



1.0 BOROUGH OF POMPTON LAKES

This jurisdictional annex to the Passaic County Hazard Mitigation Plan (HMP) provides information to assist public and private sectors in the Borough of Pompton Lakes with reducing losses from future hazard events. This annex is not guidance of what to do when a disaster occurs; its focus is on actions that can be implemented prior to a disaster to reduce or eliminate damage to property and people. The annex presents a general overview of Pompton Lakes, describes who participated in the planning process, assesses Pompton Lakes’s risk, vulnerability, and capabilities, and outlines a strategy for achieving a more resilient community.

1.1 HAZARD MITIGATION PLANNING TEAM

The Borough of Pompton Lakes identified primary and alternate HMP points of contact and developed this plan over the course of several months, with input from many Borough departments. The Office of Emergency Management Coordinator represented the community on the Passaic County HMP Planning Partnership and Steering Committee and supported the local planning process 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.

Table 2-1 summarizes Borough officials who participated in the development of the annex and in what capacity. Additional documentation of the Borough’s planning activities through Planning Partnership meetings is included in Volume I.

Table 2-1. Hazard Mitigation Planning Team

Primary Point of Contact	Alternate Point of Contact
Name/Title: Albert Evangelista, OEM Coordinator Address: 25 Lenox Avenue, Pompton Lakes, NJ 07442 Phone Number: (973) 583-2879 Email: oem@pomptonlakes-nj.gov	Name/Title: Michael Carelli, Administrator Address: 25 Lenox Avenue, Pompton Lakes, NJ 07442 Phone Number: (862) 377-8612 Email: administrator@pomptonlakes-nj.gov
National Flood Insurance Program Floodplain Administrator	
Name/Title: Sal Poli, Construction and Zoning Official Address: 25 Lenox Avenue, Pompton Lakes, NJ 07442 Phone Number: 973-835-0143, ext. 224 Email: construction@pomptonlakes-nj.gov	
Additional Contributors	
Name/Title: Sal Poli, Construction and Zoning Official Method of Participation: Provided key information in completing necessary worksheets	
Name/Title: Carmelina Fusaro, Planning and Zoning Secretary Method of Participation: Provided key information in completing necessary worksheets	
Name/Title: Albert Evangelista, OEM Coordinator Method of Participation: Participated in Planning Partnership and Steering Committee; Attended Steering Committee Kickoff, Planning Partnership Kickoff, and Risk Assessment/Mitigation Strategy Workshop; Provided key information on hazard history, capabilities, NFIP program, building permits, new development, mitigation action status updates, and critical facilities.	
Name/Title: Anthony J. Rodriguez, Police Department Method of Participation: Attended Planning Partnership Kickoff.	



Primary Point of Contact	Alternate Point of Contact
Name/Title: Daniel Cottrell, OEM Method of Participation: Attended Planning Partnership Kickoff.	
Name/Title: Derek Clark, Police Department Method of Participation: Attended Planning Partnership Kickoff.	
Name/Title: Elizabeth Brandsness, Borough Clerk Method of Participation: Attended Planning Partnership Kickoff.	
Name/Title: Michael Carelli, Administrator Method of Participation: Attended Planning Partnership Kickoff.	
Name/Title: Maria Kent, Borough Councilperson Method of Participation: Attended Planning Partnership Kickoff.	

1.2 COMMUNITY PROFILE

1.2.1 Brief History

The area now known as Pompton Lakes was originally purchased in 1695 and settled in 1697. In the early 1700s, the construction of the Pompton Furnace began; the Furnace would become an important supplier for ammunition during the French-Indian War, the Revolutionary War and the War of 1812. During the Industrial Revolution, it would expand and become a large steelworks plant. Incorporated in 1895, the Borough’s industrial past would drive its suburban and commercial land use (Borough of Pompton Lakes 2017).

1.2.2 Location

According to the U.S. Census Bureau, the Borough has a total land area of 3.191 square miles, of which 2.913 square miles is land and 0.278 square miles is water. Its eastern edge abuts Pompton Lake and is bordered by the Boroughs of Bloomingdale and Wanaque to the northwest and Morris County to the south.

1.2.3 Governing Body Format

Pompton Lakes is governed by a six-member Borough Council and a Mayor. The Borough Council is elected at large, and each member serves a three-year term.

1.2.4 Population and Social Vulnerability

According to the U.S. Census, the 2020 population for Pompton Lakes was 11,127, a 0.3 percent increase from the 2010 Census.

Research has shown that some populations are at greater risk from hazard events because of decreased resources or physical abilities. These populations can be more susceptible to hazard events based on a number of factors including their physical and financial ability to react or respond during a hazard, and the location and construction quality of their housing. Data from the 2020 U.S. Census indicates that 5.1 percent of the population is 5 years of age or younger, 16 percent is 65 years of age or older, 2.1 percent is non-English speaking, 8.7 percent is below the poverty threshold, and 7.2 percent is considered disabled.



ALICE in Passaic County

ALICE is an acronym for Asset Limited, Income Constrained, Employed – households that earn more than the Federal Poverty Level, but less than the basic cost of living for the County. While conditions have improved for some households, many continue to struggle, especially as wages fail to keep pace with the rising cost of household essentials (housing, childcare, food, transportation, health care, and a basic smartphone plan). Households below the ALICE Threshold – ALICE households plus those in poverty – can't afford the essentials.

According to 2021 Point-in-Time-Data from ALICE, 32% of the 177,063 households in Passaic County are ALICE households (compared to the state average of 26%). The median household income in Passaic is \$75,430, and the County sees a labor force participation rate of 66%. Passaic County faces low household income compared to the state average of \$89,296 and is on par with the state average of 66% for labor force participation rates. 15% of Passaic households live in poverty, which exceeds the state average of 10%.

1.3 JURISDICTIONAL CAPABILITY ASSESSMENT AND INTEGRATION

Pompton Lakes performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Volume I describes the components included in the capability assessment and their significance for hazard mitigation planning. The jurisdictional assessment for this annex includes analyses of the following:

- Planning and regulatory capabilities
- Development and permitting capabilities
- Administrative and technical capabilities
- Fiscal capabilities
- Education and outreach capabilities
- Classification under various community mitigation programs
- Adaptive capacity to withstand hazard events

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into day-to-day local government operations. As part of the hazard mitigation analysis, planning and /policy documents were reviewed and each jurisdiction was surveyed to obtain a better understanding of their progress toward plan integration. Development of an updated mitigation strategy provided an opportunity for Pompton Lakes to identify opportunities for integrating mitigation concepts into ongoing Borough procedures.

1.3.1 Planning and Regulatory Capability and Integration

Table 2-2 summarizes the planning and regulatory tools that are available to Pompton Lakes.



Table 2-2. Planning and Regulatory Capability and Integration

	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
CODES, ORDINANCES, & REGULATIONS				
Building Code	Yes	NJAC 5:23-3.14. International Building Code – New Jersey Edition, 2018 NJAC 5:24-3.14. Chapter 19 – Building and Construction	State and Local	Construction Department
How has or will this be integrated with the HMP and how does this reduce risk? Permits to the fullest extent feasible the use of modern technical methods, devices and improvements, including premanufactured systems, consistent with reasonable requirements for the health, safety and welfare of occupants or users of buildings and structures.				
Zoning/Land Use Code	Yes	Chapter 190 – Zoning and Land Use Regulations, 2019	Local	Planning and Zoning
How has or will this be integrated with the HMP and how does this reduce risk? The purpose of this chapter is to provide rules, regulations and standards to guide land development in the Borough of Pompton Lakes in order to promote the public health, safety 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 accordance with the purposes of the Municipal Land Use Law (N.J.S.A. 40:55D-2). The ordinance includes an article (Article VII) for subdivision and site plan review and Well head protection areas (Article X).				
Subdivision Code	Yes	Chapter 190, Article VII – Subdivision and Site Plan Review	Local	Zoning Department
How has or will this be integrated with the HMP and how does this reduce risk? Prior to the subdivision or re-subdivision of land and prior to the issuance of a building permit or certificate of occupancy or continued occupancy of any development for which site plan approval is required, an application for subdivision or site plan, as the case may be, shall be submitted to and approved by the Planning Board (or the Zoning Board if permitted by the Municipal Land Use Law and/or Redevelopment Ordinance of the Borough).				
Site Plan Code	Yes	Chapter 190 – Site Plan Review	Local	Zoning Department
How has or will this be integrated with the HMP and how does this reduce risk? Site plan approval shall be required for any new building, any addition to an existing building, any change in use of an existing building, any off-street parking area or alteration of said parking and any other improvement involving land disturbance, including excavation, soil removal, land filling or site clearance.				
Stormwater Management Code	Yes	Chapter 190, Article 31 – Stormwater Control	Local	DPW
How has or will this be integrated with the HMP and how does this reduce risk? Establishes minimum stormwater management requirements and controls for major developments. Any development needs to incorporate a maintenance plan for the stormwater management measures incorporated into the design of a major development. The actions in the ordinance limit soil erosion, encourages non-structural controls, encourages recharge, and improves stormwater quality and reduce quantity.				
Post-Disaster Recovery/ Reconstruction Code	Yes	Chapter 19 – Building and Construction	Local	Construction Department
How has or will this be integrated with the HMP and how does this reduce risk? The Construction code ordinance notes that substantial damages result in higher standards for reconstruction.				



	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
Real Estate Disclosure Requirements	Yes	Senate Bill 3110; P. L. 2023, c. 93, July 3, 2023	State	Sellers and Landlords of commercial or residential property

How has or will this be integrated with the HMP and how does this reduce risk?

For leases, the law amends the New Jersey Truth-in-Renting Act, N.J.S.A. 46:8-43 et seq., to require every landlord to notify in writing each of the landlord’s tenants, prior to lease signing or renewal, whether the property is located in the Federal Emergency Management Agency (FEMA) Special Flood Hazard Area (“100-year floodplain”) or Moderate Risk Flood Hazard Area (“500-year floodplain”) and if the landlord has actual knowledge that the rental premises or any portion of the parking areas of the real property containing the rental premises has been subjected to flooding. The law does not apply to (1) landlords who lease commercial space or residential dwellings for less than one month, (2) residential dwellings in a premises containing not more than two units, (3) owner-occupied premises containing not more than three units, or (4) hotels, motels, or other guest houses serving transient or seasonal guests for a period of less than 120 days.

The model notice is to contain the heading “Flood Risk” and questions for the landlord to answer regarding the landlord’s actual knowledge of past flooding of the property. The questions regarding the property being in a FEMA Special or Moderate Risk Flood Hazard Area shall not contain the option for “unknown.” To determine how the questions are to be answered, FEMA’s current flood insurance rate maps for the leased premises area must be consulted. The landlord will be required to answer whether the rental premises or any portions of the parking areas of the real property containing the rental premises ever experienced any flood damage, water seepage, or pooled water due to a natural flood event and, if so, the number of times that has occurred.

