



Northern Virginia Hazard Mitigation Plan  
**Annex 17-A: Town of Dumfries**

November 2022





# Town of Dumfries Overview

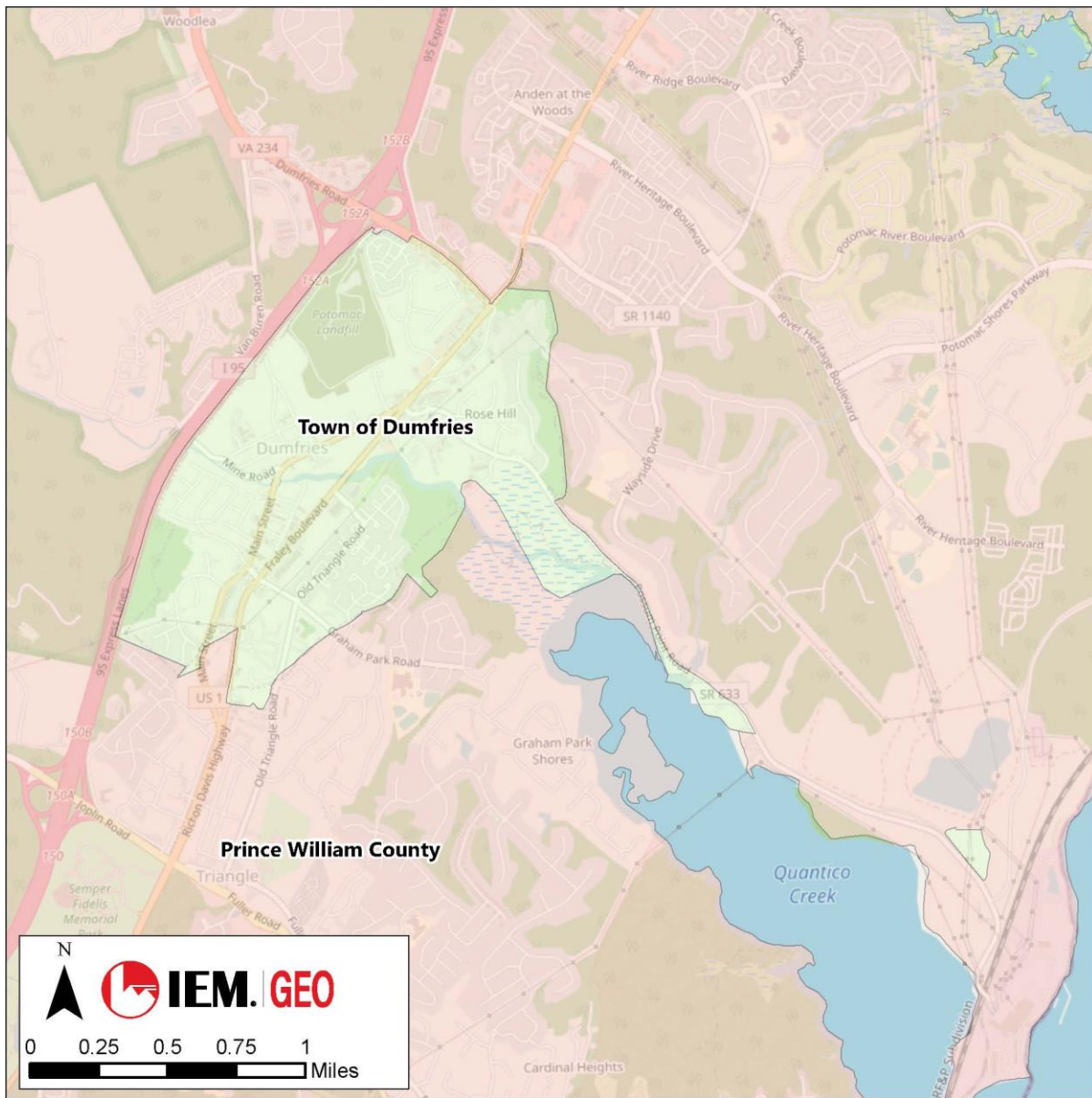








Table 1: Specific Jurisdictional Data

 ESTABLISHED	 LAND AREA	 2020 POPULATION	 GOVERNMENT ADDRESS	 HOUSEHOLDS	 MITIGATION FOCUS
1749	1.55 sq. mi.	5,679	17739 Main St, Suite 200, Dumfries, VA 22026	1,531	Flood/Flash Flood

## Town of Dumfries Risk Environment

The following is a snapshot of the details in this annex. The well-researched details form the basis of effective mitigation strategies to improve community resilience.

### *Hazard Event History*

National Centers for Environmental Information (NCEI), 1950–June 2021

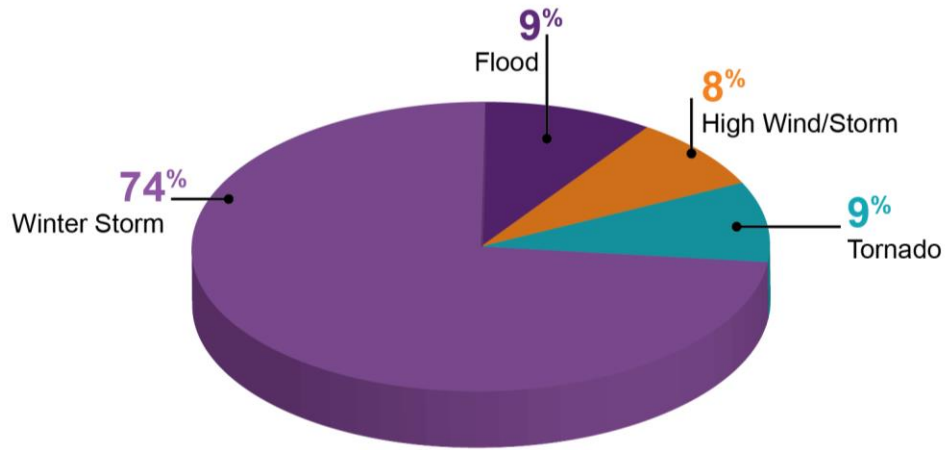


Figure 1: Percentage of Hazards

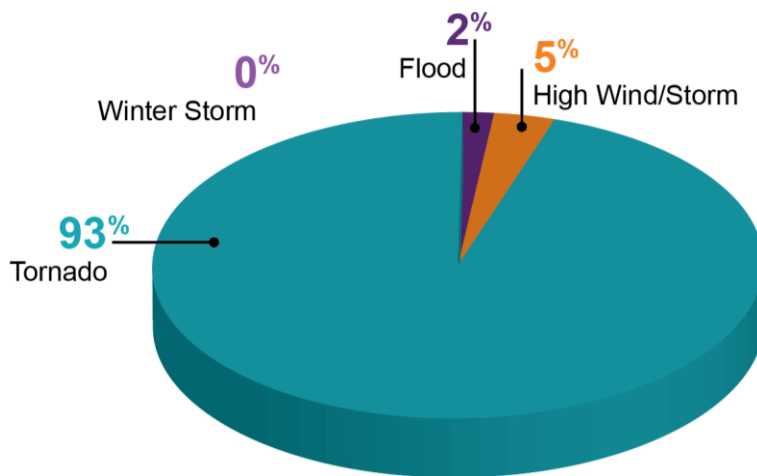


Figure 2: Property Damage Percentages from Natural Hazards

## Natural Hazard Risk Ranking

**Table 2: Ranking of Natural Hazards by Risk**

Hazard	Hazard Ranking
Winter Weather	High
Flood	High
High Wind/Severe Storm	High
Tornado	Medium
Earthquake	Medium
Drought	Medium
Extreme Temperatures	Medium
Dam Failure	Medium
Wildfire	Low
Landslide	Low
Karst/Sinkhole	Low

## Community Lifelines and Respective Critical Assets

**Table 3: Number of Critical Assets for Community Lifelines/Sectors**

Lifelines/Sectors	Number of Assets
Safety and Security	1
Food, Water and Shelter	0
Health and Medical	0
Energy	1
Communications	1
Transportation	5
Hazardous Materials	0
Education	10
Cultural/Historical	2
High Hazard Dams	2

A lifeline enables the continuous operation of government and business functions which are critical for human health, safety, or economic security. Lifelines are the most fundamental services for a community that, when stabilized, enable all other aspects of society to function. These lifelines are assets that may be a facility, infrastructure, operation, or entity.



