



9.15 BOROUGH OF PAULSBORO

This section presents the jurisdictional annex for the Borough of Paulsboro and includes resources and information to assist public and private sectors with reducing losses from future hazard events. This annex is not intended as guidance for actions to take during a disaster. Rather, this annex provides actions that can be implemented prior to a disaster to reduce or eliminate damage to property and people. The annex includes a general overview of the municipality and who in the Borough participated in the planning process, an assessment of the Borough of Paulsboro’s risk and vulnerability, the different capabilities used in the Borough, and an action plan that will be implemented to achieve a more resilient community.

9.15.1 Hazard Mitigation Planning Team

The Borough of Paulsboro followed the planning process described in Section 3 (Planning Process) in Volume I of this plan update and developed the annex over the course of several months with input from many Borough departments as summarized in the table below. The primary and alternate points of contact represented the community on the Planning Partnership and supported the local planning process requirements by securing input from persons with specific knowledge to enhance the plan. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization.

The coronavirus pandemic resulted in a strain on local resources that limited some participation, but every effort was made to connect with staff and stakeholders and gain diverse input. Due to safety precautions, all meetings were held virtually.

The following table summarizes municipal officials that participated in the development of the annex and in what capacity, including the Borough of Paulsboro’s hazard mitigation plan primary and alternate points of contact. Additional documentation on the municipality’s planning process through Planning Partnership meetings is included in Section 3 (Planning Process) and Appendix C (Meeting Documentation).

Table 9.15-1. Hazard Mitigation Planning Team

Primary Point of Contact	Alternate Point of Contact
Name/Title: Gary Stevenson, Mayor Address: 1201 North Delaware St, Paulsboro, NJ 08066 Phone Number: 609-617-9493 Email: gstevenson@paulsboronj.org	Name/Title: Susan Jacobucci, Administrator Address: 1201 North Delaware St, Paulsboro, NJ 08066 Phone Number: 856-423-1500 Email: sjacobucci@paulsboronj.org
NFIP Floodplain Administrator	
Name/Title: Eric Bierman, Sickels & Associates, Inc. Address: 833 Kings Highway, Woodbury, NJ 08096 Phone Number: p 856-848-6800 Email: ekb@sickelassoc.com	



Name	Title	Method of Participation
Gary Stevenson	Mayor	Annex Meeting (3 hour)
Susan Jacobucci	Administrator	Annex Meeting (1.5 hour)
George Marra	Zoning Official	

9.15.2 Municipal Profile

Paulsboro, New Jersey is an industrial town located on the Delaware River across from Philadelphia. It is bound by the Delaware River on the north, the Mantua Creek on the east, Greenwich Township on the west and East Greenwich Township on the South. 1904 is considered the beginning date for Paulsboro, but its history actually begins with the Leni Lenape Indians who inhabited the area then known as Crown Point. Paulsboro is the home of Fort Billingsport, the first land purchase made by the United States, acquired the day after the signing of the United States Declaration of Independence. The East Jefferson Street railroad bridge over Mantua Creek was built in 1917 and rebuilt in 1940 for the Pennsylvania-Reading Seashore Lines (PRSL).

According to the United States Census Bureau, the borough had a total area of 2.63 square miles, including 1.92 square miles of land and 0.71 square miles of water. The East Jefferson Street railroad bridge over Mantua Creek was built in 1917 and rebuilt in 1940 for the Pennsylvania-Reading Seashore Lines (PRSL). It is now part of Conrail's Penns Grove Secondary. Unincorporated communities, localities and place names located partially or completely within the borough include Billingsport.

The municipality is governed under the borough form of municipal government. The governing body is comprised of the Mayor and the Borough Council, with all positions elected at-large on a partisan basis. The Mayor is elected directly by the voters to a four-year term of office. The Borough Council is comprised of six members elected to serve three-year terms on a staggered basis.

According to the U.S. Census, the 2010 population for the Borough of Paulsboro was 6,097. The estimated 2019 population was 5,904, a 3.3 percent decrease from the 2010 Census. Data from the 2019 U.S. Census American Community Survey indicate that 13.5 percent of the population is 5 years of age or younger and 5.9 percent is 65 years of age or older. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.

9.15.3 Jurisdictional Capability Assessment and Integration

The Borough of Paulsboro performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Section 6 (Capability Assessment) describes the components included in the capability assessment and their significance for hazard mitigation planning. This section summarizes the following findings of the assessment:

- An assessment of planning, legal and regulatory capabilities.



- Development and permitting capabilities.
- An assessment of administrative and technical capabilities
- An assessment of fiscal capabilities.
- An assessment of education and outreach capabilities.
- Classification under various community mitigation programs.
- The community's adaptive capacity to withstand hazard events.

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. Annex development included reviewing planning and policy documents and surveying each jurisdiction to obtain a better understanding of their progress in plan integration and how risk reduction is supported. Areas with current mitigation integration are summarized in this jurisdictional Capability Assessment (Section 9.15.3). The updated mitigation strategy includes opportunities the Borough of Paulsboro identified for integration of mitigation concepts to be incorporated into municipal procedures.

9.15.3.1 Planning, Legal, and Regulatory Capability

Section 6 (Capability Assessment) provides an overview of the planning, legal, and regulatory capabilities. The table below summarizes the regulatory tools that are available to the Borough of Paulsboro, what is present in the jurisdiction, and code citation and date.

Table 9.15-2. Planning, Legal, and Regulatory Capability

	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Codes, Ordinances, & Regulations					
Building Code	Yes	Yes	Chapter 23 Construction Codes, Uniform	State and Local	Construction Code Department
<i>How does this reduce risk?</i> The Borough adopted the New Jersey State Uniform Construction Code.					
Zoning/Land Use Code	Yes	Yes	Chapter 80 Zoning	Local	Land Use Board
<i>How does this reduce risk?</i> The Paulsboro Borough Zoning Ordinance of 1955 is enacted for the following purposes: to promote the health, morals and general welfare of the inhabitants of the Borough of Paulsboro; to lessen congestion in the streets; secure safety from fire, panic and other dangers; provide adequate light and air; prevent the overcrowding of land or buildings; avoid undue concentration of population; and to conserve the value of property and encourage the most appropriate use of land.					
Subdivision Ordinance	Yes	Yes	Chapter 70 Subdivision of Land	Local	Land Use Board
<i>How does this reduce risk?</i> The purpose of this chapter shall be to provide rules, regulations and standards to guide the subdivision of land in the Borough in order to promote the public health, safety, convenience and general welfare of the municipality. It shall be administered to ensure the orderly growth and development, the conservation, protection and proper use of land and adequate provision for circulation, utilities, and services in the Borough of Paulsboro.					
Stormwater Management Ordinance	Yes	Yes	Ordinance 06.21 Adopted October 5, 2021	Local	2022-Paulsboro-005
<i>How does this reduce risk?</i> This is required by law to be posted to the municipality's website.					
Post-Disaster Recovery/ Reconstruction Ordinance	No	No	-	-	-



