Highway 35.

Evaluating the Action

Hazard(s) Addressed:	Flood, Nor'easter, Hurricane and Tropical Storm
Goals:	2, 3, 5, 6
Risk Reduction:	2028 Highway 35, which is a Vet Office, has constant flooding in the basement and in the parking lot, which spills out to Route 35. The business cannot operate and a portion of the roadway is closed down after a rain event. Route 35 is also a County Evacuation Route.
Technical:	Technically feasible.
Political:	No adverse political ramifications are expected.
Legal:	No legal impediments anticipated. May need to coordinate with NJDOT if any work is to be completed within the road right-of-way.
Environmental:	No adverse environmental impact anticipated
Social:	Does not adversely affect any particular social group. Perceived by the public to be a good thing because of repetitive nature of flooding in the project area.
Administrative Capability:	Township has sufficient capacity and experience to administer this action.
Local Champion:	OEM
Other Community Objectives:	
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Township Engineering
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	Municipal budget, DOT, FEMA HMA
Timeline:	2 years
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 20_04

Holmdel, Township of

Describing the Action

Action Name:	Target Harden Critical Facilities by Installing Surveillance Camera and Fencing
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	Install camera systems and secure fencing at all Township-owned parks, municipal buildings, schools, and pump stations. Additionally, coordinate with NJ American Water on how to secure their water treatment plant at Phyllis Park.

Evaluating the Action

Hazard(s) Addressed:	Terrorism
Goals:	1, 2, 3, 5, 7
Risk Reduction:	These critical facilities are vulnerable to a terrorist attack and need to be more secure.
Technical:	Technically feasible.
Political:	Politically acceptable and encouraged.
Legal:	No legal issues anticipated. Need to coordinate with NJ American Water on their property.
Environmental:	
Social:	Does not adversely affect any particular social group. Perceived by the public to be a good thing because it reduces risk for residents.
Administrative Capability:	Does not adversely affect the environment.
Local Champion:	OEM, Police
Other Community Objectives:	
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Township OEM
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	Homeland Security grants, Municipal budget
Timeline:	2 years
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 20_05

Holmdel, Township of

Describing the Action

Action Name: Conduct Ongoing Maintenance of the Morrhoris Brook/Waycaake Creek

Action Category: Maintenance/Response/Recovery

Action Type: Natural Systems Protection

HMA Eligible Activity: Miscellaneous/Other/NA

Action Description: Desnagging and Desilting Morrhoris Brook/Waycaake Creek.

Evaluating the Action

Hazard(s) Addressed: Flood, Nor'easter, Hurricane and Tropical Storm, Winter Storm

Goals: 2, 3, 5, 6

Risk Reduction: Flooding is has become a constant problem along the Morrhoris Brook/Waycaake Creek.

Technical: Technically feasible.

Political: Politically acceptable as desnagging and desilting should help to reduce future risk of flooding.

Legal: No major legal issues expected.

Environmental: No anticipated adverse environmental impact.

Social: No adverse social impact anticipated. The project is perceived as beneficial by the public as it has the potential to reduce flood impacts.

Administrative Capability: Township has sufficient capacity and experience to administer this action.

Local Champion: Engineering, OEM

Other Community Objectives:

STAPLEE Evaluation: N/A

Implementing the Action

Cost Estimate:

Priority: Low

Scale of Ease of Implementation: Low

Responsible Party: Township Engineering

Local Planning Mechanism: Hazard Mitigation Plan

Likely Funding Source(s): Municipal budget

Timeline: 1 year

Action Status: New

Notes:

Monmouth County Mitigation Action Worksheets

Community Action Number: 20_06

Holmdel, Township of

Describing the Action

Action Name:	Develop a Tree Trimming Maintenance Program
Action Category:	Maintenance/Response/Recovery
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Create a tree trimming maintenance program and purchase new tree-trimming equipment.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Lightening, Nor'easter, Hurricane and Tropical Storm, Wildfire
Goals:	1, 2, 3, 5, 6
Risk Reduction:	There is a risk of wildfire and trees falling on property and power lines.
Technical:	Technically feasible.
Political:	No political obstacles anticipated.
Legal:	No legal issues anticipated.
Environmental:	No adverse environmental impacts.
Social:	Does not adversely affect any particular social group. Perceived by the public to be beneficial as risk of wildfire and fallen trees may be reduced.
Administrative Capability:	Township has sufficient capacity and experience to administer this action
Local Champion:	OEM
Other Community Objectives:	
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	
Priority:	Low
Scale of Ease of Implementation:	Low
Responsible Party:	Township DPW
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	Municipal budget
Timeline:	2 years
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 20_07

Holmdel, Township of

Describing the Action

Action Name:	Purchase and Install Generators for Critical Facilities
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Generators
Action Description:	Purchase and install generators for local gas stations and generators for traffic lights at high-traveled intersections.