Figure 3: Community Lifeline Components

### Community Lifelines Outlined

- **Safety and Security:** Law Enforcement/Security, Fire Service, Search and Rescue, Government Service, Community Safety
- **Food, Water, Shelter:** Food, Water, Shelter, Agriculture
- **Health and Medical:** Medical Care, Public Health, Patient Movement, Medical Supply Chain, Fatality Management
- **Energy:** Power Grid, Fuel
- **Communications:** Infrastructure, Responder Communications, Alerts Warnings and Messages, Finance, 911 and Dispatch
- **Transportation:** Highway/Roadway/Motor Vehicle, Mass Transit, Railway, Aviation, Maritime
- **Hazardous Materials:** Facilities, HAZMAT, Pollutants, Contaminants

## Mitigation Capabilities Summary

**Table 4: Capability Assessment Summary Ranking for Town of Dumfries**

Capability	Ranking
Planning and Regulatory	High
Safe Growth	High
Administrative and Technical	Moderate
Financial	Moderate
Education and Outreach	Moderate

## Hazard Mitigation Plan Points of Contact

**Table 5: Points of Contact Information**

Contact Type	Contact Information
Primary Point of Contact	Jonét Prévost-White, Director of Public Works Department of Public Works 703-221-3400 <a href="mailto:jwhite@dumfriesva.gov">jwhite@dumfriesva.gov</a> 17739 Main Street, Suite 200 Dumfries, VA 22026
Secondary Point of Contact	Katie Kitzmiller Prince William County 571-359-3501 <a href="mailto:kkitzmiller@pwcgov.org">kkitzmiller@pwcgov.org</a>

## Town of Dumfries

This annex presents the following jurisdiction-specific information provided by the Town of Dumfries for the 2022 update to the *Northern Virginia Hazard Mitigation Plan (NOVA HMP)*.

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# 1. Jurisdiction Profile

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<b>Established</b>	1749
<b>Total Land Area</b>	1.55 square miles
<b>Geographic Region</b>	Piedmont
<b>Persons Per Household</b>	3.47
<b>Persons Per Square Mile</b>	3,664
<b>Median Age</b>	24.7
<b>Elevations</b>	36 feet

## 1.1. Location

The Town of Dumfries is in Prince William County. The town is situated 70 miles north of the Commonwealth capital of Richmond. It is 30 miles south of central Washington, D.C. The eastern part of the town is along the Quantico River, which feeds into the Potomac River. This location results in the town being at a lower elevation than most jurisdictions in the planning area.

## 1.2. History

The Town of Dumfries began as early as 1690 when a gristmill on Quantico Creek was erected. The Town was formally established on 60 acres and named after the birthplace of founder John Graham, Dumfriesshire, Scotland. The Town received its charter on May 11, 1749, making it the oldest continuously chartered town in Virginia. Dumfries was the second leading port in Colonial America, receiving tobacco from the upland and rivaling New York, Philadelphia, and Boston. Due to numerous factors, Dumfries peaked in size and importance in 1763.<sup>1</sup>

## 1.3. Demographics, Economy, and Governance

**Table 6: Population and Growth Rate<sup>2</sup>**

Year	Population
1970	1,890
1980	3,214
1990	4,282
2000	4,934
2010	4,961
2020	5,679

<sup>1</sup> [https://www.dumfriesva.gov/residents/about\\_the\\_town/index.php](https://www.dumfriesva.gov/residents/about_the_town/index.php)

<sup>2</sup> [U.S. Census Bureau QuickFacts: Dumfries town, Virginia](#)

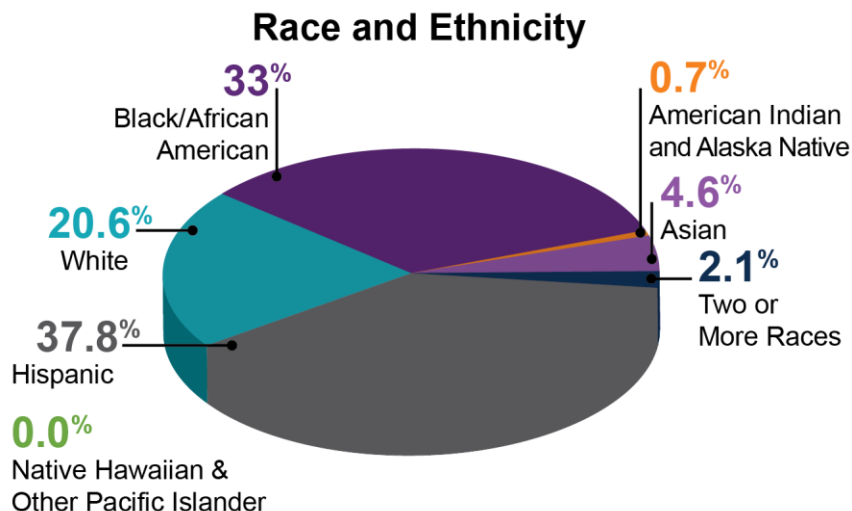


Figure 4: Race and Ethnicity Demographics

Table 7: Economic Data

Economy	Data
Median Household Income (2020)	\$68,438
Unemployment Rate (September 2021)	3.2%
Per Capital Income (2020)	\$25,892
Median House or Condo Market Value (2019)	\$214,800
Percentage Below Poverty (2020)	15.5%

The Town of Dumfries has a Council-Manager form of government with a seven-member Council, including the Mayor and Vice Mayor. The day-to-day management of the town is overseen by a Town Manager whose duty it is to implement the policies of the Mayor and Council.

### 1.4. Built Environment and Community Lifelines

The information related to Community Lifelines and critical assets in the Town of Dumfries presented in this section has been collected from multiple sources, including Hazus (Version 4.2) and government websites. Data extracted from the Hazus Level 1 assessment indicates that the town has an estimated 21 critical and historic assets. Due to the delay in collecting and verifying data and the method of documenting location and jurisdiction used in Hazus, this may not reflect the current inventory maintained by the Town of Dumfries.

The Town of Dumfries maintains a detailed list of community lifeline facilities, sites, and critical assets.

Table 8: Number of Assets per Community Lifeline/Sector

Sector	Number of Assets
Safety and Security	2

Sector	Number of Assets
Food, Water, Shelter	0
Health and Medical	0
Energy	1
Communications	1
Transportation	5
Hazardous Materials	0
Education	10
Cultural/ Historical	2
High Hazard Dams	0

### *1.4.1. Safety and Security*

There is one police station serving the Town of Dumfries. The fire and medical assistance comes from the county. One volunteer fire department is located in the town.

### *1.4.2. Food, Water, Shelter*

Food commodities are available throughout the town from public retail providers, wholesalers, and contracted services for specific institutions and facilities. Additional contracts may be entered into for post-disaster needs.

### *1.4.3. Health and Medical*

There are no medical facilities in the Town of Dumfries according to the Hazus information.

### *1.4.4. Energy*

The Dominion Possum Point power plant is located outside of the Town of Dumfries, although it has a Dumfries address, and it is a critical lifeline in the area. Due to the Dumfries address for the plant, Hazus believes it is in the town.

### *1.4.5. Communications*

There is one town-level broadcast facility listed in the Town of Dumfries, WPWC 1480. It is a Spanish Christian formatted broadcast radio station licensed to Dumfries-Triangle, Virginia. It serves southern Prince William County and western Charles County, Maryland. It is owned by JMK Communications.

Most communications and information systems and infrastructure in the United States are privately owned. In recent years, the federal government has taken a stronger role in protecting information and communications infrastructure, which may also present a challenge in relation to disaster impacts. Increasing reliance on this infrastructure by individuals, businesses, and government could cause vulnerabilities that emergency managers should take into consideration in pre- and post-incident planning and operations.

### *1.4.6. Transportation*

There are three highway bridges along the U.S. 1 in town: two over Quantico Creek and one over Cannonball Branch stream. The Town's western boarder runs along Interstate 95 (I-95) and there are two ports in the town at Possum Point and Atlantic Richfield. Highways are maintained by the Commonwealth.

### *1.4.7. Hazardous Materials*

There are no hazardous materials facilities/storage sites listed for the Town of Dumfries

### *1.4.8. Education*

The only public school within the Town limits is one elementary school.

### *1.4.9. Recreational, Cultural and Historic Sites, and Assets*

There are two historical buildings in the town, the Old Hotel and Weems-Botts House.

## **1.5. Growth and Development Trends**

According to the Dumfries Comprehensive Plan 2014 and Housing Analysis of 2020, population change is tied to the greater growth patterns of Prince Williams County and Northern Virginia.<sup>3</sup> The population rate of Dumfries has remained steady and slow over the last decade with an increase of growth and development predicted in the coming decade to match the surrounding communities. The increase in development is due partly to the housing affordability in Dumfries compared to the surrounding Northern Virginia communities. Most of the growth will continue to be in multi-family units.

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<sup>3</sup>[https://www.dumfriesva.gov/government/departments/planning\\_and\\_community\\_development/comprehensive\\_plan.php](https://www.dumfriesva.gov/government/departments/planning_and_community_development/comprehensive_plan.php)



## 2. Jurisdiction Planning Process

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For the 2022 NOVA HMP update, the Town of Dumfries followed the planning process described in [Section 2, Base Plan](#). In addition to providing representation to the Northern Virginia Hazard Mitigation Planning Group, the town supported the local planning process requirements by coordinating with representatives from other departments and agencies within its jurisdiction.

