

Chapter 18

Summary of Likely Significant Effects

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18 Summary of Likely Significant Effects

Introduction

- 18.1 Chapters 7 to 17 of the Environmental Impact Assessment (EIA) Report present the findings of the assessment of likely effects of the proposed Kendoon to Tongland 132kV (kilovolts) Reinforcement Project (**‘the KTR Project’**) on a topic by topic basis, for each connection and for the KTR Project as a Whole. The significance of these effects has been assessed using criteria defined in the topic chapters. Where appropriate, the significance of effects has been categorised as major, moderate, minor or none. In the context of the Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017 as amended¹ (**‘the EIA Regulations’**), **effects assessed as being of ‘major’ or ‘moderate’** significance are considered to be significant effects.
- 18.2 In accordance with Schedule 4 of the EIA regulations, Policy Advice Note (PAN) 1/2013 and other relevant EIA guidance, the EIA Report has focused on identifying the likely significant environmental effects (both negative and positive) of the proposed KTR Project, both during construction and operation (including cumulatively with other developments), and associated with decommissioning and removal of the existing N and R routes. Modifications to the detailed alignment of the overhead lines and ancillary components of the KTR Project to avoid and/or minimise environmental effects during the routeing and design process **are considered to be mitigation which is ‘embedded’ in the design**. Embedded mitigation also includes adopting good practice and industry standard measures for construction projects of this nature. Further details of the design strategy and the economic, technical and environmental constraints that have informed the design can be found in Chapter 2: The Routeing Process and Design Strategy. The assessments have been undertaken taking account of the embedded mitigation to avoid and/or minimise effects and, where required, the application of committed additional mitigation measures² to determine the level of significance of the residual effect.
- 18.3 Error! Reference source not found. to 18.6 summarise the likely significant effects of each of the connections of the KTR Project, and the KTR Project as a Whole, prior to, and following, the implementation of committed additional mitigation measures³. Only effects which are considered to be significant prior to mitigation are presented. All other effects are considered to be not significant prior to mitigation and are therefore not presented. Unless otherwise stated, all effects are assumed to be adverse. The locations of the significant residual effects for each connection are illustrated on Figures 18.1 to 18.6.
- Polquhanity to Glenlee (via Kendoon)
- 18.4 Table 18.1 summarises the likely significant effects of the Polquhanity to Glenlee via Kendoon (P-G via K) connection of the KTR Project, including decommissioning and removal of the existing N route and R route (north) prior to and following the implementation of additional mitigation measures. The locations of the significant residual effects are shown on Figure 18.1.1 and 18.1.2.
- 18.5 No significant effects prior to mitigation are predicted for:
 - Construction:
 - Ecology;
 - Ornithology;
 - Cultural Heritage;
 - Traffic and Transport;

- Socioeconomics, Tourism and Recreation; and
 - Other issues.
- Operation:
 - Forestry;
 - Geology, Hydrology, Hydrogeology, Water Resources and peat;
 - Ecology;
 - Ornithology;
 - Cultural Heritage;
 - Traffic and Transport;
 - Noise;
 - Socioeconomics, Tourism and Recreation; and
 - Other Issues.

Table 18.1: Summary of Likely Significant Effects Prior to and Following Additional Mitigation for P-G via K

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
Landscape and Visual Amenity			
Construction <i>(all effects are short-term)</i>			
Upper Dale – Dumfries and Galloway Landscape Character Type (LCT) (165)	Moderate locally (Minor for the LCT as a whole)	n/a	Moderate locally (Minor for the LCT as a whole)
Viewpoint (VP) 1: Layby on A713 near Polquhanity	Major	n/a	Major
VP2: Dundough at access to Polmaddy	Moderate	n/a	Moderate
VP4: Footbridge access to Kendoon	Major	n/a	Major
VP5: B7000 west of Glenhoul Hill	Moderate	n/a	Moderate
VP6: Layby on A713 near Knocknalling Wood	Moderate	n/a	Moderate
VP7: Southern Upland Way near Waterside Hill	Moderate	n/a	Moderate
VP8: Southern Upland Way near St John’s Town of Dalry	Moderate	n/a	Moderate
VP10: A762 north of Glenlee	Moderate	n/a	Moderate
Dundough	Moderate	n/a	Moderate
Kendoon	Major	n/a	Major
St John’s Town of Dalry	Moderate	n/a	Moderate
P7: Karnak	Moderate	n/a	Moderate
P8: Hawkrigg	Moderate	n/a	Moderate
P46: Inverharrow	Moderate	n/a	Moderate
P56: Waterside, Glenlee	Moderate	n/a	Moderate

¹ In light of the current public health advice relating to the Covid-19 outbreak, parts of the EIA Regulations were amended on 24th April 2020 by The Electricity Works (Miscellaneous Temporary Modifications) (Coronavirus) (Scotland) Regulations 2020 to temporarily relax the requirements to place hardcopies of EIA Reports in public places during statutory application consultation periods and to make copies available electronically.

² Additional mitigation measures which are specific to a particular location or issue have been identified through the EIA process.

³ Intra-connection effects are included in the connection-specific sections, and the intra-KTR effects are included in the section referring to KTR as a whole.

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
A713 (between Carsphairn and Parton)	Moderate	n/a	Moderate
A762 (between Allangibbon Bridge and Tongland)	Moderate	n/a	Moderate
Southern Upland Way	Moderate	n/a	Moderate
Operation <i>(all effects are long-term)</i>			
Upper Dale – Dumfries and Galloway LCT (165)	Moderate locally (Minor for the LCT as a whole)	n/a	Moderate locally (Minor for the LCT as a whole)
VP2: Dundough at access to Polmaddy	Moderate	n/a	Moderate
VP4: Footbridge access to Kendoon	Moderate	n/a	Moderate
VP6: Layby on A713 near Knocknalling Wood	Moderate	n/a	Moderate
VP7: Southern Upland Way near Waterside Hill	Moderate	n/a	Moderate
VP8: Southern Upland Way near St John’s Town of Dalry	Moderate	n/a	Moderate
VP10: A762 north of Glenlee	Moderate	Replanting of areas of windthrow felling.	Minor
Dundough	Moderate	n/a	Moderate
Kendoon	Moderate	n/a	Moderate
Cumulative (Operational) <i>(all effects are long-term)</i>			
Upper Dale – Dumfries and Galloway LCT (165)	Moderate locally (Minor for the LCT as a whole)	n/a	Moderate
VP4: Footbridge access to Kendoon	Moderate	n/a	Moderate
VP7: Southern Upland Way near Waterside Hill	Moderate	n/a	Moderate
Dundough	Moderate	n/a	Moderate
Kendoon	Moderate	n/a	Moderate
Forestry			
Construction			
Long-term loss of forestry resources due to felling of trees within the wayleave corridor	Moderate	Replanting is proposed to be undertaken by SPEN however this is subject to agreement with the landowners and therefore cannot be considered as committed mitigation.	Moderate
Loss of broadleaf Woodland including Ancient Woodland and Native Woodland Resource due to felling of trees within the wayleave corridor	Moderate	Replanting is proposed to be undertaken by SPEN however this is subject to agreement with the landowners and therefore cannot be considered as committed mitigation.	Moderate
Effect associated with loss of forest resource	Moderate	Replanting is proposed to be undertaken by SPEN	Moderate

