

## *Appendix Vol I.14 Fair Haven Borough*

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*

**31** *Total Losses*

**\$310,715** *Total Payments*

**999** *Number of RL Properties*

**999** *Number Mitigated  
RL Properties*

**0** *RL - Total Losses*

**\$0** *RL - Total Paid*

**0** *Number of SRL Properties*

**0** *Number Mitigated SRL  
Properties*

**0** *SRL - Total Losses*

**\$0** *SRL - Total Paid*

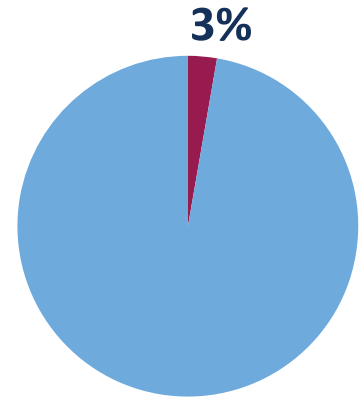


## Critical Facilities

**10** *Critical Facilities*

**0** *Critical Infrastructure*

**29** *Historic & Cultural Resources*



Percent Land Area Within SFHA

**8**

*Total Mitigation  
Actions*

**0**



*Education and Awareness Programs*

**8**



*Structure and Infrastructure Projects*

**0**



*Local Plans and Regulations*

**0**



*Natural Systems Protection*



**0** *SV Population At Risk (2017)*

**166** *Population at Risk (2017)*

Fair Haven, Borough 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
14_01	Remove Overhead Transmission Lines and Place Underground	Remove poles and bury overhead power transmission lines underground in the area of town that has the most potential for power line failure.	Mitigation - Continuity of Fuctional Use	Structure and Infrastructure Project	Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Winter Storm	Low	Medium	Chief Joseph McGovern, Fair Haven OEM	Municipal budget	\$2,000,000.00	5 + years	Ongoing
14_02	Remove or Trim Trees Near Power Transmission Lines	Remove or trim large borough trees near power transmission lines.	Maintenance/Respon se/Recovery	Structure and Infrastructure Project	Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Winter Storm	Low	Low	Chief Joseph McGovern, Fair Haven OEM	Municipal budget	\$2,000,000.00	5 + years	Ongoing
14_03	Purchase and Install a Natural Gas Generator Borough Hall/DPW Building	Purchase and Install a natural gas generator Borough Hall/DPW building for loss of power in buildings.		Structure and Infrastructure Project	All Hazards			Fair Haven OEM		\$72,000.00		Completed
14_04	Acquire Two Flood-prone Properties and Convert to Open Space	Purchase property the end of Fair Haven Rd (21 Fair Haven Rd) and two properties along the Navesink Rd.; demolish each house (two are vacant since Superstorm Sandy) and convert to open space. Properties is located in a low-lying area on the Navesink River.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge, Winter Storm	High	Medium	Fair Haven OEM	FEMA HMA	\$3,000,000.00	5 + years	Ongoing
14_05	Repair or Enlarge Outfall Pipes along the Navesink River	The outfall pipes at the end of Haddon Park, Lewis Ln, Gillespie Ave, and River Road (county-owned) are failing and need repaired. A study on the existing outfalls is required to examine if the outfalls are at the correct elevation and if their capacity and length can withstand future storms and Sea Level Rise and present a permanent solution for the four outfall pipes.	Administrative	Structure and Infrastructure Project	Flood, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Medium	OEM Coordinator	Municipal budget, County budget		2 years	New
14_06	Rebuild the DPW Building and Upgrade Fuel Pumps for Continuity of Operations	The DPW building needs to be rebuilt with upgraded fuel pumps. During Superstorm Sandy, the DPW building supplied fuel to Sandy Hook	Maintenance/Respon se/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Medium	Borough	Municipal budget	\$35,000.00	2 years	New
14_07	Acquire, elevate, or relocate buildings and infrastructure in flood prone areas, with a focus on Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties	There are currently no RL or SRL properties in the Borough; however, the Borough realizes the floodplain changes over time and the risk is always present. If in the next five years properties become RL/SRL, the Borough will coordinate with residents to mitigate properties through structure elevation, demolition to open space, or another type of mitigation.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Flood, Nor'easter, Hurricane and Tropical Storm	High	Medium	Borough and Property Owners	FEMA HMA		5 + years	New
14_08	Construct Flood Measure (e.g. floodwalls or berms) along Fourth Creek	Use minor structural projects that are smaller and more localized (e.g., floodwalls or small berms) along Fourth Creek, which causes flooding in the Borough.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Flood, Wave Action, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Medium	Borough Engineering	FEMA HMA		2 years	New

