



SECTION 5. HAZARD OVERVIEW

Section 4: Risk Assessment describes the process the State of West Virginia (the State) undertook to identify the hazards of concern for the 2023 State Hazard Mitigation Plan (SHMP). Sections 5.1 through 5.16 profile and assess the vulnerability and consequences of the following hazards (listed in alphabetical order, not in order of priority, consequence, or likelihood):

- 5.1 Dam Failure
- 5.2 Drought
- 5.3 Earthquake
- 5.4 Extreme Temperatures
- 5.5 Flood
- 5.6 Hazardous Materials
- 5.7 Landslide
- 5.8 Levee Failure
- 5.9 Pandemic
- 5.10 Radiological Incidents
- 5.11 Radon Exposure
- 5.12 Severe Storms
- 5.13 Subsidence
- 5.14 Utility Failure
- 5.15 Wildfire
- 5.16 Winter Weather

For each hazard, the profile includes the hazard description, its location, the range of extent of impacts, previous occurrences and losses, and the probability of future hazard events. The vulnerability assessment for each hazard examines potential losses to State assets, critical facilities and community lifelines, and the State's population. It also examines future changes and conditions that may impact vulnerability to the hazard. The consequence analysis for each hazard, in accordance with the Emergency Management Accreditation Program's (EMAP) *Emergency Management Standard* (Emergency Management Accreditation Program 2020), describes the hazard's impact to the public; responders; continuity of operations; property, facilities, and infrastructure; the environment; the economic condition of the State; and the public's confidence in the State's ability to govern.