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
associated with the felling of trees for the creation of temporary construction compounds, quarries and construction access tracks		however this is subject to agreement with the landowners and therefore cannot be considered as committed mitigation.	
Geology, Hydrology, Hydrogeology, Water Resources and Peat			
Construction			
Effects on groundwater dependent terrestrial ecosystems (GWDTEs)	Moderate	Maintain baseline subsurface flows towards the GWDTE habitat. Excavated material around the tower bases and trenches will be replaced without compaction. The access track will have sufficient subsurface drainage to ensure subsurface flows are maintained. A monitoring program will be agreed with Scottish Environment Protection Agency (SEPA) and put in place.	Minor
Ecology			
No significant effects prior to mitigation	n/a	n/a	n/a
Ornithology			
No significant effects prior to mitigation	n/a	n/a	n/a
Cultural Heritage			
No significant effects prior to mitigation	n/a	n/a	n/a
Traffic and Transport			
No significant effects prior to mitigation	n/a	n/a	n/a
Noise			
Construction			
High Carminnows – Construction of Site Compound 1 within 200m	Moderate	Restriction on weekend working hours	Minor
Stonebyres (Kendoon) – Felling within 100m	Moderate	Restriction on weekend working hours	Minor
Karnak – Construction of access tracks within 150m	Moderate	Restriction on weekend working hours	Minor
Afric - tower removal within 100m	Moderate	Restriction on weekend working hours	Minor
Socioeconomics, Tourism and Recreation			
No significant effects prior to mitigation	n/a	n/a	n/a
Other Issues			
No significant effects prior to mitigation	n/a	n/a	n/a

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
Assessment of Intra-Connection Effects			
Construction			
Karnak (P7)	Major	n/a	Major
Polmaddie Fam (P9)	Moderate	n/a	Moderate
Deughside (P10)	Moderate	n/a	Moderate
The Cabin (P11)	Moderate	n/a	Moderate
Dundeugh properties 1-14	Moderate	n/a	Moderate
Knockback (26)	Moderate	n/a	Moderate
Ridgeway (27)	Moderate	n/a	Moderate
Phail Barcris (P28)	Moderate	n/a	Moderate
Kendoon properties x 14 (P30-43)	Major	n/a	Major
Inverharrow (46)	Moderate	n/a	Moderate
Waterside, Glenlee (P56)	Moderate	n/a	Moderate
Boatknowe (P82)	Major	n/a	Major
Operation			
Karnak (P7)	Moderate	n/a	Moderate
Polmaddie Fam (P9)	Moderate	n/a	Moderate
Deughside (P10)	Moderate	n/a	Moderate
The Cabin (P11)	Moderate	n/a	Moderate
Dundeugh properties 1-14	Moderate	n/a	Moderate
Knockback (26)	Moderate	n/a	Moderate
Ridgeway (27)	Moderate	n/a	Moderate
Phail Barcris (P28)	Moderate	n/a	Moderate
Kendoon properties x 14 (P30-43)	Moderate	n/a	Moderate
Boatknowe (P82)	Moderate (beneficial)	n/a	Moderate (beneficial)

Carsfad to Kendoon

- 18.6 Table 18.2 summarises the likely significant effects of the Carsfad to Kendoon (C-K) connection of the KTR Project prior to and following the implementation of additional mitigation measures. The locations of the significant residual effects are shown on Figure 18.2.1.
- 18.7 No significant effects prior to mitigation are predicted for:
 - Construction:
 - Geology, Hydrology, Hydrogeology, Water Resources and peat;
 - Ecology;
 - Ornithology;
 - Cultural Heritage;
 - Traffic and Transport;
 - Socioeconomics, Tourism and Recreation; and
 - Other Issues.
 - Operation:

- Landscape and Visual Amenity;
- Forestry;
- Geology, Hydrology, Hydrogeology, Water Resources and peat;
- Ecology;
- Ornithology;
- Cultural Heritage;
- Traffic and Transport;
- Noise;
- Socioeconomics, Tourism and Recreation;
- Other Issues; and
- Intra-Connection Effects.

Table 18.2: Summary of Likely Significant Effects Prior to and Following Additional Mitigation for C-K

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
Landscape and Visual Amenity			
Construction			
<i>(all effects are short-term)</i>			
VP4: Footbridge access to Kendoon	Moderate	n/a	Moderate
Kendoon	Moderate	n/a	Moderate
Forestry			
Construction			
Long-term loss of forestry resources due to felling of trees within the wayleave corridor	Moderate	Replanting is proposed to be undertaken by SPEN however this is subject to agreement with the landowners and therefore cannot be considered as committed mitigation.	Moderate
Loss of broadleaf woodland including ancient woodland and native woodland Resource due to felling of trees within the wayleave corridor	Moderate	Replanting is proposed to be undertaken by SPEN however this is subject to agreement with the landowners and therefore cannot be considered as committed mitigation.	Moderate
Geology, Hydrology, Hydrogeology, Water Resources and Peat			
No significant effects prior to mitigation	n/a	n/a	n/a
Ecology			
No significant effects prior to mitigation	n/a	n/a	n/a
Ornithology			
No significant effects prior to mitigation	n/a	n/a	n/a
Cultural Heritage			
No significant effects prior to mitigation	n/a	n/a	n/a
Traffic and Transport			
No significant effects prior to mitigation	n/a	n/a	n/a
Noise			

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
Construction			
Carsfad Cottage, Stonebyres, Kinross – Felling within 100m	Moderate	Restriction on weekend working hours	Minor
Socioeconomics, Tourism and Recreation			
No significant effects prior to mitigation	n/a	n/a	n/a
Other Issues			
No significant effects prior to mitigation	n/a	n/a	n/a
Assessment of Intra-Connection Effects			
Construction			
Kendoon properties x 14 (P30-43)	Moderate	n/a	Moderate

Earlstoun to Glenlee

- 18.8 Table 18.3 summarises the likely significant effects of the Earlstoun to Glenlee connection of the KTR Project prior to and following the implementation of additional mitigation measures. The locations of the significant residual effects are shown on Figure 18.3.1.
- 18.9 No significant effects prior to mitigation are predicted for:
 - Construction:
 - Geology, Hydrology, Hydrogeology, Water Resources and peat;
 - Ecology;
 - Ornithology;
 - Traffic and Transport;
 - Socioeconomics, Tourism and Recreation;
 - Other Issues; and
 - Intra-Connection Effects.
 - Operation:
 - Landscape and Visual Amenity;
 - Forestry;
 - Geology, Hydrology, Hydrogeology, Water Resources and peat;
 - Ecology;
 - Ornithology;
 - Cultural Heritage;
 - Traffic and Transport;
 - Socioeconomics, Tourism and Recreation;
 - Other Issues; and
 - Intra-Connection Effects.

