

## Student Worksheet 2b

Sustainability theme	Impact		Comments on impact <i>(What is the specific impact on the particular sustainability theme? Give details.)</i>	Action required <i>(What action will help to reduce any negative impact or take advantage of any positive impact?)</i>
	Short-term	Long-term		
<b>A. Air quality</b> Air pollution? Greenhouse gas emissions?	None	None	The vehicles will emit fumes but the cumulative impact will be minimal as there won't be a substantial increase in number of vehicles exercising on the Plain.	Ongoing review and reduction of emissions as part of the broad MOD sustainable development strategy.
<b>B. Travel and transport</b> Extent of travel? Use of petrol and gas emissions from vehicles? Road congestion?	Negative	None	The number of vehicles exercising on the Plain will not increase substantially so there won't be any additional road congestion.  The delivery and loading of material to build the site could result in some additional congestion.	Restrict access points, identify delivery and loading points and limit driving on local roads to off-peak travel times.

## Student Worksheet 2c

Sustainability theme	Impact		Comments on impact ( <i>What is the specific impact on the particular sustainability theme? Give details.</i> )	Action required ( <i>What action will help to reduce any negative impact or take advantage of any positive impact?</i> )
	Short-term	Long-term		
<p><b>C. Energy and climate change</b></p> <p>Use of energy and non-renewable resources?</p> <p>Effect on climate change?</p>	None	None	<p>The amount of military vehicles used in training will not be increased.</p> <p>The construction itself will be built using renewable resources and will not require any power etc.</p> <p>Cumulative energy use and emissions will remain the same.</p>	Ensure continued efficient use of energy as part of the broad MOD sustainable development strategy.
<p><b>D. Noise and vibration</b></p> <p>Noise disturbance?</p> <p>Annoyance to people and wildlife?</p> <p>Stress to buildings and land caused by uncontrolled noise and vibration?</p>	Negative	None	<p>There may be increased noise pollution focused in the area. The cumulative noise pollution will remain the same.</p>	Manage exercises during times that cause least noise pollution to the local community.

## Student Worksheet 2d

Sustainability theme	Impact		Comments on impact <i>(What is the specific impact on the particular sustainability theme? Give details.)</i>	Action required <i>(What action will help to reduce any negative impact or take advantage of any positive impact?)</i>
	Short-term	Long-term		
<b>E. Water</b> Use of water? Risks of flooding? Water pollution?	None	None	The site will not use any additional water.	None
<b>F. Waste</b> Waste production? Facility or plans for reusing and recycling?	Negative	None	The creation of the site will produce some waste.  There could also be some additional missile waste in the focussed area but cumulatively it will remain the same.	Recycle or reuse the materials used to build the village.  Ensure sustainable disposal of the ISO containers following the training period.  Clear up after all exercises.

## Student Worksheet 2e

Sustainability theme	Impact		Comments on impact <i>(What is the specific impact on the particular sustainability theme? Give details.)</i>	Action required <i>(What action will help to reduce any negative impact or take advantage of any positive impact?)</i>
	Short-term	Long-term		
<p><b>G. Construction and building</b></p> <p>Expansion onto protected green areas?</p> <p>Sustainable buildings or constructions?</p> <p>E.g. features for energy saving and recycling?</p>	Negative	None	<p>The model village is being built on an SAC.</p> <p>The ISO containers are shells and do not require any energy.</p>	<p>See point I.</p> <p>Ensure the ISO containers are reused or recycled.</p>
<p><b>H. Soils</b></p> <p>Threats to soil extent, diversity or quality?</p>	Negative	None	<p>There will be removal of soil and vegetation to place the ISO on level ground.</p> <p>Vehicles and missiles in the area could result in some soil damage.</p>	<p>Restrict the amount of soil that can be excavated.</p> <p>Ensure the soil is managed and replaced when the containers are removed.</p> <p>Lay tracks to minimise the damage from vehicles.</p> <p>Restrict the training to areas of dense soil.</p>

## Student Worksheet 2f

Sustainability theme	Impact		Comments on impact ( <i>What is the specific impact on the particular sustainability theme? Give details.</i> )	Action required ( <i>What action will help to reduce any negative impact or take advantage of any positive impact?</i> )
	Short-term	Long-term		
<p><b>I. Biodiversity and nature conservation</b></p> <p>Threat to habitats and species? Conservation of wildlife?</p>	Negative	None	<p>The site is a Special Area of Conservation and includes fauna, flora and rare grassland species.</p> <p>The placement of ISO containers and training in the area could threaten these protected habitats</p>	<p>Complete a survey to identify if any habitats or species are located in the specific site area.</p> <p>Set up exclusion zones around any protected habitats.</p> <p>Employ a team of conservationists to ensure effective management of the area.</p> <p>Educate soldiers training in the area about environmental issues.</p> <p>Select access routes that avoid protected habitats and species.</p> <p>Restrict the number of ISO containers to minimise soil excavation and the direct destruction of habitats.</p> <p>Manage activity to avoid any key breeding times.</p>
<p><b>J. Historic Environment</b></p> <p>Threat to historic environment e.g. buildings or archaeology?</p>	None	None	<p>The archaeology on Salisbury Plain needs to be preserved.</p>	<p>Complete a survey to identify whether there are any threats to the archaeology in the area.</p>

