

QUOLLNET — 5×5 Risk Assessment Matrix

Risk Rating = Likelihood (1–5) × Severity (1–5). Verify thresholds against company HSE procedure or project requirements.

Likelihood Scale

Score	Level	Description
1	Rare	Almost impossible — unlikely to occur in career
2	Unlikely	Possible — has happened on similar projects
3	Possible	Reasonably likely — could occur sometime
4	Likely	Probable — expected to occur if no controls
5	Almost Certain	Near certain — will occur without controls

Severity Scale

Score	Level	Description
1	Negligible	Minor injury requiring first aid only; minimal environmental/property impact
2	Minor	Injury requiring medical treatment; reversible environmental/property impact
3	Moderate	Lost time injury (LTI); significant but reversible environmental damage
4	Major	Permanent disability or serious injury to multiple people; major environmental damage
5	Catastrophic	Fatality or multiple fatalities; irreversible environmental damage

Risk Rating Categories — Verify thresholds against company HSE procedure or project requirements

Low	1–4	Acceptable. Maintain and monitor existing controls.
Medium	5–9	Manage. Additional controls may be required. Supervisor monitoring.
High	10–16	Significant. Senior management attention. Must reduce before or during work.
Extreme	17–25	Stop Work. Unacceptable. Must reduce risk before proceeding. Escalate immediately.

5×5 Risk Matrix Grid (Likelihood × Severity)

		Likelihood →				
		1 Rare	2 Unlikely	3 Possible	4 Likely	5 Alm. Certain
Severity ↓	5 Catastrophic	5	10	15	20	25
	4 Major	4	8	12	16	20
	3 Moderate	3	6	9	12	15
	2 Minor	2	4	6	8	10
	1 Negligible	1	2	3	4	5