
13. Summary of Significant Residual Effects

13.1. Introduction

- 13.1.1. This Chapter summarises both the significant adverse and beneficial residual effects that have been identified in the assessment chapters (Chapters 7 to 11) of this Environmental Impact Assessment (EIA) Report. The tables below include the impacts identified during both construction and operation which remain significant after incorporation of the mitigation measures (where applicable) as provided within the assessment chapters. These mitigation measures are set out in Chapter 12: Schedule of Environmental Commitments.
- 13.1.2. The significant residual effects identified in this Chapter were assessed in line with the methodologies outlined in each assessment chapter. Significant residual effects typically comprise those that are within the moderate, large or very large categories. Residual effects that have not been assessed as significant are provided within each assessment chapter but have not been reproduced here.
- 13.1.3. It should be noted that there were no significant residual effects identified for the Geology, Soils and Groundwater assessment.

Table 13.1 - Chapter 7 Significant Residual Effects (Population and Human Health) – Construction

Receptor	Summary of Significant Residual Effects	Significance of Residual Effects
Users of the Old Military Road (OMR)	During the construction of the Proposed Scheme users of the OMR would be required to be convoyed through the construction area. This would result in a temporary impact to the amenity of the journey during the estimated one-year construction period of the OMR Improvements.	Moderate Adverse
Private Farm Holding (Farm Holding No.1)	A total, permanent loss of land equating to c.8.5ha (9.55% of the land holding).	Moderate Adverse
Private Farm Holding (Farm Holding No.1)	Severance issues for the farm owing to increased traffic utilising the OMR during the construction of improvements to the OMR.	Moderate Adverse

Table 13.2 - Chapter 7 Significant Residual Effects (Population and Human Health) – Operation

Receptor	Summary of Significant Residual Effects	Significance of Residual Effects
Private Farm Holding (Farm Holding No.1)	Anticipated operational access and viability issues as a result of new field boundaries and changes to OMR.	Moderate Adverse

Table 13.3 - Chapter 9 Significant Residual Effects (Landscape) – Construction

Receptor	Summary of Significant Residual Effects	Significance of Residual Effects
Upland Glen LCT No. 252 (LLTNP)	The extension of the existing HESCO barrier and the formation of new bund, the widening of part of the OMR and localised widening of some bends, updates to culverts and additional debris catch fences would be additional man-made elements.	Moderate adverse

Receptor	Summary of Significant Residual Effects	Significance of Residual Effects
Special Landscape Qualities (SLQs): <ul style="list-style-type: none"> • Famous through routes • Tranquillity 	There would be a direct effect on the OMR resulting from the work and an effect on <i>tranquillity</i> . The changes would include localised widening and the introduction of additional man-made elements (HESCO barrier extension, bund to the south of the existing HESCO barrier and upgrades to culverts). The OMR would be accessible in a convoy during any closure of the A83 for users, and the route would be experienced, as it is now, from elevated locations in varying proximity (some as represented by the Viewpoints, others experienced sequentially).	Moderate adverse

Table 13.4 - Chapter 10 Significant Residual Effects (Visual) – Construction

Receptor	Summary of Significant Residual Effects	Significance of Residual Effects
VP1 OMR	Representative of users of the OMR. Construction activity would result in a direct impact to the OMR. The formation of the extension to the HESCO barrier and the new bund would be visible in the fore to distant view.	Very large adverse

Receptor	Summary of Significant Residual Effects	Significance of Residual Effects
VP2 Forestry Path	Representative of walkers on the path. Construction activity would be visible from the forest path in the mid-distance. The formation of the extension to the HESCO barrier and the bund to the south of the existing HESCO barrier would be clearly visible. However, the construction activity would be experienced in the context of the existing ongoing interventions on the OMR and A83.	Moderate adverse
VP3 B828	Representative of users of the B828. Construction activity would be clearly visible with the extension to the HESCO barrier being evident.	Moderate adverse
VP4 Rest and Be Thankful	Representative of users of the car park and the Listed Stone and the OS mapped Viewpoint.. Construction activity would be at lower elevation in mid-distance views with works to install the HESCO barrier extension, culvert upgrades, bridge extension and localised widening of selected bends being visible.	Large adverse
VP5 Beinn an Lochain	Representative of walkers on waymarked trail. Construction activity would be noticeable, but at this distance and elevation.	Moderate adverse

Receptor	Summary of Significant Residual Effects	Significance of Residual Effects
VP6 Ben Donich	Representative of walkers on the trail within Loch Lomond and Trossachs National Park (LLTNP). Construction activity would be perceptible, though, at a lower elevation with works to install the HESCO barrier extension, culvert upgrades, bridge extension and localised widening of selected bends being visible.	Large adverse
SLQs: <ul style="list-style-type: none"> • Famous through routes 	There would be a direct effect on the OMR resulting from the work and an effect on <i>tranquillity</i> . The changes would include localised widening and the introduction of additional man-made elements in close proximity (HESCO barrier extension, bund to the south of the existing HESCO barrier and upgrades to culverts).	Large adverse

Table 13.5 - Chapter 10 Significant Residual Effects (Visual) – Operation

Receptor	Summary of Significant Residual Effects	Significance of Residual Effects
VP1 OMR	Representative of users of the OMR. The extension to the HESCO barrier and the new bund would be visible in the fore to distant view.	WY1: Moderate adverse SY15: Moderate adverse
VP4 Rest and Be Thankful	Representative of users of the car park and the Listed Stone and the OS mapped Viewpoint. The HESCO barrier extension, culvert upgrades, bridge extension and localised widening of selected bends will be visible.	WY1: Moderate adverse SY15: Moderate adverse

Receptor	Summary of Significant Residual Effects	Significance of Residual Effects
VP6 Ben Donich	Representative of walkers on the trail within Loch Lomond and Trossachs National Park (LLTNP). The HESCO barrier extension, culvert upgrades, bridge extension and localised widening of selected bends would be visible.	WY1: Moderate adverse SY15: Moderate adverse

Table 13.6 - Chapter 11 Significant Residual Effects (Cumulative Effect Interactions) – Construction

Receptor	Summary of Significant Residual Effects	Significance of Residual Effects
Private Farm Holding (Farm Holding No.1)	Significant cumulative effect due to land loss and severance issues for the farm and disruption to Upland Glens Landscape Character Type (LCT) and the Special Landscape Quality (SLQ) of tranquillity.	Significant
Users of the OMR	A significant cumulative effect due to amenity disruption (including visual amenity) and to the experience of SLQs to users of the OMR during the construction period.	Significant

Table 13.7 - Chapter 11 Significant Residual Effects (Cumulative Effect Interactions) – Operation

Receptor	Summary of Significant Residual Effects	Significance of Residual Effects
Private Farm Holding (Farm Holding No.1)	A Significant cumulative effect due to anticipated operational access and viability issues for the farm.	Significant