Table 18.3: Summary of Likely Significant Effects Prior to and Following Additional Mitigation for E-G

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
Landscape and Visual Amenity			
Construction			
<i>(all effects are short-term)</i>			

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
VP10: A762 north of Glenlee	Moderate	n/a	Moderate
Forestry			
Construction			
Long-term loss of forestry resources due to felling of trees within the wayleave corridor	Moderate	Replanting is proposed to be undertaken by SPEN however this is subject to agreement with the landowners and therefore cannot be considered as committed mitigation.	Moderate
Loss of broadleaf woodland including ancient woodland and native woodland resource due to felling of trees within the wayleave corridor	Moderate	Replanting is proposed to be undertaken by SPEN however this is subject to agreement with the landowners and therefore cannot be considered as committed mitigation.	Moderate
Geology, Hydrology, Hydrogeology, Water Resources and Peat			
No significant effects prior to mitigation	n/a	n/a	n/a
Ecology			
No significant effects prior to mitigation	n/a	n/a	n/a
Ornithology			
No significant effects prior to mitigation	n/a	n/a	n/a
Cultural Heritage			
Construction			
Direct impact on a possible bloomer / metal working site (66)	Major	A grid of hand-dug test-pits will be excavated across the area around the possible bloomery in order to establish if any remains survive and to record the possible extent of the site. Its presence should be detectable through spreads of iron slag and / or charcoal within the topsoil and any buried soil deposits. If metal slag or any other archaeological material is recovered during test pitting, rapid analysis of the material will be carried out to confirm the type of activities that have taken place and the potential (broad) date of the site. Provision will then be made, through consultation with the DGCAS, for further excavation, sampling and	Minor

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
		analysis of significant deposits encountered.	
Traffic and Transport			
No significant effects prior to mitigation	n/a	n/a	n/a
Noise			
Construction			
Carville and Dunston (Glenlee) – Laying of underground cable within 100m	Moderate	Restriction on weekend working hours	Minor
Socioeconomics, Tourism and Recreation			
No significant effects prior to mitigation	n/a	n/a	n/a
Other Issues			
No significant effects prior to mitigation	n/a	n/a	n/a
Assessment of Intra-Connection Effects			
No significant effects prior to mitigation	n/a	n/a	n/a

BG Deviation

18.10 Table 18.4 summarises the likely significant effects of the BG Deviation of the KTR Project prior to and following the implementation of additional mitigation measures. The locations of the significant residual effects are shown on Figure 18.4.1 and Figure 18.4.2.

18.11 No significant effects prior to mitigation are predicted for:

- Construction:
 - Geology, Hydrology, Hydrogeology, Water Resources and peat;
 - Ecology;
 - Ornithology;
 - Traffic and Transport;
 - Noise;
 - Socioeconomics, Tourism and Recreation;
 - Other Issues;
 - Intra-connection effects.
- Operation:
 - Forestry;
 - Geology, Hydrology, Hydrogeology, Water Resources and peat;
 - Ecology;
 - Ornithology;
 - Cultural Heritage;
 - Traffic and Transport;
 - Noise;
 - Socioeconomics, Tourism and Recreation;
 - Other Issues;
 - Intra-connection effects.

Table 18.4: Summary of Likely Significant Effects Prior to and Following Additional Mitigation for BG Deviation

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
Landscape and Visual Amenity			
Construction <i>(all effects are short-term)</i>			
Glenlee	Moderate	n/a	Moderate
Operation <i>(all effects are long-term)</i>			
Glenlee	Moderate	n/a	Moderate
Cumulative (Operational) <i>(all effects are long-term)</i>			
Glenlee	Moderate	n/a	Moderate
Forestry			
Construction			
Long-Term loss of forestry resources due to felling of trees within the wayleave corridor	Moderate	Replanting is proposed to be undertaken by SPEN however this is subject to agreement with the landowners and therefore cannot be considered as committed mitigation.	Moderate
Loss of broadleaf woodland including ancient woodland and native woodland resource due to felling of trees within the wayleave corridor	Major	Replanting is proposed to be undertaken by SPEN however this is subject to agreement with the landowners and therefore cannot be considered as committed mitigation.	Major
Geology, Hydrology, Hydrogeology, Water Resources and Peat			
No significant effects prior to mitigation	n/a	n/a	n/a
Ecology			
No significant effects prior to mitigation	n/a	n/a	n/a
Ornithology			
No significant effects prior to mitigation	n/a	n/a	n/a
Cultural Heritage			
Construction			
Direct impact on a possible bloomer / metal working site (66)	Major	A grid of hand-dug test-pits will be excavated across the area around the possible bloomery in order to establish if any remains survive and to record the possible extent of the site. Its presence should be detectable through spreads of iron slag and / or charcoal	Minor

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
		within the topsoil and any buried soil deposits. If metal slag or any other archaeological material is recovered during test pitting, rapid analysis of the material will be carried out to confirm the type of activities that have taken place and the potential (broad) date of the site. Provision will then be made, through consultation with the DGCAS, for further excavation, sampling and analysis of significant deposits encountered.	
Direct impact on former burial cairn (190)	Major	Archaeological watching brief carried out during any ground breaking along the proposed new access track where it crosses the site of the former burial cairn in order to ensure that any surviving buried remains are properly identified and recorded.	Minor
Traffic and Transport			
No significant effects prior to mitigation	n/a	n/a	n/a
Noise			
No significant effects prior to mitigation	n/a	n/a	n/a
Socioeconomics, Tourism and Recreation			
No significant effects prior to mitigation	n/a	n/a	n/a
Other Issues			
No significant effects prior to mitigation	n/a	n/a	n/a

Glenlee to Tongland

- 18.12 Table 18.5 summarises the likely significant effects of the Glenlee to Tongland (G-T) connection of the KTR Project, including decommissioning and removal of R route (south), prior to and following the implementation of additional mitigation measures. The locations of the significant residual effects are shown on Figure 18.5.1 and Figure 18.5.2.
- 18.13 No significant effects prior to mitigation are predicted for:
 - Construction:
 - Ecology;
 - Ornithology;
 - Traffic and Transport;
 - Other Issues.