Evaluating the Action

Hazard(s) Addressed:	All Hazards
Goals:	1, 2, 3, 7
Risk Reduction:	During Superstorm Sandy, there was a shortage of gasoline due to the power outage, which lasted up to two weeks. The traffic lights were also out for several days and emergency responders had to police the traffic instead of tending to other emergencies. The Township has several evacuation routes that transect the township including Route 34, 35, and 520.
Technical:	Technically Feasible.
Political:	No adverse political ramifications are expected.
Legal:	No legal impediments anticipated.
Environmental:	No adverse environmental impact anticipated
Social:	No adverse social impact anticipated. The project is perceived as beneficial by the public as it will increase the reliability of the township's critical facilities.
Administrative Capability:	Township has sufficient capacity and experience to administer this action
Local Champion:	OEM, Police
Other Community Objectives:	
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Township Administration
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	FEMA HMA, DOT, Municipal budget
Timeline:	2 years
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 20_08

Holmdel, Township of

Describing the Action

Action Name:	Conduct a Fire Analysis Study
Action Category:	Administrative
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	Develop a Fire Analysis Study to increase fire capabilities in southern Holmdel.

Evaluating the Action

Hazard(s) Addressed:	All Hazards
Goals:	1, 2, 3, 5, 6
Risk Reduction:	The Township is at risk of wildfire due to the number of forests.
Technical:	Technically feasible.
Political:	Politically acceptable and encouraged in order to better serve the township as a whole.
Legal:	No legal ramifications are anticipated.
Environmental:	No adverse environmental impact anticipated.
Social:	Does not adversely affect any particular social group. Perceived by the public to be beneficial because program aims to educate homeowners and reduce the community's overall vulnerability to wildfire.
Administrative Capability:	Township has sufficient capacity and experience to administer this action.
Local Champion:	Fire Department, OEM
Other Community Objectives:	
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Township Planning and Fire
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	FEMA HMA, Municipal budget
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 20_09

Holmdel, Township of

Describing the Action

Action Name:	Construct Flood Measure (e.g. floodwalls or small berms) along Hop Brook
Action Category:	Mitigation - Risk Reduction
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Localized Flood Risk Reduction Projects
Action Description:	Use minor structural projects that are smaller and more localized (e.g., floodwalls or small berms) along Hop Brook.

Evaluating the Action

Hazard(s) Addressed:	Flood
Goals:	2, 3
Risk Reduction:	Hop Brook transects the Township (severe residential properties) and is a Regulatory Floodway.
Technical:	Technically feasible.
Political:	No adverse political implications.
Legal:	No legal impediments.
Environmental:	Minor affects to the environment.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Township has sufficient capacity and experience to administer this action.
Local Champion:	OEM
Other Community Objectives:	
STAPLEE Evaluation:	10

Implementing the Action

Cost Estimate:	
Priority:	High
Scale of Ease of Implementation:	Low
Responsible Party:	Township Engineering
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	FEMA HMA
Timeline:	3 years
Action Status:	New
Notes:	

CAPABILITY ASSESSMENT WORKSHEET

Name: Eric Hernando

Title: OEM Coordinator

Jurisdiction: Holmdel Township

Organization:

Local Mitigation Capabilities are existing authorities, policies, programs, and resources that reduce hazard impacts or that could be used to implement hazard mitigation activities. Please complete the tables and questions in the worksheet as completely as possible.

Planning & Regulatory

Planning and Regulatory Capabilities are the plans, policies, codes, and ordinances that prevent and reduce the impacts of hazards. Please indicate which of the following your jurisdiction currently has in place.