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Real Estate Disclosure	No	Yes	-	State	-
<i>How does this reduce risk?</i> Could require disclosure of risk.					
Growth Management	Yes	Yes	Chapter 80 Zoning	Local	Land Use Board
<i>How does this reduce risk?</i> The Zoning regulations establishes restrictive zoning.					
Site Plan Ordinance	Yes	Yes	Chapter 65 Site Plan Review	Local	Land Use Board
<i>How does this reduce risk?</i> The purposes of this chapter are as follows: A. To provide rules, regulations and standards to guide the development of lands in this Borough in a manner which will promote the public health, safety, morals and general welfare. B. To ensure the orderly development, conservation, protection and proper use of land and adequate provision for circulation, utilities and services. C. To provide adequate light, air and open space. D. To ensure the coordination of development within the Borough with the development and general welfare of neighboring municipalities, the county and the State of New Jersey as a whole. E. To encourage the location and design of transportation routes which will promote the free flow of traffic while discouraging location of such facilities and routes which result in congestion or blight. F. To promote a desirable visual environment through creative development techniques and good civic design and arrangement. G. To promote the conservation of open space and valuable natural resources and to prevent urban sprawl and degradation of the environment through improper use of land. H. To encourage development which incorporates the best features of design and to relate the type, design and layout of residential, commercial, industrial and recreational development to the particular site. I. To encourage coordination of the various public and private procedures and activities shaping land development with a view to lessening the cost of such development, to ensuring the most efficient use of land and to protecting the Borough from undue obligations from land development. J. To promote the conservation of energy through the use of planning practices designed to reduce energy consumption and to provide for maximum utilization of renewable energy sources. K. To promote the maximum practical recovery and recycling of recyclable materials from municipal solid waste through the use of planning practices designed to incorporate the goals of the municipality's recycling program.					
Environmental Protection Ordinance	No	No	-	-	-
Flood Damage Prevention Ordinance	Yes	Yes	Chapter 35A Flood Damage Prevention (6/21/2016)	Federal, State, County and Local	2022-Paulsboro-003
<i>How does this reduce risk?</i> It is the purpose of this ordinance to promote the public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specific areas by provisions designed to: A. Protect human life and health; B. Minimize expenditure of public money for costly flood control projects; C. Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public; D. Minimize prolonged business interruptions; E. Minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets, and bridges located in areas of special flood hazard; F. Help maintain a stable tax base by providing for the second use and development of areas of special flood hazard so as to minimize future flood blight areas; G. Ensure that potential buyers are notified that property is in an area of special flood hazard; and H. Ensure that those who occupy the areas of special flood hazard assume responsibility for their actions.					
Wellhead Protection	No	No	-	-	-
Emergency Management Ordinance	No	No	-	-	-
Climate Change Ordinance	No	No	-	-	-
Disaster Recovery Ordinance	No	No	-	-	-
Disaster Reconstruction Ordinance	No	No	-	-	-
Other	No	No	-	-	-
Codes, Ordinances, & Regulations Connection to Mitigation and Safe Growth					
<ul style="list-style-type: none"> Prior to, zoning changes, or development permitting, the jurisdiction reviews the hazard mitigation plan and other hazard analyses to ensure consistent and compatible land use. 					



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
<ul style="list-style-type: none"> The zoning ordinance does not discourage development or redevelopment within natural areas including wetlands, floodways, and floodplains. The zoning ordinance does not contain natural overlay zones that set conditions. The zoning ordinance requires developers to take additional actions to mitigate natural hazard risk. Rezoning procedures recognize natural hazard areas as limits on zoning changes that allow greater intensity or density of use. The ordinances do not prohibit development within, or filling of, wetlands, floodways, and floodplains. The subdivision regulations restrict the subdivision of land within or adjacent to natural hazard areas. The regulations do not provide for conservation subdivisions or cluster subdivisions in order to conserve environmental resources. The regulations do not allow for density transfers where hazard areas exist. When updating ordinances, hazard mitigation is considered. 					
Planning Documents					
Master Plan	Yes	Yes	1962. Updated: 2012	Local	Borough OEM
<i>How does this reduce risk?</i>					
Capital Improvement Plan	Yes	Allowed	2020	Local	Department of Public Works
<i>How does this reduce risk?</i>					
Used to identify gaps and increase capacity to emergency response.					
Disaster Debris Management Plan	No	No	-	-	2022-Paulsboro-004
<i>How does this reduce risk?</i>					
Provides resources for disposal of debris generated from hazard events.					
Floodplain Management or Watershed Plan	No	No	-	-	-
Stormwater Management Plan	No	Yes	-	Local	2022-Paulsboro-005
<i>How does this reduce risk?</i>					
This plan is required by the NJ Tier A stormwater permit.					
Stormwater Pollution Prevention Plan	No	Yes	-	Local	2022-Paulsboro-005
<i>How does this reduce risk?</i>					
This plan is required by the NJ Tier A stormwater permit.					
Urban Water Management Plan	No	No	-	-	-
Habitat Conservation Plan	No	No	-	-	-
Economic Development Plan	No	No	-	-	-
Shoreline Management Plan	No	No	-	-	-
Community Wildfire Protection Plan	No	No	-	-	-
Community Forest Management Plan	No	No	-	-	-
Transportation Plan	No	No	-	-	-
Agriculture Plan	No	No	-	-	-
Climate Action/ Resiliency Plan	No	No	-	-	-
Tourism Plan	No	No	-	-	-



	Jurisdiction has this? (Yes/No)	Required by State? (Yes/No)	Code Citation and Date (code chapter, name of plan, date of plan)	Authority (local, county, state, federal)	Individual / Department / Agency Responsible
Business/ Downtown Development Plan	No	No	-	-	-
Other					
Planning Connection to Mitigation and Safe Growth					
<ul style="list-style-type: none"> When constructing upcoming budgets, hazard mitigation actions will be funded as budget allows through the capital improvement program. There is a separate line item for snow emergency. A separate line item would be added to the budget for hazard mitigation actions, as needed and the budget amended to include that action. Construction projects are evaluated to see if they meet the hazard mitigation goals. Annually, the jurisdiction will review mitigation actions when allocating funding. Budgets limit expenditures on projects that would encourage development in areas vulnerable to natural hazards. Infrastructure policies limit extension of existing facilities and services that would encourage development in areas vulnerable to natural hazards. Budgets would provide funding for hazard mitigation projects identified in the County HMP, as needed. The land use map clearly identifies natural hazard areas. The land use policies discourage development or redevelopment with natural hazard areas. The plan provides adequate space for expected future growth in areas located outside natural hazard areas, as much as possible. The transportation plan limits access to hazard areas. The transportation policy is used to guide growth to safe locations. Transportation systems are designed to function under disaster conditions (e.g., evacuation). Environmental systems that protect development from hazards are not identified and mapped. Environmental policies are not established to maintain and restore protective ecosystems. Environmental policies to provide incentives to development that is located outside protective ecosystems is not applicable. 					
Response/Recovery Planning					
Emergency Operations Plan	Yes	Yes	2019	Local	Borough OEM
<i>How does this reduce risk?</i> The plan reduces risk by appropriate allocation of resources during emergency situations.					
Strategic Recovery Planning Report	No	No	-	-	-
Threat & Hazard Identification & Risk Assessment (THIRA)	No	No	-	-	-
Post-Disaster Recovery Plan	No	No	-	-	-
Continuity of Operations Plan	No	No	-	-	-
Public Health Plan	No	No	-	-	-
Other	No	No	-	-	-
Response/Recovery Planning Connection to Mitigation and Safe Growth					
<ul style="list-style-type: none"> The EOP covers short-term response and long-term recovery to address communications, evacuation, and housing necessary for identified hazards. 					

9.15.3.2 Development and Permitting Capability

The table below summarizes the capabilities of the Borough of Paulsboro to oversee and track development.



Table 9.15-3. Development and Permitting Capability

Indicate if your jurisdiction implements the following	Yes/No	Comment
Do you issue development permits? <ul style="list-style-type: none"> If yes, what department is responsible? If no, what is your process for development? 	Yes	Land Use Board
Are permits tracked by hazard area? (For example, floodplain development permits.)	No	N/A
Do you have a buildable land inventory? <ul style="list-style-type: none"> If yes, describe. If no, quantitatively describe the level of buildout in the jurisdiction. 	Yes	A spreadsheet with all the vacant lots is available. 90% built out

9.15.3.3 Administrative and Technical Capability

The table below summarizes potential staff and personnel resources available to the Borough of Paulsboro and their current responsibilities which contribute to hazard mitigation.