Fair Haven, Borough 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
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14_09	Create a Plan to Manage Development in Landslide Hazard Areas	Create a plan to implement reinforcement measures in high-risk areas.	Administrative	Local Plans and Regulations	Landslide	Low	Low	Borough	Municipal Budget		3 years	New
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# Monmouth County Mitigation Action Worksheets

Community Action Number: 14\_01

Fair Haven, Borough of

## Describing the Action

Action Name:	Remove Overhead Transmission Lines and Place Underground
Action Category:	Mitigation - Continuity of Fuctional Use
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Remove poles and bury overhead power transmission lines underground in the area of town that has the most potential for power line failure.

## Evaluating the Action

Hazard(s) Addressed:	Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Winter Storm
Goals:	1, 2, 3, 5, 6, 7
Risk Reduction:	Downed trees on power lines contribute to power outages during severe storms with high winds.
Technical:	Although the cost is high it has been done in other towns and has improved reliability.
Political:	Any improvement would be well supported.
Legal:	The community doesn't own the power lines or poles, but if they paid for project they will move to underground.
Environmental:	No anticipated adverse environmental effects.
Social:	Project will benefit the entire town.
Administrative Capability:	Power lines are owned and maintained by JCP&L.
Local Champion:	All borough departments are supportive of plan.
Other Community Objectives:	By removing poles and overhead wires from streets it would improve landscape of area.
STAPLEE Evaluation:	N/A

## Implementing the Action

Cost Estimate:	\$2,000,000.00
Priority:	Low
Scale of Ease of Implementation:	Medium
Responsible Party:	Chief Joseph McGovern, Fair Haven OEM
Local Planning Mechanism:	Require future projects to place transmission lines underground.
Likely Funding Source(s):	Municipal budget
Timeline:	5 + years
Action Status:	Ongoing
Notes:	Ongoing action from 2015; the Borough is searching for potential funding opportunities to relocate the lines underground.

# Monmouth County Mitigation Action Worksheets

Community Action Number: 14\_02

Fair Haven, Borough of

## Describing the Action

Action Name:	Remove or Trim Trees Near Power Transmission Lines
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Remove or trim large borough trees near power transmission lines.

## Evaluating the Action

Hazard(s) Addressed:	Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Winter Storm
Goals:	1, 2, 3, 5, 6
Risk Reduction:	Downed trees on power lines contribute to power outages during severe storms with high winds.
Technical:	Tree removal and trimming has been done in other area, helping with future reliability.
Political:	Any improvement would be well supported.
Legal:	The Borough would remove or trim all trees owned by them near power lines.
Environmental:	No anticipated adverse environmental effects.
Social:	Project will benefit the entire town.
Administrative Capability:	Trees experts would be hired to complete project.
Local Champion:	All borough departments are supportive of plan.
Other Community Objectives:	By removing poles and overhead wires from streets it would improve landscape of area.
STAPLEE Evaluation:	N/A

## Implementing the Action

Cost Estimate:	\$2,000,000.00
Priority:	Low
Scale of Ease of Implementation:	Low
Responsible Party:	Chief Joseph McGovern, Fair Haven OEM
Local Planning Mechanism:	By removing poles and overhead wires from streets it would improve landscape of area.
Likely Funding Source(s):	Municipal budget
Timeline:	5 + years
Action Status:	Ongoing
Notes:	Ongoing action from 2015; the Borough is searching for potential funding opportunities to implement a tree trimming program.