- Operation:
 - Forestry;
 - Geology, Hydrology, Hydrogeology, Water Resources and peat;
 - Ecology;
 - Ornithology;
 - Traffic and Transport;
 - Noise;
 - Other Issues.

Table 18.5: Summary of Likely Significant Effects Prior to and Following Additional Mitigation for G-T

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
Landscape and Visual Amenity			
Construction <i>(all effects are short-term)</i>			
Foothills with Forest LCT – Dumfries and Galloway (176)	Moderate locally (Minor for LCT as a whole)	n/a	Moderate locally (Minor for LCT as a whole)
Rugged Uplands with Forest LCT – Dumfries and Galloway (181)	Moderate locally (Minor for LCT as a whole)	n/a	Moderate locally (Minor for LCT as a whole)
Drumlin Pastures LCT (169)	Moderate locally (Minor for LCT as a whole)	n/a	Moderate locally (Minor for LCT as a whole)
VP11: Unclassified road (U3S) south-west of Glenlee	Moderate	n/a	Moderate
VP12: Core Path 516 south-west of Glenlee	Major	n/a	Major
VP14: A712, The Queen’s Way	Moderate	n/a	Moderate
VP16: Core path near Tannoch Flow	Moderate	n/a	Moderate
VP21: Mossdale	Moderate	n/a	Moderate
VP22: Core Path 485 Mossdale to Gatehouse Station Railway Walk	Moderate	n/a	Moderate
VP26: Kennick Burn picnic area	Moderate	n/a	Moderate
VP28: A762 south of Laurieston	Moderate	n/a	Moderate
VP29: Barstobrick Hill (Neilson’s Monument)	Moderate	n/a	Moderate
VP30: A75 at junction with unclassified road	Moderate	n/a	Moderate
VP31: Unclassified road (U43S) near Argrennan Mains	Major	n/a	Major
VP32: A711 north of Tongland substation	Moderate	n/a	Moderate
Glenlee	Moderate	n/a	Moderate
P77: Airie Cottage	Moderate	n/a	Moderate

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
P79: Darsalloch	Moderate	n/a	Moderate
P167: Upper Balannan Farm	Moderate	n/a	Moderate
Property Group consisting of: P170, P171, P172	Moderate	n/a	Moderate
P173: Woodlands	Moderate	n/a	Moderate
Property Group consisting of: P174, P175, P176, P177, P178, P179, P180	Moderate	n/a	Moderate
Property Group consisting of: P185, P186, P187, P188, P189, P190	Moderate	n/a	Moderate
P195: High Clachan	Moderate	n/a	Moderate
Property Group consisting of: P199, P201, P207, P208, P216, P220, P221	Moderate	n/a	Moderate
Property Group consisting of: P225, P226	Moderate	n/a	Moderate
A712	Moderate	n/a	Moderate
A75	Moderate	n/a	Moderate
Core Path No. 205 Mossdale Kite Walk, Red Kite Trail	Moderate	n/a	Moderate
Core Path No. 153 Airie near Mossdale	Major	n/a	Major
Operation (all effects are long-term)			
Foothills with Forest LCT – Dumfries and Galloway (176)	Moderate locally (Minor for LCT as a whole)	n/a	Moderate locally (Minor for LCT as a whole)
Rugged Uplands with Forest LCT – Dumfries and Galloway (181)	Moderate locally (Minor for LCT as a whole)	n/a	Moderate locally (Minor for LCT as a whole)
Drumlin Pastures LCT (169)	Moderate locally (Minor for LCT as a whole)	n/a	Moderate locally (Minor for LCT as a whole)
VP12: Core Path 516 south-west of Glenlee	Major	n/a	Major
VP16: Core path near Tannoch Flow	Moderate	n/a	Moderate
VP21: Mossdale	Moderate	n/a	Moderate
VP22: Core Path 485 Mossdale to Gatehouse Station Railway Walk	Moderate	n/a	Moderate
VP26: Kennick Burn picnic area	Moderate	n/a	Moderate
VP28: A762 south of Laurieston	Moderate	n/a	Moderate

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
VP29: Barstobrick Hill (Neilson’s Monument)	Moderate	Replanting of areas of windthrow felling	Moderate
VP31: Unclassified road (U43S) near Argrennan Mains	Moderate	n/a	Moderate
VP32: A711 north of Tongland substation	Moderate	n/a	Moderate
Glenlee	Moderate	n/a	Moderate
P77: Airie Cottage	Moderate	n/a	Moderate
P173: Woodlands	Moderate	n/a	Moderate
Property Group consisting of: P174, P175, P176, P177, P178, P179, P180	Moderate	n/a	Moderate
Property Group consisting of: P199, P201, P207, P208, P216, P220, P221	Moderate	n/a	Moderate
Property Group consisting of: P225, P226	Moderate	n/a	Moderate
Core Path No. 205 Mossdale Kite Walk, Red Kite Trail	Moderate	n/a	Moderate
Core Path No. 153 Airie near Mossdale	Moderate	n/a	Moderate
Removal of R Route South			
Flooded Valley LCT (164)	Moderate (beneficial)	n/a	Moderate (beneficial)
VP25: A713 near Parton Mill Bridge	Moderate (beneficial)	n/a	Moderate (beneficial)
P82: Boatknowe	Moderate (beneficial)	n/a	Moderate (beneficial)
Property Group consisting of: P83, P83, P85	Moderate (beneficial)	n/a	Moderate (beneficial)
P86: Mallard Cottage	Major (beneficial)	n/a	Major (beneficial)
Property Group consisting of: P87, P88	Moderate (beneficial)	n/a	Moderate (beneficial)
P89: Garplefoot	Moderate (beneficial)	n/a	Moderate (beneficial)
P106: Killochy Farm	Moderate (beneficial)	n/a	Moderate (beneficial)
P114: Ken Tor	Moderate (beneficial)	n/a	Moderate (beneficial)
Property Group consisting of: P115, 116	Moderate (beneficial)	n/a	Moderate (beneficial)
P129: Barbershall	Moderate (beneficial)	n/a	Moderate (beneficial)
Property Group consisting of: P143, P143a, P144	Moderate (beneficial)	n/a	Moderate (beneficial)
Core Path No. 21 Dalry to New Galloway	Moderate (beneficial)	n/a	Moderate (beneficial)
Core Path No. 29 Glengunnock Wood	Moderate (beneficial)	n/a	Moderate (beneficial)
Core Path No. 208 Livingston Hill	Moderate (beneficial)	n/a	Moderate (beneficial)

