

Township of Georgian Bluffs Hazard Identification and Risk Assessment Ranking

Hazard	Frequency	Frequency Category	Consequence	Consequence Description	Changing Risk	RISK TOTAL <i>(Frequency x Consequence x Changing Risk)</i>	Level of Risk
Farm Animal Disease	Very Unlikely	2	2	Minor	1	4	Very Low
Food Contamination	Very Unlikely	2	3	Minor	1	6	Very Low
Plant Disease or Infestation	Very Unlikely	2	3	Minor	1	6	Very Low
Drought or Low Water	Unlikely	3	3	Minor	4	36	High
Earthquake	Rare	1	1	Minor	1	1	Very Low
Erosion	Probable	4	3	Minor	4	48	Very High
Extreme Cold	Likely	5	3	Minor	2	30	High
Extreme Heat	Likely	5	3	Minor	2	30	High
Flood	Probable	4	4	Minor	2	32	High
Fog	Probable	4	1	Minor	2	8	Very Low
High Wind	Probable	4	2	Minor	4	32	High
Landslide	Very Unlikely	2	1	Minor	1	2	Very Low
Lightning	Probable	4	1	Minor	4	16	Low
Thunderstorm	Probable	4	1	Minor	1	4	Very Low
Tornado	Probable	4	8	Moderate	4	128	Extreme
Wildland	Probable	4	3	Minor	1	12	Low
Winter Weather	Almost Certain	6	5	Slight	4	120	Extreme
Chemical	Probable	4	9	Severe	4	144	Extreme
Nuclear (Facility)	Very Unlikely	2	21	Catastrophic	4	168	Extreme
Oil or Natural Gas	Unlikely	3	9	Severe	4	108	Extreme
Water Quality	Very Unlikely	2	4	Minor	2	16	Low
Infectious Disease	Probable	4	6	Slight	4	96	Extreme
Substance Use & Overdose	Almost Certain	6	2	Minor	4	48	Very High
Active threat	Very Unlikely	2	3	Minor	1	6	Very Low
CBRNE	Very Unlikely	2	20	Catastrophic	2	80	Extreme
Civil Disorder	Very Unlikely	2	0		2		
Crowd Disaster	Rare	1	0		2		
Cyber Attack	Probable	4	3	Minor	4	48	Very High
Electromagnetic Pulse (EMP)	Very Unlikely	2	0		1		
Geopolitical Pressures	Rare	1	0		1		
Sabotage	Rare	1	5	Slight	1	5	Very Low
Building or Structure Failure	Very Unlikely	2	7	Moderate	2	28	Moderate
Fire/Explosion	Almost Certain	6	7	Moderate	4	168	Extreme
Communications Failure	Probable	4	3	Minor	4	48	Very High

Electrical Energy Failure	Unlikely	3	1	Minor	1	3
Food Shortage	Very Unlikely	2	1	Minor	2	4
Medical Drug, Blood Product or Supplies Shortage	Probable	4	1	Minor	4	16
Petroleum Product Shortage	Probable	4	1	Minor	2	8
Water or Wastewater Disruption	Probable	4	2	Minor	2	16
Aviation	Probable	4	4	Minor	1	16
Marine	Probable	4	5	Slight	1	20
Road and Highway	Almost Certain	6	6	Slight	4	144

Very Low
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Low
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Low
Low
Extreme