

West Virginia Flood Resilience Framework

Risk Indicators

Hazard
(Flood Characteristics)

Frequency
Depth
Duration
Velocity
Rise/Fall

Exposure

Human

Physical

Vulnerability

Institutional

Social

Physical

Loss Model Estimates

Mitigation Measures

Mitigated Structures

Open Space Preservation (OSP)

Loss Avoidance

Building Value Recovery Studies

Areas of Mitigation Interest (AoMI)

NFIP/CRS Participation

Disaster Planning

Risk Communications

Community Engagement

Resilience Web-based Tools

Community Risk Indicators & Rankings

Mitigation Measures

Data Types:

Tables, Charts, Maps, Visualizations, Multimedia, External web links to other tools/resources

Product Outputs

Flood Visualizations

- Viewshed Flood Visualizations
- Structure-Level Visualizations
- Mitigated and Unmitigated Structures

Mitigation Assessment Tools

- Mitigation Maps (2D & 2.5D)
- Areas of Mitigation Interest

Narrated Graphics and Videos

Reports and Studies

- Risk Assessments (detailed or summarized)
- Research Papers
- Building Adaptability Studies
- Loss Avoidance Studies
- Best Practice Guides
- Post-Disaster Lessons Learned
- Disaster Planning Resources