

# Risk Assessment

<b>Activity</b>	Twilight Visit
<b>Area</b>	Whole site
<b>Who is at risk</b>	Staff, Volunteers, public, visitors

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Hazard Identified	Likelihood (L,M,H)	Severity (L,M,H)	Risk (L,M,H)	Workplace precaution(s)	Requirements for risk control systems	Review Required If:
<b>Car Park in the dark</b> – slips, trips and falls	M	M	<b>H</b>	Rope off/fill in any holes Put outside light on		
<b>Walking around in the dark</b> - slips, trips and falls, drowning (Walls, uneven surfaces, steps, ramps, pond)	L	M	<b>M</b>	Red lights on walkways to domes white paint on edges of steps	Safety talk (no running etc) and familiarisation of where the pond is before it gets dark torches given to staff/volunteers	
<b>Narrow steps leading up to domes D, A, C</b> – slips trips and falls	L	L	<b>L</b>	Adequate lighting.	Verbal warning Avoid wet/muddy surfaces	
<b>Moving Equipment in domes in the dark</b> – head injuries (from telescope), falls (from moving dome roof)	L	L	<b>L</b>		Familiarisation of moving parts and their location before lights out Verbal warning before equipment or dome roof is moved Not too many people in the dome	See note below
<b>Electric Cables</b> – trip hazard	L	L	<b>L</b>	Rubber cable protector	Verbal warning	See note below
<b>Step ladders when viewing</b> - falls	L	M	<b>M</b>	Maintenance of step ladders	Staff presence at all times Red light torch to illuminate steps Verbal warnings	See note below
<b>Discovery Park</b> – see separate RA for discovery park. Unlit in the dark	L	L	<b>L</b>	Close off during hours of darkness	Safety talk Close metal gates at top of ramp Lock doors to geodesic domes	

**Notes on twilight visit and viewing:** To maintain dark adapted vision it is essential to use red lights and not over illuminate paths etc with white light. If the weather is unsuitable for viewing then white light can be used and the risks associated with dark areas and viewing activities is reduced.

<b>Likelihood:</b> The chance of the hazard or event actually occurring during the life of the exhibit.
High (H): Could happen frequently Medium (M): Could happen occasionally Low (L): Could happen, but only rarely

<b>Severity:</b> The extent of the harm (injury or ill health) should the hazard occur.
High (H): Irreversible injury Medium (M): Reversible injury requiring a week to recover Low (L): Negligable injury requiring First Aid

<b>Risk Rating:</b> Once the likelihood & severity have been determined, the risk is calculated as follows:			
	<b>Likelihood</b>		
<b>Severity</b>	<b>H</b>	<b>M</b>	<b>L</b>
<b>H</b>	High	High	Medium
<b>M</b>	High	High	Medium
<b>L</b>	Medium	Medium	Low

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### Description of activity

Visitors arrive at the centre in the late afternoon and stay until after dark in order to view through the telescopes (weather permitting). If the weather is unsuitable then the visitors are taken on a tour of all the telescopes.

A safety talk is given when the visitors arrive to include dangers when walking about the site in the dark. Staff and accompanying adults carry torches at all times.

The centre is open as usual (see separate RA for exhibits etc)

**Risk assessment is a simple process that must be applied to show that all identified risks have been eliminated or minimised to an acceptable level.**

Any risk identified during a regular review of the activity, its design development, any testing or prototyping, manufacture, Installation, operation, maintenance should be recorded on the risk assessment form. All actions taken should be recorded to illustrate that this risk has been reduced to a minimum.