**Table 9: Local Planning Participants**

Name	Position/Title	Department/Agency
Jonét Prévost-White	Director of Public Works	Department of Public Works
Keith Rogers	Town Manager	Town Manager's Office

The jurisdiction identified its chief hazard mitigation planning responsibility as representing the town in coordination with the Prince William representative to the Emergency Manager's Planning Group. The town also identified the following tasks as part of its mitigation planning responsibilities:

- Jurisdictional planning committee
- Hazard risk and vulnerability assessment
- Provide technical data and hazard information
- Capabilities assessment
- Mitigation strategy development
- Sponsor mitigation actions
- Review plan drafts and provide input
- Public outreach activities
- Implementation of the plan
- Maintaining the plan

Town of Dumfries planning participants coordinated primarily by means of virtual meetings during the planning process, and as needed, independently to carry out planning activities completed through a series of worksheets that provided background information on the history of hazard events, hazard risks and vulnerabilities, capabilities, and past mitigation efforts. Additional planning process documentation of the Planning Group meetings is included in the [Base Plan, Appendix A](#).

### 2.1. Public Participation

Several opportunities for public involvement were provided during the planning process, including a [Public Hazard Survey](#), which was posted and advertised on the town's website: [Town of Dumfries, VA \(dumfriesva.gov\)](http://TownofDumfries.VA(dumfriesva.gov)).

In addition to the survey, the public was offered the opportunity to review and provide input to the draft 2022 plan update. Notification of the Draft Plan release was made through the same town web link. Documentation of the public survey and draft plan review is included in [Attachment 3](#) of this annex.

### 3. Jurisdiction-Specific Hazard Event History

The Town of Dumfries' comprehensive hazard history is generally combined with Prince William County's and described in [Sections 4 and 5, Base Plan](#).

The National Oceanic and Atmospheric Administration (NOAA) National Center for Environmental Information (NCEI) Storm Events Database includes 1,019 recorded natural meteorological events that took place in Prince William County between January 1, 1950, and May 2021. The county and its municipalities have been included in three Federal Disaster Declarations and emergencies between 2017 and May 2021.

**Table 10: Federal Disaster and Emergency Declarations (2017–2021), Prince William County**

Declaration	Date	Hazard	Assistance Type
DR-4512-VA	4/2/2020 (continuing)	COVID-19 Pandemic	Individual Assistance, Public Assistance
EM-3448-VA	3/13/2020 (continuing)	COVID-19 Pandemic	Public Assistance (Category B)
EM-3403-VA	9/11/2018	Hurricane Florence	Public Assistance (Category B)

Tables 18 and 19 in Annex 17 provide a summary of all high wind/severe storm and severe winter weather events that have occurred in Prince William County between 1950 and May 31, 2021.

The Town of Dumfries Planning Team highlighted two flooding events as significant hazards that have occurred since the 2017 plan.

**Table 11: Significant Hazard Events, Town of Dumfries (2017–2021)**

Date	Hazard	Event and Description
2018 (Estimated date)	Flooding	Flooding occurred on Main Street, impacting buildings and cars. It is likely that a similar event will occur in the future. No one on staff knows the exact date; however, they remember it occurring.
August 12, 2020	Flooding	Flooding occurred on Main Street, impacting town property and cars. Batestown Road was closed due to water. The flood inundated the parking lot of the town offices, but all cars were moved out of the lot before the flood. It is likely that a similar event will occur in the future.

## 4. Hazard Risk Ranking

After developing hazard profiles, the Town of Dumfries conducted a two-step quantitative risk assessment for each hazard that considered population vulnerability, geographic extent/location, probability of future occurrences, and potential impacts and consequences. The numerical scores for each category were totaled to obtain an Overall Risk Score, which is summarized as one of these risk and vulnerability classifications:

- **Low:** Two or more criteria fall in lower classifications or the event has a minimal impact on the planning area. This rating is sometimes used for hazards with a minimal or unknown record of occurrences or for hazards with minimal mitigation potential.
- **Medium:** The criteria fall mostly in the middle ranges of classifications and the event's impacts on the planning area are noticeable but not devastating. This rating is sometimes used for hazards with a high extent rating but very low probability rating. The potential damage is more isolated and less costly than a widespread disaster.
- **High:** The criteria consistently fall in the high classifications and the event is likely/highly likely to occur with severe strength over a significant to extensive portion of the planning area.

The two-step hazard risk ranking methodology is detailed in [Section 4, Base Plan](#). The Hazard Risk Ranking scores for the town are provided in [Attachment 2](#) of this annex.

The Overall Risk Score for each hazard served as the basis for determining whether a vulnerability assessment should be conducted. Natural hazard profiles are presented within the hazard sub-sections in [Section 5, Base Plan](#), and local detail is provided in the Jurisdiction Annexes. Non-natural hazard profiles are presented in [Volume II of the Base Plan](#).

**Table 12: Hazard Risk Ranking Summary: Natural Hazards**

Hazard	Total Probability Score	Total Consequence Score	Overall Risk Score	Hazard Ranking
Winter Weather	3.7	3.5	7.2	High
Flood	1.7	4.2	5.9	High
High Wind/Severe Storm	2.7	3.2	5.8	High
Tornado	1.3	4.3	5.6	Medium
Earthquake	2.3	3.2	5.5	Medium
Drought	2.3	3.2	5.5	Medium
Extreme Temperatures	3.0	2.5	5.5	Medium
Dam Failure	1.0	4.1	5.1	Medium
Wildfire	1.0	3.0	4.0	Low
Landslide	1.0	2.7	3.7	Low
Karst/Sinkhole	1.0	2.5	3.5	Low

**Table 13: Hazard Risk Ranking Summary: Non-Natural Hazards**

Hazard	Total Probability Score	Total Consequence Score	Overall Risk Score	Hazard Ranking
Infectious Disease/Public Health	3.0	5.8	8.8	High
Terrorism	1.0	6.4	7.4	High
Civil Unrest	1.3	5.2	6.5	High
Cyber Attack	2.0	4.7	6.7	Medium
Hazardous Materials	1.3	3.9	5.3	Medium
Communication Disruption	1.3	3.7	5.0	Low
Active Violence	1.0	3.6	4.6	Low

Based on the hazard risk scores, the Town of Dumfries evaluated the level of risk for 18 hazards: 11 natural and 7 non-natural.

Eight natural hazards were identified as high or medium risk hazards to which the jurisdiction is vulnerable:

- **High:** Winter weather, flood/flash flood, and high wind/severe storm
- **Medium:** Tornado, earthquake, drought, extreme temperatures, and dam failure

Five non-natural hazards were ranked as high or medium risk:

- **High:** Infectious disease/public health, terrorism, and civil unrest
- **Medium:** Cyberattack and hazardous materials

All other hazards are ranked as “low,” signifying a minimal risk to the Town of Dumfries.

## 4.1. Additional Hazard Risk Considerations

### 4.1.1. National Risk Index

The National Risk Index (NRI) is a dataset and online tool developed by FEMA and other partners to help illustrate communities in the United States at risk for 18 natural hazards.

Hazard risk is calculated on data for a single hazard type and reflects the relative risk for that hazard type and should be considered only as a baseline relative risk measurement for the purpose of a general comparison with the local hazard risk ranking in the Hazard Risk Ranking section of this annex.

In addition, some hazards are defined differently from the hazards in this plan, so a direct hazard-to-hazard comparison of risk is not able to be determined. The NRI is a county-level risk ranking, which includes the towns and is presented in [Annex 17: Prince William County, Section 4.1](#).

### 4.1.2. Non-Natural Hazards

**Volume II** of the *2022 Northern Virginia Hazard Mitigation Plan* addresses non-natural hazards identified by the Town of Dumfries.

## 5. Vulnerability Assessment

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The methodology for calculating loss estimates presented in this annex is the same as that described in [Section 4, Base Plan](#). Quantitative loss estimates are provided when available. Qualitative measurement considers hazard data and characteristics, including the potential impact and consequences based on past occurrences. Accompanying the data is a discussion of community assets potentially at risk during a hazard event.

The assets at risk were identified during the planning process as potential assets vulnerable to one or more hazards.

### 5.1. National Flood Insurance Program

The Town of Dumfries is a participant in the National Flood Insurance Program (NFIP).

**Table 14: NFIP Status<sup>4</sup>**

Init FHBM Identified	6/18/1976
Init FIRM Identified	5/15/1980
Current Effective Map Date	8/3/2015
Reg-Emer Date	5/15/1980
Digital Flood Insurance Rate Map (DFIRM)/(Q3)	DFIRM

**Table 15: NFIP Policy and Claims Status**

Policies In-Force	11
Premiums Paid	Unknown
Total Claims	
Total Payment	

Other hazard information for the Town of Dumfries is presented in the [Base Plan](#).

