

## *Appendix Vol I.26 Little Silver 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

**336** *Polices In-force*

**394** *Total Losses*

**\$33,193,284** *Total Payments*

**24** *Number of RL Properties*

**1** *Number Mitigated  
RL Properties*

**60** *RL - Total Losses*

**\$4,582,654** *RL - Total Paid*

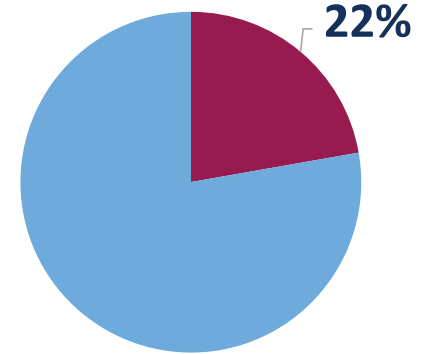


**1** *Number of SRL Properties*

**0** *Number Mitigated SRL  
Properties*

**5** *SRL - Total Losses*

**\$148,133** *SRL - Total Paid*



Percent Land Area Within SFHA

**9**

*Total Mitigation  
Actions*

**0**



*Education and Awareness Programs*

**9**



*Structure and Infrastructure Projects*

**0**



*Local Plans and Regulations*

**0**



*Natural Systems Protection*

## Critical Facilities

**10** *Critical Facilities*

**1** *Critical Infrastructure*

**41** *Historic & Cultural Resources*



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

**1,316** *Population at Risk (2017)*

Little Silver, 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
26_01	Improve Stormwater Runoff and Drainage by Upgrading Infrastructure and Clean Streams	The Borough improves their stormwater system every year with their yearly roadway program, updating drainage inlets to eco-grates. Develop mitigation steps to reduce damage and losses due to flooding through control of stormwater runoff and more efficient drainage and discharge to three major streams. Stream cleaning reduces sediment/debris within watershed providing better overall volume flow throughout the Borough.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Nor'easter, Hurricane and Tropical Storm	High	Low	Borough Engineer	Municipal budget	\$50,000.00	1 year	Ongoing
26_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	The Borough is proposing mitigation through house elevation and acquisition for homes within the 100-year flood zone, specifically RL/SRL properties.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Flood, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Medium	Borough Engineer	FEMA HMA	\$24,990,000.00	5 + years	Ongoing
26_03	Repair Outfall Drainage Pipe and Install Tide Flex Valve	The Borough is proposing mitigation of each drainage outfall pipe located within the Borough. The installation of a tide flex valve is proposed to migrate storm surge within the Borough existing storm drain system to help protect during a flooding event.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Storm Surge	High	Medium	Borough - Engineer	FEMA HMA	\$200,000.00	1 year	Ongoing
26_04	Install a Regional Dyke Structure along the Sandy Hook Inlet	The Army Corp of Engineers is proposing a regional dyke structure along the Sandy Hook Inlet into the Navesink and Shrewsbury River. The installation of a dyke structure is proposed to mitigate storm surge within the Borough existing storm drain system to help protect during a flooding event.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Storm Surge	High	High	Army Corp of Engineers	FEMA HMA, Army Corp of Engineers	\$30,000,000.00	1 year	Ongoing
26_05	Purchase and Install Generators for Critical Facilities	Purchase and install a generator at Red Bank Regional High School, DPW Annex, Municipal Building, Point Rd. School, Fire/EMS, and the pump house at Fairview Ave.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Low	Low	Borough OEM	FEMA HMA	\$200,000.00	2 years	New
26_06	Target Harden Critical Facilities by Installing Surveillance Cameras, Panic Buttons, and/or Bulletproof Glass	Fortify the Woman's Club; enhance camera system at DPW/Verizon tower, train station platform, sewer pumps; and harden the municipal building through bulletproof glass in entry, portable metal detectors (est. \$7,000), a camera system, panic buttons, and harden the exterior of the building.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Terrorism	Medium	Low	Borough Administration	Homeland Security grants		2 years	New
26_07	Improve Communications between Police Officers	New internet provider (ISP) for police/borough communications to enable responders to communicate with each other and community members.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Low	Borough Police	Homeland Security grants		1 year	New
26_08	Elevate Seven Bridges Rd. Above the Flood Zone	Coordinate with the County to elevate Seven Bridges Rd. above the Flood Zone	Mitigation - Continuity of Functional Use	Structure and Infrastructure Project	Flood, Wave Action, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Medium	Monmouth County and Borough Engineering	FEMA HMA, County funding, municipal funding	\$10,000,000.00	2 years	New