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
Cumulative (Operational) <i>(all effects are long-term)</i>			
Foothills with Forest – Dumfries and Galloway LCT (176)	Moderate locally (Minor for LCT as a whole)	n/a	Moderate locally (Minor for LCT as a whole)
VP12: Core Path 516 south-west of Glenlee	Moderate	n/a	Moderate
VP29: Barstobrick Hill (Neilson’s Monument)	Moderate	n/a	Moderate
Glenlee	Moderate	n/a	Moderate
Forestry			
Construction			
Long-term loss of forestry resources due to felling of trees within the wayleave corridor	Major	Replanting is proposed to be undertaken by SPEN however this is subject to agreement with the landowners and therefore cannot be considered as committed mitigation.	Major
Loss of broadleaf woodland including ancient woodland and native woodland resource due to felling of trees within the wayleave corridor	Major	Replanting is proposed to be undertaken by SPEN however this is subject to agreement with the landowners and therefore cannot be considered as committed mitigation.	Major
Geology, Hydrology, Hydrogeology, Water Resources and Peat			
Construction			
Effects on GWDTEs	Moderate	Maintain baseline subsurface flows towards the GWDTE habitat. Excavated material around the tower bases will be replaced without compaction. The access track will have sufficient subsurface drainage to ensure subsurface flows are maintained. A monitoring program will be agreed with SEPA and put in place.	Moderate
Peat loss/disturbance	Moderate to none	Appropriate peat excavation, storage and re-use/reinstatement. Further ground investigation to review foundation and track options. Piled foundations and floating working areas and track will be considered at Mossdale/Bennan Hill, Bargatton Loch and to the north of Edgarton Loch areas.	Minor to None

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
Peat instability	Moderate	Installation of temporary catch fences and monitoring of ground conditions above Knocknairling Burn during construction of Access 33 (in relation to peat slide risk).	Minor
Ecology			
No significant effects prior to mitigation	n/a	n/a	n/a
Ornithology			
No significant effects prior to mitigation	n/a	n/a	n/a
Cultural Heritage			
Construction			
Direct impact on a possible bloomer / metal working site (66)	Major	A grid of hand-dug test-pits will be excavated across the area around the possible bloomery in order to establish if any remains survive and to record the possible extent of the site. Its presence should be detectable through spreads of iron slag and / or charcoal within the topsoil and any buried soil deposits. If metal slag or any other archaeological material is recovered during test pitting, rapid analysis of the material will be carried out to confirm the type of activities that have taken place and the potential (broad) date of the site. Provision will then be made, through consultation with the DGCAS, for further excavation, sampling and analysis of significant deposits encountered.	Minor
Direct impact on former burial cairn (190)	Major	Archaeological watching brief carried out during any ground breaking along the proposed new access track where it crosses the site of the former burial cairn in order to ensure that any surviving buried remains are properly identified and recorded.	Minor
Direct impact on remains associated with Park of	Major	Archaeological watching brief carried out during any ground breaking	Minor

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
Tongland Stone Circle (SM1039) (192)		along the proposed new access track where it passes the stone circle (SM1039) in order to ensure that any surviving buried remains associated with the stone circle are properly identified and recorded.	
Operation			
Setting of Stroan settlement (MDG8225)	Moderate	n/a	Moderate
Traffic and Transport			
No significant effects prior to mitigation	n/a	n/a	n/a
Noise			
Construction			
Carville and Dunston (Glenlee) and The Upper Cottage, Argrennan Mains - Construction of working areas within 50m	Moderate	Restriction on weekend working hours	Minor
Ken Tor - Construction of working areas within 50m and access tracks within 70m	Moderate	Restriction on weekend working hours	Minor
Woodlands and Brennan Cottage – Construction of access tracks within 150m	Moderate	Restriction on weekend working hours	Minor
Boatknowe, Mosscroft, Craigend and Glentoo Farm/Cottage – Construction of access tracks within 40m	Moderate	Restriction on weekend working hours	Minor
Socioeconomics, Tourism and Recreation			
Construction			
Effect on recreational access	Moderate	Implementation of recreational access good practise measures.	Moderate
Operation			
Designated walking and recreational routes	Moderate	n/a	Moderate
Other Issues			
No significant effects prior to mitigation	n/a	n/a	n/a
Assessment of Intra-Connection Effects			
Construction			
Glenlee power station properties x 9 (P57-65)	Moderate	n/a	Moderate
Airie Cottage (P77)	Moderate	n/a	Moderate
Darsalloch (P79)	Moderate	n/a	Moderate

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
Upper Balannan Cottages x 3 (P170-172)	Moderate	n/a	Moderate
Woodlands (P173)	Moderate	n/a	Moderate
Argrennan Mains Farm and properties x 5 Dunaverty (P175, P176, P177, P179, P180)	Moderate	n/a	Moderate
Hilldrop Lodge (P198)	Moderate	n/a	Moderate
High Clachan (P195)	Moderate	n/a	Moderate
Tongland x 15 (P199, P201, P207, P208, P216, P220, P221)	Moderate	n/a	Moderate
Langbarns (P225)	Moderate	n/a	Moderate
Weir House, Langbarns (P226)	Moderate	n/a	Moderate
Operation			
Glenlee power station properties x 9 (P57-65)	Moderate	n/a	Moderate
Airie Cottage (P77)	Moderate	n/a	Moderate
Boatknowe (P82)	Moderate beneficial (R removal)	n/a	Moderate beneficial (R removal)
Grennan Farm, Cottage and Dairy Farm (P83-85)	Moderate beneficial (R removal)	n/a	Moderate beneficial (R removal)
Mallard Cottage (P86)	Moderate beneficial (R removal)	n/a	Moderate beneficial (R removal)
Garplefoot (P89)	Moderate beneficial (R removal)	n/a	Moderate beneficial (R removal)
Killochy Farm (P106)	Moderate beneficial (R removal)	n/a	Moderate beneficial (R removal)
Ken Tor (P114)	Moderate beneficial (R removal)	n/a	Moderate beneficial (R removal)
Nether Ervie Cottage (P116)	Moderate beneficial (R removal)	n/a	Moderate beneficial (R removal)
Barbershall (P129)	Moderate beneficial (R removal)	n/a	Moderate beneficial (R removal)
Glentoo Farm (P144)	Moderate beneficial (R removal)	n/a	Moderate beneficial (R removal)
Woodlands (P173)	Moderate	n/a	Moderate
Argrennan Mains Farm and properties x 5 Dunaverty (P175, P176, P177, P179, P180)	Moderate	n/a	Moderate
Tongland x 15 (P199, P201, P207, P208, P216, P220, P221)	Moderate	n/a	Moderate
Langbarns (P225)	Moderate	n/a	Moderate
Weir House, Langbarns (P226)	Moderate	n/a	Moderate