Table 9.15-4. Administrative and Technical Capabilities

Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
Administrative Capability		
Planning Board	Yes	Land Use Board
Zoning Board of Adjustments	Yes	Land Use Board
Planning Department	No	
Mitigation Planning Committee	No	
Environmental Board/Commission	Yes	Environmental Commission
Open Space Board/Committee	No	
Economic Development Commission/Committee	Yes	Economic Development Committee
Public Works/Highway Department	Yes	Public Works Department
Construction/Building/Code Enforcement Department	Yes	Code Enforcement
Emergency Management/Public Safety Department	Yes	OEM, Police
Warning Systems / Services (mass notification system, outdoor warning signals)	Yes	Siren and Audible PA, EverBridge
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	Yes	Street sweeping, clear inlets before storms
Mutual aid agreements	Yes	Police, Fire, EMS (County Dispatch)
Human Resources Manual - Do any job descriptions specifically include identifying or implementing mitigation projects or other efforts to reduce natural hazard risk?	Yes	No specific staff
Other	No	-
Technical/Staffing Capability		
Planners or engineers with knowledge of land development and land management practices	Yes	Land Use Board – CME Engineering Municipal Engineer – Sickels and Associates
Engineers or professionals trained in building or infrastructure construction practices	Yes	Land Use Board – CME Engineering Municipal Engineer – Sickels and Associates



Resources	Available? (Yes/No)	Comments (available staff, responsibilities, support of hazard mitigation)
Planners or engineers with an understanding of natural hazards	Yes	Land Use Board – CME Engineering Municipal Engineer – Sickels and Associates
Staff with expertise or training in benefit/cost analysis	Yes	Land Use Board – CME Engineering Municipal Engineer – Sickels and Associates
Professionals trained in conducting damage assessments	No	The Joint Insurance Fund provides adjusters after hazard events.
Personnel skilled or trained in GIS and/or Hazards United States (HAZUS) – Multi-Hazards (MH) applications	Yes	Municipal Engineer – Sickels and Associates
Scientist familiar with natural hazards	Yes	Land Use Board – CME Engineering Municipal Engineer – Sickels and Associates
Surveyor(s)	Yes	Land Use Board – CME Engineering Municipal Engineer – Sickels and Associates
Emergency Manager	No	-
Grant writer(s)	Yes	Triad Associates. Data and maps from the HMP are used to support documentation in grant applications.
Resilience Officer	No	-
Other (this could include stormwater engineer, environmental specialist, etc.)	No	-
<p>How do your administrative/technical capabilities contribute to risk reduction in your community?</p> <ul style="list-style-type: none"> The Borough has a very robust assessment system. Land development decisions dealing with natural environments are consulted with the professionals to aid in better planning. 		

9.15.3.4 Fiscal Capability

The table below summarizes financial resources available to the Borough of Paulsboro.

Table 9.15-5. Fiscal Capabilities

Financial Resources	Are these accessible or eligible to use for mitigation? (Yes/No) If yes, please describe. If no, can this be used to support in the future?
Community development Block Grants (CDBG, CDBG-DR)	Yes
Capital improvements project funding	Yes
Authority to levy taxes for specific purposes	No
User fees for water, sewer, gas or electric service	Yes
Impact fees for homebuyers or developers of new development/homes	No
Stormwater utility fee	No
Incur debt through general obligation bonds	Yes
Incur debt through special tax bonds	Yes
Incur debt through private activity bonds	No
Withhold public expenditures in hazard-prone areas	Yes
Other federal or state funding programs	Yes
Open Space Acquisition funding programs	No



Financial Resources	Are these accessible or eligible to use for mitigation? (Yes/No) If yes, please describe. If no, can this be used to support in the future?
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	No
Fiscal Connection to Mitigation and Safe Growth	
<ul style="list-style-type: none"> Fiscal capabilities contribute to risk reduction in the community by providing grants and funding for restoration projects and hazard mitigation. When constructing upcoming budgets, hazard mitigation actions will be funded as budget allows. Construction projects will be evaluated to see if they meet the hazard mitigation goals. Annually, the jurisdiction will review mitigation actions when allocating funding. Budgets limit expenditures on projects that would encourage development in areas vulnerable to natural hazards. Infrastructure policies limit extension of existing facilities and services that would encourage development in areas vulnerable to natural hazards. Budgets provide funding for hazard mitigation projects identified in the County HMP, when necessary. 	

9.15.3.5 Education and Outreach Capability

The table below summarizes the education and outreach resources available to the Borough of Paulsboro.

Table 9.15-6. Education and Outreach Capabilities

Outreach Resources	Available? (Yes/No)	Comments (available staff, responsibilities, etc.)
Public information officer or communications office	Yes	Mayor
Personnel skilled or trained in website development	Yes	Information Technology Consultant
Hazard mitigation information available on your website	No	-
Social media for hazard mitigation education and outreach	Yes	Facebook
Citizen boards or commissions that address issues related to hazard mitigation	Yes	Environmental Commission
Other programs already in place that could be used to communicate hazard-related information	Yes	Police outreach, mailings, EverBridge
Warning systems for hazard events	Yes	
Natural disaster/safety programs in place for schools	No	-
Other	No	-
<i>The jurisdiction has public outreach mechanisms / programs in place to inform citizens on natural hazards, risk, and ways to protect themselves during such events through EverBridge and mailings.</i>		

9.15.3.6 Community Classifications

The table below summarizes classifications for community programs available to the Borough of Paulsboro.



Table 9.15-7. Community Classifications

Program	Participating? (Yes/No)	Classification (if applicable)	Date Classified (if applicable)
Community Rating System (CRS)	No	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	No	-	-
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	8	2018
Sustainable Jersey	Yes	Pending	Pending
StormReady Certification	No	-	-
Firewise Communities classification	No	-	-

Note:

- N/A Not applicable
- NP Not participating
- Unavailable

9.15.3.7 Adaptive Capacity

Adaptive capacity is defined as “the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or respond to consequences” (IPCC 2014). In other words, it describes a jurisdiction’s current capabilities to adjust to, protect from, or withstand a future hazard event, future conditions, and changing risk. The table below summarizes the adaptive capacity for each hazard of concern and the jurisdiction’s rating.

Table 9.15-8. Adaptive Capacity

Hazard	Adaptive Capacity - Strong/Moderate/Weak*
Coastal Erosion/Sea Level Rise	Moderate
Dam Failure/Levee Failure	Moderate/Shared Services
Disease Outbreak/Pandemic	Strong
Drought	Moderate
Earthquake	Weak
Extreme Temperatures	Moderate
Flood	Moderate
Geological Hazards	Moderate
High Wind	Moderate
Invasive Species/Harmful Algal Bloom	Moderate
Severe Summer Weather	Moderate
Severe Winter Weather	Moderate
Wildfire	Strong

*Strong = Capacity exists and is in use, Moderate = Capacity may exist; but is not used or could use some improvement, Weak = Capacity does not exist or could use substantial improvement.



9.15.4 National Flood Insurance Program (NFIP) Compliance

The table below provides specific information on the management and regulation of the regulatory floodplain, including current and future compliance with the NFIP.

Table 9.15-9. NFIP Summary

NFIP Topic	Comments
Flood Vulnerability Summary	
<ul style="list-style-type: none"> # NFIP Policies: # RL properties: # SRL properties: # RL/SRL mitigated: (elevation or acquisition and funding source: XXX) 	<ul style="list-style-type: none"> Total premium in force: \$ # claims filed: Total loss payments: \$
Describe areas prone to flooding in your jurisdiction.	
Do you maintain a list of properties that have been damaged by flooding?	
Do you maintain a list of property owners interested in flood mitigation, and if so, how many are interested in (elevation or acquisition)?	
How do you make Substantial Damage determinations?	
<ul style="list-style-type: none"> How many were declared for recent flood events in your jurisdiction? 	
Detail any RiskMAP projects currently underway in your jurisdiction.	
Do your flood hazard maps adequately address the flood risk within your jurisdiction?	
<ul style="list-style-type: none"> If not, state why. 	
NFIP Administration	
What local department is responsible for floodplain management?	
Are any staff certified floodplain managers (CFMs) or is a consultant retained?	
Provide an explanation of who in your municipality provides NFIP administration services (permit review, GIS, education/outreach, inspections, engineering capability).	
What specific training or support does your floodplain management staff need to support its floodplain management program?	
How do you determine if proposed development on an existing structure would qualify as a substantial improvement?	
Do you have access to resources to determine possible future flooding conditions from climate change?	
NFIP Compliance	
List any outstanding NFIP compliance violations.	
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?	



NFIP Topic	Comments
What is the local law number or municipal code of your flood damage prevention ordinance? What is the date that your flood damage prevention ordinance was last amended?	
Does your floodplain management program meet or exceed minimum requirements? • If exceeds, in what ways?	
Are there other local ordinances, plans, or programs (site plan review, consideration of flood risk reduction when granting height variances) that support floodplain management and meeting the NFIP requirements?	
Does your jurisdiction participate in CRS? • If yes, is your jurisdiction interested in improving its CRS Classification? • If no, is your jurisdiction interested in joining the CRS program?	

