

Appendix Vol I.32 Matawan 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

16 *Polices In-force*

23 *Total Losses*

\$182,548 *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*

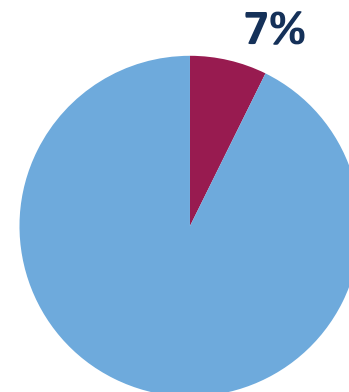


Critical Facilities

15 *Critical Facilities*

1 *Critical Infrastructure*

66 *Historic & Cultural Resources*



Percent Land Area Within SFHA

9

*Total Mitigation
Actions*

0



Education and Awareness Programs

7



Structure and Infrastructure Projects

0



Local Plans and Regulations

2



Natural Systems Protection



0 *SV Population At Risk (2017)*

652 *Population at Risk (2017)*

Matawan, 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
32_01	Replace Lake Lefferts Dam	Replace existing Lake Lefferts dam to include realigning of Ravine Dr. to comply with current DOT standards.		Structure and Infrastructure Project	Dam Failure, Flood, Coastal Erosion, Nor'easter, Hurricane and Tropical Storm			Borough and County Engineers	State, County and Federal Grants, Bonded funds	\$8,000,000.00		Completed
32_02	Replace Lake Matawan Dam	Coordinate with NJDEP to replace existing Lake Matawan dam to include replacement of the Main Street Lake Matawan/Matawan Creek Bridge and adjoining roadway.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Dam Failure, Flood, Nor'easter, Hurricane and Tropical Storm	High	High	Borough and County Engineers	Lake Matawan Dam is eligible for FEMA's High-Hazard Potential Dam Grant Program.	\$8,000,000.00	5 + years	Ongoing
32_03	Elevate Aberdeen Road	Elevate Aberdeen Road above the Matawan Creek and BFE.	Mitigation - Continuity of Fuctional Use	Structure and Infrastructure Project	Flood, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Medium	Matawan Borough & Monmouth County Engineers in conjunction	FEMA HMA, DOT	\$7,100,000.00	1 year	Ongoing
32_04	Provide Auxiliary Power to the Matawan Municipal Community Center/Borough Hall	Provide auxiliary power to the Matawan Municipal Community Center-Borough Hall (201 Broad Street), to allow for continuity of government operations and public access to the Municipal Complex during a sustained loss of power. Having auxiliary power would also facilitate the use of the complex as a temporary shelter or warming/charging station during a declared state of emergency.		Structure and Infrastructure Project	Extreme Temperatures, Flood, Extreme Wind, Lightning, Nor'easter, Hurricane and Tropical Storm, Storm Surge			Borough Engineer, Office of Emergency Management	Bonded funding, State, County, federal grant	\$150,000.00		Completed
32_05	Purchase a Jet Vac Ravine Cleaning and Clean Outfall Pipes	Clean outfall pipes and ravines that are clogged (need list from engineer on which outfalls and revaines need cleaning). Additionally, purchase a jet vac (est. \$700,000) for DPW to clean the pipes and ravines from debris.	Maintenance/Respon se/Recovery	Natural Systems Protection	Flood, Nor'easter, Hurricane and Tropical Storm	High	Low	Borough DPW	Municipal budget	\$1,000,000.00	1 year	New
32_06	Upgrade Generators at Critical Facilities	Upgrade generators at Police HQ, Somerset Place Sewer Life Station, Victoria Court Sewer Pump Station, and DPW building.	Maintenance/Respon se/Recovery	Structure and Infrastructure Project	All Hazards	Low	Low	Borough Administration	FEMA HMA	\$150,000.00	1 year	New
32_07	Target Harden Critical Facilities by Installing Surveillance Cameras, an Access Control System, and/or Bulletproof Glass	The Water Treatment Plan needs more security in the form of an upgraded camera system and concrete barriers. Borough Hall could be more secure with bulletproof glass, an access card system, and an enhanced camera system.	Maintenance/Respon se/Recovery	Structure and Infrastructure Project	Terrorism	Medium	Low	Borough Administration, DPW	Homeland Security grants		1 year	New
32_08	Develop a Tree Trimming Program	Create a shared service agreement for tree trimming program with the county or a consultant.	Maintenance/Respon se/Recovery	Natural Systems Protection	Flood, Nor'easter, Hurricane and Tropical Storm, Winter Storm	Medium	Low	DPW	Municipal budget		2 years	New

