

# Heritage Preservation

*The National Institute for Conservation*

## RISK EVALUATION AND PLANNING PROGRAM

### Risk Prioritization Worksheet

HAZARDS	Likelihood of Occurrence (1-5)	multiplied by	Severity of Damage (1-5)	equals	Risk Rating	Comments
<b>1. EXTERIOR: Natural disasters</b>						
1a. earthquake	1	X	4	equals	4	
1b. flooding below ground level or below the water table	2	X	2	equals	4	
1c. flash flood	3	X	3	equals	9	
1d. hail	1	X	1	equals	1	
1e. heavy snow	1	X	1	equals	1	
1f. high winds	4	X	3	equals	12	
1g. hurricane	3	X	5	equals	15	
1h. ice	2	X	2	equals	4	
1i. land/mud slide	1	X	1	equals	1	
1j. lightning strike	5	X	3	equals	15	
1k. loss of water supply for firefighting	1	X	4	equals	4	
1l. major flooding	2	X	2	equals	4	
1m. minor flooding	4	X	2	equals	8	
1n. terrain fire	1	X	1	equals	1	
1o. tidal or other unusual water phenomena	3	X	5	equals	15	
1p. tornado	2	X	4	equals	8	

HAZARDS	Likelihood of Occurrence (1-5)	multiplied by	Severity of Damage (1-5)	equals	Risk Rating	Comments
1q. volcanic activity	1	X	1	equals	1	
1r. wind damage from flying debris	5	X	4	equals	20	
1s. wind damage from trees	5	X	4	equals	20	

HAZARDS	Likelihood of Occurrence (1-5)	multiplied by	Severity of Damage (1-5)	equals	Risk Rating	Comments
<b>2. EXTERIOR: Incidents in the surrounding community</b>						
2a. frequent or major interruption of utility services (power, gas, water, phone, cable)	3	X	3	equals	9	
2b. damages from a fire, explosion, or chemical spill at an adjacent or nearby facility:						
▪ airport	2	X	4	equals	8	
▪ hydroelectric power plant	1	X	1	equals	1	
▪ nuclear power plant	1	X	1	equals	1	
▪ power plant (other)	1	X	1	equals	1	
▪ industrial trucking route or hub	4	X	5	equals	20	
▪ industrial or chemical plant	4	X	4	equals	16	
▪ oil refinery	1	X	1	equals	1	
▪ mine	1	X	1	equals	1	
▪ military base	2	X	2	equals	4	
▪ harbor	2	X	5	equals	10	
▪ railroad line or station	2	X	5	equals	10	
2c. damages at an adjacent structure from a natural disaster	1	X	1	equals	1	
2d. loss of access to the building (whether by staff or emergency services) due to natural or man-made conditions	2	X	2	equals	4	
2e. dam failure	1	X	1	equals	1	
2f. vandalism	3	X	3	equals	9	
2g. terrorism	4	X	5	equals	20	
2h. civil disturbance	2	X	3	equals	6	

HAZARDS	Likelihood of Occurrence (1-5)	multiplied by	Severity of Damage (1-5)	equals	Risk Rating	Comments
2i. major highway within one mile distance	4	X	4	equals	16	
2j. other		X		equals	0	
2k. other		X		equals	0	