Source:

Notes:

RL—Repetitive Loss; SRL—Severe Repetitive Loss; NA—Not applicable

9.15.5 Growth/Development Trends

Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to understanding a jurisdiction’s overall risk to its hazards of concern. The table below summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development.

Table 9.15-10. Recent and Expected Future Development

Type of Development	2016		2017		2018		2019		2020		2021	
Number of Building Permits for New Construction Issued Since the Previous HMP* (within regulatory floodplain/ outside regulatory floodplain)												
	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA	Total	Within SFHA
Single Family	0	-	0	-	0	-	0	-	1	0	2	0
Multi-Family	0	-	0	-	0	-	0	-	0	-	-	-
Other (commercial, mixed-use, etc.)	0	-	0	-	0	-	0	-	1	0	9	9
Total Permits Issued	0	-	0	-	0	-	0	-	2	0	11	9
Property or Development Name	Type of Development	# of Units / Structures		Location (address and/or block and lot)		Known Hazard Zone(s)*		Description / Status of Development				
Recent Major Development and Infrastructure from 2015 to Present												
The Paulsboro Port	Commercial	1 Dock		Paulsboro Port		In the River		Initial Building Complete, Expansion Ongoing				



Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years					
The Wind Turbine Plant	Commercial	6 Buildings	Paulsboro Port	None	In construction
295 Corridor	Commercial	3-8 Buildings	Lodge Avenue near I-295	None	In planning

SFHA Special Flood Hazard Area (1% annual chance flood event)

* Only location-specific hazard zones or vulnerabilities identified.

9.15.6 Jurisdictional Risk Assessment

The hazard profiles in Section 5 (Risk Assessment) provide detailed information regarding each plan participant’s vulnerability to the identified hazards. Section 5.1 (Hazards of Concern), Section 5.2 (Methodology and Tools), and Section 5.3 (Hazard Ranking) provide a detailed summary for the Borough of Paulsboro’s risk assessment results, and data used to determine the hazard ranking are discussed later in this section.

Hazard area extent and location maps provided below illustrate the probable areas impacted within the jurisdiction. These maps are based on the best available data at the time of the preparation of this plan and are adequate for planning purposes. Maps were only generated for those hazards that can be clearly identified using mapping techniques and technologies and for which the Borough of Paulsboro has significant exposure. The maps also show the location of potential new development, where available.

