Chickahominy Indian Tribe
Multi-Hazard Mitigation Plan
Tribal Workshop

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December 2, 2020
Virtual Workshop
• Please Chat in:
  – Your Full Name
  – Your position in the Tribe (e.g., Tribal Member)
  – Any expectations you have for this workshop
Chickahominy Indian Tribe

Tribal Hazard Mitigation Committee

– Lindsey Johnson, Deputy Tribal Administrator, Public Information Officer
– Dana Adkins, Tribal Environmental Director
– Rufus Elliott, Housing Program Manager
– Reggie Stewart, Second Assistant Chief
– Wayne Adkins, First Assistant Chief
– Stephen Adkins, Chief
Why Hazard Mitigation Planning

Disaster Mitigation Act of 2000, Interim Final Rule, 44 CFR Parts ϯϬϭ and ϮϬϲ states, “All communities must have an approved Multiple Hazards Mitigation Plan in order to qualify for future federal disaster mitigation grants.”

Reduction or elimination of long-term risk to life, property, and the environment.

Federal disaster mitigation grants.

Disaster Mitigation Act of 2000, Interim Final Rule, 44 CFR Parts 201 and 206 states, “All communities must have an approved Multiple Hazards Mitigation Plan in order to qualify for future federal disaster mitigation grants.”

Why Hazard Mitigation Planning
Mitigation Process

- Assess Risks
- Identify Projects/Actions
- Establish Goals
- Update/Maintain Plan
Assess Risks

Hazard Types

Natural Hazard:
Any event or physical condition originating from infrastructure failures that may cause loss of life, injury, property damage, social and economic disruption or environmental degradation.

Human-Caused Hazard:
Interruption of business, or other types of harm and/or loss, damage, infrastructure damage, and agricultural loss, damage to the environment, injuries, fatalities, and social and economic disruption.

Technological Hazard:
Any event or physical condition originating from intentional human actions that may cause loss of life, injury, property damage, social and economic disruption or environmental degradation.
Assess Risks

Natural Hazards

- Wind-related hazards
  - Hurricane
  - Tornado
  - High Wind

- Winter-related hazards
  - Winter Weather
  - Thunderstorm

- Flood-related hazards
  - Shoreline Erosion
  - Inland Flooding
  - Riverine Flood
  - Flash Flood

- Flood-related hazards
  - Winter-related hazards
  - Winter Weather
  - Thunderstorm

- Wind-related hazards
  - Hurricane
  - Tornado

Assess Risks...
Assess Risks

Natural Hazards

- Mass Evacuation-related hazards
- Mass Evacuation
- Wildfire
- Extreme Heat
- Drought
- Wildfire/Drought-related hazards
- Infectious Disease
- Communicable-related hazards
- Karst/Sinkhole
- Landslide
- Earthquake
- Geologic-related hazards
Assess Risks

Human-Caused Hazards

- Terrorism (Intentional)
- Biological
- WMD/Explosive
- Radiological/Nuclear
- Civil Disturbance
- Cyber
- Special/VIP Events
- Structure Collapse
- Dam Failure
- Mass Casualty Incident
- Fire
- Other (Accidental)
- Hazardous Material Release
- Biological Terrorism (Intentional)
Assess Risks

Technological Hazards

- Infrastructure/Utility Failure
- Water Supply
- Water Supply Contamination
- Shortage/Contamination
- Natural, Human-caused, and Technological hazards

**Emergency Operations Plan for Charles City County, Virginia, 2015**

- Natural hazards (majority)

**Richmond-Crater Hazard Mitigation Plan, 2017**

- Natural hazards

**Commonwealth of Virginia Hazard Mitigation Plan, March 2018**
Assess Risks

Natural Hazard Profiles

Wind-related hazards

- Hurricane: Significant
- Tornado: Significant
- High Wind: Limited
- Thunderstorm: Moderate