The notice to residential tenants must also indicate that flood insurance may be available to renters through FEMA’s National Flood Insurance Program to cover their personal property and contents in the event of a flood and that standard renter’s insurance does not typically cover flood damage.

For sales, the law also amends the New Jersey Consumer Fraud Act, N.J.S.A. 56:8-1 et seq., to require sellers of real property to disclose, on the property condition disclosure statement, whether the property is located in the FEMA Special or Moderate Risk Flood Hazard Area and any actual knowledge of the seller concerning flood risks of the property to the purchaser before the purchaser becomes obligated under any contract for the purchase of the property.

The disclosure statement must contain the heading “Flood Risk” and ask the seller the following questions:

- Is any or all of the property in the Special Flood Hazard Area (“100-year floodplain”) or a Moderate Risk Flood Hazard Area (“500-year floodplain”) according to FEMA’s current flood insurance rate maps?
- Is the property subject to any requirement under federal law to obtain and maintain flood insurance on the property? Properties in the Special Flood Hazard Area with mortgages from federally regulated or insured lenders are required to obtain and maintain flood insurance.
- Have you ever received assistance from, or are you aware of any previous owners receiving assistance from FEMA, the U.S. Small Business Administration, or any other federal disaster flood assistance for flood damage on the property? For properties that have received flood disaster assistance, the requirement to obtain flood insurance passes down to all future owners.
- Is there flood insurance on the property? A standard homeowner’s insurance policy typically does not cover flood damage.
- Is there a FEMA elevation certificate available for the property? If so, it must be shared with the buyer. An elevation certificate is a FEMA form, completed by a licensed surveyor or engineer, that provides critical information about the flood risk of the property and is used by flood insurance providers to determine the appropriate insurance rating for the property.
- Have you ever filed a claim for flood damage to the property with any insurance provider? If the claim was approved, what was the amount received?
- Has the property experienced any flood damage, water seepage, or pooled water due to a natural flood event, such as heavy rainfall, coastal storm surge, tidal inundation, or river overflow? If so, how many times?

This law went into effect in March 2024 during the planning process of this plan update.



	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
Growth Management	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk?				
Environmental Protection Ordinance(s)	Yes	Chapter 9 – Environmental Regulations Chapter 190, Article 39 – Environmental Sustainability Standards	Local	Zoning Department
How has or will this be integrated with the HMP and how does this reduce risk? For the purpose of controlling and reducing atmospheric pollution, it is hereby declared to be the policy of the Borough to minimize air pollution, as herein defined, and prohibit excessive emission of the same, to establish standards governing the installation, maintenance and operation of equipment and appurtenances relating to combustion which are a source of air pollution and, in furtherance of this purpose, to cooperate and coordinate these efforts with the State Department of Environmental Protection, Bureau of Air Pollution Control.				
Flood Damage Prevention Ordinance	Yes	Chapter 16 – Flood Damage Prevention	Local	Construction Official
How has or will this be integrated with the HMP and how does this reduce risk? 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: A. To protect human life and health; B. To minimize expenditure of public money for costly flood control projects; C. To minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public; D. To minimize prolonged business interruptions; E. To 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. To help maintain a stable tax base by providing for the sound use and development of areas of special flood hazard so as to minimize future flood blight areas; G. To ensure that potential buyers are notified that property is in an area of special flood hazard; and H. To ensure that those who occupy the areas of special flood hazard assume responsibility for their actions. The ordinance does not conform with not NJDEP’s model code coordinated ordinance and will require update.				
Wellhead Protection	Yes	Chapter 190, Article 10 – Wellhead Protection Areas	Local	Board of Health
How has or will this be integrated with the HMP and how does this reduce risk? To protect the public health, safety, and welfare through the protection of the groundwater resources underlying the municipality to ensure a supply of safe and healthful drinking water for the present and future generations of local residents, employees and the general public in this municipality, as well as users of these water supplies outside this municipality.				
Emergency Management Ordinance	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? N/A				
Climate Change Ordinance	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? N/A				
Other	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? N/A				



	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
PLANNING DOCUMENTS				
General/Comprehensive Plan	Yes	Borough of Pompton Lakes Master Plan Reexamination, 2017	State, County and Local	Planning Board
<p>How has or will this be integrated with the HMP and how does this reduce risk? The plan identifies the following mitigation related goals:</p> <ul style="list-style-type: none"> • Preserve open space to protect critical environmental resources, such as wetlands, floodplains, ridge lines, steep slopes, and stream and river corridors. • Protect and preserve water resources and watershed lands for purposes of drinking water supply, flood control, and recreation. 				
Capital Improvement Plan	No	-	-	-
<p>How has or will this be integrated with the HMP and how does this reduce risk? Capital improvements are identified in the annual budget which is adopted yearly. The budget includes funding for mitigation and is administered by the Mayor and Council. Through its plan, the Borough has allocated over \$100 million to address river flooding through bank stabilization efforts. In 2024, the Borough identified a riverbank for flood damage repairs that is not covered by FEMA or NJDEP jurisdiction, and the Borough will have to pay for this project itself.</p>				
Disaster Debris Management Plan	No	-	-	-
<p>How has or will this be integrated with the HMP and how does this reduce risk? N/A</p>				
Floodplain Management or Watershed Plan	Yes	2020 Passaic County Hazard Mitigation Plan	Local	OEM
<p>How has or will this be integrated with the HMP and how does this reduce risk? The Borough receives CRS credit for Activity 510 (Floodplain Management) for the County HMP and its jurisdictional annex.</p>				
Stormwater Management Plan	Yes	Stormwater Management Plan For The Borough of Pompton Lakes Passaic County, NJ	State and Local	Stormwater Management Committee
<p>How has or will this be integrated with the HMP and how does this reduce risk? The Stormwater Management Plan was adopted in 2002 through Ordinance 06-02 and is administered by the Mayor and Council. The Plan documents the strategy for the Borough to address stormwater-related impacts including groundwater recharge, stormwater quantity, and stormwater quality by incorporating stormwater design and performance standards for new major development, defined as projects that disturb one or more acre of land.</p>				
Stormwater Pollution Prevention Plan	Yes	Stormwater Pollution Prevention Plan (SWPPP)	State and Local	Stormwater Management Committee
<p>How has or will this be integrated with the HMP and how does this reduce risk? Outlines a comprehensive strategy for stormwater management based on widespread application of low impact development and green stormwater infrastructure.</p>				
Open Space Plan	Yes	Open Space and Recreation Plan, 2012	Local	Open Space Committee
<p>How has or will this be integrated with the HMP and how does this reduce risk? Defines the sustainable use, development, and maintenance of open space within the Borough. The plan includes valuable information including the Natural Resources Inventory. The Open Space and Recreation Plan became part of the Borough's Master Plan shortly after it was published. The Plan also helped to create the Environmental Protection Committee.</p>				



	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
Urban Water Management Plan How has or will this be integrated with the HMP and how does this reduce risk? N/A	No	-	-	-
Habitat Conservation Plan How has or will this be integrated with the HMP and how does this reduce risk? N/A	No	-	-	-
Economic Development Plan How has or will this be integrated with the HMP and how does this reduce risk? N/A	No	-	-	-
Community Wildfire Protection Plan How has or will this be integrated with the HMP and how does this reduce risk? N/A	No	-	-	-
Community Forest Management Plan How has or will this be integrated with the HMP and how does this reduce risk? The Pompton Lakes Shade Tree Committee, along with other committees, have worked hard to develop a Community Forestry Plan and Tree Cover Goal. Each year the Shade Tree Committee revisits the plan to verify all information and make any adjustments. The committee also resubmits information for the town's Accreditation Report. The Plan has been updated since last update.	Yes	Community Forestry Management Plan, 2015 (annual accomplishment reports are also completed)	Local	Pompton Lakes Shade Tree Committee
Transportation Plan How has or will this be integrated with the HMP and how does this reduce risk? Provides an analysis of transit demand and explore the scale and types of potential transit services that would support the short-, medium-, and long-term development needs in the Pompton Lakes Downtown Redevelopment Area.	Yes	Pompton Lakes Transit Access Study	Local	Planning Board
Agriculture Plan How has or will this be integrated with the HMP and how does this reduce risk? N/A	No	-	-	-
Climate Action/ Resilience/Sustainability Plan How has or will this be integrated with the HMP and how does this reduce risk? N/A	No	-	-	-
Tourism Plan How has or will this be integrated with the HMP and how does this reduce risk? N/A	No	-	-	-
Business/ Downtown Development Plan How has or will this be integrated with the HMP and how does this reduce risk? N/A	No	-	-	-
Other How has or will this be integrated with the HMP and how does this reduce risk? N/A	No	-	-	-



	Jurisdiction has this? (Yes/No)	Citation and Date (code chapter or name of plan, date of enactment or plan adoption)	Authority (local, county, state, federal)	Responsible Person, Department or Agency
RESPONSE/RECOVERY PLANNING				
Emergency Operations Plan	Yes	Borough of Pompton Lakes Emergency Operations Plan, 2021	Local	OEM
How has or will this be integrated with the HMP and how does this reduce risk? The Emergency Operating Plan (EOP) contains annexes for each borough department delineating what their responsibilities are in the event of an emergency or disaster. Where Borough departments cannot provide specific support services, outside agencies, such as the American Red Cross and Salvation Army, are contracted through verbal and written agreements to provide the service needed.				
The Emergency Operating Plan is reviewed and approved every two years by the New Jersey State Office of Emergency Management. Annexes in the plan must be tested annually through functional, tabletop, and full-scale exercises.				
Continuity of Operations Plan	Yes	Borough of Pompton Lakes Emergency Operations Plan, 2021	Local	OEM
How has or will this be integrated with the HMP and how does this reduce risk?				
Substantial Damage Response Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? N/A				
Threat and Hazard Identification and Risk Assessment	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? N/A				
Post-Disaster Recovery Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? N/A				
Public Health Plan	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? N/A				
Other	No	-	-	-
How has or will this be integrated with the HMP and how does this reduce risk? N/A				

1.3.2 Development and Permitting Capability

Table 2-3 summarizes the capabilities of Pompton Lakes to oversee and track development.



Table 2-3. Development and Permitting Capability

	Yes/No	Comment
Do you issue development permits? <ul style="list-style-type: none"> If you issue development permits, what department is responsible? If you do not issue development permits, what is your process for tracking new development? 	Yes	Building Permits, Building and Construction Office
Are permits tracked by hazard area? (For example, floodplain development permits.)	Yes	GIS tracks permits in hazard area
Do you have a buildable land inventory? <ul style="list-style-type: none"> If you have a buildable land inventory, please describe 	Yes	Vacant lands inventory
Describe the level of buildout in your jurisdiction.	N/A	More than half built out, with large areas of open space and forests to the north surrounding the Wanaque River and the east along Pompton Lake.

1.3.3 Administrative and Technical Capability

Table 2-4 summarizes potential staff and personnel resources available to Pompton Lakes and their current responsibilities that contribute to hazard mitigation.