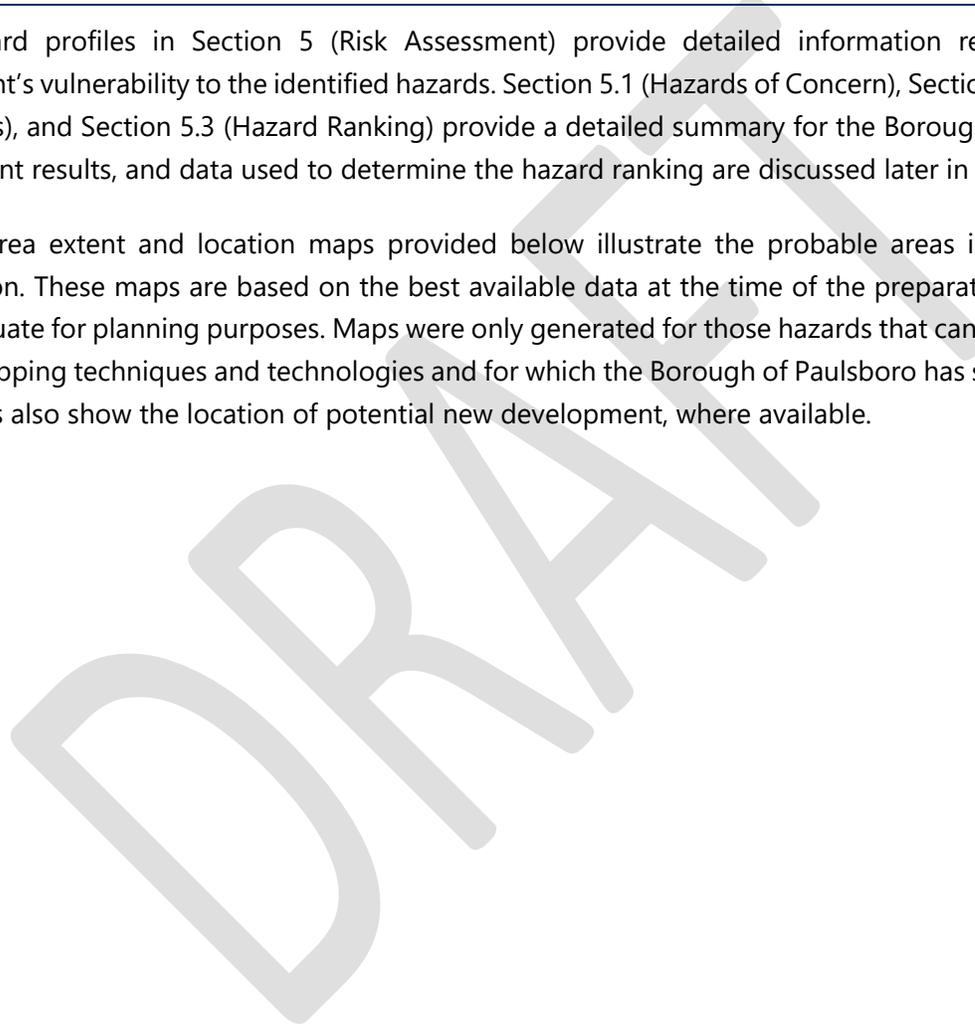




Figure 9.15-1. Borough of Paulsboro Hazard Area Extent and Location Map 1

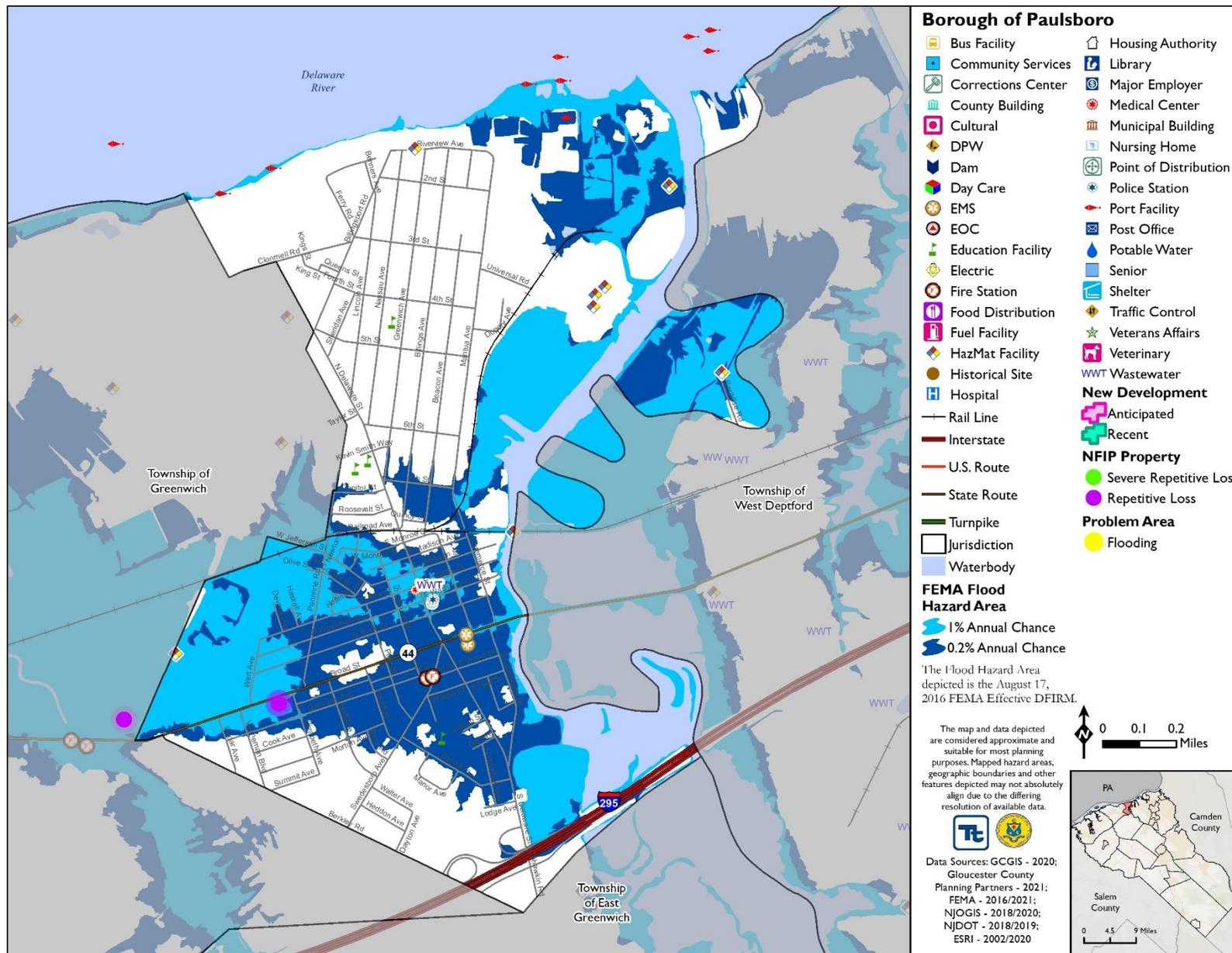




Figure 9.15-2. Borough of Paulsboro Hazard Area Extent and Location Map 2

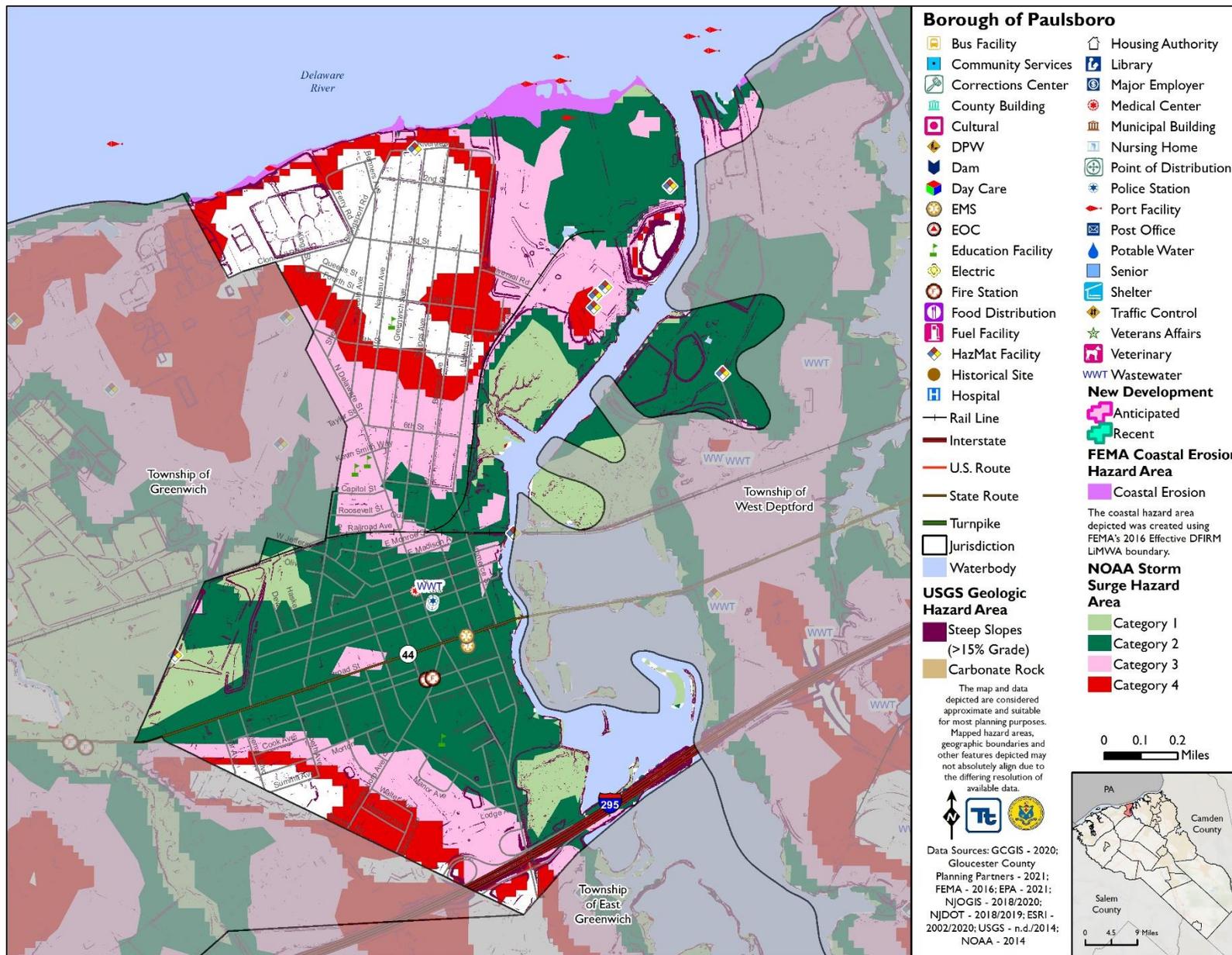




Figure 9.15-3. Borough of Paulsboro Hazard Area Extent and Location Map 3

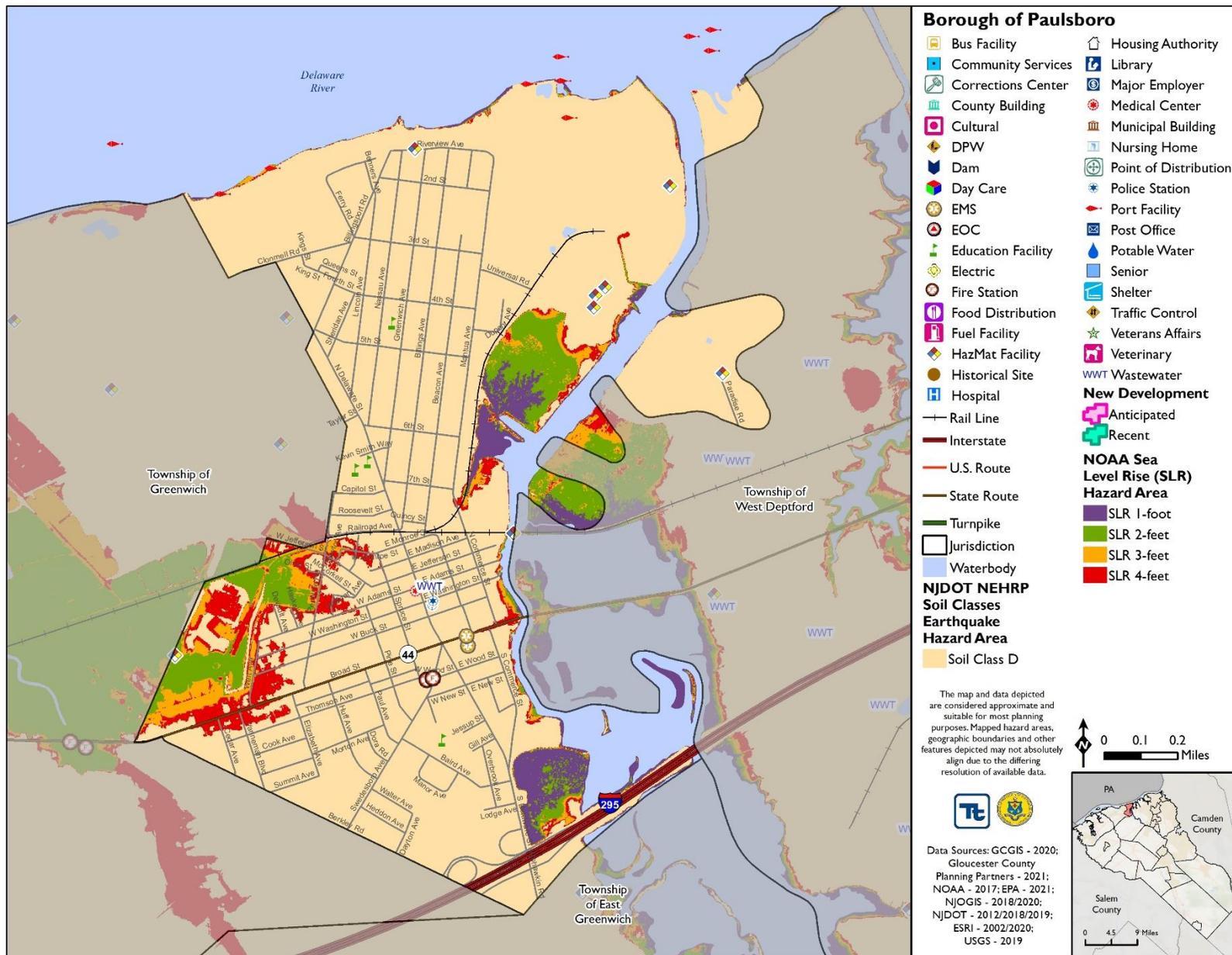
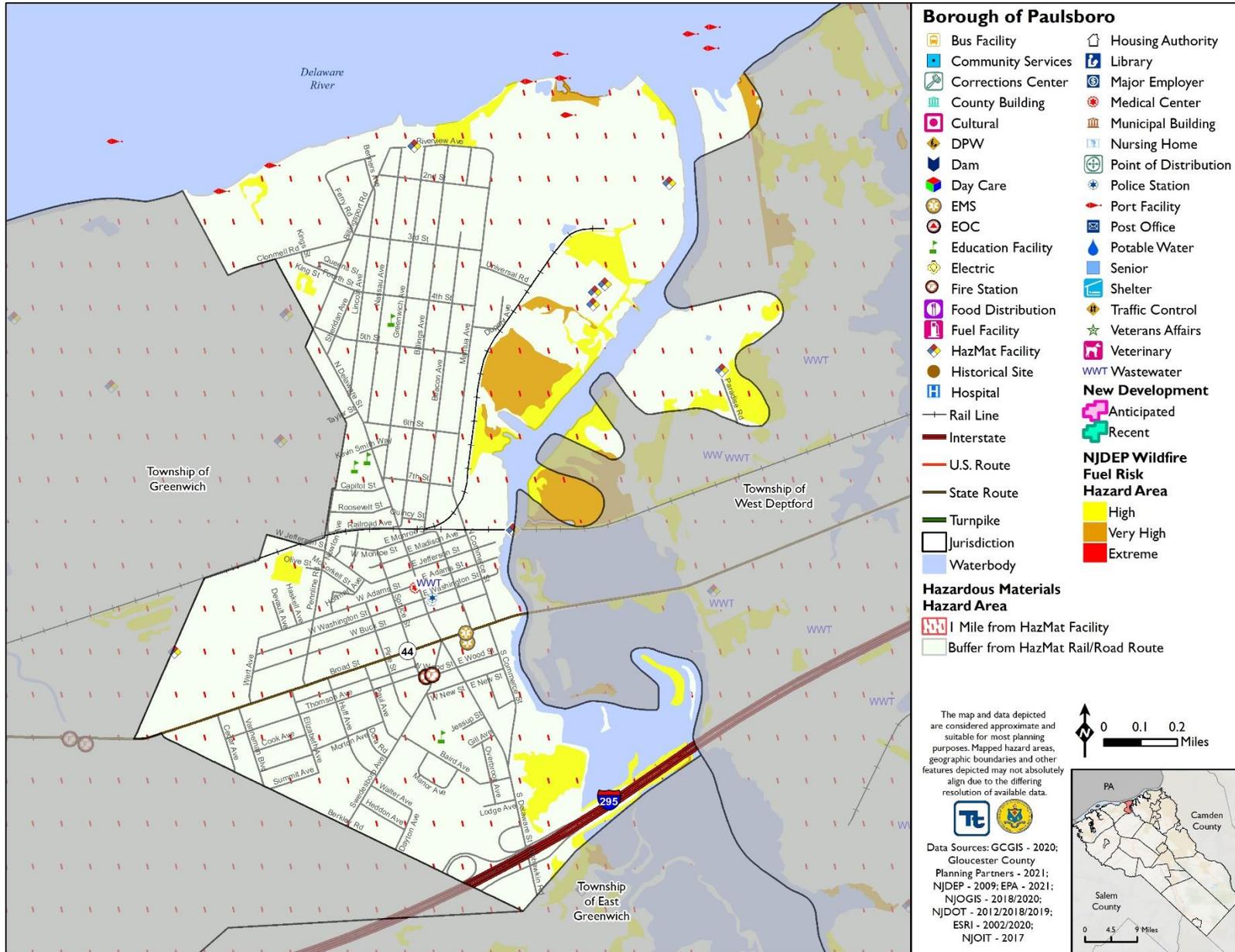




Figure 9.15-4. Borough of Paulsboro Hazard Area Extent and Location Map 4





9.15.6.1 Hazard Event History

Gloucester County has a history of natural hazard events as detailed in Section 5 (Risk Assessment) of this plan. A summary of historical events is provided in each of the hazard profiles and includes a chronology of events that have affected the county and its municipalities.

The Borough of Paulsboro’s history of federal declarations (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Gloucester County. The table below provides details regarding municipal-specific loss and damages the Borough experienced during hazard events since the last hazard mitigation plan update. Information provided in the table below is based on reference material or local sources.

Table 9.15-11. Hazard Event History

Dates of Event	Event Type (Disaster Declaration if applicable)	County Designated?	Summary of Event	Municipal Summary of Damages and Losses
February 15, 2015	Cold/Wind Chill	No	The center of an arctic air mass brought some of the lowest wind chills and temperatures of the winter season to New Jersey. Wind chill factors were recorded as low as 22 degrees below zero, with actual temperatures reaching -2°F.	None
June 23, 2015	Severe Storm (DR-4231-NJ)	Yes	Lightning struck the Paulsboro Refinery in Gibbstown, causing a loss of power and off-gas. Microbursts and wind damages.	Tree loss, but no losses
January 22 – 24, 2016	Severe Winter Storm and Snowstorm (DR-4264-NJ)	Yes	Snow totals in Gloucester County included 21 inches in Deptford, 20.9 inches in Pitman, 17.5 inches in Turnersville, 14.5 inches in Williamstown, and one foot in Mullica Hill.	None
March 6, 2018	Winter Storm	No	Gloucester County was hit with isolated heavy snow, with totals ranging from five inches in Pitman to 6.5 inches in West Deptford.	None
