

**Table 15: Hazard Events Assessment**

Hazard Events	Hazard Type	Probability	Hazard Impacts
Rainstorm/Thunderstorm	Meteorological	Highly Likely	Erosion; Inundation; Wind; Hail; Lightning
Winter Storm	Meteorological	Likely	Snow; Ice; Wind
Landslide	Geological	Likely	Inundation; Erosion
Drought	Meteorological	Likely	
Tropical Storm/Hurricane	Meteorological	Occasionally	Erosion; Inundation; Wind
Ice Jam	Meteorological	Occasionally	Inundation; Erosion
Tornado	Meteorological	Occasionally	Hail; Wind
Wildfire	Meteorological	Occasionally	
Earthquake	Geological	Occasionally	

## Hazard Impacts

The Steering Committee ranked the natural hazard impacts associated with the events listed above. Table 16 presents that ranking, including the probability of occurrence and potential impact to infrastructure, life, economy and the environment. Table 17 details the hazard assessment ranking criteria.

**Table 16: 2018 Hazard Assessment**

Hazard Impacts	Probability	Potential Impact					Score*:
		Infrastructure	Life	Economy	Environment	Average:	
Fluvial Erosion	4	4	3	4	4	3.75	15
Inundation Flooding	4	4	3	4	2	3.25	13
Ice	3	3	3	3	2	2	8.25
Snow	4	1	3	2	1	1.75	7
Wind	4	2	2	1	1	1.5	6
Heat	3	1	3	2	2	2	6
Cold	3	1	3	2	2	2	6
Drought	3	1	2	2	3	2	6
Landslides	3	3	2	1	2	2	6
Wildfire	2	3	3	3	2	2.75	5.5
Earthquake	2	3	3	3	2	2.75	5.5
Invasive Species	2	1	1	2	3	1.75	3.5
Infectious Disease Outbreak	2	1	3	2	1	1.75	3.5
Hail	3	1	1	1	1	1	3

\*Score = Probability x Average Potential Impact

**Table 17: Hazard Assessment Ranking Criteria**

	<b>Frequency of Occurrence:</b> Probability of a plausibly significant event	<b>Potential Impact:</b> Severity and extent of damage and disruption to population, property, environment and the economy
1	Unlikely: <1% probability of occurrence per year	Negligible: isolated occurrences of minor property and environmental damage, potential for minor injuries, no to minimal economic disruption
2	Occasionally: 1–10% probability of occurrence per year, or at least one chance in next 100 years	Minor: isolated occurrences of moderate to severe property and environmental damage, potential for injuries, minor economic disruption
3	Likely: >10% but <75% probability per year, at least 1 chance in next 10 years	Moderate: severe property and environmental damage on a community scale, injuries or fatalities, short-term economic impact
4	Highly Likely: >75% probability in a year	Major: severe property and environmental damage on a community or regional scale, multiple injuries or fatalities, significant economic impact