# Monmouth County Mitigation Action Worksheets

Community Action Number: 14\_03

Fair Haven, Borough of

## Describing the Action

Action Name: Purchase and Install a Natural Gas Generator Borough Hall/DPW Building

Action Category:

Action Type: Structure and Infrastructure Project

HMA Eligible Activity: Generators

Action Description: Purchase and Install a natural gas generator Borough Hall/DPW building for loss of power in buildings.

## Evaluating the Action

Hazard(s) Addressed: All Hazards

Goals: 1, 2, 3, 7

Risk Reduction: Whenever borough hall and DPW buildings lose power these buildings cannot operate and therefore the borough cannot operate business.

Technical: Install continues use natural gas generators.

Political: Any improvement would be well supported.

Legal: The Borough would purchase generators and license electrician would install.

Environmental: No anticipated adverse environmental effects.

Social: Does not adversely affect any particular social group. Perceived by the public to be beneficial because Borough Hall is a critical facility for the community.

Administrative Capability: Borough Engineer has spec out generators.

Local Champion: All borough departments are supportive of plan.

Other Community Objectives:

STAPLEE Evaluation: N/A

## Implementing the Action

Cost Estimate: \$72,000.00

Priority:

Scale of Ease of Implementation:

Responsible Party: Fair Haven OEM

Local Planning Mechanism: Hazard Mitigation Plan

Likely Funding Source(s):

Timeline:

Action Status: Completed

Notes: HMGP pending obligation as 2020 for Borough Hall (\$23,100) and DPW (\$15,150)  
HMGP was award for the Energy Allocation (\$47,920) for generators.

# Monmouth County Mitigation Action Worksheets

Community Action Number: 14\_04

Fair Haven, Borough of

## Describing the Action

Action Name:	Acquire Two Flood-prone Properties and Convert to Open Space
Action Category:	Mitigation - Risk Reduction
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Property Acquisition and Structure Demolition
Action Description:	Purchase property the end of Fair Haven Rd (21 Fair Haven Rd) and two properties along the Navesink Rd.; demolish each house (two are vacant since Superstorm Sandy) and convert to open space. Properties is located in a low-lying area on the Navesink River.

## Evaluating the Action

Hazard(s) Addressed:	Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge, Winter Storm
Goals:	1, 2, 3, 5, 6
Risk Reduction:	Mapped flood hazard areas are limited very close to the shoreline of the Navesink River and its tributaries; though areas mapped as potentially susceptible to storm surge in Fair Haven are fairly extensive. Sea Level Rise and climate change will contribute to more frequent and severe flooding and surge events over a larger area.
Technical:	Action is feasible.
Political:	Any improvement would be well supported.
Legal:	Property is privately owned and would have to be purchased.
Environmental:	No anticipated adverse environmental effects.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has the ability to maintain property if purchased.
Local Champion:	All borough departments are supportive of plan.
Other Community Objectives:	Would create open space and a park.
STAPLEE Evaluation:	11

## Implementing the Action

Cost Estimate:	\$3,000,000.00
Priority:	High
Scale of Ease of Implementation:	Medium
Responsible Party:	Fair Haven OEM
Local Planning Mechanism:	Hazard Mitigation Plan, NJOEM
Likely Funding Source(s):	FEMA HMA
Timeline:	5 + years
Action Status:	Ongoing
Notes:	21 Fair Haven Rd is an ongoing action from 2015; Borough added two more flood prone properties to this mitigation action.