Matawan, 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
32_09	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

Monmouth County Mitigation Action Worksheets

Community Action Number: 32_01

Matawan, Borough of

Describing the Action

Action Name:	Replace Lake Lefferts Dam
Action Category:	
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Localized Flood Risk Reduction Projects
Action Description:	Replace existing Lake Lefferts dam to include realigning of Ravine Dr. to comply with current DOT standards.

Evaluating the Action

Hazard(s) Addressed:	Dam Failure, Flood, Coastal Erosion, Nor'easter, Hurricane and Tropical Storm
Goals:	1, 2, 3, 5, 7
Risk Reduction:	The Lake Lefferts Dam is a high hazard dams noted by the municipality as in need of replacement. There is potential for extensive damage downstream from Lake Lefferts to include the NJ Transit North Jersey Coast Railroad bridge over Matawan Creek. Slope failure and erosion to numerous lakefront homes. Environmental and wildlife issues associated with the draining of the lake. Flooding occurs due to severe storms such as nor'easters and/or hurricanes. Climate change will contribute to more frequent and severe weather events.
Technical:	This mitigation action is technically feasible. Any threat of dam failure and the associated losses will be solved.
Political:	This project is being strongly advised by the Department of Environmental Protection. Some political issues may arise over ownership and responsibility of funding between the Borough of Matawan and the County of Monmouth.
Legal:	No apparent legal issues.
Environmental:	Project would require permitting by the DEP.
Social:	Project does not negatively impact any particular group as currently proposed. Project could negatively impact motorist if the roadway is impassable for any considerable duration.
Administrative Capability:	Borough Administrator, Borough and County Engineers would be responsible for administration of project.
Local Champion:	NJ DEP, Monmouth County Department of Public Works & Engineering, Matawan Borough Council
Other Community Objectives:	Project would support the adjacent Lake Lefferts recreation facility (Green Acres park and recreation area).
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$8,000,000.00
Priority:	
Scale of Ease of Implementation:	
Responsible Party:	Borough and County Engineers
Local Planning Mechanism:	Borough & County Engineering, Planning and Bond Ordinances
Likely Funding Source(s):	State, County and Federal Grants, Bonded funds
Timeline:	
Action Status:	Completed
Notes:	This is a high hazard dam.

Monmouth County Mitigation Action Worksheets

Community Action Number: 32_02

Matawan, Borough of

Describing the Action

Action Name:	Replace Lake Matawan Dam
Action Category:	Mitigation - Risk Reduction
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Localized Flood Risk Reduction Projects
Action Description:	Coordinate with NJDEP to replace existing Lake Matawan dam to include replacement of the Main Street Lake Matawan/Matawan Creek Bridge and adjoining roadway.