### 5.2. Population

Estimates of the number of residents in the Town of Dumfries vulnerable to each hazard are presented in the various hazard sections in the [Base Plan](#).

The Centers for Disease Control and Prevention's (CDC) Social Vulnerability Index (SVI) is a tool that can be used to identify specific vulnerable populations.

The Overall CDC SVI for Prince William County, including the Town of Dumfries is presented in [Annex 17: Prince William County](#).

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<sup>4</sup> FEMA NFIP Community Status Report, September 9, 2021



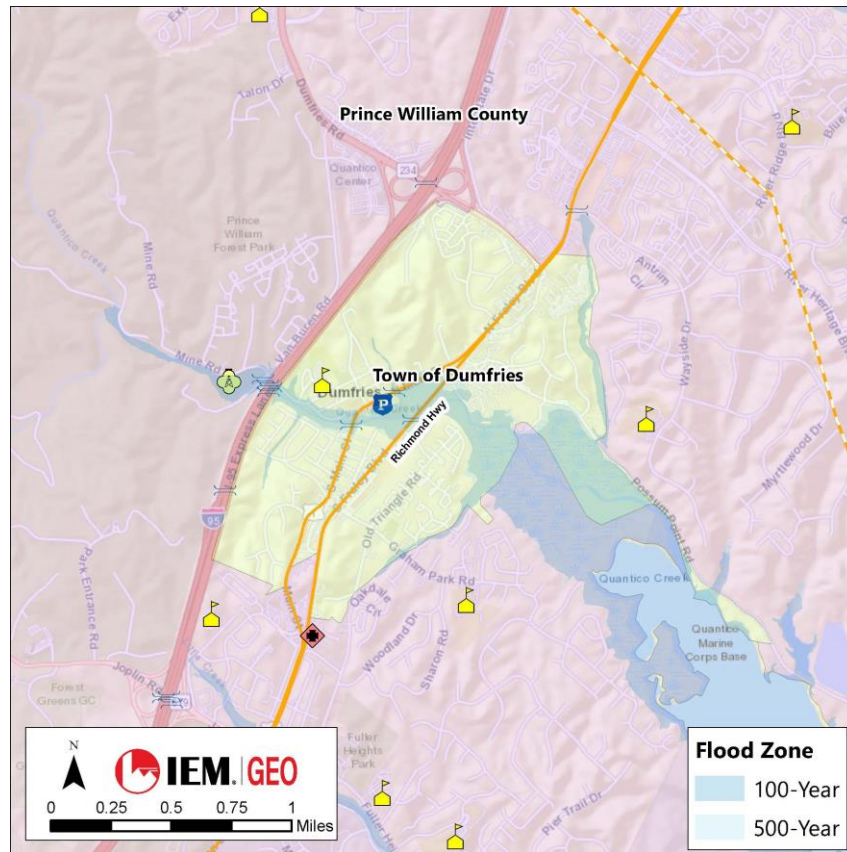
### 5.3. Built Environment and Community Lifelines and Assets

Using the best Hazus data available, scenarios were run at the county level for earthquake, flood, and hurricane wind to determine potential exposure of buildings, infrastructure, and economy. Information presented in **Annex 17: Prince William County** includes the Town of Dumfries.

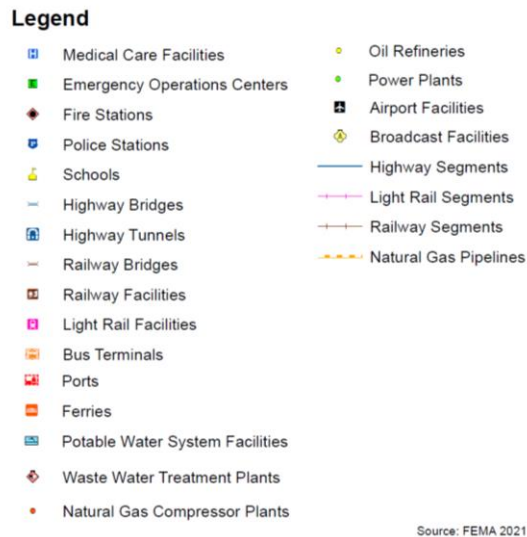
Vulnerabilities include structures, systems, resources, and other assets defined by the community as susceptible to damage and loss from hazard events. The vulnerability of critical infrastructure is presented within the lifeline sector categories identified by FEMA. In addition to the assets identified by Hazus, the Town Hall of Dumfries also lies partially within the floodplain.

**Table 16: Community Lifelines/Critical Facilities Exposed to FEMA Floodplains, Town of Dumfries**

Facility Type	Total Number	In 100-Year Floodplain	In 500-Year Floodplain
Highway Bridges	3	3	0



**Figure 5: Critical Facilities Exposed to FEMA Floodplain, Town of Dumfries**



**Figure 6: Map Legend of Figure 5 -- Critical Facilities Exposed to FEMA Floodplains, Town of Dumfries**

Overlaying the critical facilities in Dumfries on the mapped flood zones illustrate that the only facilities within the 100- or 500-year floodplains are highway bridges.

## 5.4. Environment

Information related to environmental vulnerability is presented in the hazard-specific sections of the **Base Plan**.

Garrison Park in the Town of Dumfries is within a FEMA mapped floodplain. Additional environmental community assets in the surrounding area of Prince William County include Neabsco Boardwalk on the Potomac Heritage National Scenic Trail and several public parks, which have the potential for flooding, severe weather, and hurricane impacts. Leesylvania State Park is susceptible to hazardous material incidents due to the presence of a natural gas pipeline in addition to natural impacts from flooding, severe weather, and hurricanes.

The county identified Featherstone National Wildlife Refuge and Occoquan Bay National Wildlife Refuge as a critical habitat due to their forests, meadows, marshes, and grasslands and the presence of many bird species.

## 5.5. Economy

Information related to economic vulnerability are presented in the hazard-specific sections of the **Base Plan**. Specific direct economic losses (in thousands of dollars) related to a 2,500-year 6.5 magnitude earthquake event are identified by Hazus for specific assets and presented in **Annex 17: Prince William County**.

## 5.6. Cultural/Historical

Information related to vulnerability of cultural and historical assets are presented in the hazard-specific sections of the **Base Plan**. There are two historical buildings in the town, the Old Hotel and Weems-Botts House.

Historic structures and sites are frequently more vulnerable to flood hazards due to the typical development of a city or town along waterways. Because removing historic structures from their original site affects their historical value, there are challenges to protecting these fragile sites.

## 6. Capability Assessment

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The Town of Dumfries reviewed its legislative and departmental capabilities to identify resources, strengths, and gaps for implementing hazard mitigation efforts. Using a Capabilities Assessment Worksheet, the community documented existing institutions, plans, policies, ordinances, programs, and resources that could be brought to bear on implementing the mitigation strategy. The capabilities in relation to hazard mitigation were assessed in the following categories:

- Planning and regulatory
  - Implementation of ordinances, policies, site plan reviews, local laws, state statutes, plans, and programs that relate to guiding and managing growth and development
- Administrative and technical
  - County, city, and town staff and their skills and tools that can be used for mitigation planning and to implement specific mitigation actions
- Safe growth
  - Use of community planning through comprehensive plans as hazard mitigation to increase community resilience
- Financial
  - Resources that a jurisdiction has access to or is eligible to use to fund mitigation actions
- Education and outreach
  - Programs and methods that could be used to implement mitigation activities and communicate hazard-related information

In addition to the Capabilities Assessment Worksheet, the town completed a Jurisdiction Needs Identification Questionnaire that summarized changes in and enhancements of capabilities since the last plan. This information is integrated into the summaries in this section.

### 6.1. Capability Assessment Summary Ranking and Gap Analysis

The jurisdiction ranked the level of capability in relation to each assessment category as a means of identifying where elements could be strengthened or enhanced. Capabilities were ranked on a qualitative basis as demonstrated by the jurisdiction's authorities, programs, plans, and/or resources:

- **Limited:** The jurisdiction is generally unable to implement most mitigation actions.
- **Low:** The jurisdiction has some capabilities and can implement few mitigation actions.
- **Moderate:** The jurisdiction has some capabilities, but improvement is needed in order to implement some mitigation actions.
- **High:** The jurisdiction has significant capabilities, as demonstrated by its authorities, programs, plans and/or resources, and it can implement most mitigation actions.

**Table 17: Capability Assessment Ranking Summary**

Capability	Ranking
Planning and Regulatory	Low
Administrative and Technical	Moderate
Safe Growth	Moderate
Financial	Moderate
Education and Outreach	Low

### *6.1.1. Planning and Regulatory Capabilities Summary*

The town is working toward utilizing an all-hazards approach when developing any jurisdictional plans and land use planning ordinances and building codes are an effective measure for reducing hazard impacts and are adequately administered and enforced.