# Monmouth County Mitigation Action Worksheets

Community Action Number: 14\_05

Fair Haven, Borough of

## Describing the Action

Action Name:	Repair or Enlarge Outfall Pipes along the Navesink River
Action Category:	Administrative
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Localized Flood Risk Reduction Projects
Action Description:	The outfall pipes at the end of Haddon Park, Lewis Ln, Gillespie Ave, and River Road (county-owned) are failing and need repaired. A study on the existing outfalls is required to examine if the outfalls are at the correct elevation and if their capacity and length can withstand future storms and Sea Level Rise and present a permanent solution for the four outfall pipes.

## Evaluating the Action

Hazard(s) Addressed:	Flood, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	2, 3, 5, 6
Risk Reduction:	The existing outfall pipes are getting clogged which leads to localized flooding.
Technical:	Action is feasible.
Political:	Any improvement would be well supported.
Legal:	Must coordinate with Monmouth County on the River Rd. outfall, since it is owned by the County.
Environmental:	No anticipated adverse environmental effects.
Social:	Project will benefit the entire town.
Administrative Capability:	Borough has the ability to conduct study.
Local Champion:	OEM
Other Community Objectives:	
STAPLEE Evaluation:	N/A

## Implementing the Action

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

# Monmouth County Mitigation Action Worksheets

Community Action Number: 14\_06

Fair Haven, Borough of

## Describing the Action

Action Name:	Rebuild the DPW Building and Upgrade Fuel Pumps for Continuity of Operations
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	The DPW building needs to be rebuilt with upgraded fuel pumps. During Superstorm Sandy, the DPW building supplied fuel to Sandy Hook

## Evaluating the Action

Hazard(s) Addressed:	All Hazards
Goals:	2, 3, 5, 6, 7
Risk Reduction:	The DPW building is over 40 years old and is in need of major structural repair. Above ground fuel tanks are over 20 years old and the tanks are beginning to rust and bowing out in the center of tank.
Technical:	Action is feasible.
Political:	Any improvement would be well supported.
Legal:	Borough property.
Environmental:	No adverse environmental impact anticipated.
Social:	Project will benefit the entire town.
Administrative Capability:	Borough 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:	\$35,000.00
Priority:	Medium
Scale of Ease of Implementation:	Medium
Responsible Party:	Borough
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: 14\_07

Fair Haven, Borough 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:	There are currently no RL or SRL properties in the Borough; however, the Borough realizes the floodplain changes over time and the risk is always present. If in the next five years properties become RL/SRL, the Borough will coordinate with residents to mitigate properties through structure elevation, demolition to open space, or another type of mitigation.

## Evaluating the Action

Hazard(s) Addressed:	Flood, Nor'easter, Hurricane and Tropical Storm
Goals:	1, 2, 3, 6
Risk Reduction:	Risk of future destruction and property loss in repetitive flooded areas.
Technical:	Technically feasible.
Political:	No adverse political ramifications are expected.
Legal:	If structures are elevated, they must be built in compliance with the FEMA flood maps.
Environmental:	Positively impacts the environment by increasing the permeable surface for each homeowner property.
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:	There is 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:	Medium
Responsible Party:	Borough and Property Owners
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	FEMA HMA
Timeline:	5 + years
Action Status:	New
Notes:	

# Monmouth County Mitigation Action Worksheets

Community Action Number: 14\_08

Fair Haven, Borough of

## Describing the Action

Action Name:	Construct Flood Measure (e.g. floodwalls or berms) along Fourth Creek
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 Fourth Creek, which causes flooding in the Borough.

## Evaluating the Action

Hazard(s) Addressed:	Flood, Wave Action, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	2, 3, 5
Risk Reduction:	Pine Brook causes flooding in the Borough.
Technical:	Technically feasible.
Political:	No adverse political implications.
Legal:	May require coordination with NJDEP.
Environmental:	Minor affects to the environment.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough 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:	Medium
Responsible Party:	Borough Engineering
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	FEMA HMA
Timeline:	2 years
Action Status:	New

Notes:

# Monmouth County Mitigation Action Worksheets

Community Action Number: 14\_09

Fair Haven, Borough of

## Describing the Action

Action Name: Create a Plan to Manage Development in Landslide Hazard Areas

Action Category: Administrative

Action Type: Local Plans and Regulations

HMA Eligible Activity: Miscellaneous/Other/NA

Action Description: Create a plan to implement reinforcement measures in high-risk areas.

