

A9 Dualling: Luncarty to Pass of Birnam

DMRB Stage 3 Environmental Statement

Appendix A7.3 Pre & Post Mitigation Impacts - Agriculture, Sporting & Forestry Land Interests

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This appendix supports Chapter 7 (Community and Private Assets). Table 1 provides the assessment of potential and residual impacts on agriculture, sporting and forestry interests.

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Table 1: Potential and Residual Impacts on Agriculture, Sporting and Forestry Interests

Land Interest	Number of Fields Affected	Description of potential impact	Sensitivity A: Agriculture F: Forestry S: Sporting	Magnitude A: Agriculture F: Forestry S: Sporting	Significance A: Agriculture F: Forestry S: Sporting	Description of proposed mitigation measures† and comment on likely future viability	Overall Significance of residual impact
Battleby Farm Land Reference 028	1	Commercial farm extending to 162ha. Loss of 1.88ha of LCA Class 3.2 land in one field and in one woodland compartment (0.39ha). Total land lost (2.27ha) equates to 1% of the farmed area. Loss of boundary fencing, disruption to field drainage and access.	A:Medium	A:Low	A:Slight	Reinstatement of fencing and drainage. Mitigation measures: CP1, CP3, CP4, CP5, CP6, CP7, CP8, CP9, CP10, CP11, CP12, CP13, CP14. Farm remains viable.	Slight
Cramflat Farm Land Reference 094	1	Commercial farm extending to 271ha. Loss of 0.40ha of LCA Class 3.2 land in one field. Land lost equates to <1% of the farmed area. Loss of boundary fencing, disruption to field drainage and access. Main farm access to/from A9 lost and farm steading and land severed.	A:Medium S:Medium	A:High S:Negligible	A:Moderate/ Substantial S:Negligible/ Slight	Reinstatement of fencing and drainage. Mitigation measures: CP1, CP3, CP4, CP5, CP6, CP7, CP8, CP9, CP10, CP11. Provision of Pitlandie Overbridge as embedded mitigation. Farm remains viable. Note: Diversion for access to A9(N) via B9099 and Tullybelton/Stanley junction and to A9(S) via Luncarty and Luncarty Junction. Left turn restrictions from farm access onto B9099 for equipment such as combine harvesters. Additionally, restrictions on right turn access to farm from B9099 for equipment such as combines and for some tractor and trailer movements.	Slight/ Moderate

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Land Interest	Number of Fields Affected	Description of potential impact	Sensitivity A: Agriculture F: Forestry S: Sporting	Magnitude A: Agriculture F: Forestry S: Sporting	Significance A: Agriculture F: Forestry S: Sporting	Description of proposed mitigation measures† and comment on likely future viability	Overall Significance of residual impact
Northleys and Gellybanks Land Reference 095 and 107	7	Commercial farm extending to 121.50ha. Loss of 6.73ha in seven 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.	A:High S:Medium	A:High S:Negligible	A: Substantial S:Negligible/ Slight	Reinstatement of fencing, drainage and access. Arboriculture assessment pre-construction to BS5837 and windthrow assessment to identify impacts of felling on woodland stability. Mitigation measures: CP1, CP3, CP4, CP5, CP6, CP7, CP8, CP9, CP10, CP11, CP12, CP13, CP15*. Provision of Pitlandie Overbridge as embedded mitigation. Farm remains viable. Note: Diversion for access to A9(N) via B9099 and Tullybelton/Stanley junction and to A9(S) via Luncarty and Luncarty Junction. Left turn restrictions from farm access onto B9099 for equipment such as combine harvesters. Additionally, restrictions on right turn access to farm from B9099 for equipment such as combines and for some tractor and trailer movements. *Potential to return 2.85ha of land subject to CPO for flood compensatory storage to agriculture. Of this 2.63ha is LCA Class 3.1 and 0.22ha is LCA Class 3.2. If this land were returned to agriculture the magnitude of impact would reduce to low and the significance of residual impact would reduce to Slight/Moderate.	Moderate/ Substantial
Loak and Tophead Land Reference 104 and 109	8	Commercial farm extending to 162ha. Loss of 3.40ha in eight fields. Of this, 0.08ha is LCA Class 2, and 3.32ha is LCA Class 3.2. Equates to 2% of farmed area. Loss of boundary fencing and disruption to drainage and access.	A:Medium S:Medium	A:Low S:Negligible	A:Slight S:Negligible/ Slight	Reinstatement of fencing, drainage and access. Mitigation measures: CP1, CP3, CP4, CP5, CP6, CP7, CP8, CP9, CP10, CP11. Farm remains viable.	Slight