KTR as a Whole

- 18.14 Table 18.6 summarises the likely significant effects of the KTR Project as a Whole following the implementation of additional mitigation measures. It should be noted that effects that are not significant following implementation of mitigation are not set out below, but these are set out in Tables 18.1 to 18.5 above **(these topics are marked with ‘*’ where relevant below)**.
- 18.15 No significant effects prior to additional mitigation are predicted for the KTR Project as a Whole for the following topics:
 - Construction:
 - Ecology;
 - Ornithology;
 - Traffic and Transport;
 - Socioeconomics, Tourism and Recreation;
 - Other Issues.
 - Operation
 - Forestry;
 - Geology, Hydrology, Hydrogeology, Water Resources and peat;
 - Ecology;
 - Ornithology;
 - Traffic and Transport;
 - Noise;
 - Other Issues.

Table 18.6: Summary of Likely Significant Effects Following Additional Mitigation for KTR as a Whole

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
Landscape and Visual Amenity			
Construction			
<i>(all effects are short-term)</i>			
Upper Dale – Dumfries & Galloway (165)	Moderate locally (Minor for LCT as a whole)	n/a	Moderate locally (Minor for LCT as a whole)
Foothills with Forest – Dumfries and Galloway LCT (176)	Moderate locally (Minor for LCT as a whole)	n/a	Moderate locally (Minor for LCT as a whole)
Rugged Uplands with Forest LCT – Dumfries and Galloway (181)	Moderate locally (Minor for LCT as a whole)	n/a	Moderate locally (Minor for LCT as a whole)
Drumlin Pastures LCT (169)	Moderate locally (Minor for LCT as a whole)	n/a	Moderate locally (Minor for LCT as a whole)
VP1: Layby on A713 near Polquhanity	Major	n/a	Major
VP2: Dundough at access to Polmaddy	Moderate	n/a	Moderate
VP4: Footbridge access to Kendoon	Major	n/a	Major
VP5: B7000 west of Glenhoul Hill	Moderate	n/a	Moderate

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
VP6: Layby on A713 near Knocknalling Wood	Moderate	n/a	Moderate
VP7: Southern Upland Way near Waterside Hill	Moderate	n/a	Moderate
VP8: Southern Upland Way near St John’s Town of Dalry	Moderate	n/a	Moderate
VP10: A762 north of Glenlee	Moderate	n/a	Moderate
VP11: Unclassified road (U3S) south-west of Glenlee	Moderate	n/a	Moderate
VP12: Core Path 516 south-west of Glenlee	Major	n/a	Major
VP14: A712, The Queen’s Way	Moderate	n/a	Moderate
VP16: Core path near Tannoch Flow	Moderate	n/a	Moderate
VP21: Mossdale	Moderate	n/a	Moderate
VP22: Core Path 485 Mossdale to Gatehouse Station Railway Walk	Moderate	n/a	Moderate
VP26: Kennick Burn picnic area	Moderate	n/a	Moderate
VP28: A762 south of Laurieston	Moderate	n/a	Moderate
VP29: Barstobrick Hill (Neilson’s Monument)	Moderate	n/a	Moderate
VP30: A75 at junction with unclassified road	Moderate	n/a	Moderate
VP31: Unclassified road (U43S) near Argrennan Mains	Major	n/a	Major
VP32: A711 north of Tongland substation	Moderate	n/a	Moderate
Dundeugh	Moderate	n/a	Moderate
Kendoon	Major	n/a	Major
St Johns Town of Dalry	Moderate	n/a	Moderate
Glenlee	Moderate	n/a	Moderate
P7: Karnak	Moderate	n/a	Moderate

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
P8: Hawkrigg	Moderate	n/a	Moderate
P46: Inverharrow	Moderate	n/a	Moderate
P56: Waterside, Glenlee	Moderate	n/a	Moderate
P77: Airie Cottage	Moderate	n/a	Moderate
P79: Darsalloch	Moderate	n/a	Moderate
P167: Upper Balannan Farm	Moderate	n/a	Moderate
Property Group consisting of: P170, P171, P172	Moderate	n/a	Moderate
P173: Woodlands	Moderate	n/a	Moderate
Property Group consisting of: P174, P175, P176, P177, P178, P179, P180	Moderate	n/a	Moderate
Property Group consisting of: P185, P186, P187, P188, P189, P190	Moderate	n/a	Moderate
P195: High Clachan	Moderate	n/a	Moderate
Property Group consisting of: P199, P201, P207, P208, P216, P220, P221	Moderate	n/a	Moderate
Property Group consisting of: P225, P226	Moderate	n/a	Moderate
A713	Moderate	n/a	Moderate
A762 (Scottish Castle Route, Loch Ken and River Dee Biosphere Route)	Moderate	n/a	Moderate
A712	Moderate	n/a	Moderate
A75	Moderate	n/a	Moderate
Southern Upland Way	Moderate	n/a	Moderate
Core Path No. 205 Mossdale Kite Walk, Red Kite Trail	Moderate	n/a	Moderate
Core Path No. 153 Airie near Mossdale	Major	n/a	Major
Operation <i>(all effects are long-term)</i>			
Upper Dale – Dumfries and Galloway LCT (165)	Moderate locally (Minor for the LCT as a whole)	n/a	Moderate locally (Minor for the LCT as a whole)