## Evaluating the Action

Hazard(s) Addressed: Landslide

Goals: 1, 2, 5

Risk Reduction: There is a high probability of future landslide events (mostly slumps and slump blocking) in the northeast portion of the County along the shore of the Navesink River.

Technical: Technically feasible.

Political: There are no anticipated political implications.

Legal: There are no anticipated legal implications.

Environmental: Does not adversely affect the environment.

Social: Does not adversely affect any particular social group.

Administrative Capability: Borough has the capability to create a plan.

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: Borough

Local Planning Mechanism: Hazard Mitigation Plan

Likely Funding Source(s): Municipal Budget

Timeline: 3 years

Action Status: New

Notes:

# CAPABILITY ASSESSMENT WORKSHEET

Name: Chief Joseph McGovern

Title: Police Chief/OEM

Jurisdiction: Fair Haven Borough

Organization: FH OEM

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	No	
Local Emergency Operations Plan	Yes	
Continuity of Operations Plan		
Post-Disaster Recovery Plan	No	
Transportation Plan		
Stormwater Management Plan	Yes	
Community Wildfire Protection Plan		



## CAPABILITY ASSESSMENT WORKSHEET

Other special plans (e.g., brownfields redevelopment, disaster recovery, coastal zone management, climate change adaptation)	Yes	<ul style="list-style-type: none"> <li>NJ FRAMES</li> <li>Debris Management Plan</li> <li>Getting to Resilience (2018)</li> </ul>
<b>Building Code, Permitting, and Inspections</b>	<b>Yes/No</b>	<b>Are codes adequately enforced?</b>
Building Code	Yes	Version/Year:
Building Code Effectiveness Grading Schedule (BCEGS) Score		Score:
Fire Department ISO rating		Rating:
Site Plan Review Requirements	Yes	
<b>Land Use Planning and Ordinances</b>	<b>Yes/No</b>	<b>Is the ordinance an effective measure for reducing hazard impacts?</b> <b>Is the ordinance adequately administered and enforced?</b>
Zoning Ordinance	Yes	
Subdivision Ordinance	Yes	
Floodplain Ordinance		
Natural hazard ordinance (stormwater, steep slope, wildfire)		
Flood Insurance Rate Maps	Yes	
Acquisition of Land for Open Space and Public Recreation Uses		
Post-Disaster Recovery Ordinance	No	
Real Estate Disclose Ordinance	No	



## CAPABILITY ASSESSMENT WORKSHEET

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

### 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)		Shade Tree Commission to remove trees
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	No	
Emergency Manager	Yes	
Community Planner	Yes	





## CAPABILITY ASSESSMENT WORKSHEET

Civil Engineer	Yes	
Surveyor	No	
GIS Coordinator	No	
Scientists familiar with the hazards of the community	No	
Other	Yes	Outfall pipe mapping
<b>Technical</b>	<b>Yes/No</b>	<b>Describe capability Has capability been used to access/mitigate risk in the past?</b>
Warning Systems/Services (Reverse 911, outdoor warning signals)		
Hazard Data and Information		
Grant Writing	Yes	
Hazus Analysis	No	
Other		
<b>How can the above capabilities be expanded and improved to reduce risk?</b>		



## 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	No	
Stormwater Utility Fee		
Incur Debt Through Private Activities	No	
Community Development Block Grant	Yes	
Other Federal Funding Programs	No	
State Funding Programs		
Other (e.g., withhold spending in hazard-prone areas)	Yes	Incur Debt through Special Tax and Revenue Bond
<b>How can these capabilities be expanded and improved to reduce risk?</b>		



## 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)		
Natural Disaster or Safety Related School Programs		
StormReady Certification		
Firewise Communities Certification		
Public-Private Partnership Initiatives Addressing Disaster Related Issues	Yes	Came up with a living shore line design with Stevens University.
Other		
<b>How can these capabilities be expanded and improved to reduce risk?</b>		