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Land Interest	Number of Fields Affected	Description of potential impact	Sensitivity A: Agriculture F: Forestry S: Sporting	Magnitude A: Agriculture F: Forestry S: Sporting	Significance A: Agriculture F: Forestry S: Sporting	Description of proposed mitigation measures† and comment on likely future viability	Overall Significance of residual impact
Marlehall Farm Land Reference 102	6	Commercial farm extending to 243ha. Loss of 6.78ha of LCA Class 3.2 land in six fields. 0.15ha of the land lost is in woodland. Equates to 3% of farmed area. Loss of boundary fencing and disruption to drainage and access.	A:Medium F:Medium	A:Low F:Negligible	A:Slight F:Negligible	Reinstatement of fencing, drainage and access. Arboriculture assessment pre-construction to BS5837 and windthrow assessment to identify impacts of felling on woodland stability. Mitigation measures: CP1, CP3, CP4, CP5, CP6, CP7, CP8, CP9, CP10, CP11, CP12, CP13, CP14, CP15*. Farm remains viable. Note: *Potential for CP15 to return 3.85ha of LCA Class 3.2 land subject to CPO for flood compensatory storage to agriculture. If this land were returned to agriculture the significance of residual impact would remain as Slight.	Slight
Loak and Tophead Land Reference 104 and 109	8	Commercial farm extending to 162ha. Loss of 3.40ha in eight fields. Of this, 0.08ha is LCA Class 2, and 3.32ha is LCA Class 3.2. Equates to 2% of farmed area. Loss of boundary fencing and disruption to drainage and access.	A:Medium S:Medium	A:Low S:Negligible	A:Slight S:Negligible/ Slight	Reinstatement of fencing, drainage and access. Mitigation measures: CP1, CP3, CP4, CP5, CP6, CP7, CP8, CP9, CP10, CP11. Farm remains viable.	Slight
Newmill Farm Land Reference 110	16	Commercial farm extending to 132ha. 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.	A:High S:Low	A:High S:Low	A:Substantial S:Negligible/ Slight	Reinstatement of fencing, drainage and access. Mitigation measures: CP1, CP3, CP4, CP5, CP6, CP7, CP8, CP9, CP10, CP11, CP15. Farm remains viable. Note: Potential to return 1.36ha of LCA Class 3.2 land subject to CPO for flood compensatory storage to agriculture. If this land were returned to agriculture the significance of residual impact would remain as Substantial.	Substantial

