

Appendix I

**Identified Hazards
&
Mitigation Strategies
by
County**

	Barbour	Braxton	Gilmer	Lewis	Randolph	Tucker	Upshur	Total
Drought								
• Public Education	X	X			X	X		4
• Study and evaluate supply alternatives	X				X			2
• Develop emergency water supply protocol/procure tanker	X	X	X	X		X		5
• Coordinate water construction projects	X							1
• Improve current sources	X							1
• Develop a Water Conservation Plan		X		X	X	X		4
• Appoint a drought response officer					X	X		2
• Promote water-conserving devices					X	X		2
• Construct raw water impoundments/Other Backup Supplies		X			X			2
• Use native plants for landscaping						X		1
• Extend public infrastructure	X		X				X	3
Wildfires								
• Public Education		X	X	X			X	4
• Develop safety zones around structures					X	X		2
• Enhance relationships between local fire departments and U.S. Forest Service					X			1
• Regulate construction					X			1
• Use flame retardant construction materials					X	X		2
• Report wildfires immediately						X		1
• Improve ISO ratings							X	1
Wind/Tornados								
• Public education	X	X	X	X		X	X	6
• Develop debris management strategies	X							1
• Improve right of way maintenance of public utilities	X			X		X		3
• Monitor weather/early warning systems	X	X	X	X	X			5
• Map highest incidences of storms	X							1
• Underground electrical construction	X							1
• Encourage/legislate better building techniques	X			X				2
• Building codes		X			X			2
• Monitor NOAA Weather Radio for tornado watches					X	X		2
• Develop response plans					X	X		2
• Strengthen vulnerable spots in structures				X		X		2
• Identify critical facilities and ensure back-up power						X		1
CBRN								
• Public education		X		X	X			3
• Protect public water supplies			X					1
• Develop response plans				X	X			2
• Monitor suspected terrorist groups					X	X		2
• Maintain a working relationship with law enforcement					X	X		2
• Coordinate public media as to alert status					X			1
• Establish trauma centers					X			1
• Thoroughly investigate all threats of violence						X		1

	Barbour	Braxton	Gilmer	Lewis	Randolph	Tucker	Upshur	Total
Thunderstorms								
• Public education	X	X		X	X			4
• Develop debris management strategies			X					1
• Improve right of way maintenance of public utilities	X							1
• Monitor weather/early warning system	X	X	X	X	X		X	6
• Map highest incidences of storms	X							1
• Underground electrical construction	X							1
• Encourage better building techniques								0
• Install rain gauges			X				X	2
Earthquakes								
• Public education		X		X	X		X	4
• Better building techniques					X	X		2
• Review, update or enact building codes					X	X		2
• Develop response plans								0
• Expect aftershocks						X		1
• Upgrade public infrastructure								0
Hail								
• Public education		X					X	2
• Monitor weather/early warning		X	X	X	X			4
• Map highest incidences of storms								0
Land Subsidence								
• Public education						X		1
• Map at risk areas		X		X		X		3
• Promote insurance purchase						X		1
• Structural design/Building Permits/Storm Water Management		X		X		X		3
• Develop more effective response plans							X	1
Hazardous Materials								
• Public education		X		X	X			3
• Hazardous material inventory		X		X	X	X		4
• Develop hazardous material incident response/emergency action plans		X			X			2
• Create safe zone/shelters					X			1
• Map most likely transportation routes hazardous materials travel					X	X		2
• Determine most likely place for road accidents						X		1
• Develop containment plans and have on hand spill containment equipment						X		1
Landslides								
• Public education					X			1
• Regulated construction		X	X	X	X			4
• DEP Storm Water Permitting								0
• Forestry BMPS				X				1
• Map at risk areas								0
• Promote insurance purchases								0
• Response plans			X					1
Utility Failures								
• Develop back-up sources				X				1
• Inventory at risk people		X		X				2
• Develop a shelter network		X		X				2
• Inventory at risk power lines		X		X				2

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Dam Failures								
• Develop monitoring system		X		X				2
• Develop intra-county inventory of impoundments and their impact areas							X	1
• Inventory potential inter-county dam failure impact areas							X	1
• Develop response plans compatible with county emergency operation plans							X	1
Miscellaneous Hazards								
Hurricanes								
• Public education		X		X				2
• Early Warning System								0
Communications Failure								
• Develop monitoring system to keep open lines between EMS & communities		X		X				2
• Develop a HAM Operators network		X		X				2
Broad Scope Hazard Mitigation								
• Public education	X		X					2
• Prioritize mitigation projects	X							1
• Continue to pursue funding opportunities	X							1
• Active Hazard Mitigation Committee at county level	X							1
• Develop collaborative programs between real estate, insurance, public and private sectors	X							1
• Integrate a county plan with existing regulation and programs	X						X	2
• Link emergency services, hazard mitigation programs and public education	X							1
• Commodity study (hazardous materials inventory) and monitoring	X						X	2
• Explore funding sources	X							1
• Supply NOAA radios to critical facilities							X	1
• Install multi-tone alarms to different hazards in fire stations							X	1
• Reverse 911 system							X	1
• Coordinate with other agencies to strengthen mitigation efforts							X	1
• Determine types of hazardous materials being used by well service companies							X	1
Epidemics								
• Public education					X			1
• Public declaration if epidemic occurs					X			1
• Stockpile vaccinations and other health supplies					X			1
Infestation								
• Public education					X			1
Heat Wave								
• Public education								
Geological Hazards								
• Public education			X		X			2
• See earthquakes								
Radiological Hazards								
• Public education								0
• Known radon gas issues						X		1
• Emergency plan						X		1