#### **Capability Analysis: Low**

The town maintains a comprehensive plan and capital improvement plan. The comprehensive plan does not reference hazards and cannot currently be used to implement mitigation actions. The capital improvement plan has identified sustainability and infrastructure as a designated area of focus. Active projects in this plan include a Quantico Creek Stream Restoration project, widening of Route 1, and stormwater dry pond maintenance.

Town hall has been identified as a critical structure. The Town is planning to install a whole building generator so the Town can operate as an emergency command center if needed.

The town is in the process of creating a continuity of operations plan. They are also a member of the Prince William County local emergency operations plan.

Building codes and site plan review requirements are enforced and the town has a Building Code Effectiveness Grading Schedule of 4. Fire stations are managed by Prince William County.

Strong zoning, subdivision, floodplain, stormwater management, and erosion and sediment control ordinances reduce hazard impacts by protecting people and property.

To strengthen these capabilities, the town plans to update the floodplain ordinance and ensure all plans (comprehensive plans, codes and ordinances, etc.) are up to date and current according to local, state, and federal guidelines and regulations.

### *6.1.2. Administrative and Technical Capabilities Summary*

The town has a small staff, who are new to their positions. Staffing and personnel resources can be strengthened by increasing the number of staff available and provide hazard training for all staff on a regular basis.

Current town staff have effective coordination and are integrated into mitigation planning, including planners, public works leadership, and the town manager.



### **Capability Analysis: Moderate**

The Town of Dumfries has the staffing capability to provide for coordination for the purpose of mitigation planning and action implementation. The need for continuing funding for positions through general budget and grant opportunities and the need for ongoing education, training, and exercises offer areas for improvement.

#### *6.1.3. Safe Growth Capabilities Summary*

- Growth guidance instruments such as future land-use policies, regulations, and maps identify natural hazard areas such as floodplains and discourage or prohibit development or redevelopment within these areas.
- Environmental policies encourage appropriate development to protect ecosystems.
- Public safety plans and procedures address emergency evacuation and other safety measures associated with safe growth.
- The building code contains provisions to strengthen or elevate construction to withstand hazard forces.
- The zoning ordinance conform to the comprehensive plan in terms of discouraging development or redevelopment within natural hazard areas.

### **Capability Analysis: Moderate**

The Town of Dumfries has safe growth regulatory and enforcement capabilities to limit or prevent inappropriate development in identified hazard areas and protect the natural environment.

#### *6.1.4. Financial Capabilities Summary*

- The capital improvement plan could provide funding for mitigation project in the future but does not currently.
- The town has the authority to incur debt through general obligation bonds and/or special tax bonds, as well as fees for utility services and impact fees for new development.
- The town participates in multiple federal and state funding programs through various disciplines.

### **Capability Analysis: Moderate**

The town has access to and eligibility for multiple funding resources, including state and federal funding. These external funding sources have been used in the past for stream restoration, roadway project funding, and road improvements. More money can be used to improve traffic flow to get people out during emergencies. Additional funding streams could be used for a flood warning system and broadband to improve access to the internet and emergency information.

#### *6.1.5. Education and Outreach Capabilities Summary*

- Prince William County is designated as a StormReady community, which includes the town in components of public education and training. The town can also use the county emergency operations center for centralized information and equipment when needed.
- The town works with the Soil and Water Conservation District to help clean up streams and reduce flooding.

- The Department of Public Works distributes floodplain awareness information.

### Capability Analysis: Low

The town would like to increase public awareness through newsletters and local nonprofit organizations in reoccurring programs and outreach efforts. They would also like to increase collaboration with Prince William County Emergency Management in local outreach programs.

## 6.2. National Flood Insurance Program and Community Rating System

An additional component of the Capabilities Assessment was a survey of the jurisdiction's National Flood Insurance Program (NFIP) status.

**Table 18: NFIP Status, as of October 18, 2021<sup>5</sup>**

Category	NFIP Topic	Source of Information	Comments
Insurance	How many NFIP policies are in the community? What is the total premium and coverage?	State NFIP Coordinator or FEMA NFIP Specialist	
Insurance	Community Information System Database	11	
Insurance	How many claims have been paid in the community? What is the total amount of paid claims? How many of the claims were for substantial damage?	FEMA NFIP or Insurance Specialist	
Insurance	Community Information System Database	Unknown	
Staff Resources	Is the Community FPA or NFIP Coordinator certified?	Community FPA	Yes
Staff Resources	Is floodplain management an auxiliary function?	Community FPA	Unknown
Staff Resources	Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability).	Community FPA	Map assistance, permit review, public outreach, map revision records, and inspections.

<sup>5</sup> Source: Town of Dumfries Director of Public Works

Category	NFIP Topic	Source of Information	Comments
Staff Resources	What are the barriers to running an effective NFIP program in the community, if any?	Community FPA	No in-house GIS
Compliance History	Is the community in good standing with NFIP?	State NFIP Coordinator, FEMA NFIP Specialist, community records	Yes
Compliance History	Are there any outstanding compliance issues (i.e., current violations)?		No
Compliance History	When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?		Unknown

### 6.3. Capability Summary – Activities that Reduce Natural Hazard Risk or Impacts

As a component of the capability assessment, the Town of Dumfries identified activities related to each natural hazard that support risk reduction.

**Table 19: Capability Summary – Activities that Reduce Natural Hazard Risk or Impacts**

Hazard	Activity
Dam failure (including levees)	<ul style="list-style-type: none"> <li>Public education and operational plans address preparedness and response to reduce risk.</li> </ul>
Drought	<ul style="list-style-type: none"> <li>Public education and operational plans address preparedness and response to reduce risk.</li> <li>Land use and environmental policies acknowledge the importance of protecting the natural environment.</li> </ul>
Earthquake	<ul style="list-style-type: none"> <li>State and international building codes provide for seismic design regulations.</li> <li>Public education and operational plans address preparedness and response to reduce risk.</li> </ul>
Extreme temperature	<ul style="list-style-type: none"> <li>Public education and operational plans address preparedness and response to reduce risk.</li> </ul>
Flood/Flash flood	<ul style="list-style-type: none"> <li>Floodplain administration and regulations ensure that inappropriate activities and future development in the floodplain are prohibited.</li> <li>Stormwater management program and projects address flood prevention and risk reduction.</li> </ul>

Hazard	Activity
High wind/severe storm	<ul style="list-style-type: none"> <li>State and international building codes provide for wind load design regulations.</li> </ul>
Karst/Sinkhole/Land subsidence	<ul style="list-style-type: none"> <li>Land use and environmental policies acknowledge the importance of protecting the natural environment.</li> </ul>
Landslide	<ul style="list-style-type: none"> <li>Land use and environmental policies acknowledge the importance of protecting the natural environment.</li> </ul>
Tornado	<ul style="list-style-type: none"> <li>Public education and operational plans address preparedness and response to reduce risk.</li> </ul>
Wildfire	<ul style="list-style-type: none"> <li>Public education and operational plans address preparedness and response to reduce risk.</li> </ul>
Winter Weather	<ul style="list-style-type: none"> <li>Public education and operational plans address preparedness and response to reduce risk.</li> </ul>
Non-natural hazards	<ul style="list-style-type: none"> <li>Public education and operational plans address preparedness and response to reduce risk.</li> <li>Beginning with the 2022 NOVA HMP, hazard mitigation planning is being integrated into existing planning and risk reduction activities for technological and human-caused hazards.</li> </ul>
Climate change	<ul style="list-style-type: none"> <li>Ongoing resilience planning will allow for the identification and mitigation of climate change-related issues in future planning cycles.</li> </ul>

## 7. Resilience to Hazards

The National Risk Index (NRI) provides an overview of hazard risk, vulnerability, and resilience. The designation of “low risk” is driven by lower loss due to natural hazards, lower social vulnerability, and higher community resilience. The Town of Dumfries is included in the Prince William County NRI in [Annex 17: Prince William County](#).

### 7.1. New Hazard Risk Challenges or Obstacles to be Monitored in the Next Planning Cycle

The Town of Dumfries identified specific hazard challenges and obstacles to be monitored in the next planning cycle:

- The risk of cyber-related incidents on critical infrastructure and key resource sites
- Climate change

## 8. Mitigation Actions

### 8.1. Goals and Objectives

The Town of Dumfries Planning Team adopted the regional goal statement presented in [Section 8, Base Plan](#).

### 8.2. Status of Previous Actions

The Town of Dumfries monitors actions and tracks progress through the periodic review, evaluation, revision, and update of the NOVA HMP. Some projects that contribute to risk reduction have been completed or are currently in progress, but have not been included in this plan for one of the following reasons:

- Project funding has been approved, received, or identified, and additional resources are not needed to complete the project.
- The project scope is inconsistent with the hazard mitigation planning goals defined in this plan.
- The responsible department, agency, or organization maintains an internal tracking system that documents progress and resulting risk reduction.