Plan	Yes/No	1. What is the date/year of the plan? 2. Does the plan address hazards? 3. Does the plan identify projects to include in the mitigation strategy? 4. Can the plan be used to implement mitigation actions?
Comprehensive/Master Plan	Yes	
Capital Improvements Plan	Yes	
Economic Development Plan	Yes	
Local Emergency Operations Plan	Yes	
Continuity of Operations Plan		
Post-Disaster Recovery Plan	Yes	
Transportation Plan		
Stormwater Management Plan	Yes	1. As an element of the Master Plan (2005)
Community Wildfire Protection Plan		



CAPABILITY ASSESSMENT WORKSHEET

Other special plans (e.g., brownfields redevelopment, disaster recovery, coastal zone management, climate change adaptation)	Yes	Alcatel-Lucent Redevelopment Plan (2012)
Building Code, Permitting, and Inspections	Yes/No	Are codes adequately enforced?
Building Code	No	Version/Year:
Building Code Effectiveness Grading Schedule (BCEGS) Score		Score:
Fire Department ISO rating		Rating:
Site Plan Review Requirements	Yes	
Land Use Planning and Ordinances	Yes/No	Is the ordinance an effective measure for reducing hazard impacts? Is the ordinance adequately administered and enforced?
Zoning Ordinance	Yes	
Subdivision Ordinance	Yes	
Floodplain Ordinance		
Natural hazard ordinance (stormwater, steep slope, wildfire)	Yes	Stormwater Management Ordinance
Flood Insurance Rate Maps		
Acquisition of Land for Open Space and Public Recreation Uses		
Post-Disaster Recovery Ordinance	Yes	
Real Estate Disclose Ordinance	Yes	



CAPABILITY ASSESSMENT WORKSHEET

Other (ie. Special Purposes Ordinance)	Yes	Special Purposes Ordinance
How can the above capabilities be expanded and improved to reduce risk?		

Administrative & Technical

Identify whether your community has the following administrative and technical capabilities. These include staff and their skills and tools that can be used for mitigation planning and to implement specific mitigation actions. For smaller jurisdictions without local staff resources, if there are public resources at the next higher-level government that can provide technical assistance, indicate so in your comments.

Administration	Yes/No	Describe capability Is coordination effective?
Planning Commission		
Mitigation Planning Committee		
Maintenance Programs to Reduce Risk (e.g., tree trimming, clearing drainage systems)	No	JCP&L clears trees, but TWP wants mitigation actions
Mutual Aid Agreements		
Staff	Yes/No FT/PT	Is the staff full time or part time? Is staffing adequate to enforce regulations? Is the staff trained on hazards and mitigation? Is coordination between agencies and staff effective?
Chief Building Official		
Floodplain Administrator	Yes	
Emergency Manager	Yes	
Community Planner	Yes	



CAPABILITY ASSESSMENT WORKSHEET

Civil Engineer	Yes	T&M
Surveyor	Yes	
GIS Coordinator	No	
Scientists familiar with the hazards of the community	Yes	
Other	No	
Technical	Yes/No	Describe capability Has capability been used to access/mitigate risk in the past?
Warning Systems/Services (Reverse 911, outdoor warning signals)	Yes	Code Red
Hazard Data and Information		Social media/website OEM/police/fire
Grant Writing	Yes	PT, T&M
Hazus Analysis	No	
Other		
How can the above capabilities be expanded and improved to reduce risk?		



CAPABILITY ASSESSMENT WORKSHEET

Financial

Identify whether your jurisdiction has access to or is eligible to use the following funding resources for hazard mitigation.

Funding Resource	Access / Eligibility (Yes/No)	Has the funding resource been used in the past and for what type of activities? Could the resource be used to fund future mitigation actions?
Capital Improvements Project Funding	Yes	
Authority to Levy Taxes for Specific Purposes	No	
Fees for Water, Sewer, Gas, or Electric Services	No	
Impact Fees for New Development	Yes	
Stormwater Utility Fee		
Incur Debt Through Private Activities	No	
Community Development Block Grant	No	
Other Federal Funding Programs	No	
State Funding Programs		
Other (e.g., withhold spending in hazard-prone areas)	Yes	Incur Debt through General Obligation Funds
How can these capabilities be expanded and improved to reduce risk?		