January 20, 2020 – Present	Covid-19 Pandemic (EM-3451-NJ) (DR-4488-NJ)	Yes	Between March 1, 2020 and March 15, 2021, Gloucester County reported 21,065 confirmed cases of COVID-19, and 530 total fatalities.	None

9.15.6.2 Hazard Ranking and Vulnerabilities

The hazard profiles in Section 5.1 (Hazards of Concern) of this plan have detailed information regarding each plan participant’s vulnerability to the identified hazards. The following summarizes the Borough of Paulsboro’s risk assessment results and data used to determine the hazard ranking.

Hazard Ranking

This section provides the community specific identification of the primary hazard concerns based on identified problems, impacts and the results of the risk assessment as presented in Section 5 (Risk Assessment) of the plan. The ranking process involves an assessment of the likelihood of occurrence for each hazard, along with



its potential impacts on people, property, and the economy as well as community capability and changing future climate conditions. This input supports the mitigation action development to target those hazards with highest level of concern.

As discussed in Section 5.3 (Hazard Ranking), each participating jurisdiction can have differing degrees of risk exposure and vulnerability compared with Gloucester County as a whole. The table below summarizes the hazard risk/vulnerability rankings of potential natural hazards for the Borough of Paulsboro. The Borough of Paulsboro reviewed the county hazard risk/vulnerability risk ranking table, including municipal-specific results, to reflect the relative risk of the hazards of concern to the community.

During the review of the hazard/vulnerability risk ranking, the Borough indicated the following:

- The Borough changed the risk of drought from medium to low risk.
- The Borough changed hurricane and severe storm to medium risk, as there is no more risk than other storms.

Table 9.15-12. Hazard Ranking Input

Dam/ Levee	Disease Outbreak	Drought	Earthquake	Extreme Temp	Flood	Geologic
Low	Low	Low	Low	Medium	Low	Low

Haz Mat	Hurricane	Invasive	Nor' Easter	Severe Storm	Severe Winter Storm	Wildfire	Utility Failure
High	Medium	Low	Medium	Medium	Medium	Low	Medium

Note: The scale is based on the hazard rankings established in Section 5.3 (Hazard Ranking) and modified as appropriate during review by the jurisdiction.