**Table 20: Status of Previous Mitigation Actions, Town of Dumfries**

2017 Action Item #	Agency/Department Mitigation Action	Status
2017-1	Police Radios	Completed
2017-2	Public Safety Vehicle Replacement	Ongoing
2017-3	Possum Point Drainage Improvement	Unknown
2017-4	Dewey's Creek Stream Restoration	Unknown/ PWC Project
2017-5	Prince William Estates Drainage	Completed
2017-6	Orange Street Drainage	Unknown
2017-7	Quantico Creek Steam Restoration	Completed
2017-8	Tripoli Boulevard Stormwater Management	Partially completed

Three of the town's previous action items are completed, and one is partially completed. One action is ongoing. The status of three action items is unknown. Most of the town staff are new to their positions and the history of these projects is not fully known. It is possible that one action item, the Dewey's Creek Stream restoration, is a Prince William County item that was mistakenly placed on the town's action list in the 2017 HMP.

### 8.3. New Mitigation Actions

The Town of Dumfries Planning Team identified eight new mitigation actions to include in this plan. Proposed actions address risks consistent with the jurisdiction's highest risk hazards, flood/flash flood, and winter weather, in addition to actions that address hazard mitigation education programs for all hazards.

**Table 21: New Mitigation Actions, Town of Dumfries Summary**

2022 Action Item #	Agency/Department Mitigation Action
2022-1	Public outreach
2022-2	Community rating visit (CAV)
2022-3	Vehicle replacement
2022-4	Training
2022-5	Backup power to a critical facility
2022-6	Quantico Creek stream restoration phase 2
2022-7	Dry pond maintenance
2022-8	Provide broadband and free Wi-Fi to Dumfries residents

## 8.4. Action Plan for Implementation and Integration

The Town of Dumfries Public Works Department is responsible for coordinating municipal departments and agencies participating in hazard mitigation activities. The Public Works-designated Mitigation Coordinator is responsible for implementing the mitigation plan on two levels: implementation of the jurisdiction's actions and facilitating the implementation of the multi-jurisdictional regional plan. Tasks to ensure the town's actions are implemented are integrated into the *Action Plan for Implementation and Integration* (which includes the prioritized list of Mitigation Actions) and plan maintenance procedures are described in the next section. The *Action Plan for Implementation and Integration* describes how the town's hazard mitigation risk assessment and goals will be incorporated into its existing plans and procedures.

**Table 22: Action Plan for Implementation and Integration, Town of Dumfries**

Existing Plan or Procedure	Description of How Mitigation Will Be Incorporated or Integrated
Maintain regulatory requirements of the floodplain management program (NFIP).	Revise town ordinance to help maintain NFIP requirements.
Enhance floodplain management through Community Rating System (CRS)	Staff training on CRS and floodplains.
Continue public engagement in mitigation planning.	Public outreach within the town.
Identify opportunities for mitigation education and outreach.	Determine how the town's two newsletters, TV channel, and social media can be used for outreach.
Review/update emergency plans to address evacuation and sheltering.	Create a continuity of operations plan.



## 9. Annex Maintenance Procedures

The Point of Contact for the Northern Virginia Mitigation Planning Committee is the facilitator for the process to monitor, evaluate, and update the NOVA HMP and is responsible for initiating the annual activities, convening the Planning Committee, and providing follow-up reports to designated entities defined in the method and schedule for the plan maintenance process, as outlined in [Section 3, Base Plan](#). This process will involve representatives from all participating jurisdictions.

**Table 23: Town of Dumfries Plan Maintenance Responsibilities for the NOVA Hazard Mitigation Plan (Base Plan)**

Activity	Responsibilities
Monitoring the Plan	<ul style="list-style-type: none"> <li>• Represent the jurisdiction during the monitoring process.</li> <li>• Collect, analyze, and report data to Prince William County/NOVA Planning Group.</li> <li>• Maintain records and documentation of all jurisdictional monitoring activities.</li> <li>• Help disseminate reports to stakeholders and the public.</li> <li>• Promote the mitigation planning process with the public and solicit public input.</li> </ul>
Evaluating the Plan	<ul style="list-style-type: none"> <li>• Represent the jurisdiction during the evaluation process.</li> <li>• Collect and report data to the Prince William County/NOVA Planning Group.</li> <li>• Maintain records and documentation of all jurisdictional evaluation activities.</li> <li>• Help disseminate information and reports to stakeholders and the public.</li> </ul>
Updating the Plan	<ul style="list-style-type: none"> <li>• Represent the jurisdiction during the planning cycle, including plan review, revision, and updating.</li> <li>• Collect and report data to the Prince William County/NOVA Planning Group.</li> <li>• Maintain records and documentation of all reviews and revisions of the plan by the jurisdiction.</li> <li>• Help disseminate reports to stakeholders and the public.</li> </ul>

### 9.1. Maintenance of the Jurisdiction Annex

In addition to maintenance of the NOVA HMP Base Plan, the Town of Dumfries Mitigation Planning Coordinator will facilitate the method and schedule for maintaining the Jurisdiction Annex. The town's maintenance method and schedule may coincide with that of Prince William County and be conducted simultaneously.

#### 9.1.1. Plan Maintenance Schedule

- **Monitor:** Annually and/or following major disaster(s)
- **Evaluate:** Annually and/or following a major disaster(s)
- **Update:** Annual tasks over the five-year planning cycle; planning process in the fifth year

**Table 24: Town of Dumfries Jurisdiction Annex Maintenance Procedure**

Activity	Procedure and Schedule	Outcome
Monitoring the Annex	<ol style="list-style-type: none"> <li>Schedule the annual plan review with the jurisdiction planning team.</li> <li>Review the status of all mitigation actions, using the Mitigation Action Implementation Worksheet (<a href="#">NOVA HMP Base Plan, Section 3, Attachment A</a>).</li> </ol>	<ul style="list-style-type: none"> <li>Produce an annual report that includes the following: <ul style="list-style-type: none"> <li>Status update of all mitigation actions.</li> <li>Summary of any changes in hazard risk or vulnerabilities and capabilities.</li> <li>Summary of activities conducted for the Action Plan for Implementation and Integration.</li> </ul> </li> </ul>
Evaluating the Annex	<ol style="list-style-type: none"> <li>Schedule the annual plan evaluation with the jurisdiction planning team.</li> <li>Evaluate the current hazard risks and vulnerabilities, and hazard mitigation capabilities using the Planning Considerations Worksheet (<a href="#">NOVA HMP Base Plan, Section 3, Attachment A</a>).</li> </ol>	<ul style="list-style-type: none"> <li>Submit the annual report to the Prince William County/NOVA HMP Planning Group Point of Contact.</li> </ul>
Updating the Annex	<ol style="list-style-type: none"> <li>Coordinate with Prince William County and the Northern Virginia jurisdictions to identify the method and schedule for the five-year update of the NOVA HMP.</li> <li>Participate in the planning process.</li> <li>Provide input related to the plan components.</li> <li>Following FEMA Approvable Pending Adoption (APA) designation, adopt the updated plan.</li> </ol>	<ul style="list-style-type: none"> <li>Adoption of the FEMA-approved plan every five years will maintain the town's eligibility for federal post-disaster funding.</li> </ul>

Mitigation actions presented in the Town of Dumfries Jurisdiction Annex may be reviewed, revised, and updated at any time.

The Town of Dumfries will continue to be a planning partner with multiple jurisdictions and regional entities, including Prince William County, to identify hazard mitigation opportunities that reduce risk to the hazards identified in this plan.

## 10. Annex Adoption

The Town of Dumfries Jurisdiction Annex will be adopted simultaneously with the adoption of the *NOVA HMP* and the *Prince William County Annex*.

## 11. Attachments

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- Attachment 1: Adoption Resolution
- Attachment 2: Planning Worksheets and Documentation
- Attachment 3: Documentation of Public Participation
- Attachment 4: Mitigation Actions

## 11.1. Attachment 1: Adoption Resolution

[This page is a placeholder for the Adoption Resolution for this jurisdiction.]

## 11.2. Attachment 2: Planning Worksheets and Documentation

### *Capability Assessment*

**Jurisdiction:** Town of Dumfries

**Date:** 10/15/2021

**Participants:**

Name	Position/Title	Department/Agency
Jonét Prévost-White	Director of Public Works	Department of Public Works

### Planning and Regulatory

Planning and regulatory capabilities are the plans, policies, codes, and ordinances that prevent and reduce the impacts of hazards. Please indicate which of the following your jurisdiction has in place.

