

41 – ROOSEVELT BOROUGH

PLANNING TEAM AND PARTICIPATION

Name	Title	Participation
Claire Burkhart	OEM Coordinator	Municipal meeting 11/07/2024, Point of Contact
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COMMUNITY PROFILE

Overview

Located in the county's Panhandle region and nestled between Upper Freehold and Millstone, the Borough of Roosevelt has a land area of 1.93 square miles. Created as a new town from vacant farmland, the origins of Roosevelt's physical design can be traced to concepts of Ebenezer Howard's early 20th century Garden City Movement.

The borough's residential neighborhoods are characterized by integrated community parks surrounded by a green belt of farmland and conservation areas. As the borough approaches full build-out, current land use issues focus on conservation and redevelopment. Much of the borough's greenbelt has been preserved through state or municipal ownership, or through conservation easements.

Land Use, Development, & Growth

Roosevelt is home to substantial publicly owned and residential land, as well as several parcels of wetlands, forested land and farmland. As a result, there is no predominant land use in the Borough; wetlands constitute 33 percent of its area, while forested land, urban land and agricultural land account for 28 percent, 20 percent, and 19 percent respectively of its total area. From 2015 to 2020, the Roosevelt did not experience any significant change in its land use.

Land Use Type	Total Acres (2015)	Total Acres (2020)	Percent Change
Agriculture	240.0	238.4	-1%
Barren Land	4.2	4.1	-2%
Forest	346.5	349.7	1%
Urban	245.3	243.7	-1%
Water	5.4	5.4	>0%
Wetlands	405.4	405.4	>0%

Source: NJDEP Land Use/Land Cover data, 2015-2020

Recent Major Development and Infrastructure from 2020 to Present

None identified.

Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years

According to the county's 2011 Panhandle Region Plan, Roosevelt's municipal vision includes continued preservation of its open space and the green belt surrounding the Borough, protection of the borough's historic character, and encouraging community retail uses in the borough's core. The goals of its master plan were designed to support the historic community planning principles upon which Roosevelt was designed and established. Rather than serving as a separate element, historic preservation is integrated into the planning elements of the borough's master plan. Planning issues are inextricably linked to the borough's historic character. A key recent concern is the cost of maintaining Roosevelt's water and sewer infrastructure. While the Borough does not plan to expand its existing public water and sewer network, the original water system, which is still in place, is due for significant maintenance and/or replacement. The Borough is seeking funding sources for much needed roadways and other municipal infrastructure improvements.

Demographics & Vulnerable Populations

This plan analyzed census-derived data on population trends and population age distributions to help illustrate potential vulnerability within the borough. A population increase or decrease can illustrate potential hazard vulnerability through development pressures on the built environment, or through physical and social impacts of marked population loss. A community with a large share of population under age five may indicate vulnerabilities in hazard response, resource allocation, and evacuation – FEMA identifies that the pediatric population is disproportionately affected during disasters, and requires special consideration in categories of anatomy and physiology, psychological, and education vulnerabilities (FEMA, 2022, NLM, 2022). Individuals over age 65 are a growing share of the country's population and often represent the greatest share of deaths from extreme weather events and other natural disasters. A larger share of population over 65 may indicate local vulnerabilities to hazard events both before and after a disaster occurs – these populations may have mobility needs, uneven access to resources, and limited social networks that makes pre-disaster engagement challenging (FEMA, 2023).

There are an estimated 1,037 residents of the Borough of Roosevelt, of which an estimated 10% are under age 5 and 17.5% are over age 65. The Borough experienced a large population growth (up from an estimated 808 residents) over the periods between 2013-2017 and 2018-2022 ACS estimates. A nearly thirty percent population growth over two five-year survey periods, even for a small population, indicates a rate of growth which may present impacts for hazard vulnerability due to shifts in the local built environment.

There are no areas of the Borough which have been identified by CDRZ, CEJST, or OBC designation criteria.