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
Foothills with Forest LCT – Dumfries and Galloway (176)	Moderate locally (Minor for LCT as a whole)	n/a	Moderate locally (Minor for LCT as a whole)
Rugged Uplands with Forest LCT – Dumfries and Galloway (181)	Moderate locally (Minor for LCT as a whole)	n/a	Moderate locally (Minor for LCT as a whole)
Drumlin Pastures LCT (169)	Moderate locally (Minor for LCT as a whole)	n/a	Moderate locally (Minor for LCT as a whole)
Flooded Valley LCT (164)	Moderate (beneficial)	n/a	Moderate (beneficial)
VP2: Dundough at access to Polmaddy	Moderate	n/a	Moderate
VP4: Footbridge access to Kendoon	Moderate	n/a	Moderate
VP6: Layby on A713 near Knocknalling Wood	Moderate	n/a	Moderate
VP7: Southern Upland Way near Waterside Hill	Moderate	n/a	Moderate
VP8: Southern Upland Way near St John’s Town of Dalry	Moderate	n/a	Moderate
VP12: Core Path 516 south-west of Glenlee	Major	n/a	Major
VP16: Core path near Tannoch Flow	Moderate	n/a	Moderate
VP21: Mossdale	Moderate	n/a	Moderate
VP22: Core Path 485 Mossdale to Gatehouse Station Railway Walk	Moderate	n/a	Moderate
VP25: A713 near Parton Mill Bridge	Moderate (beneficial)	n/a	Moderate (beneficial)
VP26: Kennick Burn picnic area	Moderate	n/a	Moderate
VP28: A762 south of Laurieston	Moderate	n/a	Moderate
VP29: Barstobrick Hill (Neilson’s Monument)	Moderate	Replanting of areas of windthrow felling	Moderate
VP31: Unclassified road (U43S) near Argrennan Mains	Moderate	n/a	Moderate
VP32: A711 north of Tongland substation	Moderate	n/a	Moderate
Dundough	Moderate	n/a	Moderate

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
Kendoon	Moderate	n/a	Moderate
Glenlee	Moderate	n/a	Moderate
P77: Airie Cottage	Moderate	n/a	Moderate
P82: Boatknowe	Moderate (beneficial)	n/a	Moderate (beneficial)
Property Group consisting of: P83, P83, P85	Moderate (beneficial)	n/a	Moderate (beneficial)
P86: Mallard Cottage	Major (beneficial)	n/a	Major (beneficial)
Property Group consisting of: P87, P88	Moderate (beneficial)	n/a	Moderate (beneficial)
P89: Garplefoot	Moderate (beneficial)	n/a	Moderate (beneficial)
P106: Killochy Farm	Moderate (beneficial)	n/a	Moderate (beneficial)
P114: Ken Tor	Moderate (beneficial)	n/a	Moderate (beneficial)
Property Group consisting of: P115, 116	Moderate (beneficial)	n/a	Moderate (beneficial)
P129: Barbershall	Moderate (beneficial)	n/a	Moderate (beneficial)
Property Group consisting of: P143, P143a, P144	Moderate (beneficial)	n/a	Moderate (beneficial)
P173: Woodlands	Moderate	n/a	Moderate
Property Group consisting of: P174, P175, P176, P177, P178, P179, P180	Moderate	n/a	Moderate
Property Group consisting of: P199, P201, P207, P208, P216, P220, P221	Moderate	n/a	Moderate
Property Group consisting of: P225, P226	Moderate	n/a	Moderate
Core Path No. 21 Dalry to New Galloway	Moderate (beneficial)	n/a	Moderate (beneficial)
Core Path No. 29 Glengunnock Wood	Moderate (beneficial)	n/a	Moderate (beneficial)
Core Path No. 208 Livingston Hill	Moderate (beneficial)	n/a	Moderate (beneficial)
Core Path No. 205 Mossdale Kite Walk, Red Kite Trail	Moderate	n/a	Moderate
Core Path No. 153 Airie near Mossdale	Moderate	n/a	Moderate
Cumulative (Operation)			

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
<i>(all effects are long-term)</i>			
Upper Dale – Dumfries & Galloway LCT (165)	Moderate	n/a	Moderate
Foothills with Forest – Dumfries and Galloway LCT (176)	Moderate	n/a	Moderate
VP4: Footbridge access to Kendoon	Moderate	n/a	Moderate
VP7: Southern Upland Way near Waterside Hill	Moderate	n/a	Moderate
VP12: Core Path 516 south-west of Glenlee	Moderate	n/a	Moderate
VP29: Barstobrick Hill (Neilson’s Monument)	Moderate	n/a	Moderate
Dundeugh	Moderate	n/a	Moderate
Kendoon	Moderate	n/a	Moderate
Glenlee	Moderate	n/a	Moderate
Forestry			
Construction			
Long-term loss of forestry resources due to felling of trees within the wayleave corridor	Moderate	Replanting is proposed to be undertaken by SPEN however this is subject to agreement with the landowners and therefore cannot be considered as committed mitigation.	Moderate
Loss of broadleaf woodland including ancient woodland and native woodland resource due to felling of trees within the wayleave corridor	Major	Replanting is proposed to be undertaken by SPEN however this is subject to agreement with the landowners and therefore cannot be considered as committed mitigation.	Major
Effect associated with loss of forest resource associated with the felling of trees for the creation of temporary construction compounds, quarries and construction access tracks	Moderate	Replanting is proposed to be undertaken by SPEN however this is subject to agreement with the landowners and therefore cannot be considered as committed mitigation.	Moderate
Geology, Hydrology, Hydrogeology, Water Resources and Peat			
Construction			
Effects on GWDTEs	Moderate	Maintain baseline subsurface flows towards the GWDTE habitat. Excavated material around the tower bases and UGC trench (for undergrounding of existing OHL) will be replaced without compaction. The final	Moderate

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
		design of the UGC route will aim to avoid the GWDTE habitat as far as possible during construction. Access tracks will have sufficient subsurface drainage to ensure subsurface flows are maintained. A monitoring program will be agreed with SEPA and put in place.	
Peat loss/disturbance	Moderate to none	Appropriate peat excavation, storage and re-use/reinstatement. Further ground investigation to review foundation and track options. Piled foundations and floating working areas and track will be considered at Mossdale/Bennan Hill, Bargatton Loch and to the north of Edgarton Loch areas.	Minor to None
Peat instability	Moderate	Installation of temporary catch fences and monitoring of ground conditions above Knocknairling Burn during construction of Access 33 (in relation to peat slide risk).	Minor
Ecology			
No significant effects prior to mitigation	n/a	n/a	n/a
Ornithology			
No significant effects prior to mitigation	n/a	n/a	n/a
Cultural Heritage*			
Construction			
No significant residual effects	n/a	n/a	n/a
Operation			
Setting of Stroan settlement (MDG8225)	Moderate	n/a	Moderate
Traffic and Transport			
No significant effects prior to mitigation	n/a	n/a	n/a
Noise*			
No significant residual effects	n/a	n/a	n/a
Socioeconomics, Tourism and Recreation			
Construction			

Predicted Effect	Significance of Effect	Additional Mitigation	Significance of Residual Effect
Forestry sector	Moderate beneficial	n/a	Moderate beneficial
Energy (Electricity Transmission) sector	Moderate beneficial	None	Moderate Beneficial
Other Issues			
No significant effects prior to mitigation	n/a	n/a	n/a
Assessment of Intra-Connection Effects			
Construction			
Kendoon properties x 14	Moderate	n/a	Moderate
Waterside, Glenlee	Moderate	n/a	Moderate
Glenlee power station properties x 9	Moderate	n/a	Moderate
Operation			
Kendoon properties x 14	Moderate	n/a	Moderate
Glenlee power station properties x 9	Moderate	n/a	Moderate
Boatknowe (P82)	Moderate beneficial (R removal)	n/a	Moderate beneficial (R removal)

* As noted above, effects that are not significant following implementation of mitigation are not set out in Table 18.6 but are detailed in Tables 18.1 to 18.5 above.

