

Appendix Vol I.53 West Long Branch 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

40 Policies In-force

15 Total Losses

\$31,846 Total Payments

1 Number of RL Properties

0 Number Mitigated
RL Properties

2 RL - Total Losses

\$7,773 RL - Total Paid



0 Number of SRL Properties

0 Number Mitigated SRL
Properties

0 SRL - Total Losses

\$0 SRL - Total Paid

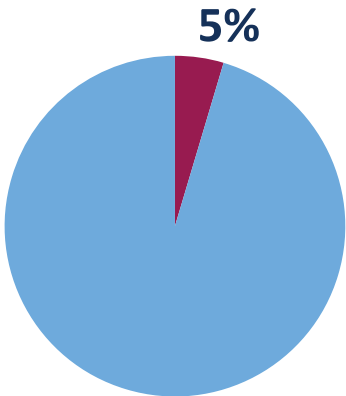
Critical Facilities



14 Critical Facilities

0 Critical Infrastructure

38 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)

367 Population at Risk (2017)

West Long Branch, 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
53_01	Clean the Turtle Mill Brook and Design a New Drainage System for the Brook	Develop a drainage remediation project servicing Turtle Mill Floodway as well as stream cleaning.	Mitigation - Continuity of Fuctional Use	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm	High	Low	Borough Engineer	Borough Funding	\$66,667.00	1 year	Ongoing
53_02	Coordinate a Drainage Remediation Project for Whale Pond Brook	Coordinate a drainage remediation project with West Long Branch, Long Branch, Monmouth County properties, and Monmouth University.	Mitigation - Continuity of Fuctional Use	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm	Medium	Medium	Borough Engineer	Borough Funding, FEMA grant funding	\$125,000.00	1 year	Ongoing
53_03	Acquire, elevate, or relocate buildings and infrastructure in flood prone areas, with a focus on Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties	Elevation and/or Acquisition of flood prone residential structures, with a focus on those in our community that are on FEMA's Repetitive Loss List.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Flood, Wave Action, Hurricane and Tropical Storm, Storm Surge, Winter Storm	High	Medium	Mayor and Council	FEMA HMA		1 year	Ongoing
53_04	Purchase DPW Equipment for Stream Restoration	Improve or acquire better equipment for DPW to remove trees and clear the stream. With additional funding, man power and equipment, DPW would be able to develop an efficient schedule for these stream cleanings.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Lightening, Nor'easter, Hurricane and Tropical Storm	Low	Low	Borough DPW	Municipal budget		1 year	New
53_05	Target Harden Critical Facilities by Installing Surveillance Cameras and Backup Servers	Harden the Municipal Building and DPW Yard with stronger security (cameras) and possibly relocate backup servers to a more secure location.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Terrorism	Medium	Low	Borough Administration	Homeland Security grants		2 years	New
53_06	Create an Evacuation Plan and Purchase and Install a Generator for the Peter Cooper Village Senior Center	Create an evacuation plan and upgrade generator at Peter Cooper Village Senior Center.	Mitigation - Continuity of Fuctional Use	Structure and Infrastructure Project	All Hazards	High	Low	Borough Administration	FEMA HMA, CDBG- DR		2 years	New
53_07	Install an Emergency Communications System Specific to West Long Branch	West Long Branch needs their own response system for emergency responders to properly communicate with each other. Right now, the Borough uses the County's system.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Low	County, Borough	County budget, municipal budget		1 year	New
53_08	Construct Flood Reduction Measures (e.g., floodwalls or small berms) along Turtle Mill Brook and Whale Pond Brook	Construct minor structural project (e.g., floodwalls or small berms) along Turtle Mill Brook and Whale Pond Brook to protect Repetitive Loss Properties.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Flood, Lightening, Hurricane and Tropical Storm, Storm Surge	High	Medium	Borough	FEMA HMA	\$0.00	2 years	New