Plan	Yes or No? Year	Does the plan address natural and/or human-caused hazards?	Does the plan identify projects to include in the mitigation strategy?	Can the plan be used to implement mitigation actions?
Comprehensive/Master Plan - Town of Dumfries Comprehensive Plan, <a href="https://cms5.revize.com/revize/dumfriesva/Final%20Draft-Comprehensive%20Plan%202020.pdf">https://cms5.revize.com/revize/dumfriesva/Final%20Draft-Comprehensive%20Plan%202020.pdf</a>	Yes, 2014, Amended November 2020 Final Draft	<ul style="list-style-type: none"> <li>Town data portal - <a href="https://data.dumfriesva.gov/">https://data.dumfriesva.gov/</a></li> <li>Quick Facts - <a href="https://www.dumfriesva.gov/government/departments/planning_and_community_development/quick_facts.php">https://www.dumfriesva.gov/government/departments/planning_and_community_development/quick_facts.php</a></li> <li>Specific hazards not referenced</li> </ul>	Floodplains referenced, p. 25	Plan cannot be used for mitigation action. Does not address natural or human-caused hazards

Plan	Yes or No? Year	Does the plan address natural and/or human-caused hazards?	Does the plan identify projects to include in the mitigation strategy?	Can the plan be used to implement mitigation actions?
Capital Improvements Plan <a href="#">Town of Dumfries, VA (revize.com)</a>	Yes 2020–2024	<ul style="list-style-type: none"> <li>Designated area of focus: sustainability and infrastructure</li> <li>Active projects: <ul style="list-style-type: none"> <li>Quantico Creek Stream Restoration (p. 16)</li> <li>Route 1 Widening</li> <li>BMP Maintenance</li> </ul> </li> </ul>		
Economic Development Plan		Major employers listed <a href="https://www.dumfriesva.gov/government/departments/planning_and_community_development/employers.php">https://www.dumfriesva.gov/government/departments/planning_and_community_development/employers.php</a>		
Impact fees for new development	No			
Local Emergency Operations Plan	No	PWC includes the town in EOC Operations		
Continuity of Operations Plan	No	In progress		
Transportation Plan <a href="#">Dumfries approves plan to remake Main Street into urban village (potomaclocal.com)</a> <a href="#">Prince William, Dumfries Projects Receive \$110M In NVTAFunding   Woodbridge, VA Patch</a> Capital Improvement Plan- Route 1 widening: <a href="#">MetaViewer.php (granicus.com)</a> ; p. 7		No	No	No



Plan	Yes or No? Year	Does the plan address natural and/or human-caused hazards?	Does the plan identify projects to include in the mitigation strategy?	Can the plan be used to implement mitigation actions?
Stormwater Management Plan <a href="#">MetaViewer.php (granicus.com)</a>	No			
Community Wildfire Protection Plan	No			
Other special plans (e.g., brownfields redevelopment, disaster recovery, Local Waterfront Redevelopment Plan, climate change adaptation, etc.) Waterfront <a href="#">Waterfront Area Part of Dumfries' Economic Development Plan - Potomac Local News</a>  Development <a href="#">Local Development Plan (LDP2) (dumgal.gov.uk)</a>	No			

Building Code, Permitting, and Inspection	Yes or No?	Are codes adequately enforced?
Building Code Chapter 14 of Town Code: <a href="#">Chapter 14 - Buildings and Building Regulations   Code of Ordinances   Dumfries, VA   Municode Library</a>	Yes	Yes, Section 14.3: Building inspection department, which shall administer and enforce within the town the building code as stated in the Virginia Uniform Statewide Building Code (USBC)
Building Code Effectiveness Grading Schedule (BCEGS) Score	Yes, 2018	4
Fire Department ISO rating		Fire Stations managed by PWC
Site Plan review requirements Chapter 70, Article IV: <a href="#">Article IV. - Site Plan   Code of Ordinances   Dumfries, VA   Municode Library</a>	Yes	

Land Use Planning and Ordinances	Yes or No?	Is the ordinance an effective measure for reducing hazard impacts?	Is the ordinance adequately administered and enforced?
Zoning ordinance - Chapter 70, <a href="#">Mini TOC: Chapter 70 - Zoning   Code of Ordinances   Dumfries, VA   Municode Library</a>	Yes	No	Yes
Subdivision ordinance - Chapter 54 <a href="#">Chapter 54 - Subdivisions   Code of Ordinances   Dumfries, VA   Municode Library</a>	Yes	No	Yes
Floodplain ordinance - Chapter 54.6 Land Subject to Flooding, <a href="#">Chapter 54 - Subdivisions   Code of Ordinances   Dumfries, VA   Municode Library</a> Chapter 70, Division 9 – Floodplain Districts, <a href="#">Division 9. - Floodplain Districts FP-1   Code of Ordinances   Dumfries, VA   Municode Library</a>	Yes	Yes	Yes
Natural hazard-specific ordinance (stormwater, steep slope, wildfire) Stormwater management: Chapter 26, Article V: <a href="#">Chapter 26 - Environment   Code of Ordinances   Dumfries, VA   Municode Library</a> Erosion and sediment control: Chapter 26, Article IV: <a href="#">Article IV. - Erosion and Sediment Control   Code of Ordinances   Dumfries, VA   Municode Library</a>	Yes	Yes	Yes
Flood Insurance Rate Maps Preliminary FIS/FIRMs, <a href="http://cityofmanassaspark.us/city-services/planning-a-zoning/general-information/flood-insurance-study-fis-flood-insurance-rate-maps-firms.html">http://cityofmanassaspark.us/city-services/planning-a-zoning/general-information/flood-insurance-study-fis-flood-insurance-rate-maps-firms.html</a>	Yes	Town of Dumfries – Panels 0304F, 0308F, 0312F, 0316F	
Acquisition of land for open space and public recreation uses	No		
Other	No		
<b>How can these capabilities be expanded and improved to reduce risk?</b>			
Plans to update the floodplain ordinance. Ensure that all plans (Comprehensive Plans, Codes and Ordinances, etc.) are up to date and current according to local, state, and federal guidelines and regulations.			

### Administrative and Technical

Identify whether your community has the following administrative and technical capabilities. These include staff and their skills and tools that can be used for mitigation planning and to implement specific mitigation actions. If your jurisdiction does not have local staff resources, please indicate if these are available through agreement with other entities or at the county level to provide the services or technical assistance.

Staff/Personnel Resources	Have Capability Y/N	Department/ Agency and Position	Effective Coordination?	Adequate Staffing?	Integrated into Mitigation Planning?
A. Planner(s) or engineer(s) with knowledge of land development and land management practices	Y	Community Development	Yes	No	Yes
B. Engineer/professionals trained in construction practices related to buildings and/or infrastructure	Y	Public Work Director	Yes	No	Yes
C. Planners/Engineer(s) with an understanding of natural and/or manmade hazards	Y	Public Work Director	Yes	No	Yes
D. Floodplain manager	Y	Public Works	Yes	Yes	Yes
E. Surveyor(s)					
F. Staff with education or expertise to assess the community's vulnerability to hazards	Y	Public Work Director	Yes	No	Yes
G. Personnel skilled in GIS and/or Hazus	Y	FPM at EMI training			
H. Scientist familiar with hazards of the community	N				
I. Emergency manager	Y	Town Manager			
J. Grant writer(s)	N				
K. Warning systems or services (automated callout, sirens, etc.)	Y	Public Work Director	Y	No	No
<b>How can these capabilities be expanded and improved to reduce risk?</b>					
Need to increase staff and training for staff.					

## Safe Growth

This worksheet identifies potential gaps in your community's growth guidance instruments and improvements that could be made to reduce vulnerability to future development.

Comprehensive Plan	Yes	No
<b>Land Use</b>		
1. Does the future land-use map clearly identify natural hazard areas?		
2. Do the land-use policies discourage development or redevelopment within natural hazard areas?	X	
3. Does the plan provide adequate space for expected future growth in areas located outside natural hazard areas?	X	
<b>Transportation</b>		
1. Does the transportation plan limit access to hazard areas?	X	
2. Is transportation policy used to guide growth to safe locations?	X	
3. Are movement systems designed to function under disaster conditions (e.g., evacuation)?		X
<b>Environmental Management</b>		
1. Are environmental systems that protect development from hazards identified and mapped?		X
2. Do environmental policies maintain and restore protective ecosystems?	X	
3. Do environmental policies provide incentives to development that is located outside protective ecosystems?		
<b>Public Safety</b>		
1. Are the goals and policies of the comprehensive plan related to those of the FEMA-approved Local Hazard Mitigation Plan?	X	
2. Is safety explicitly included in the plan's growth and development policies?	X	
3. Does the monitoring and implementation section of the plan cover safe growth objectives?	X	