Evaluating the Action

Hazard(s) Addressed:	Dam Failure, Flood, Nor'easter, Hurricane and Tropical Storm
Goals:	1, 2, 3, 5, 7
Risk Reduction:	The Lake Matawan Dam is a high hazard dam noted by the municipality as in need of replacement. Potential for extensive damage to the surrounding properties of Lake Matawan to include Main Street (County Route 516). Slope failure and erosion to numerous lakefront homes. Environmental and wildlife issues associated with the draining of the lake. Flooding occurs due to severe storms such as nor'easters and/or hurricanes. Climate change will contribute to more frequent and severe weather events.
Technical:	This mitigation action is technically feasible. Any threat of dam failure and the associated losses will be solved.
Political:	This project is being strongly advised by the Department of Environmental Protection. Some political issues may arise over ownership and responsibility of funding between the Borough of Matawan and the County of Monmouth.
Legal:	No apparent legal issues.
Environmental:	Project would require permitting by the DEP.
Social:	Project does not negatively impact any particular group as currently proposed. Project could negatively impact motorists if the roadway is impassable for any considerable duration. Main Street is a direct thoroughfare to the Aberdeen-Matawan Train Station an NJ Transit's North Jersey Coast RR line.
Administrative Capability:	Borough Administrator, Borough and County Engineers would be responsible for administration of project.
Local Champion:	NJ DEP, Monmouth County Department of Public Works & Engineering, Matawan Borough Council
Other Community Objectives:	Project would support the near-by Aberdeen-Matawan Train Station (and the proposed redevelopment of the area) and the Main Street Business District.
STAPLEE Evaluation:	9

Implementing the Action

Cost Estimate:	\$8,000,000.00
Priority:	High
Scale of Ease of Implementation:	High
Responsible Party:	Borough and County Engineers
Local Planning Mechanism:	Borough & County Engineering, Planning and Bond Ordinances
Likely Funding Source(s):	Lake Matawan Dam is eligible for FEMA's High-Hazard Potential Dam Grant Program.
Timeline:	5 + years
Action Status:	Ongoing
Notes:	Ongoing 2015 action; this is a high hazard dam.

Monmouth County Mitigation Action Worksheets

Community Action Number: 32_03

Matawan, Borough of

Describing the Action

Action Name:	Elevate Aberdeen Road
Action Category:	Mitigation - Continuity of Fuctional Use
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Structure Elevation
Action Description:	Elevate Aberdeen Road above the Matawan Creek and BFE.

Evaluating the Action

Hazard(s) Addressed:	Flood, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	2, 3, 5, 7
Risk Reduction:	Aberdeen Road (downstream from Lake Lefferts) is subject to recurrent flooding. Aberdeen Road becomes impassable due to tidal flooding at virtually every high tide creating a delay in emergency response for both Matawan and Aberdeen Emergency Services.
Technical:	Technically feasible. Flooding of roadway salved for the long term; Community's problem of interrupted transportation and emergency response solved. Adequate detour route for Ravine Dr. during Lake Lefferts dam project.
Political:	No apparent political issues.
Legal:	Project would need County approval/contribution is Matawan Creek Bridge on Aberdeen Rd. is county owned and maintained. No other foreseen legal issues.
Environmental:	Due to the proximity to Matawan Creek. DEP permits would be needed. No other environmental issues are foreseen.
Social:	The proposed project will provide uninterrupted transportation at high tides for those residing in the northwestern portion of the Borough and those travelling to neighboring Aberdeen and Old Bridge Townships to access State Highway 35 and the Garden State Parkway.
Administrative Capability:	Administrative function will be handled by the Borough Administrator and Engineer
Local Champion:	Borough Department of Public Works, Emergency Services, OEM
Other Community Objectives:	This project would further the Borough's proposed NJ Transit Village Redevelopment Plan as Aberdeen Rd./High St. intersect with Main Street in the proposed redevelopment zone.
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$7,100,000.00
Priority:	High
Scale of Ease of Implementation:	Medium
Responsible Party:	Matawan Borough & Monmouth County Engineers in conjunction with DPW and OEM
Local Planning Mechanism:	State DOT, Local Ordinances governing traffic and roadway construction.
Likely Funding Source(s):	FEMA HMA, DOT
Timeline:	1 year
Action Status:	Ongoing
Notes:	Cost share agreement signed with County & Borough; in planning stages.