Monmouth County Mitigation Action Worksheets

Community Action Number: 53_01

West Long Branch, Borough of

Describing the Action

Action Name:	Clean the Turtle Mill Brook and Design a New Drainage System for the Brook
Action Category:	Mitigation - Continuity of Fuctional Use
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Floodplain and Stream Restoration
Action Description:	Develop a drainage remediation project servicing Turtle Mill Floodway as well as stream cleaning.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm
Goals:	2, 3, 5
Risk Reduction:	Sedimentation and debris accumulation along Turtle Mill Brook impede stormwater and result in flooding. West Long Branch is not on the immediate coast but is subject to storm surge flooding via Turtle Mill Brook, a tributary to the Shrewsbury River. While a large portion of the northern area of the Borough lies within mapped storm surge hazard areas, flooding during Superstorm Sandy remained largely constrained to the areas immediately adjacent to the Turtle Mill Brook. Some development was impacted. Joline Avenue was flooded in the vicinity of Victor and Oceanport Avenues.
Technical:	This mitigation is technically feasible.
Political:	This project was advised by council and the Mayor.
Legal:	May require coordination with Monmouth County and NJDOT.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal state and local regulations.
Social:	There are no social impacts of this action.
Administrative Capability:	The community does have the personnel and administrative capability implement this action as well as maintain it. Borough would have to bid the engineering and construction.
Local Champion:	Council and the Mayor
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$66,667.00
Priority:	High
Scale of Ease of Implementation:	Low
Responsible Party:	Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	Borough Funding
Timeline:	1 year
Action Status:	Ongoing
Notes:	Ongoing 2015 action; Monmouth County has done some work but the Borough would like an engineering study to reduce flood along Turtle Mill vertical walls.

Monmouth County Mitigation Action Worksheets

Community Action Number: 53_02

West Long Branch, Borough of

Describing the Action

Action Name:	Coordinate a Drainage Remediation Project for Whale Pond Brook
Action Category:	Mitigation - Continuity of Fuctional Use
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Floodplain and Stream Restoration
Action Description:	Coordinate a drainage remediation project with West Long Branch, Long Branch, Monmouth County properties, and Monmouth University.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm
Goals:	2, 3, 5
Risk Reduction:	Certain areas of flooding in West Long Branch Borough have been identified by the Borough a result of drainage issues on a multi-jurisdictional level (West Long Branch, Long Branch, Monmouth County, and Monmouth University).
Technical:	This mitigation is technically feasible.
Political:	This project was advised by council and the Mayor.
Legal:	May require coordination with West Long Branch, Long Branch, Monmouth County, and Monmouth University.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	There are no social impacts of this action.
Administrative Capability:	The community does have the personnel and administrative capability implement this action as well as maintain it. Borough would have to bid the engineering and construction.
Local Champion:	Council and the Mayor
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$125,000.00
Priority:	Medium
Scale of Ease of Implementation:	Medium
Responsible Party:	Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	Borough Funding, FEMA grant funding
Timeline:	1 year
Action Status:	Ongoing
Notes:	Ongoing 2015 action; Borough DPW cleans out brook at least once a year as needed however the regional Whale Pond Watershed's drainage needs to be improved.

Monmouth County Mitigation Action Worksheets

Community Action Number: 53_03

West Long Branch, 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:	Elevation and/or Acquisition of flood prone residential structures, with a focus on those in our community that are on FEMA's Repetitive Loss List.

Evaluating the Action

Hazard(s) Addressed:	Flood, Wave Action, Hurricane and Tropical Storm, Storm Surge, Winter Storm
Goals:	2, 3, 4, 6
Risk Reduction:	Several residential structures throughout the community are prone to flooding, with their main floor elevations below current BFEs. Sea level rise and climate change will contribute to more frequent and severe flooding and surge events.
Technical:	Elevation and acquisition are both technically feasible project types.
Political:	Our political leadership supports this type of project.
Legal:	While the municipality does not own the structures in question, we fully support the homeowners in moving forward.
Environmental:	No environmental impacts are anticipated at this time; this would be confirmed as specific homeowners come forward and their property details are reviewed. It is likely that environmental impacts would be positive, as household hazardous wastes are no longer introduced into floodwaters.
Social:	No particular social group in our community is likely to be disproportionately impacted by this project; this would be re-evaluated as particular interested homeowners come forward.
Administrative Capability:	Our municipality has the administrative capabilities to manage an elevation and/or acquisition project.
Local Champion:	Affected homeowners, elected officials
Other Community Objectives:	Improve and protect lifestyles of residents; reduction of costly property damage; resiliency; floodplain management; capital improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	
Priority:	High
Scale of Ease of Implementation:	Medium
Responsible Party:	Mayor and Council
Local Planning Mechanism:	Homeowners; Mayor; Council; Administrator; Engineer; local ordinance; Hazard Mitigation Plan
Likely Funding Source(s):	FEMA HMA
Timeline:	1 year
Action Status:	Ongoing
Notes:	Ongoing 2015 action; the Borough has on RL properties on their list that they will work with the property owner in mitigating.