Demographics Summary	
Total Population (2018-2022 ACS 5-year Estimates)	1,037
Population Change since 2017	28.3%
Percent of Population Age < 5	10.0%
Percent of Population > 65	17.5%

Source: 2018-2022 ACS 5-Year Estimates, 2013-2017 ACS 5-Year Estimates

HAZARD IDENTIFICATION

One of the first steps in developing a risk assessment is for participating municipalities to review and prioritize the hazards that can affect them. This was done based on how often a hazard has occurred, how significant effects have been in the past, the difficulty and cost of recovering from such events. Jurisdictions ranked the list of hazards as either high, medium, low, or no concern. The following include the Borough's hazard ranking. The full risk assessment for each hazard is located in Section 4.0.

Hazard Ranking

High	Medium	Low
Natural Hazards		
Nor'easter	Extreme Temperatures	Lightning
Wildfire	Extreme Wind	Drought
	Hurricane / Tropical Storm	Flood
	Tornado	Earthquake
	Winter Storm	
Human-made Hazards		
Pandemic	Cyber Attack	Civil Unrest
	Economic Disruption	Terrorism
	Power Failure	

Hazard Ranking Explanation

Power failures have increased from a low to a medium level of concern. In the summer of 2024, there was one power outage that lasted a few hours overnight. No one required alternative shelter, such as at Borough Hall.

On April 5, 2024, Roosevelt Borough experienced an earthquake, but it was minimal and caused no damage. Earthquakes remain at a low level of concern. Cyber-attacks continue to be a medium level of concern. The Borough has experienced phishing attempts, and one successful attempt resulted in stolen information.

Wildfires remain a high level of concern, given that the Assunpink Wildlife Management Area surrounds the Borough.

Significant Hazard Events Since Last Plan Update

None identified.

Climate Change Impacts on Extent and Magnitude of Hazards

Climate change is anticipated to significantly affect the risks and hazards faced by the Borough of Roosevelt. As global temperatures rise, the frequency and intensity of extreme weather events, such as hurricanes, nor'easters, and heavy rainfall, are expected to increase. This will exacerbate flooding, particularly in areas adjacent to Assunpink Creek and Rocky Brook, which encompass a substantial portion of Roosevelt. Although only 3.9% of the borough lies within the 1% annual chance flood zone, the increased prevalence of extreme weather events will heighten the risk of flooding in these areas. Furthermore, the borough's extensive forested and wetland areas are at heightened risk of wildfires, which are projected to become more frequent and severe due to prolonged periods of drought and elevated temperatures.

Additionally, climate change is likely to result in more intense and prolonged heatwaves, which can strain local infrastructure and pose health risks, especially to vulnerable populations such as the elderly.

RISK ASSESSMENT

National Flood Insurance Program (NFIP) statistics

Roosevelt Borough	
Initial FIRM Date	9/25/2009
Effective FIRM Date	9/25/2009
Number of Policies In-Force:	1
Total Losses:	4
Total Payments:	\$94,419.75
Number of RL Properties:	1
Number of Mitigated RL Properties:	0
RL – Total Losses:	2
RL – Total Paid:	\$94,419.75
Number of SRL Properties:	0
Number of Mitigated SRL Properties:	0
SRL – Total Losses:	0
SRL – Total Paid:	\$0