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Land Interest	Number of Fields Affected	Description of potential impact	Sensitivity A: Agriculture F: Forestry S: Sporting	Magnitude A: Agriculture F: Forestry S: Sporting	Significance A: Agriculture F: Forestry S: Sporting	Description of proposed mitigation measures† and comment on likely future viability	Overall Significance of residual impact
Over Benchil Land Reference 111	1	Commercial farm extending to 127ha. Loss of 0.27ha in one field of LCA Class 3.2. Equates to <1% of farmed area. Loss of boundary fencing and disruption to drainage and access.	A:Medium	A:Negligible	A:Negligible/ Slight	Reinstatement of fencing, drainage and access. Mitigation measures: CP1, CP3, CP4, CP5, CP6, CP7, CP8, CP9, CP10, CP11. Farm remains viable.	Negligible/ Slight
Westwood Farm Land Reference 120	7	Commercial farm extending to 121ha. Loss of 7.20ha of LCA Class 3.2 in seven fields. Equates to 6% of farmed area. Loss of boundary fencing and disruption to drainage and access.	A:High S:Low	A:Medium S:Negligible	A:Moderate/ Substantial S:Negligible	Reinstatement of fencing, drainage and access. Mitigation measures: CP1, CP3, CP4, CP5, CP6, CP7, CP8, CP9, CP10, CP11. Farm remains viable.	Moderate/ Substantial
North Barns and Coltrannie Land Reference 184 and 187	9	Commercial farm extending to 154ha. Loss of 4.66ha in nine fields. Of this, 0.88ha LCA Class 3.1 and 3.78ha is LCA Class 3.2. Equates to 3% 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.	A:High S:Low	A:High S:Negligible	A:Substantial S:Negligible	Reinstatement of fencing, drainage and access. Mitigation measures: CP1, CP3, CP4, CP5, CP6, CP7, CP8, CP9, CP10, CP11. Provision of Coltrannie Overbridge as embedded mitigation. Farm remains viable.	Slight/ Moderate
Part of Coltrannie Farm Land Reference 188	2	Amenity woodland bordering carriageway. Loss of 6.22ha woodland in two compartments to facilitate construction of the proposed scheme and allow management of bat boxes. 1.65ha would be lost to the proposed scheme and 4.55ha of the woodland would be retained.	F:Medium	F:Low	F:Slight	Reinstatement of fencing. Arboriculture assessment pre-construction to BS5837 and windthrow assessment to identify impacts of any felling or ongoing management/access on woodland stability. Mitigation measures: CP3, CP4, CP1, CP6, CP7, CP9, CP10, CP12, CP13, CP14. Woodland remains viable and will be managed for the life of the scheme.	Slight

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Murthly Estate Land Reference 194	35	Large commercial estate. Loss of 10.60ha LCA Class 3.2 land in 35 fields and forestry compartments. Of this area lost 3.66ha is woodland. Loss of boundary fencing and disruption to drainage and access. Increased risk of windthrow. Access for woodland harvesting, sawmill and shooting parties particularly compromised by severance. Note: Existing windthrow has been identified in some forestry compartments. Where land-take is proposed this may be exacerbated.	A:Medium F:Medium S:Medium	A:Low F:High S:High	A:Slight F:Moderate/ Substantial S:Moderate/ Substantial	Reinstatement of fencing, drainage and access. Arboriculture assessment pre-construction to BS5837 and windthrow assessment to identify impacts of felling on woodland stability. Provision of Gelly Overbridge as embedded mitigation. Mitigation measures: CP1, CP3, CP4, CP5, CP6, CP7, CP8, CP9, CP10, CP11, CP12, CP13, CP14. Estate remains viable.	Slight
Mains of Airleywight Land Reference 195	1	Commercial farm extending to 283ha. Loss of 0.12ha in one woodland parcel (LCA Class 3.1). Equates to <1% of farmed area. Loss of boundary fencing.	F:Low	F:Negligible	F:Negligible	Reinstatement of fencing. Arboriculture assessment pre-construction to BS5837 and windthrow assessment to identify impacts of felling on woodland stability. Mitigation measures: CP3, CP4, CP1, CP6, CP7, CP9, CP10, CP11, CP12, CP13, CP14. Farm remains viable.	Negligible
Pitlandie Farm Land Reference 096	0	No land affected. Loss of farm access to/from A9 and severance of steading and farmland.	A:High	A:High	A:Substantial	Provision of Pitlandie Overbridge as embedded mitigation. Note: Diversion for access to A9(N) via B9099 and Tullybelton/Stanley junction and to A9(S) via Luncarty and Luncarty Junction. Left turn restrictions from farm access onto B9099 for equipment such as combine harvesters. Additionally, restrictions on right turn access to farm from B9099 for equipment such as combines and for some tractor and trailer movements.	Slight/ Moderate
Cropworks Land Reference A	0	No land affected. Loss of shared farm access with Coltrannie and severance of buildings.	A:High	A:High	A:Substantial	Provision of Coltrannie Overbridge as embedded mitigation.	Slight

†Mitigation measures are described in full in Chapter 7 and those applicable to each land-interest noted in this table.