Comprehensive Plan	Yes	No
<b>Zoning Ordinance</b>		
1. Does the zoning ordinance conform to the comprehensive plan in terms of discouraging development or redevelopment within natural hazard areas?	X	
2. Does the ordinance contain natural hazard overlay zones that set conditions for land use within such zones?	X	
3. Do rezoning procedures recognize natural hazard areas as limits on zoning changes that allow greater intensity or density of use?	X	
4. Does the ordinance prohibit development within, or fining of, wetlands, floodways, and floodplains?		
<b>Subdivision Regulations</b>		
1. Do the subdivision regulations restrict the subdivision of land within or adjacent to natural hazard areas?		X
2. Do the regulations provide for conservation subdivisions or cluster subdivisions in order to conserve environmental resources?		X
3. Do the regulations allow density transfer where hazard areas exist?		X
<b>Capital Improvement Program and Infrastructure Policies</b>		
1. Does the capital improvement program limit expenditures on projects that would encourage development in areas vulnerable to natural hazards?		X
2. Do infrastructure policies limit extension of existing facilities and services that would encourage development in areas vulnerable to natural hazards?		X
3. Does the capital improvement program provide funding for hazard mitigation projects identified in the FEMA-approved Local Hazard Mitigation Plan?		X
<b>Other</b>		
1. Do small area or corridor plans recognize the need to avoid or mitigate natural hazards?		X
2. Does the building code contain provision to strengthen or elevate construction to withstand hazard forces?	X	
3. Do economic development or redevelopment strategies include provisions for mitigation of natural hazards?		X

Comprehensive Plan	Yes	No
4. Is there an adopted evacuation and shelter plan to deal with emergencies from natural hazards?		X



## Financial

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

Funding Resource	Access/ Eligibility (Y/N)	Has the funding resource been used in the past and for what type of activities?	Could the resource be used to fund future mitigation actions?
Capital improvements project funding	Y	Stormwater pond maintenance; stream restoration	Yes
Authority to levy taxes for specific purposes	Y	Unsure	
Fees for water, sewer, gas or electric services	Y	No	Yes
Impact fees for new development	Y		
Stormwater utility fee	Y	Stormwater fees	Yes
Incur debt through general obligation bonds and/or special tax bonds	Y	New building	Yes
Incur debt through private activities	N		
Community Development Block Grant	Y	Unsure	
Other federal funding programs	Y	UCI – roadway funding, NVTA – road improvement, VADCR - litter	Yes
State funding programs	Y	SLAF – stream restoration	Yes
Public/Private partnership funding sources	Y	Unsure	
<b>How can these capabilities be expanded and improved to reduce risk?</b>			
More money can be used to improve traffic flow to get people out during emergencies. Flood warning system, broadband to improve access to internet and emergency information			

## Education and Outreach

Identify education and outreach programs and methods already in place that could be used to implement mitigation activities and communicate hazard-related information.

Program/Organization	Yes/No	Describe program/organization and how it relates to disaster resilience and mitigation.	Could the program/organization help implement future mitigation activities?
Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc.	Yes	Soil and Water Conservation District – Stream cleanups reduce flooding. PWC EM – EOC for centralized information and equipment	
Ongoing public education or information program (e.g., responsible water use, fire safety, household preparedness, environmental education, household recycling, etc.)	Yes	Floodplain & Flooding Awareness – Department of Public Works, <a href="https://www.dumfriesva.gov/government/departments/public_works/flooding_floodplain_information.php">https://www.dumfriesva.gov/government/departments/public_works/flooding_floodplain_information.php</a>	
Natural disaster or safety related school programs	No		
StormReady certification	No	Participate with PWC	
Firewise Communities certification	No		
Public–private partnership initiatives addressing disaster-related issues	No		
Other			
<b>How can these capabilities be expanded and improved to reduce risk?</b>			
Increase public awareness through newsletters and local NPOs in reoccurring programs and outreach efforts. Increase collaboration with PWC EM in local outreach programs.			

*National Flood Insurance Program (NFIP) Survey Form***Jurisdiction:** Town of Dumfries**Floodplain/NFIP Administrator:****Phone:** 703-221-3400**Date:** 10/18/2021**Email:** jwhite@dumfriesva.gov**Jurisdiction Participants:** Jonét Prévost-White**SEE ACCOMPANYING FLOOD INSURANCE INFORMATION**

Please provide the information below to document your community's participation in and continued compliance with the NFIP, as well as to identify areas for improvement that could be potential mitigation actions. Indicate the source of information, if different from the one included.

Category	NFIP Topic	Source of Information	Comments
Insurance	How many NFIP policies are in the community? What is the total premium and coverage?	State NFIP Coordinator or FEMA NFIP Specialist	11
Insurance	How many claims have been paid in the community? What is the total amount of paid claims? How many of the claims were for substantial damage?	FEMA NFIP or Insurance Specialist	Unknown
Insurance	How many structures are exposed to flood risk within the community?	Community Floodplain Administrator (FPA)	100
Insurance	Describe any areas of flood risk with limited NFIP policy coverage	Community FPA and FEMA Insurance Specialist	
Staff Resources	Is the Community FPA or NFIP Coordinator certified?	Community FPA	Yes
Staff Resources	Is floodplain management an auxiliary function?	Community FPA	?
Staff Resources	Provide an explanation of NFIP administration services (e.g., permit review, GIS, education or outreach, inspections, engineering capability)	Community FPA	Map assistance, permit review, public outreach, map revision records, inspections

Category	NFIP Topic	Source of Information	Comments
Staff Resources	What are the barriers to running an effective NFIP program in the community, if any?	Community FPA	No in-house GIS
Compliance History	Is the community in good standing with NFIP?	State NFIP Coordinator, FEMA NFIP Specialist, community records	Yes
Compliance History	Are there any outstanding compliance issues (i.e., current violations)?		No
Compliance History	When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?	Director of Public Works	?

# 11.3. Attachment 3: Documentation of Public Participation

The screenshot shows the Town of Dumfries website. At the top left is the town's logo, a circular emblem with a ship and the text 'TOWN OF DUMFRIES'. The navigation menu includes 'Home', 'Government', 'Visitors', 'Business', and 'Residents'. There are also links for 'Text Size' and a chat icon. The main image is a photograph of a brick building with a red roof. Below the image, the breadcrumb trail reads 'Home > More News > Northern Virginia Hazard Mitigation Public Survey'. A prominent blue button labeled 'Related Pages' is on the left. The main content area features the title 'Northern Virginia Hazard Mitigation Public Survey' in large, bold black text. Below the title are logos for the Town of Dumfries and FEMA. The document content includes a heading 'We need your assistance!' followed by several paragraphs of text explaining the purpose of the survey and the importance of public participation in the hazard mitigation process.

Figure 7: Town of Dumfries NOVA Mitigation Public Survey

### 11.4. Attachment 4: Mitigation Actions

#	Agency/ Department Mitigation Action	Lead Agency/ Department/ Organization	Hazard Type	Funding Source	Target Completion Date	Interim Measure of Success	Priority	Comments
2017-1	Police Radios	Police Department	All Hazards	General Fund	Completed		Low	Improve communication with surrounding departments
2017-2	Public Safety Vehicle Replacement	Police Department	All Hazards	General Fund	2021	Purchase 1 vehicle in 2018	Low	Provide reliable transportation for police department
2017-5	Prince William Estates Drainage	Public Works	Flood	Stormwater Management Fees	2017		Medium	
2017-7	Quantico Creek Stream Restoration	Public Works	Flood	Stormwater Management Fees/ Grants	2021		High	Phase 1 completed. Phase II in design.
2017-8	Tripoli Boulevard Stormwater Management	Public Works	Flood	General Fund	2019		Medium	
2022-1	Public Outreach	Director (Dir.) of Public Works	All Hazards	General Fund	2023	2 Community meetings	Medium	Increase PO in all hazard areas. Create a new community center to improve outreach to citizens.
2022-2	Community Rating Visit (CAV)	Dir. of Public Works	Dam Failure, Flood, Severe Weather, Winter Weather	Stormwater Fees	2023	Schedule 1st CAV with FEMA Reg 3	Low	Prepare the Town for updates to the NFIP



#	Agency/ Department Mitigation Action	Lead Agency/ Department/ Organization	Hazard Type	Funding Source	Target Completion Date	Interim Measure of Success	Priority	Comments
2022-3	Vehicle Replacement	Dir. of Public Works	All Hazards	General Fund	2023	1 new police vehicle	High	Signed contract for 12 new vehicles
2022-4	Training	Dir. of Public Works	All Hazards	General Fund/Stormwater Fees	2024	2 annual staff trainings	Medium	Train staff on all-natural hazards
2022-5	Backup power to critical facility	Dir. of Public Works	All Hazards	General Fund	2024		High	Add a new generator to critical facility (Town Hall)
2022-6	Quantico Creek Stream Restoration Phase 2	Dir. of Public Works	Flood, High wind/Severe Weather	SLAF/CIP	2025	SLAF grant award	High	Design of Phase II started. Required to meet MS4 permit TMDL goals
2022-7	Dry Pond Maintenance	Dir. of Public Works	Drought, Extreme Temperatures, Flood, Winter Weather	CIP	2024	Engineered plans	High	Repair failing dry pond to decrease sediment deposition in Quantico Creek to maintain stream channel flood capacity
2022-8	Provide Broadband and free Wi-Fi to Dumfries residents	Dir. of Public Works	All Hazards	ARPA Funds	Complete	Signed IT contract	High	American Rescue Plan Act funds to localities