Source: FEMA Policy and Loss Data, August 2024

Vulnerability of the Built Environment

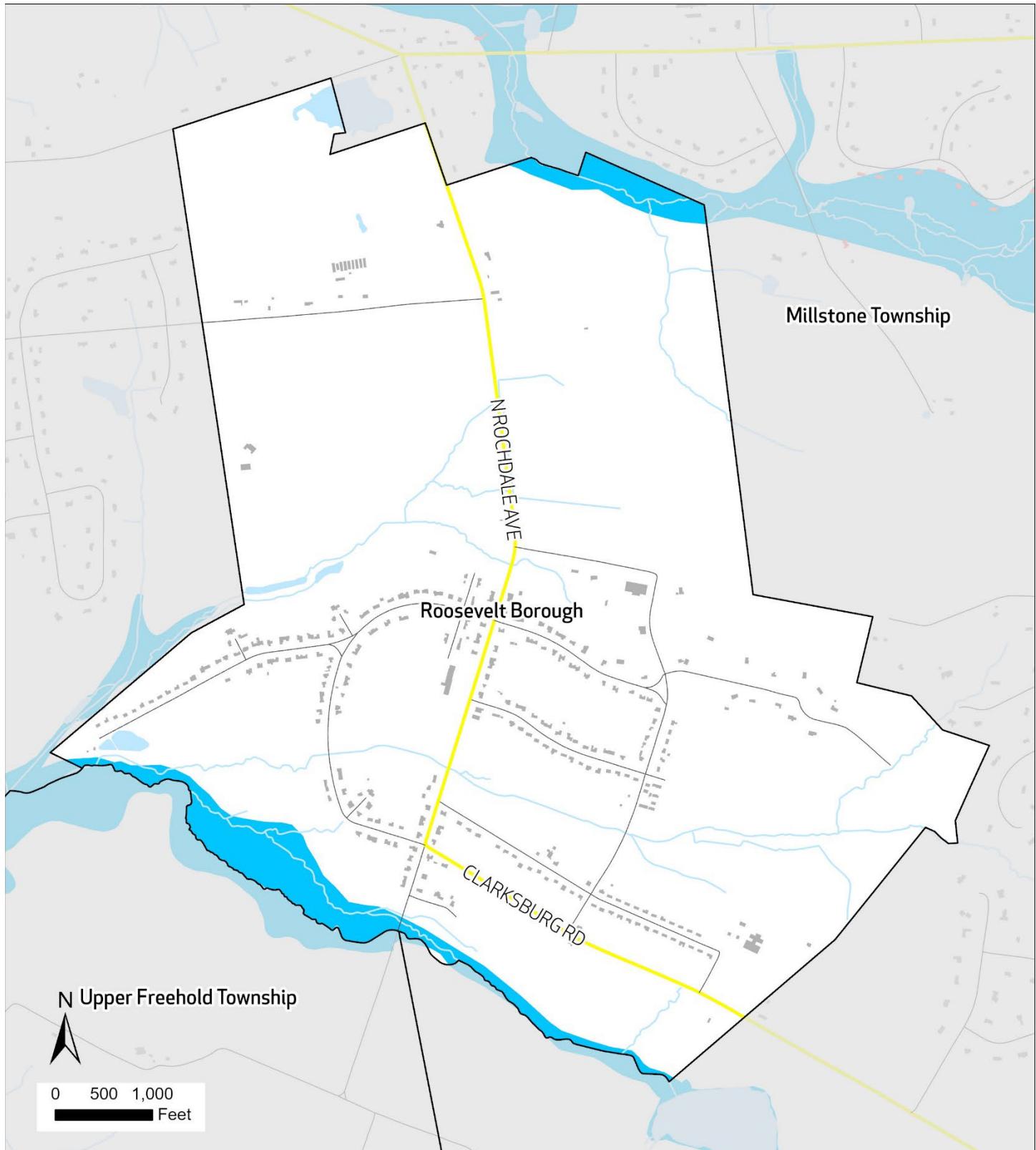
The Special Flood Hazard Area (SFHA) in the Borough of Red Bank is primarily located adjacent to Assumpink Creek and Rocky Brook. Approximately 3.9 percent of the total area of Roosevelt lies within the 1% annual chance flood zone as defined by FEMA. An additional 0 percent of the area of the municipality is in the 0.2% annual chance flood zone.

About 49.1 percent of Roosevelt is considered developed. Of the developed parcels of the town, 0.6 percent fall within the 1% annual chance flood zone and none are within the 0.2% annual chance flood zone. This illustrates that development in the municipality has generally occurred in areas that are less prone to flooding.

	Percentage in the 1% Floodplain	Percentage in the 0.2% Floodplain	5 Feet of Sea Level Rise
Developed Parcels	0.6%	NA	NA
Exposed Land Area	3.9%	NA	AN

During the planning process, Roosevelt identified critical facilities which function as community lifelines. These facilities provide the most fundamental services in the community that, when stabilized, enable all other aspects of society to function. The municipality identified 4 total facilities. Of these facilities, none are within the floodplain.