Critical Facilities

The table below identifies critical facilities in the community located in the 1-percent and 0.2-percent floodplain and presents Hazus estimates of the damage and loss of use to critical facilities as a result of a 1-percent annual chance flood event.

Table 9.15-13. Potential Flood Losses to Critical Facilities

Name	Type	Lifeline?	Exposure		Comment
			1% Event	0.2% Event	
82-3 BLS16	EMS	Y	Y	Y	EMS is moved to East Greenwich during events. No action required.
Paulsboro Train Derailment	Hazardous Material Facility	Y	Y	Y	High bridge over the creek. Flooding not an issue.



Name	Type	Lifeline?	Exposure		Comment
			1% Event	0.2% Event	
Cpi Operations Llc	Hazardous Material Facility	Y	Y	Y	Citgo has pumping facility to big retention ponds.
Exxonmobil Paulsboro Lube Plant	Hazardous Material Facility	Y	Y	Y	Two big retention ponds. Not in flood plain.
Paulsboro Police Dept	Police Station	Y	Y	Y	2022-Paulsboro-001
Paulsboro, NJ	Port Facility	Y	Y	Y	On the River
Paulsboro Fire Department - Station 17-1	Fire Station	Y	N	Y	Fire officials would move equipment and operations to firehouses in Gibbstown and East Greenwich.
Loudenslager Elementary School	Primary Education	Y	N	Y	School officials would move operations to other

Source: Gloucester County Planning Partners - 2021; HIFLD - 2020; EPA - 2021

9.15.6.3 Identified Issues

After review of the Borough of Paulsboro’s hazard event history, hazard rankings, jurisdiction specific vulnerabilities, hazard area extent and location, and current capabilities, the Borough of Paulsboro has identified the following vulnerabilities within their community:

- None

Specific areas of concern based on resident response to the citizen survey include:

- None

9.15.7 Mitigation Strategy and Prioritization

This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and their prioritization.

9.15.7.1 Past Mitigation Initiative Status

The following table indicates progress on the community’s mitigation strategy identified in the 2017 HMP. Actions that are carried forward as part of this plan update are included in the following subsection in its own table with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and are discussed in the ‘Capability Assessment’ presented previously in this annex.



Table 9.15-14. Status of Previous Mitigation Actions

2017 Action Number and Action Description		Responsible Party	Status (In Progress, No Progress, Ongoing Capability, or Completed)	Include in the 2022 HMP? Check if Yes	Enter 2022 HMP Action #
1	Identify and pursue outreach and education opportunities.	Mayor	Ongoing capability	No	-
2	Prioritize critical facilities and complete site and facility surveys to identify vulnerabilities and potential mitigation measures.	Mayor, OEM, Fire Chief	Ongoing capability	No	-
3	Prioritize recurrent drainage problem areas and initiate data collection to track unreimbursed damages and related response and recovery expenses.	Administration, Engineer	Ongoing capability	No	-
4	Conduct regular Municipal Working Group meetings.	Mayor, Department Head	Ongoing capability	No	-
5	Upgrade backup emergency power generator at Borough Hall and Borough Garage to service Borough administrative, EOC, and police functions located at 1211 North Delaware Road (CF-1, CF-2, and CF-3).	Administration, Engineer	In Progress – Receiving Bids	Yes	2022-Paulsboro-002
6	Install backup emergency power generator at Fire Station facilities located at 1502 Swedesboro Avenue (CF-4).	Fire	Complete	No	-
7	Install backup emergency power generator at Borough Garage located at 300 Baird Avenue (CF-6P).	Administration, Engineer	In Progress – See line 5	Yes	2022-Paulsboro-002
8	Install backup emergency power generator at wastewater pump station located at Broad and Billingsport Road (CF-10).	Administration, Engineer	Complete	No	-
9	Install backup emergency power generator at Paulsboro Senior High (shelter) (CF-11).	School Officials, Engineer	Complete	No	Forwarded FEMA information.



2017 Action Number and Action Description	Responsible Party	Status (In Progress, No Progress, Ongoing Capability, or Completed)	Include in the 2022 HMP?		
			Check if Yes	Enter 2022 HMP Action #	
10	Support installation of backup emergency power generator at Guardian Angels Regional School (shelter) (CF-14).	School Officials, Engineer	Complete	No	Forwarded FEMA information.
11	Install backup emergency power generator at Paulsboro Senior Center (shelter) (CF-15).	Mayor	No progress	No, no longer a priority	
12	Resolve storm drainage problems per engineering report recommendation regarding Huff, Thompson, and Paul Avenues to increase storm drain line diameters and manholes.	Engineer	Complete	No	
13	Resolve storm drainage problems per engineering report regarding 500 Block of Delaware Street.	Engineer	Complete	No	
14	Address identified Repetitive Flood Loss Properties	Engineer	Ongoing	No. In litigation with RL property owner, but not Borough's jurisdiction.	



9.15.7.2 Completed Mitigation Initiatives Not Identified in the Previous Mitigation Strategy

The Borough of Paulsboro has identified the following mitigation projects/activities that have also been completed but were not identified in the previous mitigation strategy in the 2017 HMP:

- None

9.15.7.3 Proposed Hazard Mitigation Initiatives for the HMP Update

The Borough of Paulsboro was invited to participate in a mitigation action workshop in May 2021 and was provided the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 ‘Selecting Appropriate Mitigation Measures for Floodprone Structures’ (March 2007) and FEMA ‘Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards’ (January 2013).

The table below indicates the range of proposed mitigation action categories.

Table 9.15-15. Analysis of Mitigation Actions by Hazard and Category

Hazard	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Dam Failure/Levee Failure	X				X					
Disease Outbreak/Pandemic	X				X					
Drought	X				X					
Earthquake	X				X					
Extreme Temperatures	X				X					
Flood	X	X			X	X				X
Geological Hazards	X				X					
Hazmat	X				X					
Hurricane	X				X					
Invasive Species/Harmful Algal Bloom	X				X					
Nor’Easter	X	X			X	X				X
Severe Storm	X	X			X	X				X
Severe Winter Storm	X	X			X	X				X
Wildfire	X				X					
Utility Failure	X				X					

Note: Section 6 (Mitigation Strategy) provides for an explanation of the mitigation categories.

The table below (Table 9.15-16) summarizes the comprehensive range of specific mitigation initiatives the Borough of Paulsboro would like to pursue in the future to reduce the effects of hazards. Some of these initiatives may be previous actions carried forward for this plan update. These initiatives are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.



As discussed in Section 6 (Mitigation Strategy), 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing your actions as 'High', 'Medium', or 'Low.' The table below summarizes the evaluation of each mitigation initiative, listed by Action Number.

Table 9.15-17 provides a summary of the prioritization of all proposed mitigation initiatives for the HMP update.

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Table 9.15-16. Proposed Hazard Mitigation Initiatives and Associated Priority

Project Number	Mitigation Initiative Name	Description of Problem and Solution	New or Existing Assets?	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Timeline	Priority	Mitigation Category	CRS Category
2022-Paulsboro-001	New Administration Building	Problem: Current Administration Building is in the flood plain and has severe mold in the Police Station, which is located on the bottom floor of the facility. Solution: Building a new Borough Hall Administration Building	New	Flood, Severe Summer Weather Severe Winter Weather	1, 2, 6	Long	Administration, Engineering	BRIC, HMA	High	\$15M	2022 Plans, 2023 Construction	High	SIP	PP, ES
2022-Paulsboro-002	Administration Building and Garage Backup Generators	Problem: The Borough Hall and Borough Garage require backup power to operate during outages. Solution: Upgrade backup emergency power generator at Borough Hall and Borough Garage to service Borough administrative, EOC, and police functions located at 1211 North Delaware Road and incorporate into new building designs.	New	High Wind Severe Summer Weather Severe Winter Weather	1, 6	Medium	Administration, Engineering	BRIC, HMA	High	High	Long	High	SIP	PR, PP, ES