Little Silver, 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
26_09	Purchase Tree Trimming Equipment	Purchase new tree-trimming equipment, such as a tree shredder.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Wildfire	Medium	Low	DPW	Municipal budget		2 years	New
26_10	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

# Monmouth County Mitigation Action Worksheets

Community Action Number: 26\_01

Little Silver, Borough of

## Describing the Action

Action Name:	Improve Stormwater Runoff and Drainage by Upgrading Infrastructure and Clean Streams
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	The Borough improves their stormwater system every year with their yearly roadway program, updating drainage inlets to eco-grates. Develop mitigation steps to reduce damage and losses due to flooding through control of stormwater runoff and more efficient drainage and discharge to three major streams. Stream cleaning reduces sediment/debris within watershed providing better overall volume flow throughout the Borough.

## Evaluating the Action

Hazard(s) Addressed:	Flood, Nor'easter, Hurricane and Tropical Storm
Goals:	2, 3, 5
Risk Reduction:	Streams and ditches do not convey stormwater runoff as efficiently as they should; this results in flooding in several areas.
Technical:	Technically feasible.
Political:	No apparent political issues.
Legal:	No apparent legal issues.
Environmental:	Na adverse environmental effects. Will help improve flood control and debris within watershed.
Social:	Borough of Little Silver residents.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Residents of Little Silver, Borough Environmental Commission
Other Community Objectives:	Municipal Stormwater Management Regulation Program
STAPLEE Evaluation:	N/A

## Implementing the Action

Cost Estimate:	\$50,000.00
Priority:	High
Scale of Ease of Implementation:	Low
Responsible Party:	Borough Engineer
Local Planning Mechanism:	Municipal Stormwater Management Regulation Program
Likely Funding Source(s):	Municipal budget
Timeline:	1 year
Action Status:	Ongoing
Notes:	Ongoing 2015 action; completed the upgrade of drainage inlets to eco grates. Stream cleaning is ongoing.

# Monmouth County Mitigation Action Worksheets

Community Action Number: 26\_02

Little Silver, 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:	The Borough is proposing mitigation through house elevation and acquisition for homes within the 100-year flood zone, specifically RL/SRL properties.

## Evaluating the Action

Hazard(s) Addressed:	Flood, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	2, 3, 5,
Risk Reduction:	Approximately, 98 single family homes are within the 100-year flood zone throughout the Borough. During extreme storm events these properties can experience flooding and property damage.
Technical:	Technically feasible. Will help prevent flood damage to residential homes.
Political:	No apparent political issues.
Legal:	No apparent legal issues.
Environmental:	No adverse environmental effects. Will help improve flood loss and mitigate debris entering into the river.
Social:	Will help residents along shoreline area of the Borough within the 100-year flood zone
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Residents along the shoreline.
Other Community Objectives:	Flood Damage Prevention Ordinance
STAPLEE Evaluation:	11

## Implementing the Action

Cost Estimate:	\$24,990,000.00
Priority:	High
Scale of Ease of Implementation:	Medium
Responsible Party:	Borough Engineer
Local Planning Mechanism:	Flood Damage Prevention Ordinance
Likely Funding Source(s):	FEMA HMA
Timeline:	5 + years
Action Status:	Ongoing
Notes:	Pending obligation as of 2020 for Elevation of 114 homes.