	Number in the 1% Floodplain	Number in the 0.2% Floodplain	Number within 5 feet of Sea Level Rise
Community Lifelines and Critical Facilities	-	NA	NA



Flood Risk

Roosevelt Borough

FEMA Flood Zone

A(1%)

County Routes

Local Roads

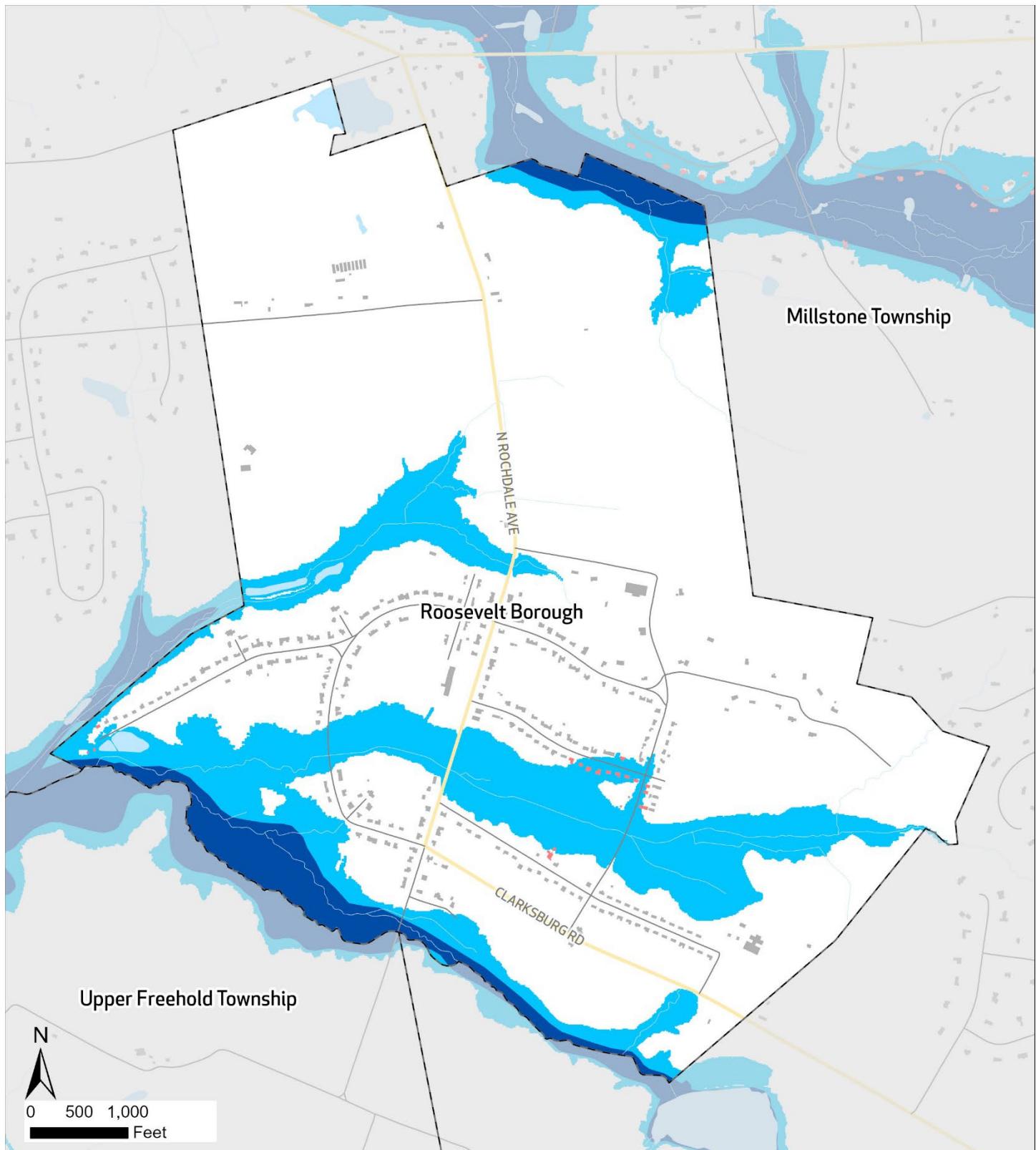
Municipal Boundaries

Building Footprints

Building Footprints within Floodplain

Water

Source: FEMA NJDEP, NJOIT, NJTransit



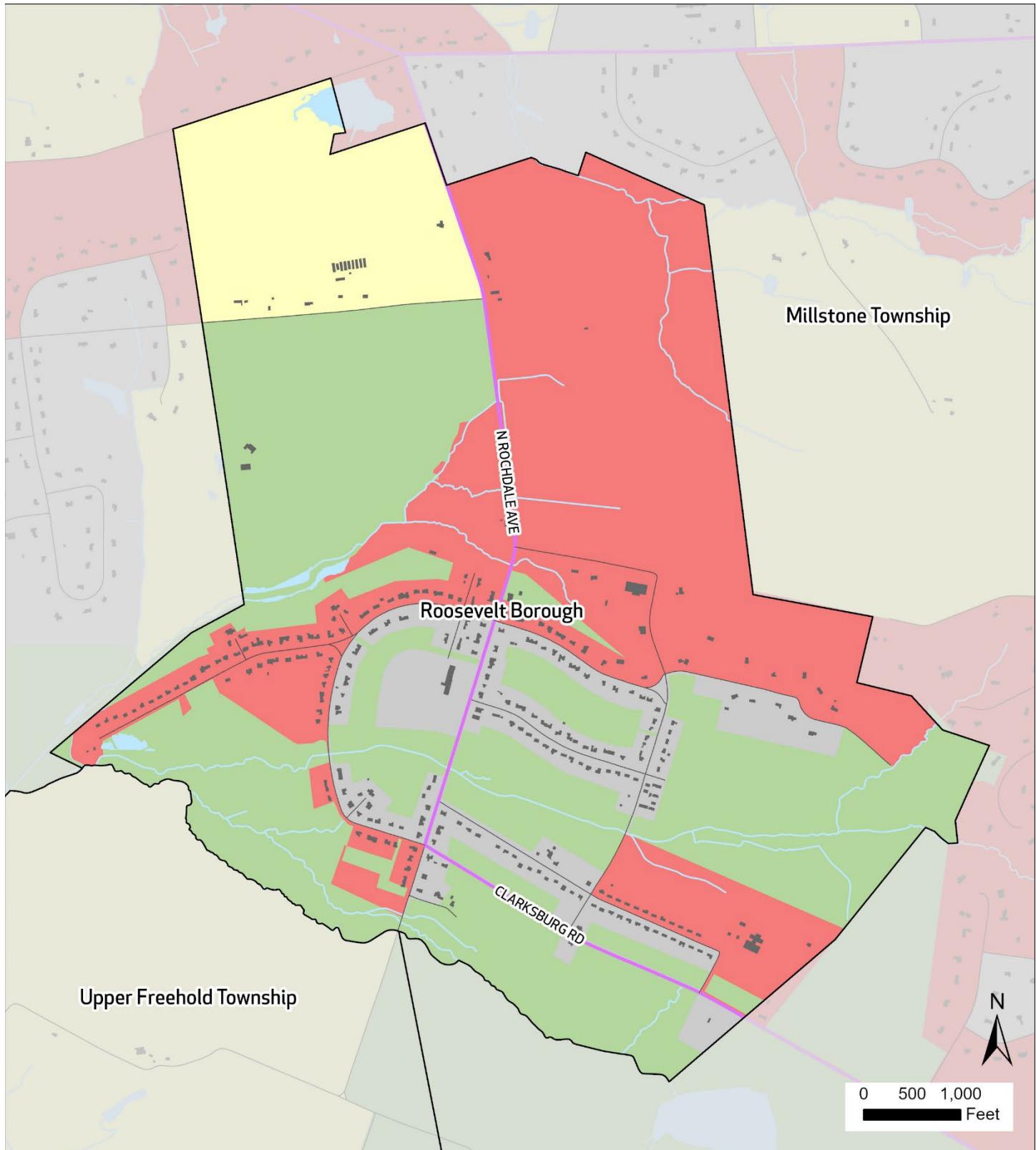
NJ Inland Design Flood Elevation Roosevelt Borough