Table 2-4. Administrative and Technical Capabilities

Resources	Available? (Yes/No)	Comment (available staff, responsibilities, support of hazard mitigation)
ADMINISTRATIVE CAPABILITY		
Planning Board	Yes	The Planning Board reviews and acts on site plan and subdivision applications. The Planning Board has the authority to prepare, adopt and amend or revise the Borough's Master Plan. Land use planning is a mechanism for governments to provide compatible uses of land for residents and businesses that preserve the character of a community.
Zoning Board of Adjustment	Yes	The Zoning Board of Adjustment consists of seven members and four alternate members who are responsible for determining whether relief in the form of a variance can be granted.
Planning Department	No	-
Mitigation Planning Committee	Yes	The Flood Advisory Board assists Pompton Lakes' Municipal government on flood-related matters and pursues means of mitigating flooding within the Borough.
Environmental Board/Commission	Yes	The Pompton Lakes Environmental Protection Committee strives to promote the awareness and importance of the protection and preservation of wildlife habitats, wetlands, and recreation and conservation resources. The Commission hosts an annual river cleanup with improves flood mitigation and cleans the natural environment.
Open Space Board/Committee	Yes	Open Space Committee



Resources	Available? (Yes/No)	Comment (available staff, responsibilities, support of hazard mitigation)
Economic Development Commission/Committee	Yes	The Pompton Lakes Business Improvement District's mission is to create a "place of destination" and a "Highlands Gateway" with a warm, clean, safe neighborhood environment for people to shop, dine and stroll in Pompton Lakes. We aim to provide a sense of community that contributes to attract local support, as well as create a destination business district that insures economic growth to existing businesses and the town.
Public Works/Highway Department	Yes	Public Works conducts street sweeping operations.
Construction/Building/Code Enforcement Department	Yes	Construction Department
Emergency Management/Public Safety Department	Yes	<p>The Borough's Emergency Operating Center (EOC) is located adjacent to the police communications center in the municipal building. In times of crisis, all members of the Local Emergency Planning Committee (LEPC) respond to Borough Hall and meet to address the emergency. The LEPC meets twice a year, and more often if necessary.</p> <p>The OEM Coordinator works closely with the Flood Advisory Board and Non Governmental Organizations (NGO) and to provide the support that is needed to be effective in all phases.</p>
Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)	Yes	Shade Tree Commission – Interlocal Agreement Storm Drain Cleaning. Passaic County conducts street sweeping on Wanaque Avenue.
Mutual aid agreements	Yes	Police, Fire, and First Aid, interlocal agreement with Borough of Ringwood for storm drain cleaning, Borough of Bloomingdale for street sweeping
Human Resources Manual - Do any job descriptions specifically include identifying or implementing mitigation projects or other efforts to reduce natural hazard risk?	No	-
Other	Yes	Pompton Lakes Shade Tree Committee, along with other committees, have worked hard to develop a Community Forestry Plan and Tree Cover Goal. Each year the Shade Tree Committee revisits the plan to verify all information and make any adjustments. The committee also resubmits information for the town's Accreditation Report.
TECHNICAL/STAFFING CAPABILITY		
Planners or engineers with knowledge of land development and land management practices	Yes	H2M Engineer Associates, Inc. and Ferriero Engineering, Inc.
Engineers or professionals trained in building or infrastructure construction practices	Yes	H2M Engineer Associates, Inc. and Ferriero Engineering, Inc.
Planners or engineers with an understanding of natural hazards	Yes	H2M Engineer Associates, Inc. and Ferriero Engineering, Inc.
Staff with expertise or training in benefit/cost analysis	Yes	Administrator



Resources	Available? (Yes/No)	Comment (available staff, responsibilities, support of hazard mitigation)
Professionals trained in conducting damage assessments	No	-
Personnel skilled or trained in GIS and/or Hazus applications	Yes	Agnoli Engineering/ H2M Engineer Associates, Inc.
Staff that work with socially vulnerable populations or underserved communities	Yes	The Borough Health Department provides services to residents who are living on a limited income and for those caring for aging parents. Its mission is to prevent the premature onset of disease and disability, and to help all residents achieve healthier, more productive lives.
Environmental scientists familiar with natural hazards	No	-
Surveyors	Yes	The Borough has contracted a private firm to conduct aerial surveys via drone to assess flood damage to assets and river banks. They have an active NJDEP permit to conduct this work until 2025.
Emergency manager	Yes	OEM Coordinator
Grant writers	Yes	Millennium Strategies
Resilience Officer	Yes	OEM Coordinator
Other (this could include stormwater engineer, environmental specialist, etc.)	No	-

1.3.4 Fiscal Capability

Table 2-5 summarizes financial resources available to Pompton Lakes.

Table 2-5. Fiscal Capabilities

Financial Resources	Accessible or Eligible to Use? (Yes/No)
Community Development Block Grants (CDBG, CDBG-DR)	Yes
Capital improvement project funding	Yes
Authority to levy taxes for specific purposes	Yes
User fees for water, sewer, gas, or electric service	No
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	No
Other federal or state funding programs	Yes
Open Space Acquisition funding programs	No
Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution])	No



1.3.5 Education and Outreach Capability

Table 2-6 summarizes the education and outreach resources available to Pompton Lakes.

Table 2-6. Education and Outreach Capabilities

Outreach Resources	Available? (Yes/No)	Comment
Public information officer or communications office	Yes	Public Information Officer under OEM. The Borough utilizes the Civic Plus Engage platform for the Borough website which has various compatibility assurances with mobile devices and also has advanced capabilities for email notifications.
Personnel skilled or trained in website development	No	-
Hazard mitigation information available on your website	Yes	Flood information
Social media for hazard mitigation education and outreach	Yes	Facebook and X (formerly Twitter)
Citizen boards or commissions that address issues related to hazard mitigation	Yes	Flood Advisory Board, Open Space Committee, Stormwater Committee, Flood Legislation Committee, CRS Committee, Climatology Committee, Program for Public Information.
Warning systems for hazard events	Yes	CivicReady, website, emails
Natural disaster/safety programs in place for schools	Yes	Handouts for school kids
Organizations that conduct outreach to socially vulnerable populations and underserved populations	No	-
Public outreach mechanisms / programs to inform citizens on natural hazards, risk, and ways to protect themselves during such events	Yes	Newsletter, Awareness Seminar each March The Borough's OEM Director along with the work of the Pompton Lakes Police Department, Pompton Lakes Fire Department and CERT team regularly check the functionality of the communication plans.

1.3.6 Community Classifications

Table 2-7 summarizes classifications for community programs available to Pompton Lakes.

Table 2-7. Community Classifications

Program	Participating? (Yes/No)	Classification	Date Classified
Community Rating System (CRS)	Yes	5	May 1, 2013
Building Code Effectiveness Grading Schedule (BCEGS)	No	-	-
Public Protection (ISO Fire Protection Classes 1 to 10)	Yes	4	-
National Weather Service StormReady Certification	Yes	N/A	October 2014
Firewise Communities classification	No	-	-



Program	Participating? (Yes/No)	Classification	Date Classified
New Jersey Sustainable Jersey Community	Yes	Silver	October 1, 2021
Other: Organizations with mitigation focus (advocacy group, non-government)	No	-	-

N/A = Not applicable

— = Unavailable

1.3.7 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 2022). Each jurisdiction has a unique combination of capabilities to adjust to, protect from, and withstand a future hazard event, future conditions, and changing risk. Table 2-8 summarizes the adaptive capacity for each identified hazard of concern and the Borough’s capability to address related actions using the following classifications:

- Strong: Capacity exists and is in use.
- Moderate: Capacity might exist; but is not used or could use some improvement.
- Weak: Capacity does not exist or could use substantial improvement

Table 2-8. Adaptive Capacity

Hazard	Adaptive Capacity - Strong/Moderate/Weak
Dam Failure	Moderate
Drought	Moderate
Extreme Temperatures	Moderate
Flood	Moderate
Geological Hazards	Moderate
Severe Weather	Moderate
Severe Winter Weather	Moderate
Wildfire	Moderate

1.4 NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE

This section provides specific information on the management and regulation of the regulatory floodplain, including current and future compliance with the National Flood Insurance Program (NFIP). The floodplain administrator listed in Table 2-1 is responsible for maintaining this information.

1.4.1 NFIP Statistics

Table 2-9 summarizes the NFIP policy and claim statistics for Pompton Lakes.

Table 2-9. Pompton Lakes NFIP Summary of Policy and Claim Statistics

# Claims (Losses)	1,913
Total Loss Payments	\$49,258,458



# Repetitive Loss Properties (NFIP definition)	147
# Repetitive Loss Properties (FMA definition)	3
# Severe Repetitive Loss Properties (NFIP definition)	110
# Severe Repetitive Loss Properties (FMA definition)	168

NFIP Definition of Repetitive Loss: The NFIP defines a repetitive loss property as any insurable building for which two or more claims of more than \$1,000 were paid by the NFIP within any rolling 10-year period since 1978.

FMA Definition of Repetitive Loss: FEMA’s Flood Mitigation Assistance (FMA) program defines a repetitive loss property as any insurable building that has incurred flood-related damage on two occasions, in which the cost of the repair, on average, equaled or exceeded 25 percent of the market value of the structure at the time of each such flood event.

Definition of Severe Repetitive Loss: A residential property covered under an NFIP flood insurance policy and: (a) That has at least four NFIP claim payments over \$5,000 each, and the cumulative amount of such claims payments exceeds \$20,000; or (b) For which at least two separate claims payments have been made with the cumulative amount of the building portion of such claims exceeding the market value of the building. At least two of the claims must have occurred within any 10-year period, more than 10 days apart.

Source: NJOEM 2024

1.4.2 Flood Vulnerability Summary

Table 2-10 provides a summary of the NFIP program in Pompton Lakes.