Monmouth County Mitigation Action Worksheets

Community Action Number: 32_04

Matawan, Borough of

Describing the Action

Action Name:	Provide Auxiliary Power to the Matawan Municipal Community Center/Borough Hall
Action Category:	
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Generators
Action Description:	Provide auxiliary power to the Matawan Municipal Community Center-Borough Hall (201 Broad Street), to allow for continuity of government operations and public access to the Municipal Complex during a sustained loss of power. Having auxiliary power would also facilitate the use of the complex as a temporary shelter or warming/charging station during a declared state of emergency.

Evaluating the Action

Hazard(s) Addressed:	Extreme Temperatures, Flood, Extreme Wind, Lightening, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	3, 7
Risk Reduction:	A need has been identified for auxiliary power to the Matawan Municipal Community Center/Borough Hall Complex as a result of Superstorm Sandy. Loss of power, continuity of government, community access to government and municipal complex during power loss.
Technical:	Technically feasible. Power loss at the Matawan Municipal Community Center (Borough Hall} would be solved upon completion of this project.
Political:	This project is supported by the Matawan Borough Mayor and Council and both the Monmouth County and Matawan Offices of Emergency Management.
Legal:	No apparent legal issues.
Environmental:	No apparent environmental issues.
Social:	Project would not negatively impact any particular social group but would positively impact all residents of the Borough.
Administrative Capability:	The Borough Administrator, Borough Engineer and OEM Coordinator would administer this project collectively.
Local Champion:	Monmouth County and Matawan Offices of Emergency Management
Other Community Objectives:	Provide a higher level of uninterrupted government services to the residents of Matawan during a large scale, long term power outage.
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$150,000.00
Priority:	
Scale of Ease of Implementation:	
Responsible Party:	Borough Engineer, Office of Emergency Management
Local Planning Mechanism:	Ordinances and Codes governing electrical improvements
Likely Funding Source(s):	Bonded funding, State, County, federal grant
Timeline:	
Action Status:	Completed
Notes:	HMGP grant of \$75,000 post-Sandy for Generator for Municipal Building/Warming Center/Shelter.

Monmouth County Mitigation Action Worksheets

Community Action Number: 32_05

Matawan, Borough of

Describing the Action

Action Name:	Purchase a Jet Vac Ravine Cleaning and Clean Outfall Pipes
Action Category:	Maintenance/Response/Recovery
Action Type:	Natural Systems Protection
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Clean outfall pipes and ravines that are clogged (need list from engineer on which outfalls and revaines need cleaning). Additionally, purchase a jet vac (est. \$700,000) for DPW to clean the pipes and ravines from debris.

Evaluating the Action

Hazard(s) Addressed:	Flood, Nor'easter, Hurricane and Tropical Storm
Goals:	2, 3, 5, 6
Risk Reduction:	When the outfall pipes and ravines are clogged with debris, this leads to localized flooding problems. The Matawan Ave pipe clogs even when clear there is nowhere for water to flow from tidal events
Technical:	
Political:	No political obstacles anticipated.
Legal:	May need DOT permitting if within right-of-way and will need to coordinate with County on Matawan Ave, since it is a county bridge.
Environmental:	No adverse environmental effects anticipated.
Social:	Does not adversely affect any particular social group. Perceived by the public to be beneficial as clean outfalls and ravines will help to reduce the impact of flooding on residents.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action
Local Champion:	DPW, OEM
Other Community Objectives:	
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$1,000,000.00
Priority:	High
Scale of Ease of Implementation:	Low
Responsible Party:	Borough DPW
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: 32_06

Matawan, Borough of

Describing the Action

Action Name:	Upgrade Generators at Critical Facilities
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Generators
Action Description:	Upgrade generators at Police HQ, Somerset Place Sewer Life Station, Victoria Court Sewer Pump Station, and DPW building.