FEMA Flood Zone
 Current Base Flood Elevation (1%)
 NJ Inland Design Flood Elevation
 FEMA BFE (1%) plus 3 Feet

County Routes
 Local Roads

Municipal Boundaries
 Water
 Building Footprints
 Building Footprints within IDFE

Source: FEMA, Rutgers University, NJDEP, NJOIT, NJTransit



Wildland Urban Interface (WUI) Classification

Roosevelt Borough

- Intermix
- High or Medium Density Housing
- Low or Very Low Density Housing
- No Housing

- County Routes
- Local Roads

- Municipal Boundaries
- Building Footprint
- Water

Source: USFS, NJDEP, NJOIT, NJTransit

CAPABILITY ASSESSMENT

Planning & Regulatory Capabilities

Roosevelt Borough has the following additional Planning & Regulatory capabilities:

Plan and Regulation	Yes	No	Date of last update	How does this capability support hazard mitigation?
Master Plan	X		2017	2022 Housing Plan Element and Fair Share Plan
Capital Improvement Plan		X		
Local Emergency Operations Plan/Continuity of Operations Plan	X		2022	2024 plan update is completed and awaiting approval. The plan contains action plans as well as information on reciprocal agreements to mitigate emergency hazards.
Floodplain Development Ordinance		X		
Floodplain Management Plan	X		2022	
Stormwater Management Ordinance		X		
Stormwater Management Plan	X		2024	The Stormwater Management Plan supports hazard mitigation by limiting the effect of Stormwater on local infrastructure and waterways.
Watershed Management Plan		X		
Sheltering Plan	X		2022	The sheltering plan is part of the local Emergency Operations Plan. It is meant to mitigate hazards to resident welfare during an emergency.
Evacuation Plan	X		2022	The evacuation plan is part of the local Emergency Operations Plan. It is meant to mitigate hazards to resident welfare during an emergency.
Substantial Damage/Improved Structures Response	X		2022	The response plan is part of the local Emergency Operations Plan. It is meant to mitigate hazards that may occur post-emergency/disaster due to damaged structures and/or infrastructure.
Repetitive Loss Plan		X		
Disaster Debris Management Plan		X		
Tracking elevation certificates and/or Letter of Map Change		X		
Post-Disaster Recovery Plan	X		2022	A limited post-disaster recovery plan is contained in the Borough's Emergency Operations Plan. No specific pieces of this plan specifically target socially vulnerable populations, though the needs of this community will be assessed in the event of an emergency. Climate change is expected to have no effect.
Current/recent redevelopment plans or studies	X			2003 Redevelopment Plan, 2011 Panhandle Region Plan
Community Wildfire Protection Plan		X		
Climate Adaptation Plan		X		
Other Plans that discusses hazard mitigation		X		
Other ordinance and regulation that mitigate the impacts of natural hazards		X		

Administrative and Technical Capabilities

Roosevelt Borough has the following Administrative and Technical capabilities:

Position	Yes	No	Explanation
Floodplain Administrator	X		Part-time municipal employee
Grant Writer		X	
Staff trained to support mitigation	X		OEM coordinator has some basic training in hazard mitigation.
Existing mutual aid or technical assistance agreements to support hazard mitigation projects	X		Mutual aid agreement with Millstone Township fire and emergency medical services and the American Red Cross for help with shelter management.
Non-governmental organizations/other partners	X		The American Red Cross offers workshops on local hazard mitigation activities.

Position	Yes	No	Explanation
that work with the municipality on mitigation projects			
Organizations that work with socially vulnerable or underserved populations	X		

Education and Outreach Capabilities

Roosevelt Borough has the following Education and Outreach capabilities:

Education & Outreach Capability	Yes	No	Explanation
Communicate natural and human-based hazards to the public	X		CodeRED alert system as well as an outdoor warning device at the Roosevelt public school.
StormReady	X		
Firewise USA	X		
Severe Weather Awareness Week	X		
Community Rating System (CRS)	X		

Financial Capabilities

Within the last five years, Roosevelt Borough has used the following financial capabilities to implement hazard mitigation activities:

Financial Capability	Yes	No	Explanation
FEMA BRIC	X		
FEMA FMA	X		
FEMA Public Assistance	X		
FEMA HMG	X		
Non-FEMA Federal Funding Programs	X		
Other FEMA resources	X		
NJ Infrastructure Bank	X		
Other state municipal assistance or grant programs	X		
Evaluation process on the prioritization of risk reduction projects against other local activities	X		
Other ongoing efforts to build additional financial capabilities	X		

Additional Capability Assessment Information:

- Sustainable Jersey Participation Status: Bronze

MITIGATION STRATEGY

Overview and Progress Since Last Plan Update

Roosevelt Borough is a residential community with significant swathes of protected forest and wetlands. Therefore, increasing the Borough's capacity to deal with hazards caused by extreme weather events, especially those involving forest fire or flooding, will remain a priority. Those actions that will be prioritized are: (1) Expanding the brush removal program to mitigate hazards caused by wildfires, including the speed at which they could spread and thus imperil both our residential and municipal properties; (2) Continue and Enhance the Stream Maintenance Program to decrease the hazards of flooding due to extreme weather events; and (3) Retrofit structures with Ignition-resistant materials when repairs are required in order to decrease the impact of wildfires on critical municipal infrastructure.

Completed or Removed Actions

Action	Name	Description	Hazards Addressed	Priority	Responsible Party	Potential Funding	Cost Estimate	Time-line	Action Status	Notes
41-1	John Deere "Gator" off Road vehicle	This would allow the town to not only navigate downed trees in the road but also get to emergencies that could happen in the 1,000+ acres of woods that surrounds Roosevelt.	Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Tornado	N/A	Borough Administrator	Municipal budget	\$8,000.00	N/A	Withdrawn	All major DPW work is done by an SSA with the County or Hightstown DPW or outside contractors.
41-2	Purchase and Install a Generator Synagogue and Roosevelt Elementary	Generator for shelter at Synagogue and school so they can be shelters.	All Hazards	N/A	Borough Administration	FEMA HMA		N/A	Withdrawn	The Borough does not have any authority on whether either of these buildings has a generator.

New and Ongoing Actions

Action	Name	Description	Hazards Addressed	Priority	Responsible Party	Potential Funding	Cost Estimate	Time-line	Action Status	Notes
41-3	Expand the Brush Removal Program	Systematic removal of brush and dead trees. Collect brush more frequently and better enlist property owner cooperation. Improve collection services and public participation in action description disposal of brush.	Wildfire	Medium	DPW	Municipal budget	Staff time	1 year	Ongoing	The Borough of Roosevelt has enlisted a volunteer citizen group to catalog dead trees on properties within the Borough and a plan to require the removal of said dead trees is being discussed. The brush removal program would benefit all Borough citizens, including socially vulnerable individuals. Climate change increases the urgency of removing brush where appropriate to mitigate fire hazards.

Action	Name	Description	Hazards Addressed	Priority	Responsible Party	Potential Funding	Cost Estimate	Time-line	Action Status	Notes
41-4	Join a New Jersey Forest Fire Service for Systematic Removal of Accumulated Brush	Participation in an anticipated program of the New Jersey Forest Fire Service for systematic action description removal of accumulated brush and dead trees from woodlands owned by the borough, the County Park Service, and NJDEP. Incorporate inspection and	Wildfire	Medium	Environmental Committee	Municipal budget	Staff time	1 year	Ongoing	No updates and not specifically targeted to socially vulnerable populations. This action plan is expected to become more important as climate change increases the likelihood of forest fires.
41-5	Purchase Tree Trimming Equipment for Downed Trees	The Borough needs the following tree trimming equipment: chainsaws, chipper, pull saw for high trees, and vehicle for equipment.	Flood, Extreme Wind, Lightening, Nor'easter, Hurricane and Tropical Storm, Wildfire, Winter Storm	Medium	Borough Administration, DPW	Municipal budget	Staff time	1 year	Ongoing	The Borough currently owns chain saws for downed trees, allowing us to clear some hazards that might impede traffic or cause other issues. This action does not specifically target socially vulnerable populations but affects all residents. With climate change causing additional extreme weather events, being able to clear hazards from downed trees will become increasingly important.
41-6	Update Security System for Critical Facilities	Update security system for municipal properties, borough hall, and the water and sewer plants.	All Hazards	Medium	Borough Administration; DPW	Homeland Security grants	TBD	1 year	Ongoing	Currently only Borough Hall has a burglar alarm system. This is intended to safeguard Borough property as well as to protect the private information of citizens. Climate change is expected to have no effect.
41-7	Install a Borough-wide Alert System	Alert system for fire, intruders (terrorism), or power loss.	All Hazards	Medium	Borough Administration	Homeland Security grants	Staff time	1 year	Ongoing	Roosevelt Borough employs Code Red, a system that notifies residents by phone, email, and text message of emergencies. Access to this system is open to all residents, including socially vulnerable populations. Climate change is not expected to affect this system.
41-8	Continue and Enhance the Stream Maintenance Program	Routinely remove debris from the Assumpink Creek and its Tributaries.	Flood, Extreme Wind, Lightening, Nor'easter, Hurricane	Medium	Borough Administration, DPW, Environmental Committee	Municipal budget	Staff time	5 + years	Ongoing	The Borough of Roosevelt has a team of volunteers who do routine stream monitoring. This activity is ongoing and reduces the likelihood of flooding for all citizens in the surrounding areas and who use the surrounding roads.

