

Municipality of Brockton Hazard Identification and Risk Analysis 2018

Hazard Identification and Risk Assessment Ranking

To update the order of the ranking: CTRL+SHIFT+R

Hazard	Frequency	Frequency Category	Consequence	Consequence Description	Changing Risk	RISK TOTAL (Frequency x Consequence x Changing Risk)	Level of Risk
Tornado	4	Probable	6	Catastrophic	3	72	Extreme
Flood - Riverine	4	Probable	4	Minor	3	48	Very High
Cyber Attack	6	Almost Certain	2	Slight	3	36	High
Flood - Urban	4	Probable	3	Moderate	3	36	High
Explosion / Fire	3	Unlikely	6	Catastrophic	2	36	High
Hazardous Materials Incident / Spills - Transportation Incident	3	Unlikely	6	Catastrophic	2	36	High
Freezing Rain / Ice Storm	4	Probable	2	Slight	3	24	Moderate
Drought / Low Water	4	Probable	2	Slight	3	24	Moderate
Extreme Temperatures - Heat Wave	6	Almost Certain	1	Minor	3	18	Low
Energy Emergency (Supply)	6	Almost Certain	1	Minor	3	18	Low

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Flood - Storm Surge	3	Unlikely	2	Slight	3	18	Low
Human Health Emergency - Pandemic	4	Probable	2	Slight	2	16	Low
Hail	5	Likely	1	Minor	3	15	Low
Fog	6	Almost Certain	1	Minor	2	12	Low
Lightning	6	Almost Certain	1	Minor	2	12	Low
Windstorm	4	Probable	1	Minor	3	12	Low
Terrorism / CBRNE	1	Rare	6	Catastrophic	2	12	Low
Radiological Emergency	1	Rare	6	Catastrophic	2	12	Low
Transportation Emergency - Road	5	Likely	1	Minor	2	10	Very Low
Snowstorm / Blizzard	5	Likely	1	Minor	2	10	Very Low

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Extreme Temperatures - Cold Wave	5	Likely	1	Slight	2	10	Very Low
Farm Animal Disease	4	Probable	1	Minor	2	8	Very Low
Erosion	2	Very Unlikely	2	Slight	2	8	Very Low
Drinking Water Emergency	1	Rare	4	Severe	2	8	Very Low
Critical Infrastructure Failure	3	Unlikely	1	Minor	2	6	Very Low
Building / Structure Collapse	3	Unlikely	1	Minor	2	6	Very Low
Food Emergency	2	Very Unlikely	1	Minor	3	6	Very Low
Nuclear Facility Emergency	1	Rare	3	Moderate	2	6	Very Low
Hazardous Materials Incident / Spills - Fixed Site Incident	1	Rare	3	Moderate	2	6	Very Low
Plant Disease and Pest Infestation	2	Very Unlikely	1	Minor	2	4	Very Low

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Oil / Natural Gas Emergency	2	Very Unlikely	1	Minor	2	4	Very Low
Human Health Emergency - Epidemic	1	Rare	2	Slight	2	4	Very Low
Transportation Emergency - Air	1	Rare	2	Slight	2	4	Very Low
Earthquake	1	Rare	1	Minor	2	2	Very Low
Forest / Wildland Fire	1	Rare	1	Minor	2	2	Very Low
Geomagnetic Storm	1	Rare	1	Minor	2	2	Very Low
Hurricane	1	Rare	1	Minor	2	2	Very Low
Land Subsidence	1	Rare	1	Minor	2	2	Very Low
Landslide	1	Rare	1	Minor	2	2	Very Low
Natural Space Object Crash	1	Rare	1	Minor	2	2	Very Low

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Dam Failure	1	Rare	1	Minor	2	2	Very Low
Human-Made Space Object Crash	1	Rare	1	Minor	2	2	Very Low
Mine Emergency	1	Rare	1	Minor	2	2	Very Low
Special Event	1	Rare	1	Minor	2	2	Very Low
War & International Emergency	1	Rare	1	Minor	2	2	Very Low
Flood - Seiche	1	Rare	1	Minor	2	2	Very Low
Civil Disorder	1	Rare	1	FALSE	2	2	Very Low
Transportation Emergency - Marine	0	FALSE	1	FALSE	2	0	Very Low
Transportation Emergency - Rail	0	FALSE	1	FALSE	2	0	Very Low
Sabotage	0	FALSE	1	FALSE	2	0	Very Low