Table 2-10. NFIP Summary

NFIP Topic	Comments
Flood Vulnerability Summary	
Describe areas prone to flooding in your jurisdiction.	Properties located near streams, rivers, and lakes
Do you maintain a list of properties that have been damaged by flooding?	Yes, a list is maintained
Do you maintain a list of property owners interested in flood mitigation?	A list is not maintained however, the Borough has recently partnered with the State for several elevations and buyouts.
How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)?	Unknown
Are any RiskMAP projects currently underway in your jurisdiction? If so, state what projects are underway.	None at this time
How do you make Substantial Damage determinations?	Under the regulations of NJ DEP and FEMA requirements
How many Substantial Damage determinations were declared for recent flood events in your jurisdiction?	Unknown
How many properties have been mitigated (elevation or acquisition) in your jurisdiction? If there are mitigation properties, how were the projects funded?	Unknown, the Borough has recently partnered with the State for several elevations and buyouts.
Do your flood hazard maps adequately address the flood risk within your jurisdiction? If not, state why.	Yes
NFIP Compliance	



NFIP Topic	Comments
What local department is responsible for floodplain management?	The Building Department and Borough Engineer
Are any certified floodplain managers on staff in your jurisdiction?	No
Do you have access to resources to determine possible future flooding conditions from climate change?	Yes
Does your floodplain management staff need any assistance or training to support its floodplain management program? If so, what type of assistance/training is needed?	No, not at this time
Provide an explanation of NFIP administration services you provide (e.g., permit review, GIS, education/outreach, inspections, engineering capability)	Yes, permit review, GIS, education, outreach, inspections, and engineering capabilities
How do you determine if proposed development on an existing structure would qualify as a substantial improvement?	Under the regulations of NJ DEP and FEMA requirements
What are the barriers to running an effective NFIP program in the community, if any?	None
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? If so, state the violations.	No
When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?	Unknown
What is the local law number or municipal code of your flood damage prevention ordinance?	Chapter 16 – Flood Damage Prevention
What is the date that your flood damage prevention ordinance was last amended?	March 25, 2020
Does your floodplain management program meet or exceed minimum requirements? If exceeds, in what ways?	Exceeds with 30" Freeboard; however, Borough needs to adopt Code Coordinated Ordinance
Are there other local ordinances, plans or programs (e.g., site plan review) that support floodplain management and meeting the NFIP requirements? For instance, does the planning board or zoning board consider efforts to reduce flood risk when reviewing variances such as height restrictions?	Yes
Does your community plan to join the CRS program or is your community interested in improving your CRS classification?	The Borough participates in CRS and is a Class 5 community. They have been working towards a Class 4 designation for the past several years. They are the first Class 5 community east of the Mississippi River.

1.5 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 appreciating a jurisdiction's overall risk to its hazards of concern. Recent and expected future development trends, including major residential/commercial development and major infrastructure development, are summarized in Table 2-11 through Table 2-13.



Table 2-11. Number of Building Permits for New Construction Issued Since the Previous HMP

	New Construction Permits Issued			
	Single Family	Multi-Family	Other (commercial, mixed-use, etc.)	Total
2020				
Total Permits	2	0	0	2
Permits within SFHA	0	0	0	0
2021				
Total Permits	1	0	0	1
Permits within SFHA	0	0	0	0
2022				
Total Permits	1	0	0	1
Permits within SFHA	0	0	0	0
2023				
Total Permits	5	0	1	6
Permits within SFHA	0	0	0	0

SFHA = Special Flood Hazard Area (1% flood event)

Table 2-12. Recent Major Development and Infrastructure from 2017 to Present

Property or Development Name	Type of Development	# of Units / Structures	Location (address and/or block and lot)	Known Hazard Zones*	Description / Status of Development
Meridia Project	Mixed Use – Commercial & Residential	1 Structure	Wanaque Avenue & Babcock Place	Zone DRA – 1 No Flooding	In Progress
Soaring Car Wash	Commercial	1 Structure	105 Hamburg Turnpike	Zone B-1 No Flooding	Completed
525 Wanaque LLC	Mixed Use – Commercial & Residential	1 Structure	525 Wanaque Avenue	Zone B-1 No Flooding	In Progress

* Only location-specific hazard zones or vulnerabilities identified.

Table 2-13. Known or Anticipated Major Development and Infrastructure in the Next Five Years

Property or Development Name	Type of Development	# of Units / Structures	Location (address and/or block and lot)	Known Hazard Zones*	Description / Status of Development
Pompton Five Associates	Mixed Use – Commercial & Residential	1 Structure	223 Wanaque Avenue	Zone DRA – 1 No Flooding	In Review
Passaic County Affordable Housing	Residential	1 Structure	519 Ringwood Avenue	Zone DBD-2 Frontal Flooding	In Review



1.6 JURISDICTIONAL RISK ASSESSMENT

The hazard profiles in Volume I provide detailed information regarding each planning partner's vulnerability to the identified hazards, including summaries of Pompton Lakes's risk assessment results and data used to determine the hazard ranking. Key local risk assessment information is presented below.

1.6.1 Hazard Area

Hazard area maps provided below illustrate the probable hazard areas impacted within the Borough are shown in Figure 2-1 through Figure 2-2. 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 are provided only for hazards that can be identified clearly using mapping techniques and technologies and for which Pompton Lakes has significant exposure. The maps show the location of potential new development, where available.



Figure 2-1. Pompton Lakes NEHRP Hazard Area Extent and Location Map

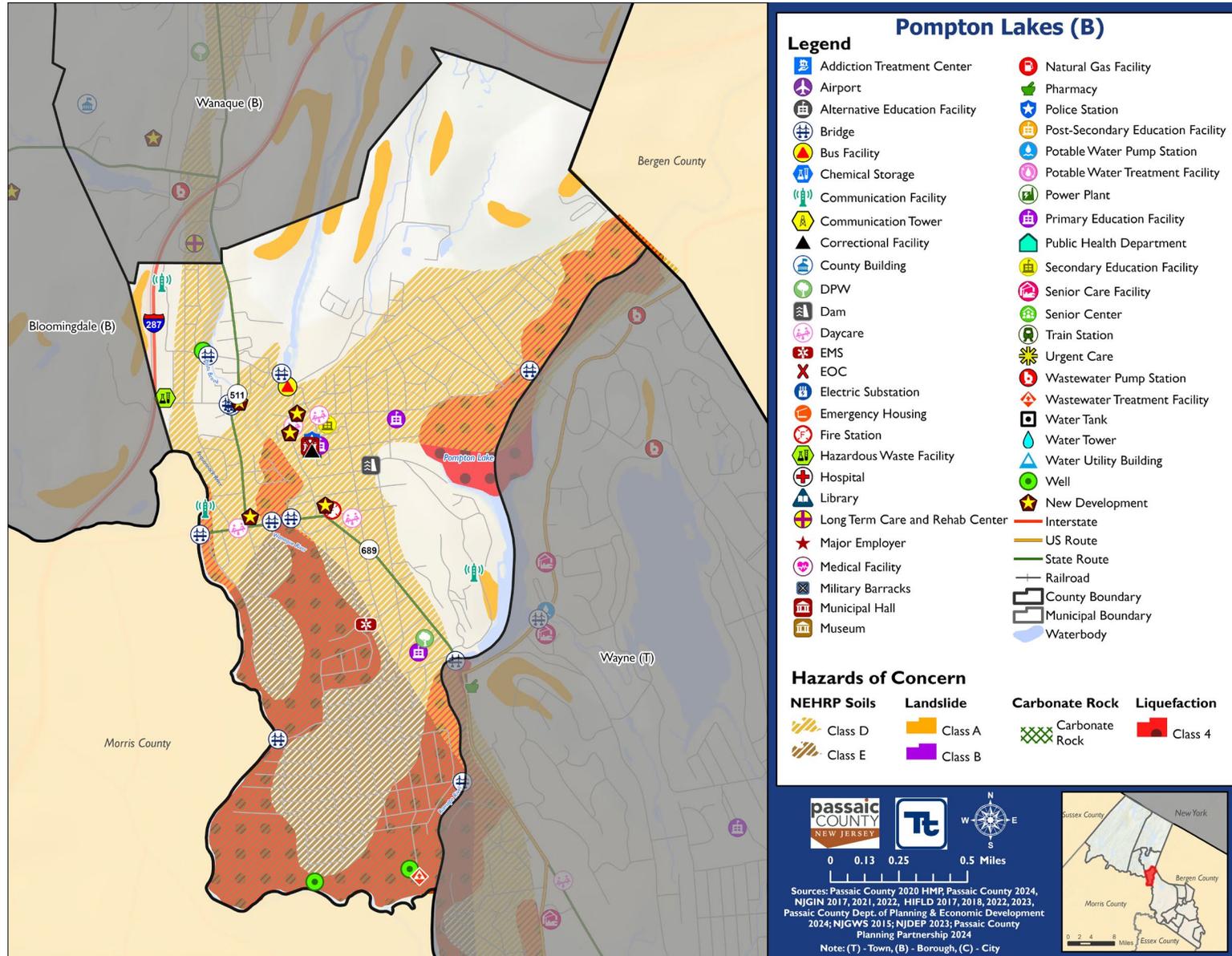
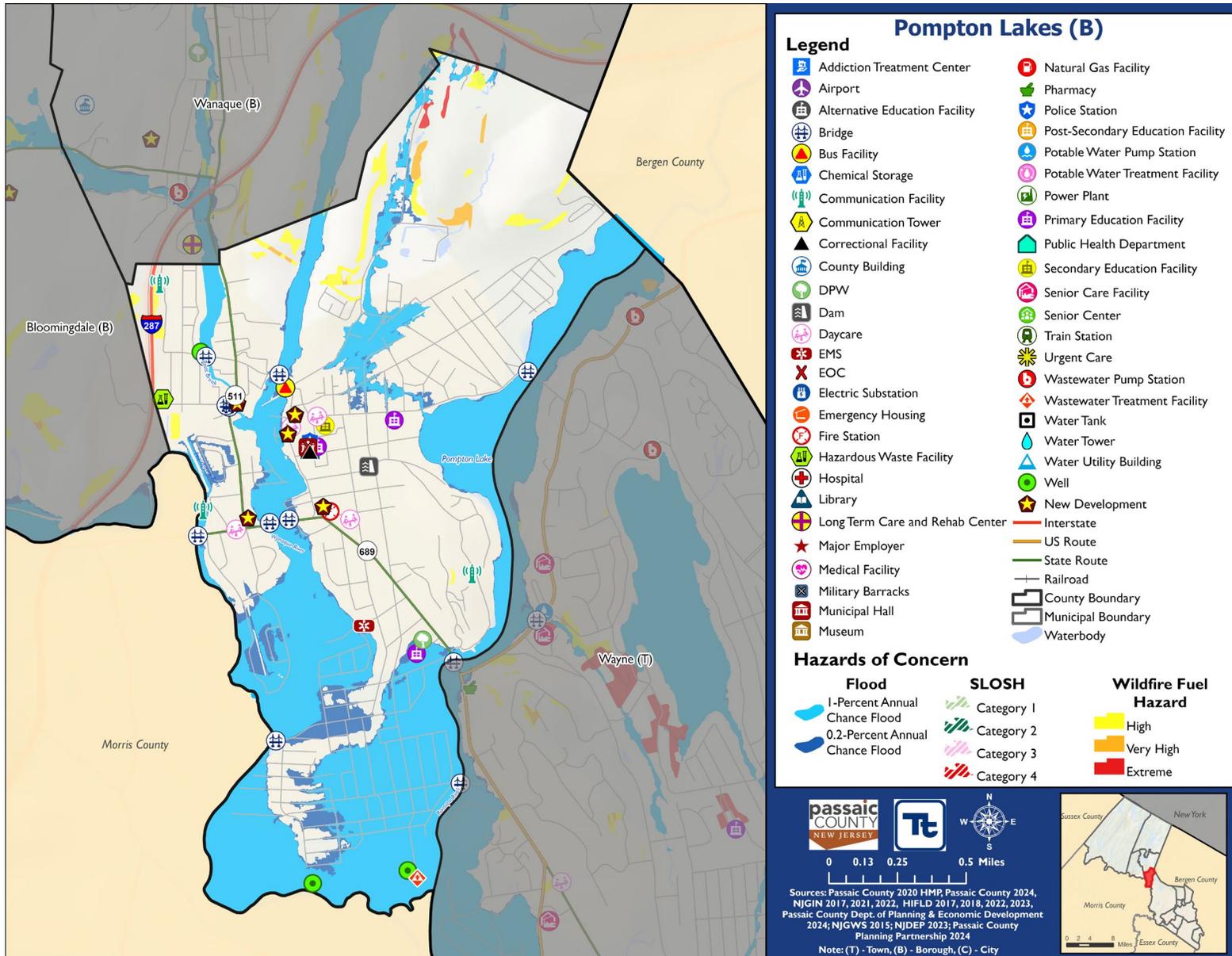




Figure 2-2. Pompton Lakes Flood and Wildfire Hazard Area Extent and Location Map





1.6.2 Hazard Event History

The history of natural and non-natural hazard events in Pompton Lakes is detailed in Volume I, where each hazard profile includes a chronology of historical events that have affected the County and its municipalities. Table 2-14 provides details on loss and damage in Pompton Lakes during hazard events since the last hazard mitigation plan update.

