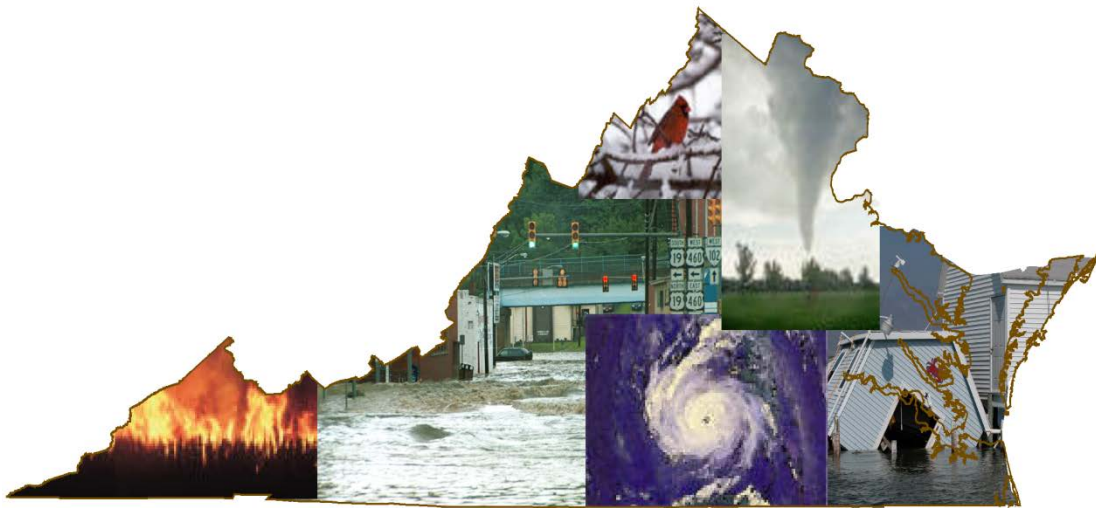


COMMONWEALTH OF VIRGINIA



Hazard Mitigation Plan



Chapter 3 Hazard Identification and Risk Assessment (HIRA)



Chapter 3: Hazard Identification and Risk Assessment (HIRA)

It is well known that many different types of natural hazards impact Virginia. The main task of this revision was to improve the hazard analysis using GIS to determine population vulnerability, population impact, geographic extent, deaths and injuries, crop and property damage, and overall risk. Sections 3.1 through 3.6 provide background information and data that was used in the HIRA. Section 3.5 fully explains how these criteria were developed and used with the best available data.

- Section 3.7 Flood
 - Hazard Rank = HIGH
- Section 3.8a Non-Rotational Wind
 - Hazard Rank = MEDIUM-HIGH
- Section 3.8b Tornado Wind
 - Hazard Rank = MEDIUM-HIGH
- Section 3.9 Winter Weather
 - Hazard Rank = MEDIUM-HIGH
- Section 3.10 Drought
 - Hazard Rank = MEDIUM
- Section 3.11 Wildfire
 - Hazard Rank = MEDIUM
- Section 3.12 Landslide
 - Hazard Rank = MEDIUM- LOW
- Section 3.13 Earthquake
 - Hazard Rank = MEDIUM- LOW
- Section 3.14 Land Subsidence (Karst)
 - Hazard Rank = LOW
- Section 3.15 Flooding Due to Impoundment Failure
 - Hazard Rank = LOW
- Section 3.16 Overall Hazard Results

Disaster Mitigation Act of 2000

§201.4(c)(2): Risk assessments that provide the factual basis for activities proposed in the strategy portion of the mitigation plan. Statewide risk assessments must characterize and analyze natural hazards and risks to provide a statewide overview. This overview will allow the State to compare potential losses throughout the State and to determine their priorities for implementing mitigation measures under the strategy, and to prioritize jurisdictions for receiving technical and financial support in developing more detailed local risk and vulnerability assessments.

The risk assessment shall include the following:

§201.4(c)(2)(i): An overview of the type and location of all natural hazards that can affect the State, including information on previous occurrences of hazard events, as well as the probability of future hazard events, using maps where appropriate;

§201.4(c)(2)(ii): An overview and analysis of the State's vulnerability to the hazards described in this paragraph (c)(2), based on estimates provided in local risk assessments as well as the State risk assessment. The State shall describe vulnerability in terms of the jurisdictions most threatened by the identified hazards, and most vulnerable to damage and loss associated with hazard events. State owned critical or operated facilities located in the identified hazard areas shall also be addressed;

§201.4(c)(2)(iii): An overview and analysis of potential losses to the identified vulnerable structures, based on estimates provided in local risk assessments as well as the State risk assessment. The State shall estimate the potential dollar losses to State owned or operated buildings, infrastructure, and critical facilities located in the identified hazard areas.