# FAIR HAVEN BOROUGH FLOOD VULNERABILITY

MONMOUTH COUNTY HAZARD MITIGATION PLAN



**Building Classification**

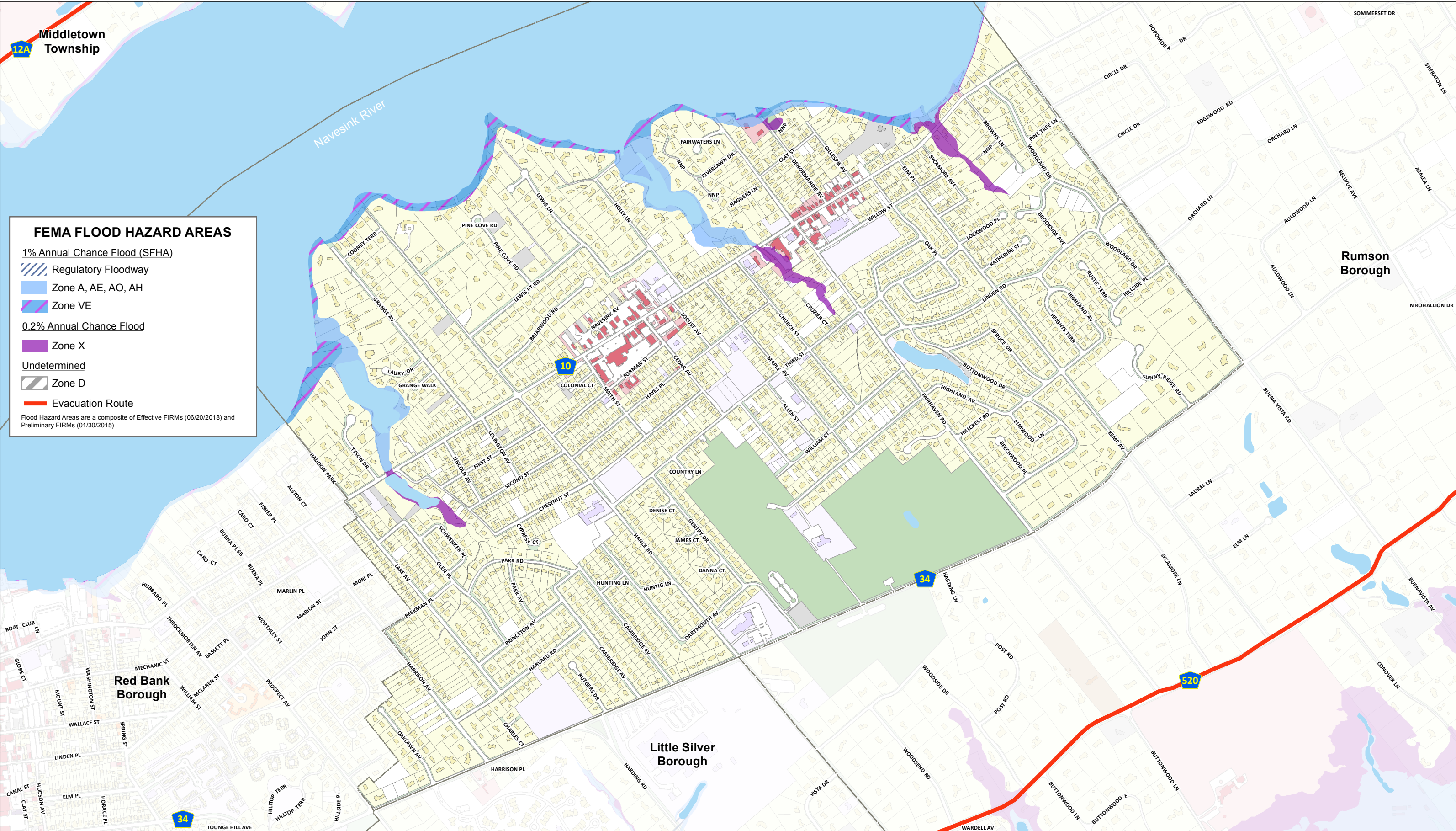
Industrial	Commercial	Apartment	Residential (four families or less)
Farm	Vacant	Civic/Public (Tax Exempt)	Unclassified