Monmouth County Mitigation Action Worksheets

Community Action Number: 53_04

West Long Branch, Borough of

Describing the Action

Action Name:	Purchase DPW Equipment for Stream Restoration
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Floodplain and Stream Restoration
Action Description:	Improve or acquire better equipment for DPW to remove trees and clear the stream. With additional funding, man power and equipment, DPW would be able to develop an efficient schedule for these stream cleanings.

Evaluating the Action

Hazard(s) Addressed:	Flood, Lightening, Nor'easter, Hurricane and Tropical Storm
Goals:	3, 6, 7
Risk Reduction:	Sedimentation and debris accumulation along Turtle Mill Brook and Whale Pond Brook impede stormwater and result in flooding. DPW needs more equipment to clear these streams.
Technical:	Technically feasible.
Political:	Politically supported by OEM and the Council.
Legal:	No major legal ramifications
Environmental:	No environmental impacts anticipated.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action
Local Champion:	DPW, Council, OEM
Other Community Objectives:	
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	
Priority:	Low
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: 53_05

West Long Branch, Borough of

Describing the Action

Action Name:	Target Harden Critical Facilities by Installing Surveillance Cameras and Backup Servers
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	Harden the Municipal Building and DPW Yard with stronger security (cameras) and possibly relocate backup servers to a more secure location.

Evaluating the Action

Hazard(s) Addressed:	Terrorism
Goals:	1, 2, 3, 7
Risk Reduction:	Critical facilities are vulnerable to a terrorist attack or smaller crimes, such as vandalism. These areas need to be monitored by emergency responders and police officers.
Technical:	Technically feasible.
Political:	Politically acceptable.
Legal:	No major legal ramifications.
Environmental:	No environmental impacts anticipated.
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, Council, 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: 53_06

West Long Branch, Borough of

Describing the Action

Action Name: Create an Evacuation Plan and Purchase and Install a Generator for the Peter Cooper Village Senior Center

Action Category: Mitigation - Continuity of Fuctional Use

Action Type: Structure and Infrastructure Project

HMA Eligible Activity: Generators

Action Description: Create an evacuation plan and upgrade generator at Peter Cooper Village Senior Center.

Evaluating the Action

Hazard(s) Addressed: All Hazards

Goals: 1, 3, 7

Risk Reduction: The Peter Cooper Village Senior Center needs an upgraded generator when there is power loss. In the case of a severe storm, there needs to be an evacuation plan adopted so pre-and-post storm operations runs smoothly, since this is a vulnerable population.

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 a vulnerable population.

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

Local Champion: OEM, Council

Other Community Objectives:

STAPLEE Evaluation: N/A

Implementing the Action

Cost Estimate:

Priority: High

Scale of Ease of Implementation: Low

Responsible Party: Borough Administration

Local Planning Mechanism: Hazard Mitigation Plan

Likely Funding Source(s): FEMA HMA, CDBG- DR

Timeline: 2 years

Action Status: New

Notes:

Monmouth County Mitigation Action Worksheets

Community Action Number: 53_07

West Long Branch, Borough of

Describing the Action

Action Name:	Install an Emergency Communications System Specific to West Long Branch
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	West Long Branch needs their own response system for emergency responders to properly communicate with each other. Right now, the Borough uses the County's system.

Evaluating the Action

Hazard(s) Addressed:	All Hazards
Goals:	1, 3, 7
Risk Reduction:	DPW is segregated from other services because there is no dispatch and they are not able to communicate with the County.
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, DPW, Council
Other Community Objectives:	
STAPLEE Evaluation:	N/A

Implementing the Action

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

Monmouth County Mitigation Action Worksheets

Community Action Number: 53_08

West Long Branch, Borough of

Describing the Action

Action Name:	Construct Flood Reduction Measures (e.g., floodwalls or small berms) along Turtle Mill Brook and Whale Pond Brook
Action Category:	Mitigation - Risk Reduction
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Infrastructure Retrofit
Action Description:	Construct minor structural project (e.g., floodwalls or small berms) along Turtle Mill Brook and Whale Pond Brook to protect Repetitive Loss Properties.