Table 2-14. Hazard Event History in Pompton Lakes

Dates of Event	Event Type (Disaster Declaration)	County Designated?	Summary of Event	Summary of Damage and Losses in Pompton Lakes
December 17-23, 2023	Flood	N/A	Over 5 inches of rainfall resulted in major flooding and power outages in the region. State of emergency and evacuations were declared during the initial storm and subsequent riverine flooding.	-
January 20, 2020 – May 11, 2023	Covid-19 Pandemic (EM-3451-NJ, DR-4488-NJ)	Yes	As of September 26, 2023, Passaic County accounted for 7,530 positive cases of COVID-19, and 32 reported deaths (State of New Jersey, 2023).	-
September 1-3, 2021	Remnants of Hurricane Ida (EM-3573-NJ, DR-4614-NJ)	Yes	The remnants of Hurricane Ida produced heavy rainfall and riverine and flash floods. Rainfall totals exceed 3 inches in parts of County; 4 water rescues occurred due to flash flooding.	-

EM = Emergency Declaration (FEMA)

FEMA = Federal Emergency Management Agency

DR = Major Disaster Declaration (FEMA)

N/A = Not applicable

1.6.3 Hazard Ranking and Vulnerabilities

The hazard profiles in Volume I have detailed information regarding each planning partner's vulnerability to the identified hazards. The following presents key risk assessment results for Pompton Lakes.

Hazard Ranking

The participating jurisdictions have differing degrees of vulnerability to the hazards of concern, so each jurisdiction ranked its own degree of risk to each hazard. The community-specific hazard ranking is based on problems and impacts identified by the risk assessment presented in Volume I. The ranking process involves an assessment of the likelihood of occurrence for each hazard; the potential impacts of the hazard on people, property, and the economy; community capabilities to address the hazard; and changing future climate conditions. Pompton Lakes reviewed the County hazard ranking and individual results to assess the relative risk of the hazards of concern to the community. During the review of the hazard ranking, the Borough indicated the following:



- The Borough has experienced significant flooding and has put extensive resources into developing a strong floodplain management and mitigation program. The Borough agreed with the High ranking for the Flood hazard.
- The Borough of Pompton Lakes experiences recurring issues with downed trees and flooding that require the same temporary mitigation measures. The Borough works with NJDEP to comply with environmental regulations and obtain the necessary permits; however, this process requires the Borough to repeatedly apply for funding, but it is increasingly becoming an operating need. As a result, the Borough updated its hazard ranking for Severe Weather from Medium to High.
- Municipality deals with recurring issues with downed trees and flooding that require the same fixes again and again. It is cumbersome to continuously get the necessary permits from NJDEP and apply for funding, as this is an ongoing need rather than a capital investment.
- In early November 2024, during the planning process, the Borough experienced a wildfire near Cannonball Road and Pompton Lake. The event, called the Jennings Creek wildfire, affected more than 5,000 acres in Passaic County and Orange County in the State of New Jersey (Vannozzi 2024). The hilly and steep terrain of Passaic County contributed to the rapid spread, exacerbated by strong winds. As a result of this event, the Borough updated its hazard ranking for Wildfire from Low to Medium.

Table 2-15 shows Pompton Lakes’s final hazard rankings for identified hazards of concern. Mitigation action development uses the ranking to target hazards with the highest risk.

Table 2-15. Hazard Ranking

Hazard	Rank
Dam Failure	Medium
Drought	Medium
Geologic Hazards	Medium
Extreme Temperature	Medium
Flood	High
Severe Weather	High
Severe Winter Weather	Medium
Wildfire	Medium

Note: The scale is based on the hazard rankings established in Volume I, modified as appropriate based on review by the jurisdiction

Critical Facilities

Table 2-16 identifies critical facilities in the community located in the 1 percent and 0.2 percent annual chance floodplains.

Table 2-16. Critical Facilities Flood Vulnerability

Name	Type	Vulnerability	
		1% Annual Chance Event	0.2% Annual Chance Event
1600027	Bridge	X	X



Name	Type	Vulnerability	
		1% Annual Chance Event	0.2% Annual Chance Event
1600028	Bridge	X	X
1600041	Bridge	X	X
1600042	Bridge	X	X
1600044	Bridge	X	X
1600045	Bridge	X	X
1600142	Bridge	X	X
1600503	Bridge	X	X
Lincoln E.S.	Primary Education Facility	-	X
Police Radio Tower	Communication Facility	X	X
Pompton Lakes DPW	DPW	X	X
Pompton Lakes MUA	Wastewater Treatment Facility	X	X
Well 1	Well	X	X
Well 2	Well	X	X

Source: Passaic County 2020 HMP, Passaic County 2024, NJGIN 2017, 2021, 2022, HIFLD 2017, 2018, 2022, 2023, Passaic County Dept. of Planning & Economic Development 2024

In addition to critical facilities that are exposed to flooding, the Borough of Pompton Lakes contains at least one high hazard dam; however, this information is considered sensitive by the County and site-specific information is not provided.

1.6.4 Identified Issues

After review of Pompton Lakes’s hazard event history, hazard rankings, hazard location, and current capabilities, Pompton Lakes identified the following vulnerabilities within the community:

- Frequent flooding events have resulted in damages to residential properties. These properties have been repetitively flooded as documented by paid NFIP claims. The Borough has 250 repetitive loss properties, but other nearby properties may be impacted by flooding as well. Revisiting the Open Space ROSSI may support identification of properties for encouraging buy-outs or other mitigation measures.
- The following critical facilities are municipally owned and located in the special flood hazard area:
 - Highway Bridge: 1600027
 - Highway Bridge: 1600028
 - Highway Bridge: 1600041
 - Highway Bridge: 1600042
 - Highway Bridge: 1600044
 - Highway Bridge: 1600045
 - Highway Bridge: 1600142
 - Highway Bridge: 1600503
 - Lincoln E.S.
 - Police Radio Tower
 - Pompton Lakes DPW
 - Pompton Lakes MUA



- Well 1
- Well 2
- Major disaster events can result in large amounts of debris that overwhelm normal trash collection operations. Depending on the amount generated, temporary staging areas for debris collection may be needed. The municipality does not have a disaster debris management plan in place. During a disaster that results in debris, a plan with outlined responsibilities is needed to adequately address post-disaster cleanup operations.
- The municipality does not have a Substantial Damage Management Plan in place, nor do they have a formal process in place when conducting substantial damage determinations. The municipality is in need of a formal process and plan to provide a framework for conducting such inspections and determinations following a storm, flood, or other hazard event.
- The Borough experiences flooding along the Ramapo River that may be attenuated using a natural berm or levee. To help determine the need, the Borough needs a flood gauge to assess conditions along the waterbody.
- The Borough experiences flooding along a bridge during intense precipitation events.
- The Borough and neighboring municipalities experience flood issues along the Pompton River. The flooding issues are being analyzed to determine what measures can be taken.
- The Borough has drainage issues relating to drainage infrastructure.
- The Borough does not have an ongoing stream clearing permit from NJ DEP which makes it difficult to mitigate stream flooding as a result from debris backup.
- The Borough is unaware of how climate change will impact their economy, built and natural environment, and their population.
- The Borough has not updated its Floodplain Damage Prevention Ordinance to be in accordance with NJDEP's Code Coordinated Ordinance. The ordinance needs to be updated to incorporate new Flood Hazard Area rules and comply with state and NFIP requirements.
- A primary cause of flooding in the Borough is degraded habitat conditions along the Pompton River, Ramapo River, Wanaque River, and Pequannock River. Restoring the natural habitat along these water bodies could alleviate some flooding issues. The Borough would have to hire professionals with expertise in river restoration and/or living shorelines to assess damage areas and preferred strategies.
- The Borough has a "Prepare & Recover" information booklet to educate residents on flood risks; however, not all residents are aware of this resource. The Borough could update the booklet to increase visibility by adding a QR code with a link to it on newsletters and other municipal materials, like calendars.

1.7 MITIGATION STRATEGY AND PRIORITIZATION

This section discusses the status of mitigation actions from the previous HMP, describes proposed hazard mitigation actions, and prioritizes actions to address over the next five years.

1.7.1 Past Mitigation Action Status

Table 2-17 indicates progress on the Borough's mitigation strategy identified in the 2020 HMP. Actions that are still recommended but not completed or that are in progress are carried forward and combined with new actions as part of the mitigation strategy for this plan update. Previous actions that are now ongoing programs and capabilities are indicated as such and are presented in the capability assessment earlier in this annex.

1.7.2 Additional Mitigation Efforts

In addition to the mitigation actions completed in Table 2-17, Pompton Lakes identified the following mitigation efforts completed since the last HMP:



- Bank stabilization projects; want to do more of this; considered rip/rap and sheet piling; Wanaque and Peconic rivers in the Boro

Since the adoption of the County's first HMP, Pompton Lakes has made significant mitigation progress in the following areas:

- The Borough has allocated \$100 million in its Capital Improvement Plan to repair its rivers from flood damage, like bank stabilization activities. In the 2024 Plan, the Borough included funds to fix damage to riverbanks that are not under the jurisdiction by FEMA or NJDEP, so the Borough has to pay for this project itself.
- The Borough worked with FEMA to facilitate a community outreach effort on flood buyouts and relocations. There have been several buyouts in the past few years in the Borough. The FEMA outreach effort identified approximately 10 new homeowners that were interested in potential buyouts. Some Borough property owners are unwilling to sell their homes due to low offers, despite initial interest.
- Since the last plan update, the Borough has contracted the facilitation of an open space survey and an assessment on the deer population.
- The Borough has contracted a private company to conduct drone aerial imagery to assess flood damage to its riverbanks. The Borough has an NJDEP permit to conduct this work until 2025.
- Since the last plan update, the Shade Tree Committee has updated the last community forestry plan.