**Parcel Classification**

Industrial	Commercial	Apartment	Residential (four families or less)
Farm	Vacant	Civic/Public (Tax Exempt)	Unclassified
			Open Space

0 450 900 Feet

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



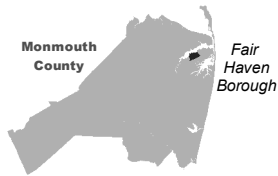
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# FAIR HAVEN BOROUGH FLOOD VULNERABILITY

MONMOUTH COUNTY HAZARD MITIGATION PLAN

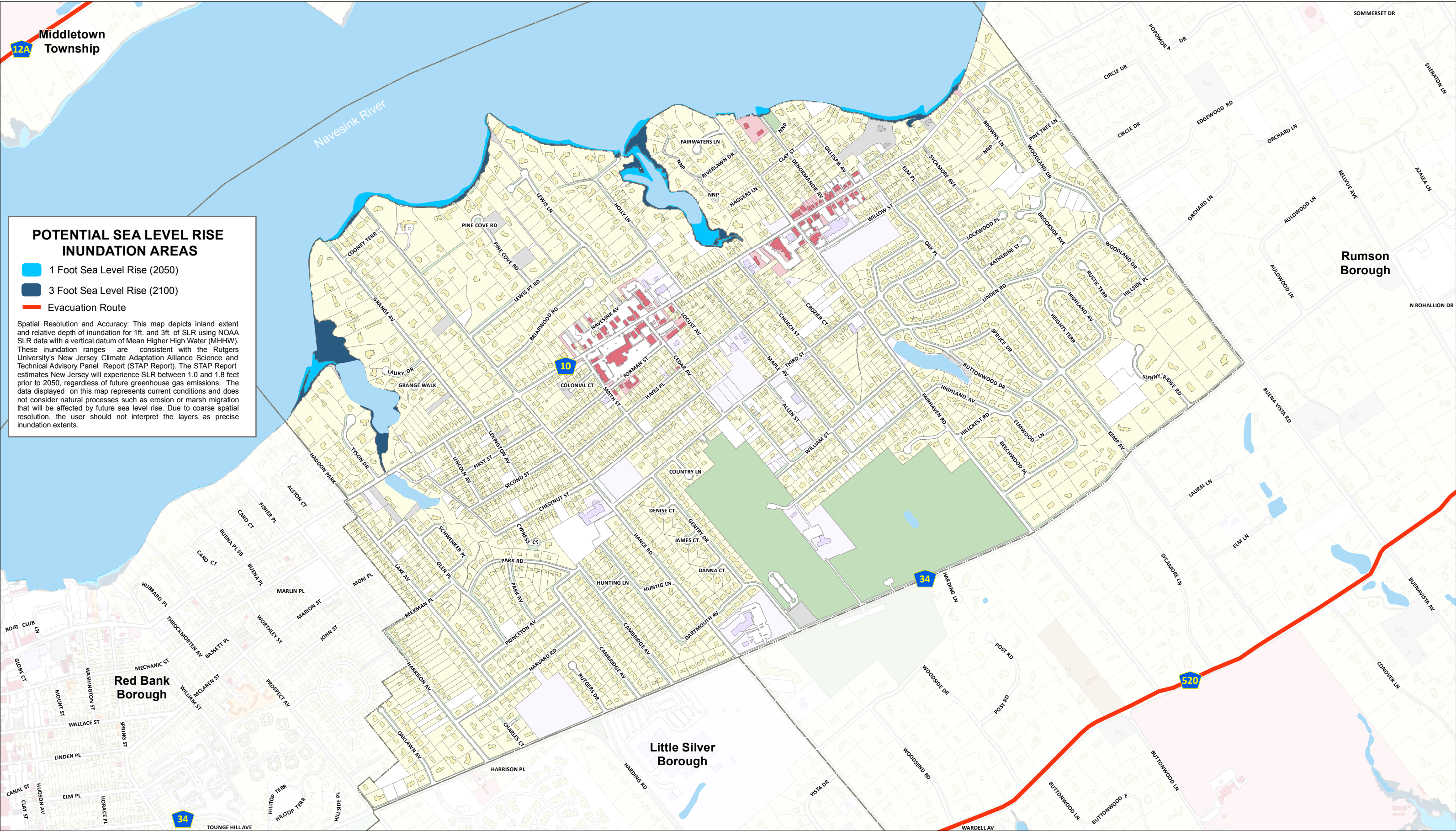
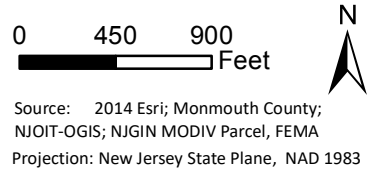


