

## Cheriton Treehouse - Mini Risk Assessment

### Relevant climate hazards

- Surface Water flooding
- Groundwater flooding
- Snowfall

### Climate risk to Cheriton Treehouse and its surroundings

Area	Internal Focus	External Focus
<b>Site and assets</b>	<b>How will the site and assets of my project be affected by the chosen extreme weather events?</b>	<b>How will the projects' surrounding environment be affected by the chosen weather events (consider secondary impacts access to your site or overflow surface water if a neighbouring site is hit)?</b>
	Flooding and snow will reduce access to the treehouse and may cause dampness.	Wildlife habitats could be destroyed by floodwater. The contaminated flood water could pollute the wildlife habitats in the pond. The silt and sediment could destroy PH of the soil, disrupting local ecosystems.
<b>Project activities</b>	<b>How will the key activities of my project be affected by the chosen weather events?</b>	<b>How will the weather events affect external activities that are important to my project performance (e.g. inputs necessary for your project to function or transport links connecting your project to the market)?</b>
	Reduced access by flooding or snowfall will make it difficult for guests to arrive. Flooding and snowfall could have an impact on guests' travel plans, making it more difficult for them to come. Flooding will discourage guests coming as it is not very appealing to stay in a treehouse surrounded by a flooded landscape.	Flooding and snowfall will affect travel and limit access to treehouses and surrounding towns and areas to visit. Flooding and snowfall could prevent guests participating in local activities, such as at The Newt because either access is limited or the events will be called off due to weather conditions.
<b>Impacts of the project on surrounding areas</b>	<b>Will the construction of the project make the project site more or less at risk to the chosen extreme weather events?</b>	<b>Will the construction of the project make the surrounding sites more or less vulnerable to the weather events? (For example, building on a green space could make the surroundings</b>

		<b>more likely to become urban heat islands and more prone to flooding)</b>
	<p>The construction of the treehouse is complete and there will be no further construction taking place to make the site more or less at risk to flooding or snowfall. The treehouse will have no impact on the site on which it is built in terms of increasing or reducing its risk to extreme weather events.</p>	<p>The treehouse was sustainably built, with all materials sourced locally and organically and all products inside the treehouse are sustainably sourced and eco-friendly. The only possible impact of the construction of the treehouse on the surrounding site would be the carbon emissions of the guests coming to and from the treehouse if they use petrol or diesel powered vehicles, however we are in the process of installing an electric charging point in the garage of the main property so as to encourage more eco-friendly travel. Essentially the construction of the treehouse will have a very minimal impact on the surrounding site and therefore it poses minimal risk to the environment and has little effect on making the surrounding site more or less vulnerable to weather events.</p>

RISK	CONSEQUENCE	LIKELIHOOD	IMPACT
Risk of damage to treehouse from flooding	<p>Reduced access            Cost of repair            Loss of productivity            Loss in clientele</p>	Low	High
Risk of damage to treehouse from snowfall	<p>Reduced access            Cost of repair            Loss of productivity            Loss in clientele</p>	Low	High

INTERNAL		EXTERNAL
Agency and dependencies on others	<p><b>What climate-related risks are we able to manage within the scope of my project?</b></p>	<p><b>What risks are the responsibility of other stakeholders? Who are they? How will they affect our project?</b></p>
	<p>Continue to source all products, (e.g. bed linen and cleaning supplies) sustainably and organically, use electric vehicles when possible or cycle or walk to local towns, minimise our use of plastic to reduce our carbon footprint and therefore climate change and risk of flooding and snowfall and the impact of these weather events on Cheriton Treehouse.</p>	<p>Employees: turn lights off when not using a room, limit use of water and electricity, separate waste, use electric vehicles, cycle or walk, etc.</p> <p>Guests: turn lights off when not using a room, limit use of water and electricity, separate waste, use electric vehicles, cycle or walk, etc.</p> <p>Suppliers: ensuring all the products that they supply to us are sustainable and eco-friendly.</p> <p>Local community: minimise carbon footprint by walking and cycling as much as possible, sourcing all food organically and locally, donating to environmental projects etc.</p> <p>National government: create and enforce laws that aim to reduce carbon emissions and help combat climate change.</p>
Actions	<p><b>What action can we take within my project to mitigate risks (this can be both built responses but also no/low regret measures such as maintenance, contingency plans and insurance)?</b></p>	<p><b>What action can we encourage external stakeholders to take to mitigate risks to your project/site? How can we ensure they are taken?</b></p>
	<ul style="list-style-type: none"> <li>- Source all materials sustainably</li> <li>- Limit use of water and electricity</li> <li>- Eat plant-based</li> <li>- Use organic products</li> </ul>	<ul style="list-style-type: none"> <li>- Source all materials sustainably</li> <li>- Limit use of water and electricity</li> <li>- Eat plant-based</li> <li>- Use organic products</li> </ul>

	- Use electric vehicles, cycle or walk where possible	- Use electric vehicles, cycle or walk where possible
<b>Effects of adaptation measures</b>	<b>Does our climate adaptation solution solve the problem or transfer the problem to another site?</b>	<b>Will a future off-site adaptation solution transfer a problem to our site?</b>
	Both. There are things that we can do, and do do, that reduce our carbon footprint and therefore mitigate the impact of extreme weather events, caused by climate change, on the treehouse. And there are also things that we need others to do in order to help combat climate change and therefore reduce risk to the treehouse from flooding or snowfall, e.g. our employees, the local community, the national government, the UN, and other countries can all live sustainably and put strategies in place to help combat climate change. Climate change is a global problem and so a concerted global response is required.	No.