Table 2-17. Status of Previous Mitigation Actions

Project Number	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Action Review 1. Status (In Progress, Ongoing Capability, No Progress, Complete) 2. Provide a narrative to describe progress or obstacles that have prevented implementation	Next Steps 1. Project to be included in the 2025 HMP or Discontinue 2. If including action in the 2025 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
2020-Pompton Lakes-001			FPA	Support the mitigation of vulnerable structures via retrofit (e.g., elevation, flood-proofing) or acquisition/relocation to protect structures from future damage, with repetitive loss and severe repetitive loss properties as a priority when applicable.	1. In Progress 2. The remaining structures needed elevations have not applied or taken offers in the past from FEMA to do so. The Borough encourages elevations.	1. Include 2. N/A 3. Borough will encourage elevations if money is provided by State or Federal entities so as to protect residents but continue to support the Borough tax base.
2020-Pompton Lakes-002			Borough of Pompton Lakes	Complete drone survey of areas that are prone to snags and silting. Use this information to complete de-snagging and desilting operations.	1. Ongoing Capability 2. The Borough has been asked to include the cost of the drone surveys in the annual operating budget. The past surveys have been donated.	1. Discontinue 2. N/A 3. Project is ongoing capability



Project Number	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Action Review 1. Status (In Progress, Ongoing Capability, No Progress, Complete) 2. Provide a narrative to describe progress or obstacles that have prevented implementation	Next Steps 1. Project to be included in the 2025 HMP or Discontinue 2. If including action in the 2025 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
2020-Pompton Lakes-003			County	Address the river constriction issues on the Ramapo River at the Dawes Highway bridge by working with the State and County to construct either a set of bypass channels or another diversion or storage structure.	1. No Progress 2. Borough met with the Passaic County Engineering Department to address restrictions and were told that the proposals cannot be done for engineering and cost reasons.	1. Discontinue 2. N/A 3. Not feasible to re-route roadway or widen bridge; new construction might make it slightly wider but not to the extent requested by Borough. It looks as though the project will go forward without Borough recommendations.
2020-Pompton Lakes-004	Repetitive Loss Properties		NFIP Floodplain Administrator	Continue the acquisition and removal of homes along River Edge Drive, with the intention of construction additional flood storage along the Ramapo River.	1. In Progress 2. Borough held public meeting to discuss acquisition of properties with FEMA in April 2024; homeowners spoke with FEMA counselors and got an estimate of appraisal of the house. Resulted in about 10 people interested in pursuing home sale/elevations. Borough will continue push to acquire remaining four homes on River Edge Drive.	1. Include 2. Keep as is 3. N/A
2020-Pompton Lakes-005			Borough	Work with NJ DEP to secure an ongoing permit for stream clearing.	1. In Progress 2. Borough needs to have an open permit to perform emergent mitigation operations as well as an annual permit for stream and river maintenance.	1. Include 2. Keep as is 3. N/A



Project Number	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Action Review 1. Status (In Progress, Ongoing Capability, No Progress, Complete) 2. Provide a narrative to describe progress or obstacles that have prevented implementation	Next Steps 1. Project to be included in the 2025 HMP or Discontinue 2. If including action in the 2025 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
2020-Pompton Lakes-006			OEM	Work with USGS and NWS for gauge. Already have existing location for installation set	1.No Progress 2. FEMA declined installing another gauge on Ramapo River. Borough had requested it	1.Include 2. Keep as is 3. N/A
2020-Pompton Lakes-007			Engineering	Put vented sides or guardrail on bridge that would prevent water from being diverted to the side of the bridge.	1.No Progress 2. Borough is continuing effort to pursue this. Put it forward to the County. Bridge experienced additional flooding during snow/rain events.	1.Include 2. Keep as is 3. N/A
2020-Pompton Lakes-008			Engineering	Regional analysis and control of the Pompton River.	1.No Progress 2. Hoping this will fund an effort; discussed with Wayne/Pequonic (nearby muni) engineer.	11.Include 2. Keep as is 3. N/A
2020-Pompton Lakes-009			Engineering, Public Works	The Engineering Department will design improvements to address drainage issues. Public works will carry out the improvements.	1.No Progress 2. Improvements wanted were check valves; not going to work (based on past experience). Not feasible or not cost-effective.	1.Include 2. Keep as is 3. N/A



Project Number	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Action Review 1. Status (In Progress, Ongoing Capability, No Progress, Complete) 2. Provide a narrative to describe progress or obstacles that have prevented implementation	Next Steps 1. Project to be included in the 2025 HMP or Discontinue 2. If including action in the 2025 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
2020-Pompton Lakes-010			Flood Advisory Board	The Borough will gather and review climate change studies that pertain to the local flood condition and develop flood actions and strategies based on this analysis.	1. In Progress 2. Work with Rutgers U on this; Flood Advisory Committee is pushing for permeable pavement on road shoulders	1. Include 2. Keep as is 3. N/A
2020-Pompton Lakes-011			Flood Advisory Board	Complete an invasive species inventory and remove invasives. Restore impacted habitats.	1. Complete and Ongoing 2. Proud to announce that the Borough has eradicated a large amount of bamboo and other invasive species in our flood affected areas to allow for better flow of flood water	1. Discontinue 2. N/A 3. This action has been completed.



Project Number	Project Name	Hazard(s) Addressed	Responsible Party	Brief Summary of the Original Problem and the Solution (Project)	Action Review 1. Status (In Progress, Ongoing Capability, No Progress, Complete) 2. Provide a narrative to describe progress or obstacles that have prevented implementation	Next Steps 1. Project to be included in the 2025 HMP or Discontinue 2. If including action in the 2025 HMP, revise/reword to be more specific (as appropriate). 3. If discontinue, explain why.
2020-Pompton Lakes-012			Flood Advisory Board	Complete outreach and public education to property owners.	1.Ongoing Capability 2. In past year, Boro revamped insert (Emergency Flood Preparedness Handbook) which is sent out with Boro calendar. Handbook lists dos/don'ts for property owners for before/during/after storm. This year, changing color of booklet to make it more eye-catching. Adding more graphics to bring more attention to it. Boro has the annual emergency preparedness seminar every March (tape, put it on Channel 77 Local Govt TV station, on muni site/YT)	1. Discontinue 2. N/A 3. This action is ongoing.



1.7.3 Proposed Hazard Mitigation Actions for the HMP Update

Pompton Lakes participated in the mitigation strategy workshop for this HMP to identify appropriate actions to include in a local hazard mitigation strategy. Its comprehensive consideration of all possible activities to address hazards of concern included review of the following FEMA documents:

- FEMA 551 “Selecting Appropriate Mitigation Measures for Floodprone Structures” (March 2007)
- FEMA “Mitigation Ideas—A Resource for Reducing Risk to Natural Hazards” (January 2013).

The action worksheets included at the end of this annex list the mitigation actions that Pompton Lakes would like to pursue in the future to reduce the effects of hazards. The actions 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 Borough priorities.

Table 2-18 indicates the range of proposed mitigation action categories. The four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table to further demonstrate the wide range of activities and mitigation measures selected.

Volume I identifies 14 evaluation criteria for prioritizing the mitigation actions. To assist with rating each mitigation action as high, medium, or low priority, a numeric rank is assigned (-1, 0, or 1) for each of the evaluation criteria. Table 2-19 provides a summary of the prioritization of all proposed mitigation actions for the HMP update.



Table 2-18. Analysis of Mitigation Actions by Hazard and Category

Hazard	Actions That Address the Hazard, by Action Category									
	FEMA				CRS					
	LPR	SIP	NSP	EAP	PR	PP	PI	NR	SP	ES
Dam Failure	X		X	X	X		X	X		X
Drought	X		X	X	X		X	X		X
Geological Hazards	X		X	X	X		X	X		X
Extreme Temperature	X		X	X	X		X	X		X
Flood	X	X	X	X	X	X	X	X	X	X
Severe Weather	X	X	X	X	X	X	X	X	X	X
Severe Winter Weather	X	X	X	X	X		X	X		X
Wildfire	X		X	X	X		X	X		X

- 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 structures to reduce the impact of hazards.
- Natural Systems Protection (NSP)*—These are actions that minimize damage and losses and 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
- 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 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 2-19. Summary of Prioritization of Actions

Project Number	Project Name	Scores for Evaluation Criteria															High / Medium / Low
		Life Safety	Property Protection	Cost-Effectiveness	Political	Legal	Fiscal	Environmental	Social Vulnerability	Administrative	Hazards of Concern	Climate Change	Timeline	Community Lifelines	Other Local Objectives	Total	
Action 2025-PomptonLakesB-001	Repetitive Loss Property Mitigation	1	1	1	1	1	0	1	1	1	1	1	1	0	1	12	High
Action 2025-PomptonLakesB-002	Critical Facilities in the Floodplain	1	1	1	1	1	0	1	1	1	1	1	1	1	0	12	High
Action 2025-PomptonLakesB-003	Disaster Debris Management Plan	0	1	1	1	1	0	1	1	1	1	1	1	0	1	11	High
Action 2025-PomptonLakesB-004	Substantial Damage Management Plan	0	1	1	1	1	0	1	1	1	1	1	1	0	1	11	High
Action 2025-PomptonLakesB-005	Ramapo River Flood Gauge	1	1	1	1	1	0	1	1	1	1	1	1	1	1	13	High
Action 2025-PomptonLakesB-006	Bridge Flood Mitigation	1	1	1	1	1	0	0	1	1	1	1	1	1	1	12	High
Action 2025-PomptonLakesB-007	Pompton River Analysis	1	1	1	1	1	0	1	1	1	1	1	1	1	1	13	High
Action 2025-PomptonLakesB-008	Drainage System Improvements	1	1	1	1	1	0	1	1	1	1	1	1	1	1	13	High
Action 2025-PomptonLakesB-009	Stream Clearing Permit	1	1	1	1	1	0	1	1	1	1	1	1	1	1	13	High



Project Number	Project Name	Scores for Evaluation Criteria															High / Medium / Low
		Life Safety	Property Protection	Cost-Effectiveness	Political	Legal	Fiscal	Environmental	Social Vulnerability	Administrative	Hazards of Concern	Climate Change	Timeline	Community Lifelines	Other Local Objectives	Total	
Action 2025-PomptonLakesB-010	Climate Change Studies and Practices	1	1	1	1	1	0	1	1	1	1	1	1	1	1	13	High
Action 2025-PomptonLakesB-011	Dam Owner Partnership	1	1	1	1	1	0	1	1	1	1	1	1	1	1	13	High

Note: Volume I, Section 6 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions. Low (0-6), Medium (7-10), High (11-14).