Evaluating the Action

Hazard(s) Addressed:	All Hazards
Goals:	1, 2, 3, 7
Risk Reduction:	Critical facilities in Matawan can lose power during storm events.
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, Public Works
Other Community Objectives:	
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$150,000.00
Priority:	Low
Scale of Ease of Implementation:	Low
Responsible Party:	Borough Administration
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	FEMA HMA
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 32_07

Matawan, Borough of

Describing the Action

Action Name:	Target Harden Critical Facilities by Installing Surveillance Cameras, an Access Control System, and/or Bulletproof Glass
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	The Water Treatment Plan needs more security in the form of an upgraded camera system and concrete barriers. Borough Hall could be more secure with bulletproof glass, an access card system, and an enhanced camera system.

Evaluating the Action

Hazard(s) Addressed:	Terrorism
Goals:	1, 2, 3, 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:	Politically acceptable and encouraged.
Legal:	No legal issues anticipated.
Environmental:	Does not adversely affect the environment.
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:	Borough has sufficient capacity and experience to administer this action
Local Champion:	Police, OEM, Administrator
Other Community Objectives:	
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Borough Administration, DPW
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: 32_08

Matawan, Borough of

Describing the Action

Action Name:	Develop a Tree Trimming Program
Action Category:	Maintenance/Response/Recovery
Action Type:	Natural Systems Protection
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Create a shared service agreement for tree trimming program with the county or a consultant.

Evaluating the Action

Hazard(s) Addressed:	Flood, Nor'easter, Hurricane and Tropical Storm, Winter Storm
Goals:	1, 2, 3, 5, 6
Risk Reduction:	Aberdeen Ave has very low along the right-of-way and are in danger of falling on pedestrians or automobiles.
Technical:	Technically feasible.
Political:	Politically acceptable and encouraged.
Legal:	No legal issues anticipated.
Environmental:	Does not adversely affect the environment.
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:	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: 32_09

Matawan, 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:	

CAPABILITY ASSESSMENT WORKSHEET

Name: Thomas J. Falco Jr.

Title: Chief of Police

Jurisdiction: Matawan 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	1. 2015
Capital Improvements Plan	Yes	
Economic Development Plan	Yes	
Local Emergency Operations Plan	Yes	
Continuity of Operations Plan		
Post-Disaster Recovery Plan	No	
Transportation Plan	No	
Stormwater Management Plan	Yes	1. 2018
Community Wildfire Protection Plan	No	



CAPABILITY ASSESSMENT WORKSHEET

Other special plans (e.g., brownfields redevelopment, disaster recovery, coastal zone management, climate change adaptation)		
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	Yes	Flood Damage Prevention Ordinance
Natural hazard ordinance (stormwater, steep slope, wildfire)	Yes	Stormwater Ordinance
Flood Insurance Rate Maps		
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 and Growth Management 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	Yes	
Mitigation Planning Committee		
Maintenance Programs to Reduce Risk (e.g., tree trimming, clearing drainage systems)	Yes	
Mutual Aid Agreements	Yes	Cost share agreement w/ county County to inspect catch basin → county helps clear
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		
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	Reverse 911/Nexel
Hazard Data and Information	Yes	Public information officer to increase hazard data
Grant Writing	Yes	TRIAD Associates
Hazus Analysis	No	
Other		Message boards w/ community center, Police HQ
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	Yes	
Fees for Water, Sewer, Gas, or Electric Services	Yes	
Impact Fees for New Development	Yes	
Stormwater Utility Fee		
Incur Debt Through Private Activities	Yes	
Community Development Block Grant	Yes	
Other Federal Funding Programs	No	
State Funding Programs		
Other (e.g., withhold spending in hazard-prone areas)	Yes	Withhold spending in hazard-prone areas, Incur Debt through General Obligation Funds and Incur Debt through Special Tax and Revenue Bonds
How can these capabilities be expanded and improved to reduce risk?		