Evaluating the Action

Hazard(s) Addressed:	Flood, Lightening, Hurricane and Tropical Storm, Storm Surge
Goals:	2, 3
Risk Reduction:	The Borough is at risk of repetitive flooding.
Technical:	Technically feasible.
Political:	There are no anticipated political implications.
Legal:	May require coordination with NJDEP.
Environmental:	Minor environmental impacts expected.
Social:	No adverse social impact anticipated.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	OEM
Other Community Objectives:	
STAPLEE Evaluation:	12

Implementing the Action

Cost Estimate:	\$0.00
Priority:	High
Scale of Ease of Implementation:	Medium
Responsible Party:	Borough
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	FEMA HMA
Timeline:	2 years
Action Status:	New
Notes:	

CAPABILITY ASSESSMENT WORKSHEET

Name: Steven Cioffi

Title: Councilman

Jurisdiction: Borough of West Long Branch

Organization: Borough of West Long Branch

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	Yes	
Transportation Plan		
Stormwater Management Plan	Yes	1. 2005
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"> Stormwater Pollution Prevention Plan (2018) NJ FRAMES
Building Code, Permitting, and Inspections	Yes/No	Are codes adequately enforced?
Building Code	Yes	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
Natural hazard ordinance (stormwater, steep slope, wildfire)	Yes	Stormwater Management
Flood Insurance Rate Maps		
Acquisition of Land for Open Space and Public Recreation Uses		
Post-Disaster Recovery Ordinance	No	
Real Estate Disclose Ordinance	Yes	



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		
Mitigation Planning Committee		
Maintenance Programs to Reduce Risk (e.g., tree trimming, clearing drainage systems)	Yes	Stream cleaning as needed
Mutual Aid Agreements	Yes	Fire/EMS w/ county (county dispatch) shared with Long Branch
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	Yes	
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	Code Red Reverse 911 (schools) Nexel
Hazard Data and Information		Emergency Management website Borough webiste
Grant Writing	Yes	
Hazus Analysis	No	
Other		
How can the above capabilities be expanded and improved to reduce risk?		



CAPABILITY ASSESSMENT WORKSHEET

Financial

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

Funding Resource	Access / Eligibility (Yes/No)	Has the funding resource been used in the past and for what type of activities? Could the resource be used to fund future mitigation actions?
Capital Improvements Project Funding	Yes	
Authority to Levy Taxes for Specific Purposes	Yes	
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 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.		
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		
How can these capabilities be expanded and improved to reduce risk?		





Building Classification

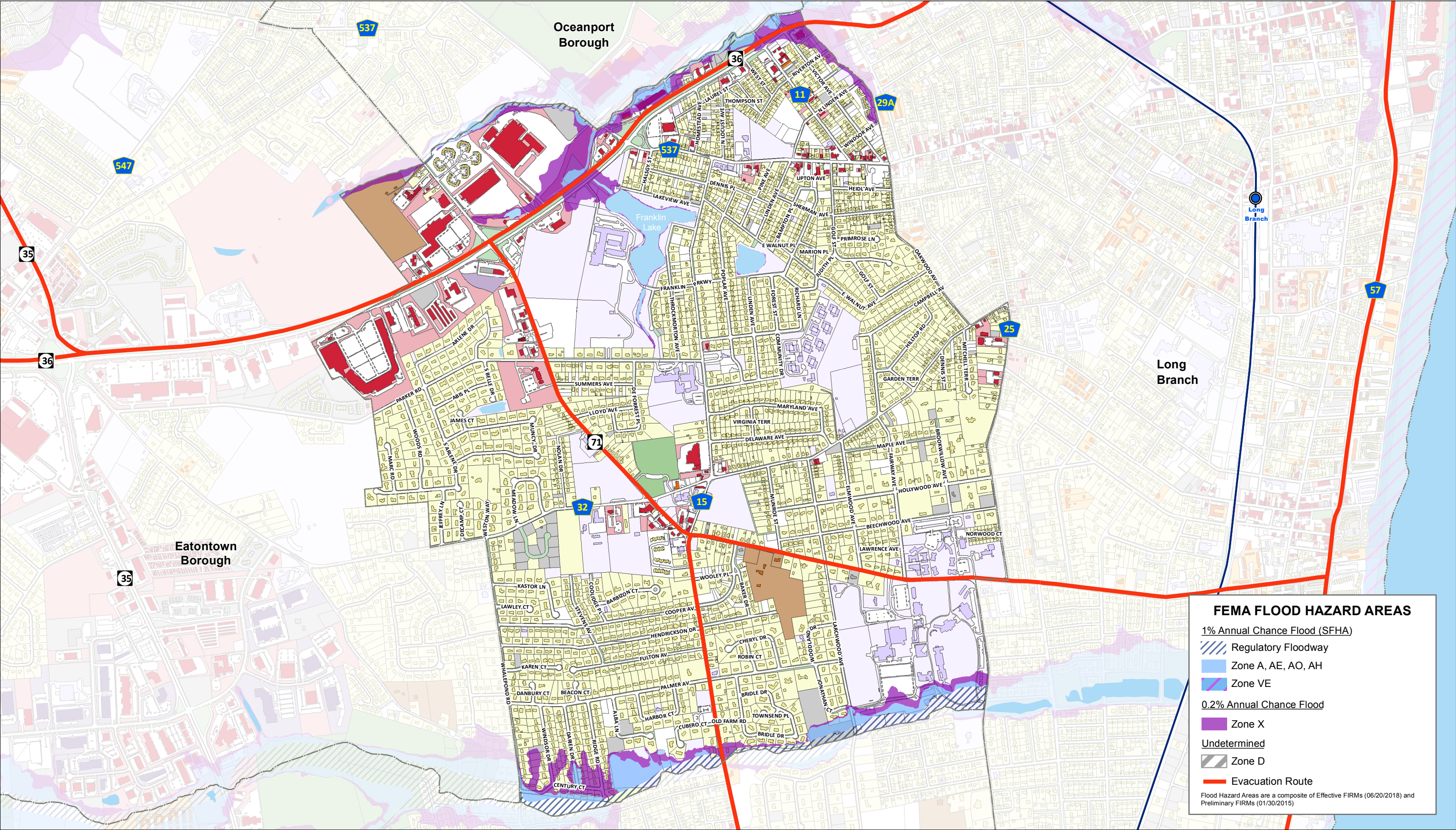
Industrial	Commercial	Apartment	Residential (four families or less)
Farm	Vacant	Civic/Public (Tax Exempt)	Unclassified

