

21 Summary of Significant Residual Impacts

21.1 Introduction

- 21.1.1 Tables 21.1 to 21.5 summarise any residual impacts remaining after implementation of mitigation as set out in Chapter 20 (Schedule of Environmental Commitments) that would be considered significant in the context of the Environmental Impact (Scotland) Regulations (1999, as amended).
- 21.1.2 Non-significant residual impacts are not summarised in this chapter. Residual impacts summarised in this chapter are considered adverse, unless otherwise stated (note that significant community benefits are identified in Table 21.1, and significant noise benefits are identified in Table 21.4).
- 21.1.3 No significant (generally Moderate or greater significance) adverse residual impacts have been identified for the following environmental parameters:
- Geology, Contaminated Land and Groundwater (Chapter 8);
 - Road Drainage and the Water Environment (Chapter 9);
 - Ecology and Nature Conservation (Chapter 10);
 - Cultural Heritage (Chapter 13);
 - Air Quality (Chapter 14);
 - Materials (Chapter 17);
 - Policies and Plans (Chapter 18); or
 - Cumulative Impacts (Chapter 19).

A9 Dualling: Luncarty to Pass of Birnam
DMRB Stage 3 Environmental Statement
Chapter 21: Summary of Significant Residual Impacts

Table 21.1: Summary of Significant Residual Impacts – Community and Private Assets

Residual Impact	Mitigation Item (where applicable)	Residual Impact Significance
Residential Land and Property		
Acquisition and demolition of Ladner Cottage.	n/a	Substantial
Land reference 008: permanent loss of 0.55ha of land due to land-take requirements.	n/a	Moderate/Substantial
Land reference 097 (Glenordie Cottage): permanent loss of 0.08ha of land due to land-take requirements.	n/a	Moderate
Land reference 113 (Rosevale House): permanent loss of 0.40ha of land due to land-take requirements.	n/a	Moderate
Land reference 186 (Broompark Cottage): loss of 0.38ha of land due to land-take requirements.	n/a	Moderate
Land reference 190 (site for advertising hoarding): permanent loss of 0.01ha of land due to land-take requirements.	n/a	Moderate
Loak and Loakmill: Direct impact for residents due to loss of direct access to the A9. This would lead to an increased in journey length of 1.7km.	n/a	Substantial
Gelly: Change to access route to/from property resulting in an increased in journey length of ~5km.	n/a	Substantial
Community Impacts and Wider Area Socio-economic Impacts		
Increased employment during construction. Improved safety and travel times for locals and users of the A9 during operation.	n/a	Moderate Beneficial
Agricultural, Sporting and Forestry Interests		
Land reference 110 (Newmill Farm): Permanent loss of 17.54ha in 16 fields, all of which is LCA Class 3.2. Equates to 13% of farmed area. Loss of boundary fencing and disruption to drainage and access.	CP1, CP3, CP4, CP5, CP6, CP7, CP8, CP9, CP10, CP11, CP15.	Substantial
Land references 095 (Northleys) and 107 (Gellybanks): Permanent loss of 6.73ha in 7 fields. Of this 2.63ha is LCA Class 3.1 land and 4.10ha is LCA Class 3.2. Land lost equates to 6% of farmed area. Loss of boundary fencing and disruption to drainage and access. Main farm access to/from A9 lost and steading and farmland severed.	CP1, CP3, CP4, CP5, CP6, CP7, CP8, CP9, CP10, CP11, CP12, CP13, CP15*	Moderate/Substantial *
Land reference 120 (Westwood Farm): Permanent loss of 7.20ha of LCA Class 3.2 in 7 fields. Equates to 6% of farmed area. Loss of boundary fencing and disruption to drainage and access.	CP1, CP3, CP4, CP5, CP6, CP7, CP8, CP9, CP10, CP11.	Moderate/Substantial

Note: * CP15: Potential to return 2.85ha of land subject to CPO for flood compensatory storage to agriculture. If so, the significance of residual impact would reduce to not significant (Slight/Moderate).

A9 Dualling: Luncarty to Pass of Birnam
DMRB Stage 3 Environmental Statement
Chapter 21: Summary of Significant Residual Impacts

Table 21.2: Summary of Significant Residual Impacts – Landscape

Residual Impact (Direct Impact unless otherwise stated) <i>Note: WYO = Winter Year of Opening</i>	Mitigation Item (where applicable)	Residual Impact Significance
Open Farmland LCT – Bankfoot LLCA (WYO)		
<ul style="list-style-type: none"> • Widening of existing road corridor; • Loss of woodland due to introduction of Pittlandie overbridge; • Introduction of significant earthworks, overbridge, loss of woodland and loss of farmland due to realignment of Tullybelton/Stanley Junction. These more significant impacts would be localised to the area of the new junction; • Loss of farmland, mature deciduous trees, and demolition of dwelling at Ladner due to Luncarty link road alignment; • Introduction of Coltrannie overbridge; and • Loss of established roadside trees at Broompark due to new cutting. 	L1, L2, L12, L14	Moderate (WYO)

Table 21.3: Summary of Significant Residual Impacts – Visual

Residual Impact <i>Note: WYO = Winter Year of Opening</i>	Mitigation Item (where applicable)	Residual Impact Significance
Built Receptors with Changes to Views		
Marlehall Farm Receptor 7	V1, V2	Moderate (WYO)
Newmill Cottages, Receptor 21	V1, V2	Moderate (WYO)
Newmill Farm, Receptor 23	V1, V2	Moderate (WYO)

Table 21.4: Summary of Significant Residual Impacts – Noise and Vibration

Residual Impact	Mitigation Item (where applicable)	Residual Impact Significance
Eighty five dwellings and two other sensitive receptors will experience moderate noise benefits with twenty two dwellings and one other sensitive receptor experiencing major noise benefits in the short-term with the scheme in place.	n/a	Moderate to Major Benefit

Table 21.5: Summary of Significant Residual Impacts – Effects on All Travellers

Residual Impact	Mitigation Item (where applicable)	Residual Impact Significance
Adverse residual impact on Path Ref: AGVN/115.	AT5, AT8	Moderate
Access to Outdoors – adverse residual impact for the access to Five Mile Wood from East Mains.	AT1, AT2, AT8, AT10	Moderate