

## Appendix B. Sonoma County Hazard Identification Matrix

<b>Natural Hazards</b>	<b>History</b>	<b>Frequency</b>	<b>Probability</b>	<b>Impact</b>	<b>Comments</b>
Avalanche	No	Low	Low	Low	Snow uncommon
Coastal Erosion	Yes	Low	Low	Low	On going process; Limited exposure
Coastal Storm	Yes	Low	Low	Low	Limited exposure
<b>Earthquake*</b>	<b>Yes</b>	<b>Low</b>	<b>High</b>	<b>High</b>	<b>Include in plan</b>
Expansive Soils	Yes	Low	Low	Low	Subset of landslide
Extreme Heat	No	Low	Low	Low	Short duration events
<b>Flood*</b>	<b>Yes</b>	<b>High</b>	<b>High</b>	<b>High</b>	<b>Include in plan</b>
Hailstorm	No	Low	Low	Low	Hail uncommon
Land Subsidence	Yes	Low	Low	Low	Subset of landslide/earthquake
<b>Landslide*</b>	<b>Yes</b>	<b>Medium</b>	<b>Medium</b>	<b>High</b>	<b>Include in plan</b>
Severe Winter Storm	Yes	Medium	Medium	Medium	Included in flood
Tornado	No	Low	Low	Low	Tornado uncommon
Tsunami	No	Low	Low	Low	Subset of earthquake
Volcano	No	Low	Low	Low	No active volcanoes
<b>Wildfire*</b>	<b>Yes</b>	<b>High</b>	<b>High</b>	<b>High</b>	<b>Include in plan</b>
Windstorm	No	Low	Low	Low	Only with winter storms
<b>Agricultural Hazards</b>					
Drought	Yes	Low	Low	Medium	Private sector economic loss
Freeze	Yes	Low	Low	Medium	Private sector economic loss
Pest	Yes	Medium	Medium	Medium	Sudden oak death; glassy winged sharpshooter
Salmon Fishing	Yes	Low	Low	Low	Private sector economic loss
<b>Technological Hazards</b>					
Dam Failure	No	Low	Low	Medium	No risk from large dams
Energy Shortage	Yes	Low	Low	Low	Industry/gov't controlled
Hazardous Materials	Yes	Medium	Low	Medium	Single incidents likely; Multiple as secondary hazard
Pandemic Influenza	Yes	Low	Unknown	Medium	Immunizations/public health
Radiological	No	Low	Low	Low	Primarily single incidents
Terrorism/Bioterrorism	No	Low	Unknown	Unknown	Secured Information
Transportation	Yes	Medium	Low	Low	Primarily single incidents

The list of hazards was compiled using the list of natural hazards included in the FEMA Mitigation Plan Review Crosswalk, hazards identified in the Sonoma County/Operational Area Disaster Response Plan, and historic disaster declarations.

*\*Hazards ranked as high for frequency, probability or impacts were selected for inclusion in the Sonoma County Hazard Mitigation Plan.*