Parcel Classification

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

0 650 1,300 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

- 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.



Building Classification

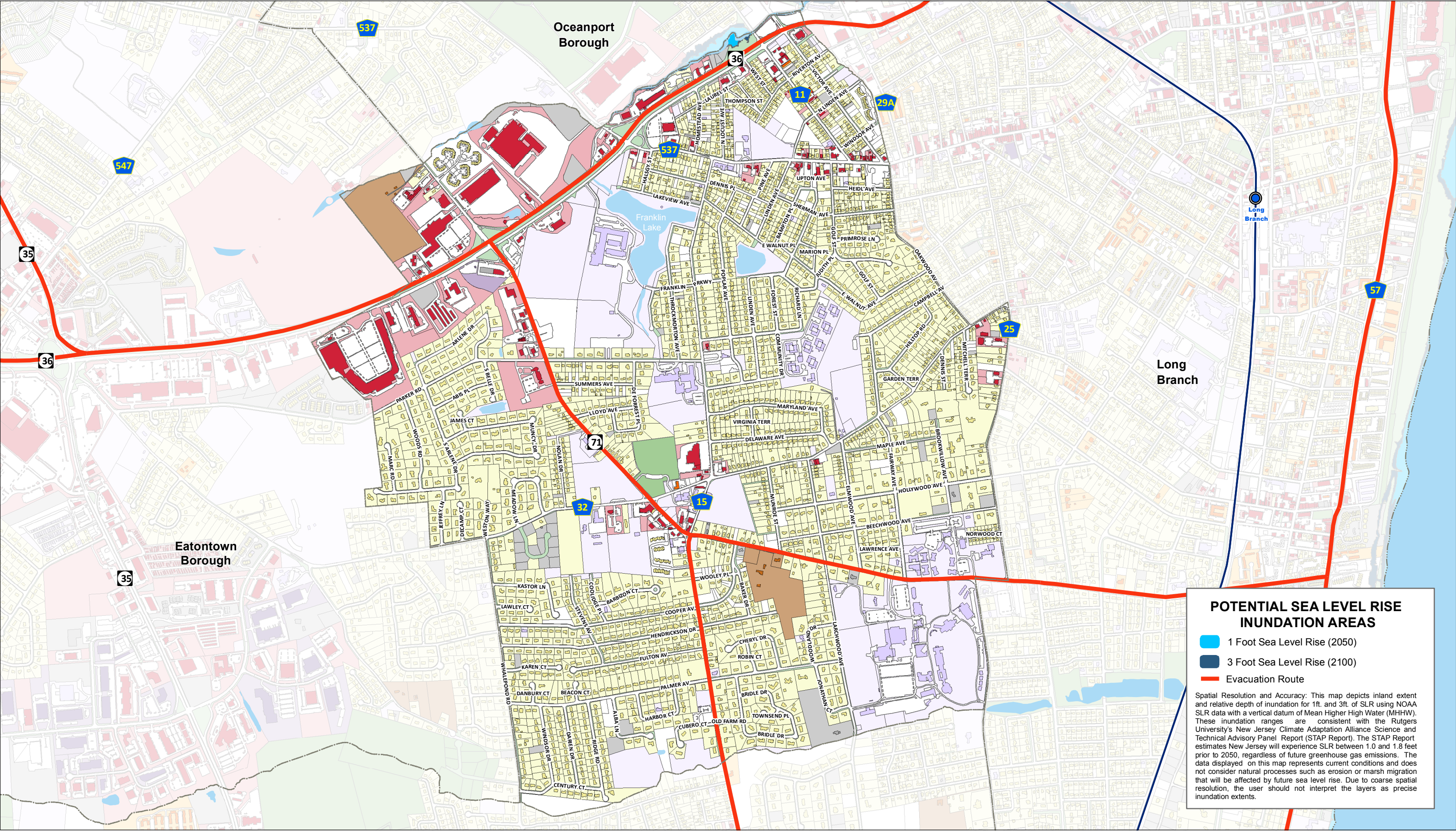
Industrial	Commercial	Apartment	Residential (four families or less)
Farm	Vacant	Civic/Public (Tax Exempt)	Unclassified