# Monmouth County Mitigation Action Worksheets

Community Action Number: 26\_03

Little Silver, Borough of

## Describing the Action

Action Name:	Repair Outfall Drainage Pipe and Install Tide Flex Valve
Action Category:	Mitigation - Risk Reduction
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Mitigation Reconstruction
Action Description:	The Borough is proposing mitigation of each drainage outfall pipe located within the Borough. The installation of a tide flex valve is proposed to migrate storm surge within the Borough existing storm drain system to help protect during a flooding event.

## Evaluating the Action

Hazard(s) Addressed:	Storm Surge
Goals:	2, 3, 5, 6
Risk Reduction:	There is back flow of ocean into the Shrewsbury River.
Technical:	Technically feasible. Will help prevent flood damage to residential homes.
Political:	No apparent political issues.
Legal:	No apparent legal issues.
Environmental:	No adverse environmental effects.
Social:	Will help residents along shoreline area of the borough and within the lowline areas of the drainage system.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Residents of the Borough
Other Community Objectives:	Flood Damage Prevention Ordinance
STAPLEE Evaluation:	11

## Implementing the Action

Cost Estimate:	\$200,000.00
Priority:	High
Scale of Ease of Implementation:	Medium
Responsible Party:	Borough - Engineer
Local Planning Mechanism:	Flood Damage Prevention Ordinance
Likely Funding Source(s):	FEMA HMA
Timeline:	1 year
Action Status:	Ongoing
Notes:	Ongoing 2015 action; the tide/flex valves don't work and a new solution is needed to protect the tide/flex valves.

# Monmouth County Mitigation Action Worksheets

Community Action Number: 26\_04

Little Silver, Borough of

## Describing the Action

Action Name:	Install a Regional Dyke Structure along the Sandy Hook Inlet
Action Category:	Mitigation - Risk Reduction
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Localized Flood Risk Reduction Projects
Action Description:	The Army Corp of Engineers is proposing a regional dyke structure along the Sandy Hook Inlet into the Navesink and Shrewsbury River. The installation of a dyke structure is proposed to mitigate storm surge within the Borough existing storm drain system to help protect during a flooding event.

## Evaluating the Action

Hazard(s) Addressed:	Storm Surge
Goals:	2, 3, 4, 5, 7
Risk Reduction:	More than 50 percent of Little Silver lies within mapped storm surge hazard areas (tidal waters surging up the Shrewsbury River). New age restricted housing is within the mapped storm surge hazard area. Sea level rise and climate change will contribute to more frequent and severe flooding and surge events over a larger area. Climate change will contribute to more frequent and severe weather events.
Technical:	Technically feasible. Will help prevent flood damage to residential homes.
Political:	Politically acceptable and encouraged.
Legal:	Inter-local agreements with surrounding municipalities.
Environmental:	No adverse environmental effects. Design must confirm no additional flooding along coast
Social:	Will help residents along shoreline area of the region and within the Jawline areas of the drainage system.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Residents and Municipalities surrounding the Navesink and Shrewsbury
Other Community Objectives:	Flood Damage Prevention Ordinance
STAPLEE Evaluation:	11

## Implementing the Action

Cost Estimate:	\$30,000,000.00
Priority:	High
Scale of Ease of Implementation:	High
Responsible Party:	Army Corp of Engineers
Local Planning Mechanism:	Flood Damage Prevention Ordinance
Likely Funding Source(s):	FEMA HMA, Army Corp of Engineers
Timeline:	1 year
Action Status:	Ongoing
Notes:	Ongoing 2015 action; although the Army Corp of Engineers is lead on this project, the Borough supports this action.



# Monmouth County Mitigation Action Worksheets

Community Action Number: 26\_05

Little Silver, Borough 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 a generator at Red Bank Regional High School, DPW Annex, Municipal Building, Point Rd. School, Fire/EMS, and the pump house at Fairview Ave.