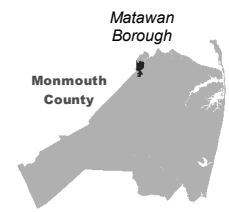
CAPABILITY ASSESSMENT WORKSHEET

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.	No	
Ongoing Public Education or Information Programs (e.g., responsible water use, fire safety, household preparedness, environmental education)	Yes	The Matawan Borough Fire Department and Matawan Fire Prevention Bureau educates the community throughout year on fire prevention programs and home safety.
Natural Disaster or Safety Related School Programs	No	
StormReady Certification	No	
Firewise Communities Certification	Yes	The Matawan Fire Prevention Bureau and the Matawan Borough Fire Department Educates children and the community during the NFPA Fire Prevention week every October.
Public-Private Partnership Initiatives Addressing Disaster Related Issues	No	
Other		
How can these capabilities be expanded and improved to reduce risk?		





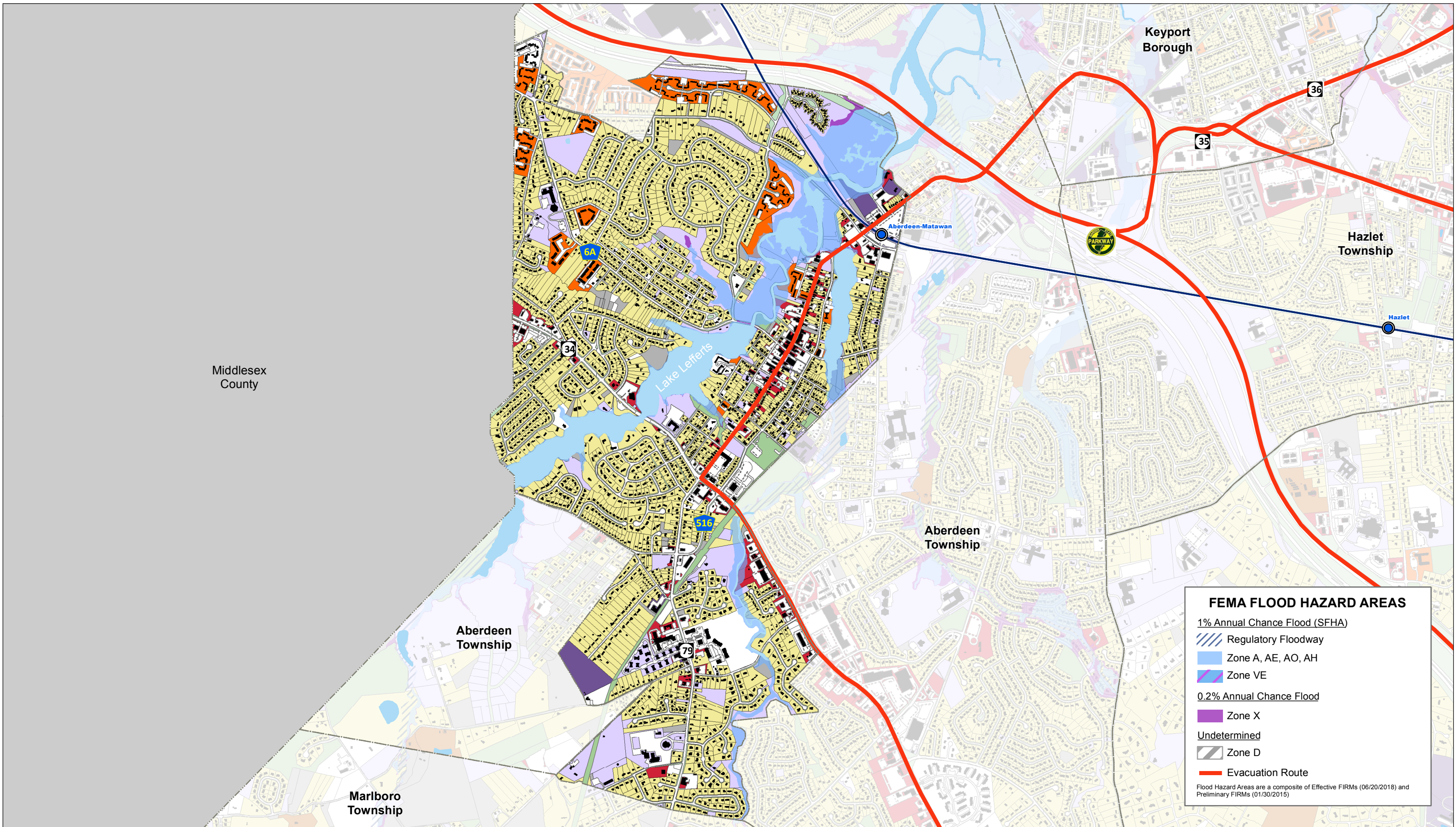
Parcel Classification

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

08001,600

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

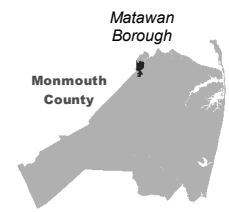
Zone X

Undetermined

Zone D

Evacuation Route

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