Action 2025-PomptonLakesB-001. Repetitive Loss Property Mitigation

Lead Agency:	Public Works	
Supporting Agencies:	Flood Advisory Board	
Hazard(s) of Concern:	Severe Weather, Flood	
Description of the Problem:	Frequent flooding events have resulted in damages to residential properties. These properties have been repetitively flooded as documented by paid NFIP claims. The Borough has 250 repetitive loss properties, but other nearby properties may be impacted by flooding as well.	
Description of the Solution:	Conduct outreach to 300 flood-prone property owners, including RL/SRL property owners and provide information on mitigation alternatives. After preferred mitigation measures are identified, collect required property-owner information, and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving/elevating residential homes in the flood prone areas that experience frequent flooding (high risk areas).	
Estimated Cost:	Staff Time	
Potential Funding Sources:	BRIC, FMA, HMGP, match from property owners	
Implementation Timeline:	Within 5 Years	
Goals Met:	1,2,3,4,5,7	
Benefits:	Eliminates flood damage to homes and residences, which creating an open space for the municipality and increasing flood storage.	
Impact on Socially Vulnerable Populations:	Removing homes from the floodplain immediately removes the risk to life and property. Socially vulnerable populations may be able to have houses elevated or acquired when it would otherwise be unaffordable.	
Impact on Future Development:	Increased outreach to homeowners within a flood prone area will limit construction in areas that are prone to hazard events. Homes may be acquired, which will remove those structures from the floodplain and prevent future development on those sites.	
Impact on Critical Facilities/Lifelines:	Removing structures from the floodplain decreases the demand on utilities and emergency services including health and medical, law enforcement, and search and rescue.	
Impact on Capabilities:	Removing the risk from the immediate floodplain via acquisition of properties will free up resources for search and rescue and other emergency operations as needed.	
Climate Change Considerations:	Climate change is likely to increase the frequency and severity of severe rainfall, flash flooding, riverine flooding, and coastal flooding from sea level rise and storm surge events. Removing structures from the floodplain will reduce the response and recovery costs as a result of these events and decrease the loss of human life as a result of these events. Elevating structures will reduce the recovery costs as a result of these events.	
Mitigation Category	Structure and Infrastructure Project	
CRS Category	Property Protection	
Priority	High	
Alternatives:	Action	Evaluation
	No Action	-
	Levee around floodplain	Costly, not enough room



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	Deployable flood barriers	Requires deployment. Residents may not have adequate time to deploy, especially those who are elderly or disabled.
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Action 2025-PomptonLakesB-002. Critical Facilities in the Floodplain

Lead Agency:	Public Works; Facility Managers
Supporting Agencies:	Flood Advisory Board
Hazard(s) of Concern:	Flood
Description of the Problem:	<p>The following critical facilities are municipally owned and located in the special flood hazard area:</p> <ul style="list-style-type: none"> • Highway Bridge: 1600027 • Highway Bridge: 1600028 • Highway Bridge: 1600041 • Highway Bridge: 1600042 • Highway Bridge: 1600044 • Highway Bridge: 1600045 • Highway Bridge: 1600142 • Highway Bridge: 1600503 • Lincoln E.S. • Police Radio Tower • Pompton Lakes DPW • Pompton Lakes MUA • Well 1 • Well 2
Description of the Solution:	<p>The Borough will conduct a feasibility assessment to determine what additional floodproofing measures are needed at the facilities listed above to protect each to the 500-year flood level. Options include:</p> <ul style="list-style-type: none"> • Elevation of facility • Floodproofing of facility • Mobile flood barriers <p>Once the most cost-effective option is identified, the Borough will carry out the option.</p>
Estimated Cost:	TBD based on facility and floodproofing measure decided upon
Potential Funding Sources:	FEMA HMGP and PDM, BRIC, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Town Budget
Implementation Timeline:	Within 5 Years and then ongoing
Goals Met:	1,2,8
Benefits:	Ensures continuity of operations of the critical facilities listed above.
Impact on Socially Vulnerable Populations:	Protection of critical facilities provides an opportunity for first responders and emergency managers to maintain critical services that socially vulnerable populations rely on.
Impact on Future Development:	The risk of significant damage occurring to the structure will be reduced, which will allow critical operations to be maintained or only briefly interrupted in severe events. This provides continued support to both current and future development in the service area.
Impact on Critical Facilities/Lifelines:	This action will protect the critical facilities listed above which maintains the critical services that each provides.
Impact on Capabilities:	This action improves continuity of operations during a flood event, allows for a more rapid return to pre-disaster capabilities after a flood event, and faster deployment of post disaster capabilities.
Climate Change Considerations:	This action addresses anticipated increases in flooding frequency and severity through protection to the 500-year (0.2-percent annual chance) flood level.
Mitigation Category	Structure and Infrastructure Projects



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CRS Category	Emergency Services, Property Protection	
Priority	High	
Alternatives:	Action	Evaluation
	No Action	-
	Relocate facility	Relocation is expensive and results in loss or delay of critical services in the immediate area
	Establish plans to enter into MOU with neighboring critical facilities to provide service during flood events	Reduction in response times and delay of critical services in the immediate area.



Action 2025-PomptonLakesB-003. Disaster Debris Management Plan

Lead Agency:	Public Works	
Supporting Agencies:	Passaic County Emergency Management	
Hazard(s) of Concern:	Dam Failure, Drought, Geological Hazards, Extreme Temperature, Flood, Severe Weather, Severe Winter Weather, Wildfire	
Description of the Problem:	Major disaster events can result in large amounts of debris that overwhelm normal trash collection operations. Depending on the amount generated, temporary staging areas for debris collection may be needed. The municipality does not have a disaster debris management plan in place. During a disaster that results in debris, a plan with outlined responsibilities is needed to adequately address post-disaster cleanup operations.	
Description of the Solution:	The municipality will develop a disaster debris management plan. This plan will establish procedures and guidelines for managing disaster debris in a coordinated, environmentally responsible, and cost-effective manner. The plan will identify responsibilities for execution of the plan. The plan will align with permitted temporary collection areas.	
Estimated Cost:	Staff time	
Potential Funding Sources:	Municipal budget	
Implementation Timeline:	Within 5 years	
Goals Met:	4,5	
Benefits:	The action will result in increased quicker and more efficient cleanup after disaster events.	
Impact on Socially Vulnerable Populations:	N/A	
Impact on Future Development:	N/A	
Impact on Critical Facilities/Lifelines:	N/A	
Impact on Capabilities:	The action will result in increased post disaster capabilities.	
Climate Change Considerations:	Climate change may result in an increase in the frequency and severity of weather-related disaster events. This action will increase the capabilities to respond to these events.	
Mitigation Category	Local Plans and Regulations	
CRS Category	Emergency Services	
Priority	High	
Alternatives:	Action	Evaluation
	No Action	-
	Rely on federal cleanup	These services may or may not be available
	Rely on state cleanup	These services may or may not be available



Action 2025-PomptonLakesB-004. Substantial Damage Management Plan

Lead Agency:	Floodplain Administrator
Supporting Agencies:	Public Works, Code Enforcement
Hazard(s) of Concern:	Dam Failure, Drought, Geological Hazards, Extreme Temperature, Flood, Severe Weather, Severe Winter Weather, Wildfire
Description of the Problem:	<p>Officials in NFIP-participating communities are responsible for regulating all development in SFHAs by issuing permits and enforcing local floodplain requirements, including Substantial Damage, for the repairs of damaged buildings. After any disaster event, they must:</p> <ul style="list-style-type: none"> • Determine where the damage occurred within the community and if the damaged structures are in an SFHA. • Determine what to use for “market value” and cost to repair; uniformly applying regulations will protect against liability and promote equitable administration. • Determine if repairing plus improving the damaged structure equals or exceeds 50% of the structure’s pre-damage value. • Require permits for floodplain development. <p>The municipality does not have a Substantial Damage Management Plan in place, nor do they have a formal process in place when conducting substantial damage determinations. The municipality is in need of a formal process and plan to provide a framework for conducting such inspections and determinations.</p>
Description of the Solution:	<p>The municipality will develop a Substantial Damage Management Plan, following the six step planning process in 2021 Developing a Substantial Damage Management Plan (https://crsresources.org/files/500/developing_subst_damage_mgmt_plan.pdf). This plan will outline responsibilities for Substantial Damage determinations, determining market value, and permit approval processes following a disaster event.</p>
Estimated Cost:	Low
Potential Funding Sources:	Municipal budget
Implementation Timeline:	Within 5 years to develop the plan; ongoing to maintain and update the plan
Goals Met:	4,5
Benefits:	This plan will provide a process in making Substantial Damage Determinations and allow the municipality to make these determinations and meet NFIP requirements more quickly.
Impact on Socially Vulnerable Populations:	Substantially damaged structures are required to be rebuilt to be compliance with current codes. Socially vulnerable populations may not have the financial means to make these improvements. This action may allow for the identification of potential resources to address substantial damages to structures owned by socially vulnerable populations.
Impact on Future Development:	A Substantial Damage Management Plan would include all existing, current, and future development in the municipality.
Impact on Critical Facilities/Lifelines:	A Substantial Damage Management Plan would include all critical facilities and lifelines in the municipality.
Impact on Capabilities:	This action improves disaster recovery capabilities.
Climate Change Considerations:	Climate change is likely to increase the intensity and frequency of many climate related disaster events. This action provides additional planning for disaster recovery.
Mitigation Category	Local Plans and Regulations



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CRS Category	Emergency Services, Preventative Measures	
Priority	High	
Alternatives:	Action	Evaluation
	No Action	-
	Rely on state or federal resources following disaster events	Resources may not be available during major widespread events
	Establish MOUs with outside agencies to conduct Substantial Damage Determinations	A plan outlining responsibility is still necessary to prevent missing important requirements



Action 2025-PomptonLakesB-005. Ramapo River Flood Gauge

Lead Agency:	Floodplain Administrator	
Supporting Agencies:	Public Works, Code Enforcement	
Hazard(s) of Concern:	Flood	
Description of the Problem:	The Borough is in need of new flood gauges that report out to Borough police, so that the gauges can be used as a warning for evacuation purposes. The Borough has also determined a need for another flood gauge on Ramapo River and has an existing location for installation set.	
Description of the Solution:	The Borough will work with USGS and NWS to purchase and install another flood gauge on Ramapo River and will install gauges that can be read by police for emergency management. Once installed, the Borough will ensure the flood gauge is regularly maintained and evaluated to determine the best available data along the Ramapo River.	
Estimated Cost:	TBD	
Potential Funding Sources:	HMGP, FMA, Municipal Budget	
Implementation Timeline:	Within 5 years	
Goals Met:	2,5,8	
Benefits:	The Borough will have better available data relating to the water levels of the Ramapo River as well as a better warning time for all Borough flood gauges.	
Impact on Socially Vulnerable Populations:	Socially Vulnerable Populations may be disproportionately impacted by flooding along the Ramapo River and other bodies of water. With installation of a new gauge and other readable gages, those located near waterfront will be better protected.	
Impact on Future Development:	N/A	
Impact on Critical Facilities/Lifelines:	The flood gauges will provide faster flood related information so that facility owners may be better prepared to protect their facilities.	
Impact on Capabilities:	This action improves the Borough's capability to handle flood related events.	
Climate Change Considerations:	Climate change is leading to an increase in intensity and frequency of precipitation events, which makes flooding more concerning.	
Mitigation Category	Structure and Infrastructure Projects	
CRS Category	Preventative Measures, Emergency Services	
Priority	High	
Alternatives:	Action	Evaluation
	No Action	-
	Purchase moveable flood barriers	Not cost effective; problem persists
	Upgrade storm sewer systems	Does not give an emergency signal