## Evaluating the Action

Hazard(s) Addressed:	All Hazards
Goals:	1, 2, 5, 7
Risk Reduction:	Red Bank Regional High School serves as a staging area, the Municipal Building serves as a warming/cooling station, and the Fairview Ave pump house, Fire/EMS station, and DPW Annex service the borough during emergencies; all facilities need backup power.
Technical:	Technically feasible.
Political:	No adverse political ramifications are expected.
Legal:	No legal impediments anticipated.
Environmental:	No adverse environmental impact anticipated.
Social:	Does not adversely affect any particular social group. Perceived by the public to be beneficial because the generators will help keep critical local services operational during emergencies.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action
Local Champion:	OEM
Other Community Objectives:	
STAPLEE Evaluation:	N/A

## Implementing the Action

Cost Estimate:	\$200,000.00
Priority:	Low
Scale of Ease of Implementation:	Low
Responsible Party:	Borough OEM
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: 26\_06

Little Silver, Borough of

## Describing the Action

Action Name:	Target Harden Critical Facilities by Installing Surveillance Cameras, Panic Buttons, and/or Bulletproof Glass
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	Fortify the Woman's Club; enhance camera system at DPW/Verizon tower, train station platform, sewer pumps; and harden the municipal building through bulletproof glass in entry, portable metal detectors (est. \$7,000), a camera system, panic buttons, and harden the exterior of the building.

## Evaluating the Action

Hazard(s) Addressed:	Terrorism
Goals:	1, 2, 3, 5, 7
Risk Reduction:	These critical facilities are vulnerable to a terrorist attack or smaller crimes, such as vandalism. These areas need to be monitored and more secure.
Technical:	Technically feasible.
Political:	No adverse political ramifications are expected.
Legal:	No legal impediments anticipated.
Environmental:	No adverse environmental impact anticipated.
Social:	Does not adversely affect any particular social group. Perceived by the public to be beneficial because they will be better protected against terrorism.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Police, OEM
Other Community Objectives:	
STAPLEE Evaluation:	N/A

## Implementing the Action

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

# Monmouth County Mitigation Action Worksheets

Community Action Number: 26\_07

Little Silver, Borough of

## Describing the Action

Action Name:	Improve Communications between Police Officers
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	New internet provider (ISP) for police/borough communications to enable responders to communicate with each other and community members.

## Evaluating the Action

Hazard(s) Addressed:	All Hazards
Goals:	1, 2, 3, 5, 7
Risk Reduction:	There are areas within the borough that have no service for the repeaters, which are used 1,000 times a week.
Technical:	Technically feasible.
Political:	No political obstacles anticipated.
Legal:	No legal barriers expected.
Environmental:	No adverse environmental impacts.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Police, OEM
Other Community Objectives:	
STAPLEE Evaluation:	N/A

## Implementing the Action

Cost Estimate:	
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Borough Police
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	Homeland Security grants
Timeline:	1 year
Action Status:	New
Notes:	

# Monmouth County Mitigation Action Worksheets

Community Action Number: 26\_08

Little Silver, Borough of

## Describing the Action

Action Name:	Elevate Seven Bridges Rd. Above the Flood Zone
Action Category:	Mitigation - Continuity of Fuctional Use
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Structure Elevation
Action Description:	Coordinate with the County to elevate Seven Bridges Rd. above the Flood Zone

## Evaluating the Action

Hazard(s) Addressed:	Flood, Wave Action, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	2, 3, 5, 7
Risk Reduction:	Seven Bridges Rd. is an evacuation route and is constantly flooded by Little Silver Creek, a tributary of the Shrewsbury River.
Technical:	Technically feasible.
Political:	No adverse political ramifications are expected.
Legal:	Must work with Monmouth County, as Seven Bridges is a county bridge.
Environmental:	May require DEP permitting.
Social:	Does not adversely affect any particular social group. Perceived by the public to be beneficial because this is an evacuation route.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action
Local Champion:	OEM, Police, First Aid
Other Community Objectives:	
STAPLEE Evaluation:	N/A

## Implementing the Action

Cost Estimate:	\$10,000,000.00
Priority:	High
Scale of Ease of Implementation:	Medium
Responsible Party:	Monmouth County and Borough Engineering
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	FEMA HMA, County funding, municipal funding
Timeline:	2 years
Action Status:	New

Notes:

# Monmouth County Mitigation Action Worksheets

Community Action Number: 26\_09

Little Silver, Borough of

## Describing the Action

Action Name:	Purchase Tree Trimming Equipment
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Purchase new tree-trimming equipment, such as a tree shredder.

## Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, 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:	Borough 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:	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: 26\_10

Little Silver, 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: No political obstacles anticipated.

Legal: No legal issues anticipated.

Environmental: No adverse environmental impacts.

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: 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: Kimberly A. Jungfer

Title: Administrator/Borough Clerk

Jurisdiction: Little Silver Borough

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	No	
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. 2008
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>Stormwater Pollution Prevention Plan (2019)</li> <li>Getting to Resilience</li> <li>NJFRAMES</li> </ul>
<b>Building Code, Permitting, and Inspections</b>	<b>Yes/No</b>	<b>Are codes adequately enforced?</b>
Building Code	No	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	Yes	Flood Damage Prevention Ordinance
Natural hazard ordinance (stormwater, steep slope, wildfire)	Yes	Stormwater Control 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 and Growth Management 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	Yes	
Mitigation Planning Committee		
Maintenance Programs to Reduce Risk (e.g., tree trimming, clearing drainage systems)	Yes	Upgrade roadway program includes drainage Shade Tree Commission (removes dangerous trees)
Mutual Aid Agreements	Yes	LESO (high water equipment & vehicles ) agreement
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	
Surveyor	Yes	
GIS Coordinator	Yes	
Scientists familiar with the hazards of the community	Yes	
Other		
<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)	Yes	Code Red Siren fire house
Hazard Data and Information	Yes	Facebook/Borough website
Grant Writing	Yes	
Hazus Analysis	Yes	
Other		
<b>How can the above capabilities be expanded and improved to reduce risk?</b>		
<p><b>Yes, radio communication, broadband (cellular for police cars), public safety on top on Verizon tower</b></p>		



## 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 General Obligation Funds
<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.

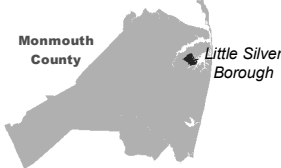
Program/Organization	Yes/No	Describe program/organization and how it relates to disaster resilience and mitigation. Could the program/organization help implement future mitigation activities?
Local Citizen Groups or Non-Profit Organizations Focused on Environmental Protection, Emergency Preparedness, 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		
Other		
<b>How can these capabilities be expanded and improved to reduce risk?</b>		





