

**Table ES-2 Sutter County Hazard Identification Assessment**

Hazard	Geographic Extent	Likelihood of Future Occurrences	Magnitude/Severity	Significance	Climate Change Influence
Aquatic Invasive Species	Limited	Highly Likely	Limited	Low	–
Climate Change	Extensive	Likely	Limited	Medium	
Dam Failure	Extensive	Occasional	Critical	High	Medium
Drought & Water shortage	Extensive	Likely	Limited	High	High
Earthquake	Extensive	Unlikely	Catastrophic	Medium	Low
Floods: 1%/0.5%/0.2% annual chance	Extensive	Likely	Critical	High	Medium
Floods: Localized Stormwater	Significant	Highly Likely	Limited	Medium	Medium
Levee Failure	Significant	Occasional	Catastrophic	High	Medium
Pandemic	Extensive	Likely	Critical	High	Medium
Severe Weather: Extreme Cold and Freeze	Extensive	Highly Likely	Limited	Medium	Medium
Severe Weather: Extreme Heat	Extensive	Highly Likely	Limited	Medium	High
Severe Weather: Heavy Rains and Storms	Extensive	Highly Likely	Limited	Medium	Medium
Wildfire	Significant	Highly Likely	Limited	Medium	High
<b>Geographic Extent</b> Limited: Less than 10% of planning area Significant: 10-50% of planning area Extensive: 50-100% of planning area	<b>Magnitude/Severity</b> Catastrophic—More than 50 percent of property severely damaged; shutdown of facilities for more than 30 days; and/or multiple deaths Critical—25-50 percent of property severely damaged; shutdown of facilities for at least two weeks; and/or injuries and/or illnesses result in permanent disability				
<b>Likelihood of Future Occurrences</b> Highly Likely: Near 100% chance of occurrence in next year, or happens every year. Likely: Between 10 and 100% chance of occurrence in next year, or has a recurrence interval of 10 years or less. Occasional: Between 1 and 10% chance of occurrence in the next year, or has a recurrence interval of 11 to 100 years. Unlikely: Less than 1% chance of occurrence in next 100 years, or has a recurrence interval of greater than every 100 years.	Limited—10-25 percent of property severely damaged; shutdown of facilities for more than a week; and/or injuries/illnesses treatable do not result in permanent disability Negligible—Less than 10 percent of property severely damaged, shutdown of facilities and services for less than 24 hours; and/or injuries/illnesses treatable with first aid				
	<b>Significance</b> Low: minimal potential impact Medium: moderate potential impact High: widespread potential impact				
	<b>Climate Change Influence</b> Low: minimal potential impact Medium: moderate potential impact High: widespread potential impact				