Action	Name	Description	Hazards Addressed	Pri- ority	Responsibl e Party	Potential Funding	Cost Estimate	Time- line	Action Status	Notes
			and Tropical Storm, Winter Storm							Climate change will make it even more important that this activity continues as severe weather events become more commonplace.
41-9	Install Traffic Calming Measures on Highly Traveled Roads	Install traffic calming measures such as traffic cones, signs with flashing lights, and/or speed bumps and speed tables, and during peak times, increased police presence to enforce speeding regulations.	All Hazards	High	Borough Administration	DOT, NJTPA, municipal budget	TBD	2 years	Ongoing	Speed bumps have been installed on several roads within the Borough. Discussion of other methods to calm traffic is ongoing between residents and Borough Council. This action impacts the safety of all citizens. Climate change is not expected to affect the action outcome.
41-10	Provide Outreach on Tick Control	Coordinate with Monmouth County Health Department on tick control and provide outreach to residents.	All Hazards	Low	Borough Administration, Environmental Committee	Municipal budget	Staff time	1 year	Ongoing	No updates. Given the danger of tick-borne diseases for all residents, this action will remain an important action item.
41-11	Acquire, elevate, or relocate buildings and infrastructure in flood prone areas, with a focus on Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties	Although there are currently no RL or SRL properties in the Borough; however if in the next five years properties become RL/SRL, coordinate with residents to mitigate properties through structure elevation, demolition to open space, or other type of mitigation. .	Flood, Nor'easter, Hurricane and Tropical Storm	High	Borough and Property Owners	FEMA HMA	TBD on property	5 + years	Ongoing	There are still no RL or SRL properties in the Borough. If, in the next five years, properties become RL/SRL, the Borough will coordinate with residents to mitigate the attendant hazards. This potentially affects all Borough residents and will become more important as climate change causes increasing likelihood of severe weather events.
41-12	Retrofit Critical Structures with Ignition-Resistant Materials	Install roof coverings, sheathing, flashing, skylights, roof and attic vents, eaves, and gutters that conform to ignition-resistant construction standards.	Wildfire	High	Borough	FEMA HMA	TBD	2 years	Ongoing	No update. With climate change, it becomes even more important to safeguard critical infrastructure against extreme weather events such as fire. This is even more true for socially vulnerable populations who have less means to escape and/or mitigate the harmful effects of damage to our water treatment facilities, etc.

Action	Name	Description	Hazards Addressed	Pri- ority	Responsible Party	Potential Funding	Cost Estimate	Time-line	Action Status	Notes
41-13	Develop plans for pandemic response for Roosevelt Solar Village	Roosevelt Solar Village is a complex with 20 low-income housing units for disabled individuals 18 and over and seniors aged 62 and older.	Pandemic	High	Borough	County Health Dpt., Borough funds	Staff Time	2 years	New 2026	