Action 2025-PomptonLakesB-006. Bridge Flood Mitigation

Lead Agency:	Public Works	
Supporting Agencies:	Flood Advisory Board	
Hazard(s) of Concern:	Flood, Severe Weather	
Description of the Problem:	The Borough experiences flooding along a bridge during intense precipitation events.	
Description of the Solution:	The Borough will put vented sides of guardrails on the bridge that would prevent water from being diverted to the side of the bridge.	
Estimated Cost:	TBD based on mitigation technique	
Potential Funding Sources:	HMGP, Municipal Budget	
Implementation Timeline:	Within 5 Years	
Goals Met:	2,5	
Benefits:	The bridge will continue to flood.	
Impact on Socially Vulnerable Populations:	N/A	
Impact on Future Development:	N/A	
Impact on Critical Facilities/Lifelines:	The bridge is a lifeline that allows for emergency vehicles to pass through.	
Impact on Capabilities:	This improves the Borough's capacity to handle flooding.	
Climate Change Considerations:	Climate change is leading to an increase in intensity and frequency of precipitation events, which makes flooding more concerning.	
Mitigation Category	Structure and Infrastructure Project	
CRS Category	Structural Flood Control Projects	
Priority	High	
Alternatives:	Action	Evaluation
	No Action	-
	Purchase moveable flood barriers	The bridge will continue to flood
	Improve storm drainage system	Does not guarantee bridge will not flood



Action 2025-PomptonLakesB-007. Pompton River Analysis

Lead Agency:	Public Works	
Supporting Agencies:	Flood Advisory Board	
Hazard(s) of Concern:	Flood, Severe Weather, Severe Winter Weather	
Description of the Problem:	The Borough and neighboring municipalities experience flood issues along the Pompton River. The flooding issues are being analyzed to determine what measures can be taken.	
Description of the Solution:	The Borough and partnering municipalities will begin a flood study and will begin working the United States Army Corps of Engineers (USACE) to identify potential mitigation actions to reduce the occurrence of flooding and flood risk when floods do occur. Once identified, cost-effective actions will be carried out.	
Estimated Cost:	TBD	
Potential Funding Sources:	HMGP, BRIC, FMA, Annual Budget	
Implementation Timeline:	Within 5 Years	
Goals Met:	4,5	
Benefits:	<ul style="list-style-type: none"> Flood risk will be reduced in hazard prone areas. Vulnerable communities will be identified ahead of a flood event, which will allow first responders to plan and stage resources in those areas. Future mitigation projects may be identified that will further increase overall community resiliency to flooding and other hazard events. 	
Impact on Socially Vulnerable Populations:	<ul style="list-style-type: none"> Areas vulnerable to flooding will be made aware to Borough leadership and first responders which can place an emphasis on controlled future development. If cost-effective mitigation actions are identified, they may be implemented in flood prone areas that could reduce their overall risk to loss of life and property. 	
Impact on Future Development:	<ul style="list-style-type: none"> Flood insurance costs may decrease. 	
Impact on Critical Facilities/Lifelines:	<ul style="list-style-type: none"> Transportation routes will be more likely to remain open if flooding is mitigated along them. Hydration systems may remain potable for community usage if projects are identified to protect the existing infrastructure from flooding. 	
Impact on Capabilities:	This study will identify opportunities for mitigation funding to be spent in the areas in which it is most needed to increase resiliency and decrease damage from flood events.	
Climate Change Considerations:	Consideration should be taken to ensure any projects conducted have accounted for increased extreme rainfall events.	
Mitigation Category	Natural Systems Protection, Structure and Infrastructure Projects	
CRS Category	Public Information, Natural Resource Protection	
Priority	High	
Alternatives:	Action	Evaluation
	No Action	-
	Purchase moveable flood barriers	Not cost effective



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	Improve storm drainage system	Does not guarantee bridge will not flood
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Action 2025-PomptonLakesB-008. Drainage System Improvements

Lead Agency:	Public Works	
Supporting Agencies:	Flood Advisory Board	
Hazard(s) of Concern:	Flood	
Description of the Problem:	The Borough has drainage issues relating to drainage infrastructure.	
Description of the Solution:	The engineering department will design improvements to address drainage issues. Public works will carry out the identified improvements.	
Estimated Cost:	TBD	
Potential Funding Sources:	HMGP, BRIC, FMA, Municipal Budget	
Implementation Timeline:	Within 5 Years	
Goals Met:	2,5	
Benefits:	The Borough will experience reduced flooding.	
Impact on Socially Vulnerable Populations:	N/A	
Impact on Future Development:	Additional development can occur in the Borough with improved drainage in some areas.	
Impact on Critical Facilities/Lifelines:	Critical facilities will not experience as much flooding.	
Impact on Capabilities:	This action improves the flooding capability.	
Climate Change Considerations:	Consideration should be taken to ensure any projects conducted have accounted for increased extreme rainfall events.	
Mitigation Category	Structure and Infrastructure Projects	
CRS Category	Preventative Measures	
Priority	High	
Alternatives:	Action	Evaluation
	No Action	-
	Purchase moveable flood barriers	Not cost effective
	Improve storm drainage system	Does not guarantee bridge will not flood



Action 2025-PomptonLakesB-009. Stream Clearing Permit

Lead Agency:	NJDEP	
Supporting Agencies:	OEM; Flood Advisory Board	
Hazard(s) of Concern:	Flood	
Description of the Problem:	The Borough does not have an ongoing stream clearing permit from NJ DEP which makes it difficult to mitigate stream flooding as a result from debris backup.	
Description of the Solution:	The Borough will secure an ongoing stream clearing permit so that they can perform emergent mitigation operations as well as stream and river maintenance.	
Estimated Cost:	TBD	
Potential Funding Sources:	HMGP, FMA, BRIC, Annual Budget	
Implementation Timeline:	Within 5 Years; ongoing once established	
Goals Met:	8	
Benefits:	This action would help the Borough to reduce stream and river related flooding and would promote mitigation operations related to rivers and streams.	
Impact on Socially Vulnerable Populations:	Some socially vulnerable populations may be disproportionately impacted by river flooding events, this action would support efforts to reduce river related flood events.	
Impact on Future Development:	N/A	
Impact on Critical Facilities/Lifelines:	Critical facilities that are impacted by river and stream related flooding would be better protected from those flooding events.	
Impact on Capabilities:	This action improves the Borough's ability to handle flood events and prevent river related flood events.	
Climate Change Considerations:	Climate change is leading to an increase in intensity and frequency of precipitation events, which makes flooding more concerning.	
Mitigation Category	Local Plans and Regulations	
CRS Category	Preventative Measures, Property Protection	
Priority	High	
Alternatives:	Action	Evaluation
	No Action	-
	Purchase moveable flood barriers	Does not fix the root issue, not cost effective
	Elevate all roadways/properties impacted by flooding	Not cost effective



Action 2025-PomptonLakesB-010. Climate Change Studies and Practices

Lead Agency:	Planning Board; Flood Advisory Board	
Supporting Agencies:	Rutgers University; Pompton Lakes Environmental Protection Committee	
Hazard(s) of Concern:	Dam Failure, Drought, Geological Hazards, Extreme Temperature, Flood, Severe Weather, Severe Winter Weather, Wildfire	
Description of the Problem:	The Borough is unaware of how climate change will impact their economy, built and natural environment, and their population.	
Description of the Solution:	The Borough will work with Rutgers University on this and will launch climate friendly initiatives, such as a public tree planting to increase tree coverage in the Borough, as well as evaluating the benefits of permeable pavement on road shoulders.	
Estimated Cost:	TBD	
Potential Funding Sources:	HMGP, BRIC, FMA, Municipal Budget	
Implementation Timeline:	Within 5 Years	
Goals Met:	5	
Benefits:	This action helps educate the Borough on how climate change will impact them and gives students an opportunity to help out a local community and learn about climate change.	
Impact on Socially Vulnerable Populations:	Some socially vulnerable populations may be disproportionately affected by climate change events, this action aims to help build up the Borough to be more resistant to the impacts of climate change.	
Impact on Future Development:	Future development can use this initiative to ensure their development is built in a more sustainable fashion and is built to withstand climate change events.	
Impact on Critical Facilities/Lifelines:	Critical lifelines can be better mitigated to withstand climate change impacts.	
Impact on Capabilities:	This action improves the Borough's capability to harden the community.	
Climate Change Considerations:	Climate change is likely to increase the intensity and frequency of many climate related disaster events. This action provides additional planning for disaster recovery.	
Mitigation Category	Education and Awareness Program; Natural Systems Protection	
CRS Category	Natural Resource Protection, Public Information	
Priority	High	
Alternatives:	Action	Evaluation
	No Action	-
	Elevate all buildings	Not cost effective
	Elevate all roads	Not cost effective



Action 2025-PomptonLakesB-011. Dam Owner Partnership

Lead Agency:	Flood Advisory Board	
Supporting Agencies:	OEM; NJDEP; Dam Owners	
Hazard(s) of Concern:	Dam Failure	
Description of the Problem:	There are multiple dams, which are critical infrastructures, located in the 1- and 0.2-percent flood hazard areas. The Borough also has a high-hazard potential dam, the Pompton Lakes Dam, within its jurisdiction. These structures have the potential to impact those living nearby.	
Description of the Solution:	The Borough will work with the owners of the dams to ensure inspections and safety procedures are up to date. EAPs will be collected by Borough OEM and shared with the County OEM.	
Estimated Cost:	Low	
Potential Funding Sources:	Municipal Budget	
Implementation Timeline:	Within 5 Years	
Goals Met:	1,2,9	
Benefits:	This action will improve the safety and security of those who live within the dam inundation areas of the dams and increase the resilience of responding agencies.	
Impact on Socially Vulnerable Populations:	The action will result in better preparedness within the Special Flood Hazard Area and inundation areas where significant risk to socially vulnerable populations exists.	
Impact on Future Development:	N/A	
Impact on Critical Facilities/Lifelines:	Dams are considered a critical facility. This action will create an understanding of the safety procedures in place for each identified dam.	
Impact on Capabilities:	This action will improve planning and response capabilities through the understanding of responsibilities and procedures.	
Climate Change Considerations:	Climate change may result in an increase in the frequency and severity of weather-related disaster events, which may contribute to the likelihood of a dam failure event. This action will increase the capabilities to respond to these events.	
Mitigation Category	Local Plans and Regulations	
CRS Category	Preventative Measures	
Priority	High	
Alternatives:	Action	Evaluation
	No Action	-
	Utilize information from NJDEP	Owners may not be required to submit a safety plan to the State
	Utilize information from the National Inventory of Dams	Not all dams are listed on the inventory