

Element/Score	Definitions
Probability: Reflects the likelihood of the hazard occurring again in the future, considering both the hazard's historical occurrence and the projected likelihood of the hazard occurring in any given year	
1—Unlikely	Less than 10% probability in any given year (up to 1 in 10 chance of occurring), history of events is less than 10% likely or the event is unlikely but there is a possibility of its occurrence.
2—Occasional	Between 10% and 20% probability in any given year (up to 1 in 5 chance of occurring), history of events is greater than 10% but less than 20% or the event could possibly occur.
3—Likely	Between 20% and 33% probability in any given year (up to 1 in 3 chance of occurring), history of events is greater than 20% but less than 33% or the event is likely to occur.
4—Highly Likely	More than 33% probability in any given year (event has up to a 1 in 1 chance of occurring), history of events is greater than 33% likely or the event is highly likely to occur.
Magnitude / Severity: Assessment of severity in terms of injuries and fatalities, personal property, and infrastructure and the degree and extent with which the hazard affects the jurisdiction.	
1—Negligible	Less than 10% of property severely damaged, shutdown of facilities and services for less than 24 hours, and/or injuries /illnesses treatable with first aid.
2—Limited	10% to 25% of property severely damaged, shutdown of facilities and services for more than a week, and/or injuries/illnesses that do not result in permanent disability.
3—Critical	25% to 50% of property severely damaged, shutdown of facilities and services for at least 2 weeks, and/or injuries/illnesses that result in permanent disability.
4—Catastrophic	More than 50% of property severely damaged, shutdown of facilities and services for more than 30 days, and/or multiple deaths.
Warning Time: Rating of the potential amount of warning time that is available before the hazard occurs. This should be taken as an average warning time.	
1	More than 24 hours warning time
2	12 to 24 hours warning time
3	6 to 12 hours warning time
4	Minimal or no warning time (up to 6 hours warning)
Duration: A measure of the duration of time that the hazard will affect the jurisdiction.	
1	Less than 6 hours
2	Less than 1 day
3	Less than 1 week
4	More than one week

This is the preliminary hazard ranking for the **entire Polk County planning area**. If you have comments/changes for any of the ranking elements, please provide to Laurie Bestgen, with AMEC, by August 30, 2013.

Category	Hazard	Probability	Magnitude	Warning Time	Duration	Weighted Score	Level
Flood-related	Dam Failure*	1	3	4	4	2.35	Moderate
Flood-related	Flash Flood*	4	2	1	1	2.65	Moderate
Flood-related	Levee Failure*	2	3	4	4	2.80	Moderate
Flood-related	River Flooding	4	3	1	4	3.25	High
Severe Weather	Drought	3	2	1	4	2.50	Moderate
Severe Weather	Extreme Heat	2	2	1	3	1.95	Low
Severe Weather	Grass/Wildland Fire*	4	1	1	1	2.35	Moderate
Severe Weather	Thunderstorm/Lightning/Hail*	4	2	2	2	2.90	Moderate
Severe Weather	Tornado*	4	3	3	1	3.25	High
Severe Weather	Windstorm*	4	2	2	2	2.90	Moderate
Severe Weather	Winter Storm*	4	2	3	3	3.15	High
Geologic	Earthquake	1	1	4	1	1.45	Low
Geologic	Expansive Soils	2	1	1	1	1.45	Low
Geologic	Sinkholes/Landslide	1	1	2	1	1.15	Low
Accidental	HAZMAT Incident	4	1	4	1	2.80	Moderate
Accidental	Infrastructure Failure	2	2	4	4	2.50	Moderate
Accidental	Structural Fire*	4	2	4	1	3.10	High
Accidental	Transportation Incident	4	2	4	1	3.10	High
Disease	Animal/Plant/Crop Disease	1	2	1	4	1.60	Low
Disease	Human Disease	2	3	2	4	2.50	Moderate

Note: Bold and * denotes hazards included in 2009 Polk County Multi-jurisdictional Hazard mitigation Plan

Comments:

Submitted by: _____

Jurisdiction: _____