## Student Worksheet 2g

Sustainability theme	Impact		Comments on impact ( <i>What is the specific impact on the particular sustainability theme? Give details.</i> )	Action required ( <i>What action will help to reduce any negative impact or take advantage of any positive impact?</i> )
	Short-term	Long-term		
<p><b>K. Landscape and townscape</b></p> <p>Threat to the character of landscapes and townscapes?</p>	Negative	None	<p>The model village will temporarily change the view and character of the landscape.</p>	<p>Ensure the village design is very minimal and natural.</p> <p>Deconstruct as soon as training requirement is over.</p>
<p><b>L. Health, safety and wellbeing</b></p> <p>Healthy, safe and secure environments for locals?</p> <p>Healthy, safe and secure for work?</p>	Positive	Positive	<p>The village provides a very realistic training environment for soldiers. There will always be health risks associated to their training but the village will help to prepare them for deployment to Iraq and could play a potentially life saving role.</p> <p>The locals will not have access to the village.</p>	<p>Educate soldiers about any potential risks associated to the construction itself.</p> <p>Restrict local access.</p>

## Student Worksheet 2h

Sustainability theme	Impact		Comments on impact <i>(What is the specific impact on the particular sustainability theme? Give details.)</i>	Action required <i>(What action will help to reduce any negative impact or take advantage of any positive impact?)</i>
	Short-term	Long-term		
<p><b>M. Communities and social values</b></p> <p>Impact on local communities?</p> <p>Disturbance or positive social impacts?</p>	Negative	None	The local community could have objections to the village due to the altered visual landscape and noise pollution.	<p>Educate locals about the long term and potentially life saving benefits.</p> <p>Survey attitudes and involve the local community.</p> <p>Restrict training times.</p> <p>Position as far away from the local village as feasible.</p>
<p><b>N. Infrastructure and amenities</b></p> <p>Are the welfare, cultural and recreational needs of military and civilian communities supported?</p>	Positive	Negative	The village is close enough to the local village to provide all the necessary amenities.	<p>Ensure that soldiers are educated about local amenities and that they do not cause any disruption or congestion of local services.</p>

## Student Worksheet 2i

Sustainability theme	Impact		Comments on impact ( <i>What is the specific impact on the particular sustainability theme? Give details.</i> )	Action required ( <i>What action will help to reduce any negative impact or take advantage of any positive impact?</i> )
	<i>Short-term</i>	<i>Long-term</i>		
<p><b>O. Economy and employment</b></p> <p>Effect on local economy? Employment opportunities?</p>	None	None	There will be no significant impact on the local economy or employment.	None
<p><b>P. Sustainable purchasing</b></p> <p>Will purchasing decisions have an impact on any social, environmental or economic issues?</p>	None	None	The costs and purchasing associated to the village will be minimal.	Purchase recycled ISO containers and goods to construct the village.

## 1. Development objective?

Outline the main objective of the development.

- Provide a realistic environment for soldiers to train for deployment to Iraq.

## 2. Negative impact?

Outline the negative impact that causes you greatest concern. Provide a justified reasons for your concern. Do you see this as a significant long term or short term impact?

- Noise pollution and disruption to the local community and visual landscape.
- Threat to flora, fauna and rare grassland species.

## 3. Positive impact?

Outline the positive impact which provides the greatest opportunity. Do you see this as a significant long term or short term impact?

- Improved health, safety and wellbeing of soldiers who are provided with a realistic training environment.

## 4. Conclusion

**Do you think the development should go ahead? If no, provide a justified reason for your answer and recommend how future proposals for the development could be changed to be more sustainable. If yes, provide recommendations to help ensure it is developed in a sustainable way.**

In summary, the proposed development will involve the excavation and removal of vegetation which could threaten the protected grassland and habitats of rare species. There may also be some disturbance to the local community. However, by following the proposed recommendations, the impact should be minimal and will be exceeded by the benefits gained from providing a realistic training environment for troops.

The development should go ahead with the following recommendations:

- Complete a field survey to ensure that there is minimal destruction to protected species in the area.
- Restrict the training and access areas, training times and the level of soil excavation.
- Raise awareness of the developments purpose to the local community.
- Employ conservationist to monitor and maintain the site.
- Educate soldiers about the environmental issues in the area.
- Ensure all resources are recycled or reused during and after the training period.