Winter-related hazards

- Winter Weather: Moderate
- Shoreline Erosion: Limited
- Inland Flooding: Limited
- Riverine Flood: Moderate
- Flash Flood: Significant

Flood-related hazards

- Flash Flood: Significant
- Riverine Flood: Moderate
- Inland Flooding: Limited
- Shoreline Erosion: Limited
- Winter Weather: Moderate
- High Wind: Limited
- Thunderstorm: Moderate
- Hurricane: Significant
- Flood-related hazards
Natural Hazard Profiles

Assess Risks

Assess Risks

Medium/Low

Infectious Disease: Limited

Communicable-related hazards

Karst/Sinkhole: Limited

Earthquake: Limited

Geologic-related hazards

Mass Evacuation: Limited

Mass Evacuation-related hazards

Wildfire: Limited

Wildfire-related hazards

Extreme Heat: Limited

Drought: Limited

Drought-related hazards
Assess Risks

Human-Caused Hazard Profiles

- Civil Disturbance: Limited
- Radiological/Nuclear: Moderate
- WMD/Explosive: Moderate
- Cyber: Limited
- Significant
- Hazardous Material Release:
- Biological: Limited
- Terrorism (Intentional)

- Special/VIP Events: Limited
- Structure Collapse: Moderate
- Dam Failure: Limited
- Mass Casualty Incident: Moderate
- Fire: Moderate
- Other (Accidental)
Assess Risks...
Technological Hazard Profiles

- Infrastructure/Utility Failure
  - Water Supply Shortage/Contamination: Moderate
- Economic Assets
- Tourist destinations
- Businesses/employers
- Social Assets
- Vulnerable populations
- Cultural locations

Assess Risks

Assess Assets
Assess Risks «

Assets «

Natural Resources
- Lifeline and utility systems
- Wetlands
- Conservation and recreation lands

Essential Buildings and Critical Facilities
- Tribal Government buildings
- Tribal Government facilities
- Hazardous facilities
- Roadways
- GIS Mapping

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- Hazardous facilities
- GIS Mapping
- Roadways
Mitigation Process

- Assess Risks
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Mitigation Process
Establish Goals

- Mitigation Goals
- Protect the Tribal health, safety and welfare.
- Reduce Tribal property damages caused by hazard impact.
- Minimize social distress and economic losses/business disruption.
- Provide an ongoing forum for the education and awareness of natural, human-caused, and technological hazard mitigation issues, programs, policies, projects and resources.
Mitigation Process

- Assess Risks
- Establish Goals
- Identify Projects/Actions
- Update/Maintain Plan
Establish Goals

- Mitigation Measures
- Planning and Prevention
- Natural Resource Protection
- Property Protection
- Structural Projects
- Emergency Services and
- Public Education and Awareness
Mitigation actions to be developed based on review of the Tribe’s identified risks and vulnerabilities to natural, human-caused, and technological hazards.

Each action incorporates a brief description of the intended action, who the responsible parties are, a proposed time frame for completion and potential funding sources.
Prioritization of Actions... STAPLEE Method

Identify Projects/Actions...

- Environmental... Will the action affect the natural environment?
- Economic... Is the action cost-effective?
- Technical... Is the action technically feasible and provide appropriate level of protection?
- Administrative... Does the Tribe have the capability to complete the action?
- Legal... Does the Tribe have the legal authority to complete the action?
- Political... Will the Tribe support or oppose the project?
- Social... Is the action socially acceptable?
Mitigation Process

1. Assess Risks
2. Establish Goals
3. Identify Projects/Actions
4. Update/Maintain Plan

Mitigation Process
Project Schedule

Draft available for comment – July 2021

Draft to FEMA – August 2021
Community Online Survey available at:

https://www.surveymonkey.com/r/ChickahominyIndianTribe
Questions and/or comments about the Chickahominy Indian Tribe Multi-Hazard Tribal Mitigation Plan, please contact:

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Thank You!