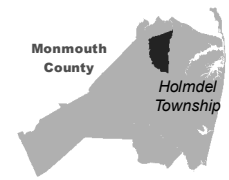
CAPABILITY ASSESSMENT WORKSHEET

Education and Outreach

Identify education and outreach programs and methods already in place that could be used to implement mitigation activities and communicate hazard-related information.

Program/Organization	Yes/No	Describe program/organization and how it relates to disaster resilience and mitigation. Could the program/organization help implement future mitigation activities?
Local Citizen Groups or Non-Profit Organizations Focused on Environmental Protection, Emergency Preparedness, Access and Functional Needs Populations, etc.		
Ongoing Public Education or Information Programs (e.g., responsible water use, fire safety, household preparedness, environmental education)	No	
Natural Disaster or Safety Related School Programs	Yes	Human & natural based hazards SRO assigned, public schools
StormReady Certification		
Firewise Communities Certification		
Public-Private Partnership Initiatives Addressing Disaster Related Issues		
Other		
How can these capabilities be expanded and improved to reduce risk?		





- Parcel Classification
- Industrial

Commercial

Apartment

Residential (four families or less)

Farm

Vacant

Civic/Public (Tax Exempt)

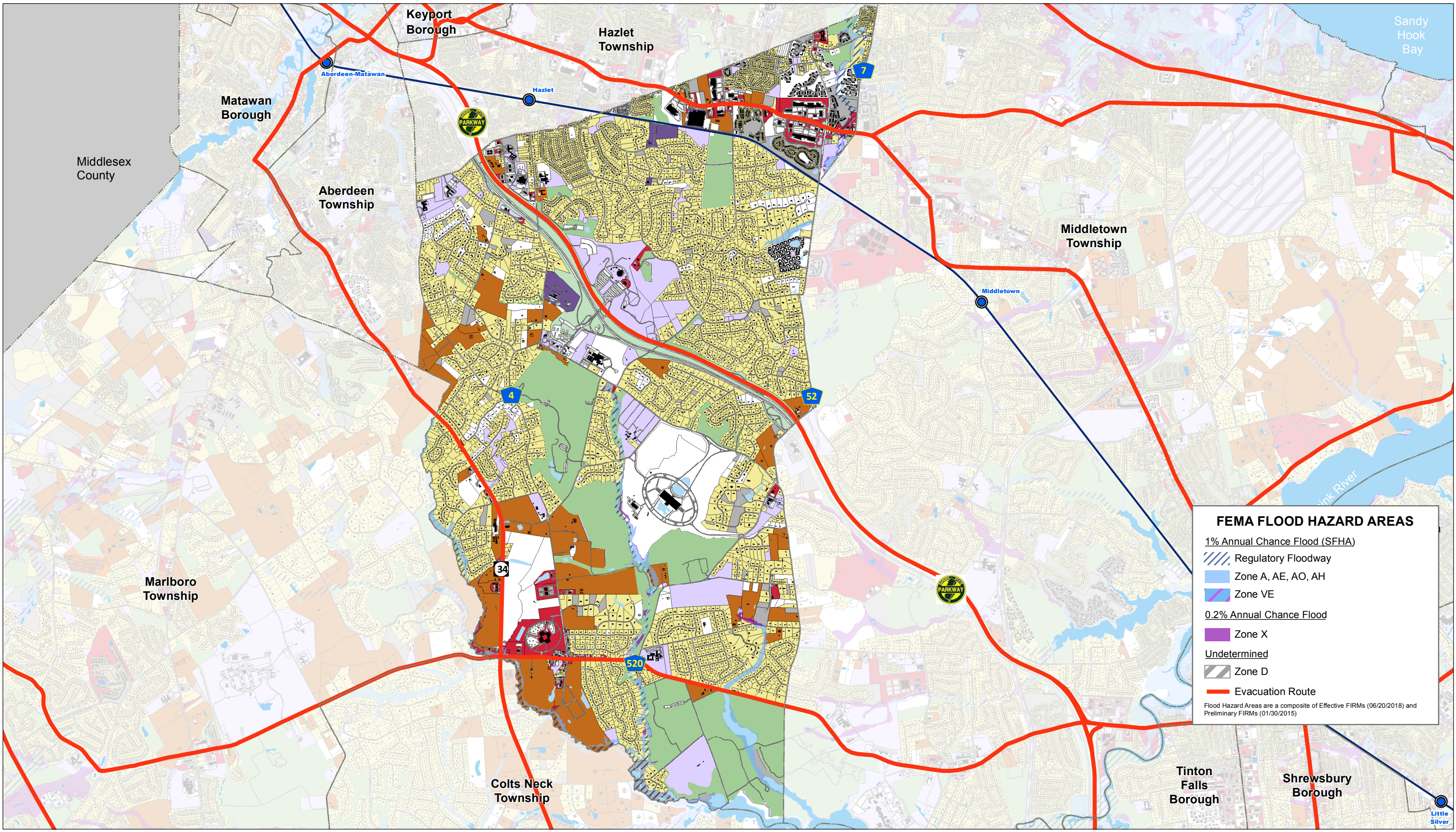
Unclassified

Open Space

02,0004,000

Feet

Source: 2014 Esri; Monmouth County; NJOIT-OGIS; NJGIN MODIV Parcel, FEMA
Projection: New Jersey State Plane, NAD 1983



FEMA FLOOD HAZARD AREAS

1% Annual Chance Flood (SFHA)

Regulatory Floodway

Zone A, AE, AO, AH

Zone VE

0.2% Annual Chance Flood

Zone X

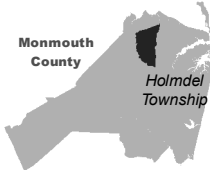
Undetermined

Zone D

Evacuation Route

Flood Hazard Areas are a composite of Effective FIRM (06/20/2018) and Preliminary FIRM (01/30/2015)

This map was developed using the 10-04-18 statewide composite of parcel data published by the NJOIT-OGIS. The State of New Jersey makes great effort to provide secure, accurate, and complete data and metadata. However, portions of the data and metadata may be incorrect or not current. Any errors or omissions should be reported for investigation to OGIS.



- Parcel Classification
- Industrial

Commercial

Apartment

Residential (four families or less)

Farm

Vacant

Civic/Public (Tax Exempt)