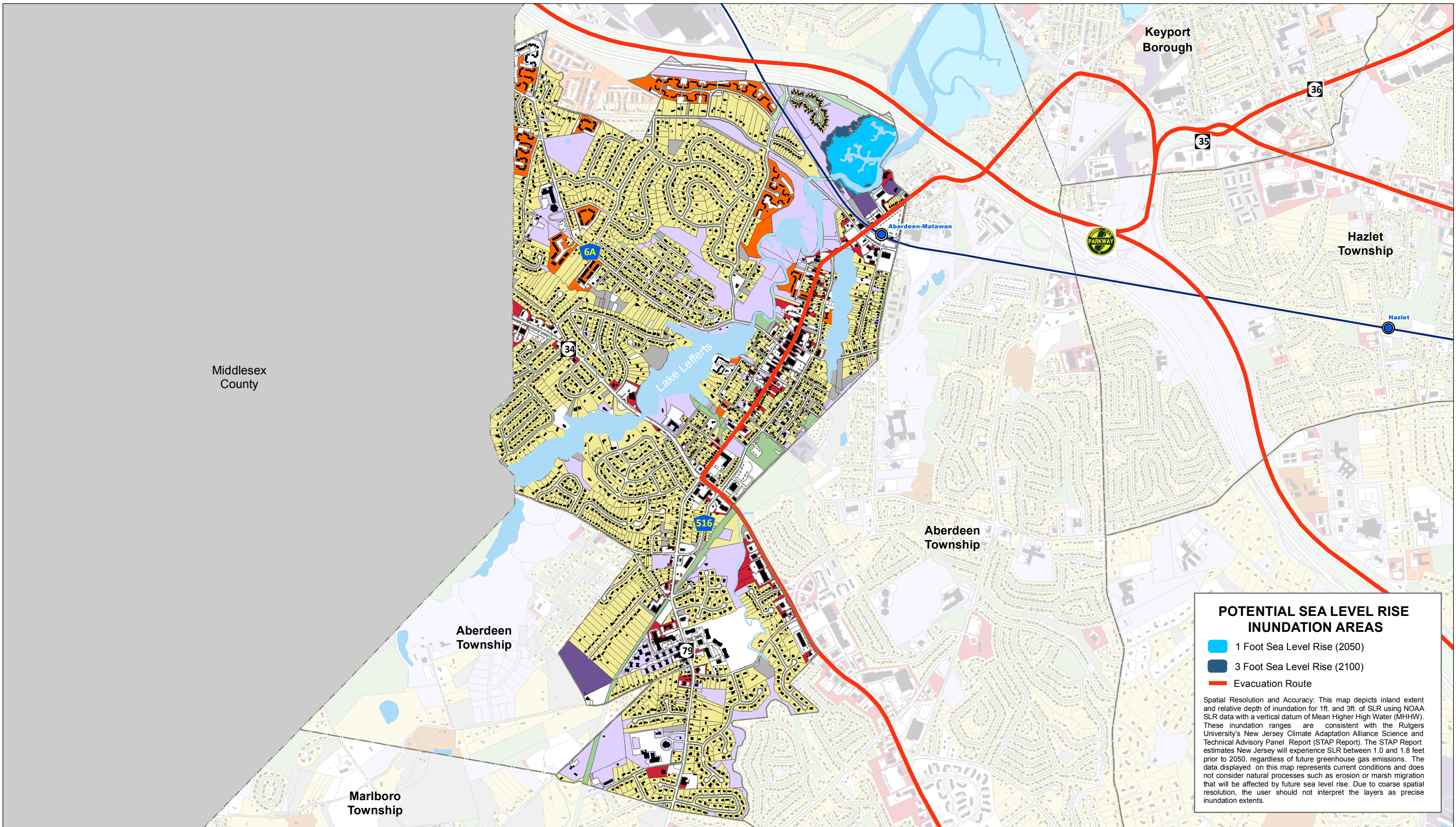
Open Space

08001,600

Feet

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

Projection: New Jersey State Plane, NAD 1983



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MEETING NOTES

Topic: Matawan- Monmouth County HMP Meeting

Date: July 2, 2019

Time: 10:00 AM- 11:00 AM

Location: Borough Hall, 201 Broad Street, Matawan, NJ 07747

Attendees: John Applegate, DPW Director

Louis Ferrara, Administrator

Brittany Ashman, MB Planner

Drafted by: Paige Kaspar

Introductions (Brittany):

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

Mitigation Actions:

- Community Action 32_01 Replace Lake Lefferts Dam Completed
 - High hazard dam
 - County looking to update trail
- Community Action 32_02 Replace Lake Matawan Dam Ongoing
 - High hazard dam State DEP
- Community Action 32_03 Roadway elevation above Matawan Creek Completed
 - Municipal and County
 - Cost share agreement signed with County & Borough

→ Actions 1 to 3 have a combined cost of \$14.2 million

- Community Action 32_04 Provide auxiliary power to the Matawan Municipal Community Center- Borough Hall Completed

2020 Mitigation Actions (NEW):

- 5 Outfall pipes & ravine cleaning engineer to send list