Parcel Classification

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

0 650 1,300 Feet

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.



MEETING NOTES

Topic: West Long Beach- Monmouth County HMP Update Meeting

Date: July 2, 2019

Time: 2:00 PM- 3:00 PM

Location: West Long Branch Boro Hall: 965 Broadway, West Long Branch NJ

Attendees:

Steven	Cioffi	OEM Coordinator
Stephanie	Dollinger	Administrator
Fran	Mullan	Borough Engineer
Gerald	Paige	Grants Manager
Earl	Reed	Director of Public Works
Craig	Wenger	Project Manager MB
Michael	Yaffe	MB Planner
Brittany	Ashman	MB Planner

Drafted by: Paige Kaspar

Introductions (Paige):

- Goals and Hazards
- What is Mitigation Hazard Planning?
- Funding Available
 - HMA
- Mitigation Strategies

2015 Mitigation Action:

- Community Action 53_01 Drainage remediation and stream cleaning (Turtle Mill) Ongoing
 - County has done some work
 - Possible county coordination, State DOT
 - Engineering study to reduce flood along Turtle Mill vertical walls
- Community Action 53_02 Drainage remediation ongoing
 - DPW cleans out brook at least once a year as needed
 - Work with Monmouth University
- Community Action 53_03 Elevation of Residential Structures Ongoing



- DPW needs equipment assistance

2020 Mitigation Actions (NEW):

- 4 Improve or acquire better DPW equipment for removal of trees and stream cleaning → ie: wood chippers
 - Might need tree maintenance program, downed trees are biggest hazard
- 5 Harden Municipal Building, DPW Yard, stronger protection, cameras, possible relocate backup servers
 - Parking lot lighting is inadequate
- 6 Evacuation plan and upgrade generator at Peter Cooper Village Senior Center
- 7 Improve communications between DPW and County, DPW is segregated from other services, there is no dispatch and they are not able to communicate with county, no repetitor system
 - Need county band



Monmouth County
Multi-Jurisdictional Hazard Mitigation Plan Update



Michael Baker
INTERNATIONAL

Meeting: West Long Branch Borough

Date: 7/21/19

Initial	Last Name	First Name	Title	Organization	Email Address
SC	CRAFT	Soren	DEP Commissioner	WLB Board	SCRAFT@westlongbranch.nj.gov
GP	PRIGG	GENARD	GRANTS MGR.	TMM	GPRI@tandmassociates.com
SK	REEDS	ERIK	Director of Public works	WLB	
	Ashman	Brittany	Planner	MB	
SD	Dollinger	Stefanie	Administrator	WCB	sdollinger@westlongbranch.nj.gov
FM	Mullon	Fran	Baro Engr.	T&M Assoc.	fmullon@tandmassociates.com