Unclassified

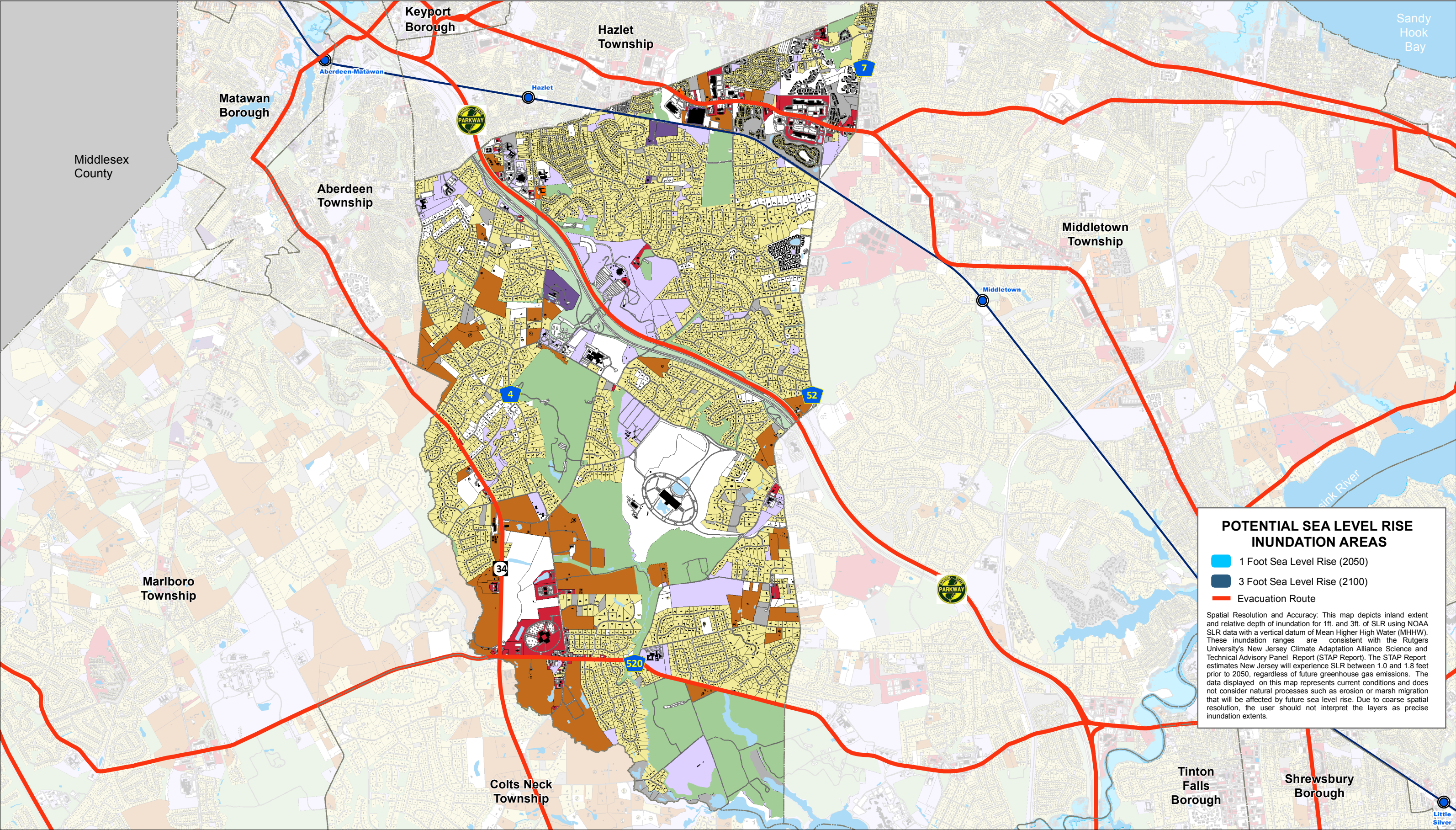
Open Space

02,0004,000

Feet

Source: 2014 Esri; Monmouth County; NJOIT-OGIS; NJGIN MODIV Parcel, FEMA

Projection: New Jersey State Plane, NAD 1983





MEETING NOTES

Topic: Holmdel- Monmouth County HMP Meeting

Date: July 9, 2019

Time: 2:00 PM- 3:00 PM

Location: Holmdel Police HQ (training room)

Attendees: Frank Allocco, Captain PD
Liz Bird, Office Assistant
Bonnie Heard, Township Engineer
Eric Hernando, OEM Coordinator
John Mioduszewski, Chief of Police
Fran Mullan, Township Engineer
Gerard Paige, Grants Manager
Victor Stevens, Director of DPW
Emily Trethewey, Twp Engineer Office
Brittany Ashman, MB Planner

Drafted by: Paige Kaspar

Introductions (Brittany):

- What is Hazard Mitigation?
- Matching actions with Goals
- New Hazards
- HMP Pamphlet
- Funding



2015 Mitigation Actions:

- Community Action 20_01 Protect infrastructure and critical facilities Completed
 - Report produced, evaluation done, construction underway
- Community Action 20_02 Elevation and/or acquisition of floodprone residential structures Ongoing

2020 Mitigation Actions (NEW):

- 3 Flood mitigation: 2028 Highway 35 Vet Office property basement floods
- 4 Cameras/fences at all parks, pump stations, public stations, Township owned buildings, schools . Phyllis Park w/ private satellite dishes (privately owned water tower) coordinate w/ NJ American Water property and water treatment plant
- 5 Desnagging and desilting Morrhoris Brook/Waycaake Creek
- 6 Tree trimming maintenance program & update tree study equipment
- 7 Generators for gas stations and traffic lights
- 8 improve fire capabilities in southern Holmdel
 - Possibly a site for an analysis study

Successes:

- Palmer Ave/County Road elevation project w/ county flooding frequency
- High School was county shelter ☐ now Brookdale
- Community Center is staging area ☐ has generator

Problem area:

- Tributary Creek inundated by runoff
- PNC Arts Center NJTA
- Problem area
- NJTA properties ☐ raise Crawford corner & replace culvert flood process sewer pump station



Monmouth County
Multi-Jurisdictional Hazard Mitigation Plan Update



Michael Baker
INTERNATIONAL

Meeting: Holmdel Twp. HMP

Date: 07-09-19

Initial	Last Name	First Name	Title	Organization	Email Address
EH	HERNANDEZ	EMIL	OEM COORDINATOR	Holmdel OEM	EHernandez@HOLMDEL POLICE.ORG
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