 - Matawan Ave pipe clogged → even when clear there is nowhere for water to flow from tidal events
 - Coordinate w. County as pipe is County owned



Monmouth County Multi-Jurisdictional Hazard Mitigation Plan Update



Michael Baker
INTERNATIONAL

- Vac truck tank to clean catch basins, pump stations and remove debris
 - Cost estimate = \$700,000
- 6 Upgrade generators at Police HQ, Somerset Place sewer lift station, and Victoria court sewer pump station, DPW
- 7 Water treatment plant security cameras and possible concrete barriers
 - Upgrade & add camera, access cards, bullet proof glass at Borough Hall and Community Center
- 8 Tree trimming program shared service w/ county or consultant for Aberdeen Ave, trees very low

Capabilities:

- Sanitary Lift Stations



Monmouth County
Multi-Jurisdictional Hazard Mitigation Plan Update



Michael Baker
INTERNATIONAL

Meeting: Matawan Borough

Date: 7/2/19

Initial	Last Name	First Name	Title	Organization	Email Address
J	Applegate	John	DEU Director	Monmouth DEU	John.Applegate@monmouthborough.com
L	FERRARA	Louis	Administrations	MATAWAN	Louis.FERRARA@MATWANBOROUGH.COM
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	Ashman	Brittany	Planner	MB	