**LITTLE SILVER BOROUGH  
FLOOD VULNERABILITY**

MONMOUTH COUNTY HAZARD MITIGATION PLAN



**Building Classification**

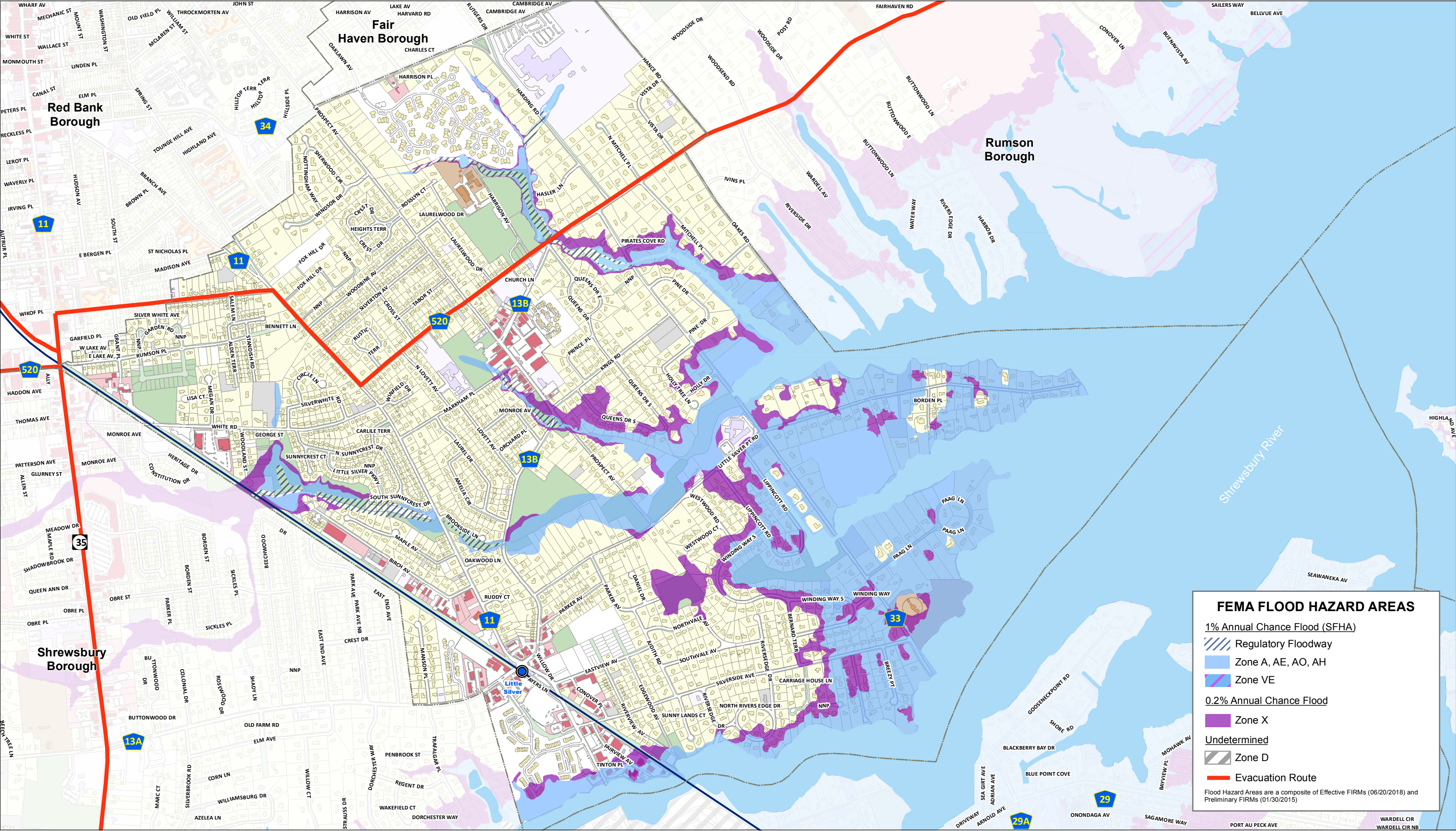
Industrial	Commercial	Apartment	Residential (four families or less)
Farm	Vacant	Civic/Public (Tax Exempt)	Unclassified

**Parcel Classification**

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

0 600 1,200 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 FIRMs (06/20/2018) and Preliminary FIRMs (01/30/2015)

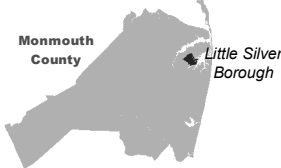
This map was developed using the 10-04-18 statewide composite of parcel data published by the NJOIT-OGIS. The State of New Jersey makes great effort to provide secure, accurate, and complete data and metadata. However, portions of the data and metadata may be incorrect or not current. Any errors or omissions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





# LITTLE SILVER BOROUGH FLOOD VULNERABILITY

## MONMOUTH COUNTY HAZARD MITIGATION PLAN



**Building Classification**

Industrial

Farm

Commercial

Vacant

Apartment

Civic/Public (Tax Exempt)

Residential (four families or less)