- Building Classification**

Industrial	Commercial	Apartment	Residential (four families or less)
Farm	Vacant	Civic/Public (Tax Exempt)	Unclassified

**Parcel Classification**

Industrial	Commercial	Apartment	Residential (four families or less)
Farm	Vacant	Civic/Public (Tax Exempt)	Unclassified
			Open Space



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## MEETING NOTES

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**Topic:** Fair Haven- Monmouth County HMP Meeting

**Date:** May 13, 2019

**Time:** 11:00 AM- 12:00 PM

**Location:** Fair Haven, NJ Police Headquarters

**Attendees:** Joseph, McGovern, OEM/ Police Chief

Michael McGlennon, Monmouth County Deputy OEM Coordinator

Richard Gardella, Borough Engineer

Brittany Ashman, MB Planner

Paige Kaspar, MB Planner

**Drafted by:** Paige Kaspar

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### Introductions (Brittany):

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

### Hurricane Sandy:

- With sandy may have had one or two structures damaged but fairly lucky.
- One of the two homes is vacant still. Town would like to acquire this property. Listed as an ongoing mitigation. Looking to get the home appraised.

### 2020 Mitigation Actions:

- County Outfall is severely clogged. Temporarily taken care of it. Near Navesink tributary. Permanent solution would be beneficial. Is it at the right elevation? Capacity? Length? Control surge from high tide.
- Haddon Park outfall near municipal boundary. Outfall needs attention.
- End of Lewis lane outfall needs attention.



- De Normandie Ave outfall needs attention.
- 4<sup>th</sup> creek did some bulkhead work.. groin has changed its natural course we haven't studied it and seen its effects on flooding. Mitigation Action. Study this area to come up with a solution.
- Put in new fuel pumps. Is there funding available? Provided fuel to everyone on peninsula.

**Accomplishments:**

- End of Grange Ave outfall is being taken care of with Monmouth county open space funding
- End of Hance Rd. stabilization is undermined but is being taken care of by the town.
- Boat ramp complete design combined work with above outfall projects.
- Acquired property on 78<sup>th</sup> and Normandy
- Gillespie Ave outfall failure . Was able to do a permanent repair funded by the boro.
- Rebuilding DPW building at same site. Critical facility
- Received generators with HMGP money

**Capabilities:**

- Came up with a living shore line design with Stevens
- Fair haven field for debris management -→ debris management plan underway
- Billing Department → Municipal Services shared
- Shade Tree program
- Stormwater management plan-→ in the process of updating
- ADA Sickle School



Monmouth County  
Multi-Jurisdictional Hazard Mitigation Plan Update



Michael Baker  
INTERNATIONAL

Meeting: Fair Haven HMP

Date: 05-13-19

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