Project Number	Mitigation Initiative Name	Description of Problem and Solution	New or Existing Assets?	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Timeline	Priority	Mitigation Category	CRS Category
2022-Paulsboro-003	Flood Damage Prevention Ordinance	Problem: The Borough's FDPO is not updated to include the regulation requirements. Solution: Update the FDPO to include the most recent reg update to include BFE+2..	Existing	Flood	4	Short	Administration	Municipal Budget	High	Low	Short	Medium	LPR	PR
2022-Paulsboro-004	Debris Management Plan	Problem: The municipality does not have a disaster debris management plan. Solution: The municipality would need to develop a disaster debris management plan to facilitate the cleanup process post disaster. This plan can be developed by the municipality and does not require external assistance, however, coordination with neighboring municipalities and stakeholders may be necessary.	New	All	All	2 years	Administration	Municipal Budget	High	Low	1 year once funding secured	High	LPR	PR



Project Number	Mitigation Initiative Name	Description of Problem and Solution	New or Existing Assets?	Hazard(s) to be Mitigated	Goals Met	Estimated Timeline	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Costs	Timeline	Priority	Mitigation Category	CRS Category
2022-Paulsboro-005	Stormwater Website	Problem: Stormwater Management Ordinance and Plans are not on the website, as required by the NJ DEP Tier A stormwater permit. Solution: Create Stormwater Webpage and add ordinance and plans.	Existing	Flood, Severe Summer Weather Severe Winter Weather	3, 5	Short	Administration	Municipal Budget	Medium	Low	Short	High	LPR	PR

Notes:

Not all acronyms and abbreviations defined below are included in the table.

Acronyms and Abbreviations:

CAV	Community Assistance Visit
CRS	Community Rating System
DPW	Department of Public Works
EHP	Environmental Planning and Historic Preservation
FEMA	Federal Emergency Management Agency
FPA	Floodplain Administrator
HMA	Hazard Mitigation Assistance
N/A	Not applicable
NFIP	National Flood Insurance Program
OEM	Office of Emergency Management

Potential FEMA HMA Funding Sources:

FMA	Flood Mitigation Assistance Grant Program
HMGP	Hazard Mitigation Grant Program
BRIC	Building Resilient Infrastructure and Communities Program

Timeline:

The time required for completion of the project upon implementation

Cost:

The estimated cost for implementation.

Benefits:

A description of the estimated benefits, either quantitative and/or qualitative.

Mitigation Category:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.



- *Structure and Infrastructure Project (SIP)* - These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- *Natural Systems Protection (NSP)* – These are actions that minimize damage and losses, and also preserve or restore the functions of natural systems.
- *Education and Awareness Programs (EAP)* – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

CRS Category:

- *Preventative Measures (PR)* - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- *Property Protection (PP)* - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.
- *Public Information (PI)* - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.
- *Natural Resource Protection (NR)* - Actions that minimize hazard loss and also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.
- *Structural Flood Control Projects (SP)* - Actions that involve the construction of structures to reduce the impact of a hazard. Such structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.
- *Emergency Services (ES)* - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities.

Table 9.15-17. Summary Evaluation and Action Priority

Project Number	Project Name	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
2022-Paulsboro-001	New Administration Building	1	1	1	1	1	1	1	0	1	1	1	1	1	1	13	High ⚠️
2022-Paulsboro-002	Administration Building and Garage Backup Generators	1	1	1	1	1	1	1	0	1	1	1	1	0	1	12	High ⚠️
2022-Paulsboro-003	Flood Damage Prevention Ordinance	0	1	1	1	0	1	1	0	1	1	1	0	0	0	8	Medium
2022-Paulsboro-004	Debris Management Plan	1	1	1	1	1	1	1	1	1	1	1	1	0	1	13	High



Project Number	Project Name	Life Safety	Property Protection	Cost-Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
2022-Paulsboro-005	Stormwater Website	1	1	1	1	1	1	1	1	1	1	1	1	0	1	13	High

Note: Section 6 (Mitigation Strategy), which conveys guidance on prioritizing mitigation actions.

Low (0-4), Medium (5-8), High (9-14).

▲ This action has been identified as being of highest importance to the municipality and an action that the municipality would like to complete as soon as funding is received.

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9.15.8 Action Worksheets

The following action worksheets have been developed by the Borough of Paulsboro to aid in the submittal of grant applications to support the funding of high priority proposed actions. The State of New Jersey requires at least two projects be developed with action worksheets.

Action Worksheet			
Project Name:	New Administration Building		
Project Number:	2022 Paulsboro-001		
Risk / Vulnerability			
Hazard(s) of Concern:	Flood		
Description of the Problem:	Problem: The current administration building is in the flood plain and has severe mold in the Police Station, which is located on the bottom floor of the facility.		
Action or Project Intended for Implementation			
Description of the Solution:	Solution: The Borough is building a new Borough Hall Administration Building. The project is in the planning phase, with plans expected in 2022 and construction in 2023.		
Is this project related to a Critical Facility?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Level of Protection:	500 year storm	Estimated Benefits (losses avoided):	Flooding Prevention
Useful Life:		Goals Met:	
Estimated Cost:	\$15M	Mitigation Action Type:	Structural and Infrastructure Project
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	1 year once funding secured
Estimated Time Required for Project Implementation:	1.5 years	Potential Funding Sources:	BRIC, HMA
Responsible Organization:	Administration, Engineering	Local Planning Mechanisms to be Used in Implementation if any:	Hazard Mitigation
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Problem continues.
	Abandon the police station only	High	Infeasible
	Reconstruct building	High	Feasible
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			



Evaluation and Prioritization		
Project Name:	New Administration Building	
Project Number:	2022 Paulsboro-001	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	This project protects life
Property Protection	1	This project protects property
Cost-Effectiveness	1	This project is most cost effective
Technical	1	There are no technical issues
Political	1	There are no political issues
Legal	1	There are no legal complications
Fiscal	1	Additional Funding is needed
Environmental	0	-
Social	1	Has positive impact on society
Administrative	1	No administrative issues
Multi-Hazard	1	This addresses multiple hazards
Timeline	1	The timeline is feasible
Agency Champion	1	Administration and Police Department
Other Community Objectives	1	Would serve community in many purposes.
Total	13	
Priority (High/Med/Low)	High	



Action Worksheet			
Project Name:	Administration Building and Garage Backup Generators		
Project Number:	2022 Paulsboro-002		
Risk / Vulnerability			
Hazard(s) of Concern:	Flood, Hurricane Severe Storm		
Description of the Problem:	Problem: The Borough Hall and Borough Garage require backup power to operate during outages.		
Action or Project Intended for Implementation			
Description of the Solution:	Solution: Upgrade backup emergency power generator at Borough Hall and Borough Garage to service Borough administrative, EOC, and police functions located at 1211 North Delaware Road and incorporate into new building designs.		
Is this project related to a Critical Facility?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Level of Protection:	500-year storm	Estimated Benefits (losses avoided):	Sewerage backup prevention
Useful Life:		Goals Met:	
Estimated Cost:	Medium	Mitigation Action Type:	Structural and Infrastructure Project
Plan for Implementation			
Prioritization:	High	Desired Timeframe for Implementation:	1 year once funding secured
Estimated Time Required for Project Implementation:	1.5 years	Potential Funding Sources:	BRIC, HMA
Responsible Organization:	Administration, Engineering	Local Planning Mechanisms to be Used in Implementation if any:	Hazard Mitigation
Three Alternatives Considered (including No Action)			
Alternatives:	Action	Estimated Cost	Evaluation
	No Action	\$0	Problem continues.
	Install solar panels	High	Infeasible
	Install backup generator	Medium	Feasible
Progress Report (for plan maintenance)			
Date of Status Report:			
Report of Progress:			
Update Evaluation of the Problem and/or Solution:			



Evaluation and Prioritization		
Project Name:	Administration Building and Garage Backup Generators	
Project Number:	2022 Paulsboro-002	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	This project protects life
Property Protection	1	This project protects property
Cost-Effectiveness	1	This project is most cost effective
Technical	1	There are no technical issues
Political	1	There are no political issues
Legal	1	There are no legal complications
Fiscal	1	Additional Funding is needed
Environmental	0	-
Social	1	Has positive impact on society
Administrative	1	No administrative issues
Multi-Hazard	1	This addresses multiple hazards
Timeline	1	This can occur in a relatively short period.
Agency Champion	0	-
Other Community Objectives	1	Prevents sewer backups
Total	12	
Priority (High/Med/Low)	High	