Unclassified

**Parcel Classification**

Industrial

Farm

Commercial

Vacant

Apartment

Civic/Public (Tax Exempt)

Residential (four families or less)

Unclassified

Open Space

06001,200

Feet

N

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

Projection: New Jersey State Plane, NAD 1983

**POTENTIAL SEA LEVEL RISE INUNDATION AREAS**

- 1 Foot Sea Level Rise (2050)
- 3 Foot Sea Level Rise (2100)
- Evacuation Route

Spatial Resolution and Accuracy: This map depicts inland extent and relative depth of inundation for 1ft. and 3ft. of SLR using NOAA SLR data with a vertical datum of Mean Higher High Water (MHHW). These inundation ranges are consistent with the Rutgers University's New Jersey Climate Adaptation Alliance Science and Technical Advisory Panel Report (STAP Report). The STAP Report estimates New Jersey will experience SLR between 1.0 and 1.8 feet prior to 2050, regardless of future greenhouse gas emissions. The data displayed on this map represents current conditions and does not consider natural processes such as erosion or marsh migration that will be affected by future sea level rise. Due to coarse spatial resolution, the user should not interpret the layers as precise inundation extents.

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## MEETING NOTES

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**Topic:** Little Silver- Monmouth County HMP Meeting

**Date:** July 2, 2019

**Time:** 12:00 PM- 1:00 PM

**Location:** Borough Office, 480 Prospect Ave., Little Silver

**Attendees:** Gregory Blash, Borough Engineer  
Kimberly Jungfer, Administrator  
Francis Salerno, OEM Coordinator  
Daniel Shaffery, Chief of Police  
Brittany Ashman, 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

### **2015 Mitigation Actions**

1. Community Action 26\_01 Drainage improvements Ongoing
  - Improve stormwater drainage
  - Completed updating drainage inlets to eco grates
  - Stream cleaning is ongoing
2. Community Action 26\_02 Raising of structure Ongoing
3. Community Action 26\_03 Outfall drainage improvements Ongoing
  - Tide/flex valves don't work
  - Need new solution to tide/flex valve, needs protecting
    - Back flow of ocean in Shrewsbury River
4. Community Action 26\_04 Regional drainage improvements Ongoing
  - Dyke structure
  - Army Corp responsible party



**2020 Mitigation Action (NEW):**

5. Red Bank HS: staging area, needs upgraded to power while building
  - DPW Annex, Birch Ave need new generator
  - Municipal building upgrade heating/cooling system (used as warming/cooling station)
  - Point Rd. school
  - Pump house Fairview Ave
  - Fire/EMS station upgrade generator
6. Harden security
  - Around women's club Fortify building
  - Backup servers
  - DPW enhance cameras, annex new cameras
  - Municipal building - harden entry way (bullet proof), metal detection (portable \$7,000), upgrade cameras at Borough Hall, more panic buttons throughout Borough Hall, harden exterior of building
  - Train station platform needs more cameras
  - Sewer pump house camera & fencing Fairview Ave
  - Camera for Public Works/Verizon Tower
7. Improve communications
  - Mobile repetors black outs in towns for police vehicles (used 1,000 times per week)
  - New internet provider (ISP) for police/boro communications
8. Elevate 7 Bridges Rd. evacuation route
  - a. County road county jurisdiction
9. New tree removal equipment
  - a. Shredder

**Successes:**

- St. John's Church is an evacuation point from Point Rd. School and has a generator

**Question:**

- Is Point Road School elevated?





Monmouth County  
Multi-Jurisdictional Hazard Mitigation Plan Update



Michael Baker  
INTERNATIONAL

Meeting: Little Silver Borough

Date: 7/21/19

Initial	Last Name	First Name	Title	Organization	Email Address
	Ashman	Brittany	Planner	MB	
	Jungfer	Kimberly	Administrator	Little Silver	kjungfer@littlesilver.org
	BASSI	GREGORY	Borough ENGINEER	LSA INC.	gbrash@leasaulianinc.
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