Summary and Conclusion

- 18.16 The EIA for the proposed KTR Project has been carried out in accordance with regulatory requirements and guidance on good practice. The findings of the surveys and the consultation have informed the design process. As a result, design changes have been introduced to avoid and/or minimise effects on the environment and SPEN has sought to meet the requirements of Section 38 and Schedule 9 of the Electricity Act 1989 which impose a statutory duty on SPEN to take account of the following factors in formulating proposals for the installation of overhead transmission lines:

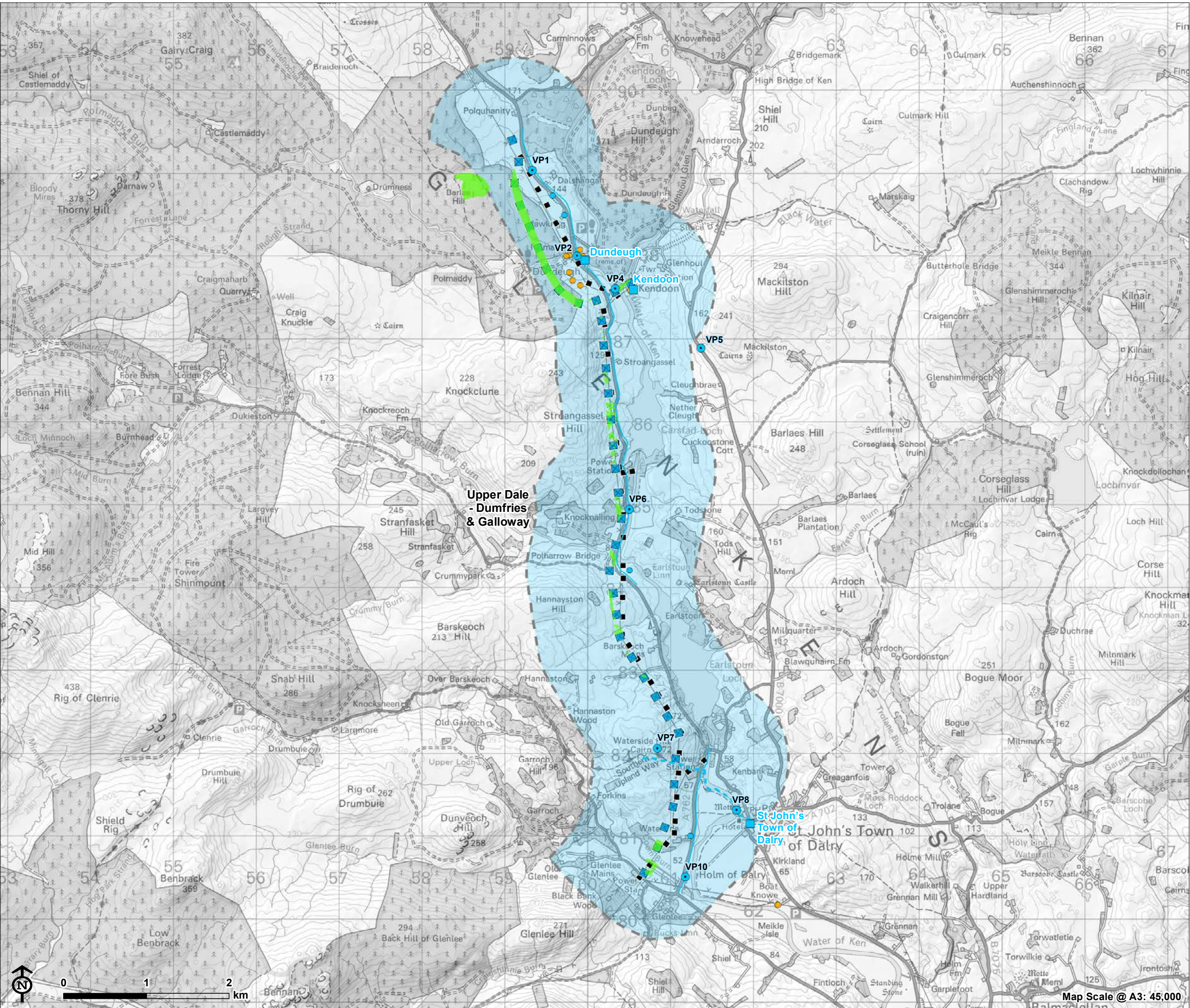
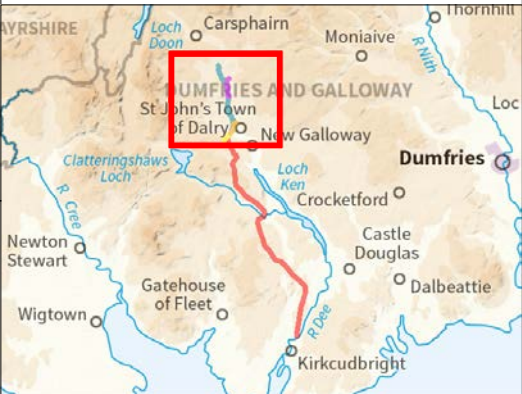
“(a) to have regard to the desirability of preserving natural beauty, of conserving flora, fauna and geological or physiographical features of special interest and of protecting sites, buildings and objects of architectural, historic or archaeological interest; and,

(b) to do what it reasonably can to mitigate any effects which the proposals would have on the natural beauty of the countryside or any such flora, fauna, features, sites, buildings or objects.”
- 18.17 Whilst some residual significant effects are inevitable for a development of this scale, the KTR Project will also result in some significant positive effects, including on landscape and visual amenity through the removal of existing infrastructure once operational, and socio-economic benefits for the forestry sector and energy (electricity transmission) sector during construction. Furthermore, there are opportunities to utilise the creation of a linear corridor through dense commercial forest **to create/promote ‘green networks’ which is noted in National Planning Framework 3 (NPF3) as an effective option to utilise felled areas, and to deliver enhancements for ecology and landscape and visual amenity through the approach to replanting these areas as set out in Appendix 5.1.**

Figure 18.1.1: Summary of Likely Significant Residual Effects During Construction
Polquhanity to Glenlee via Kendoon

- Overhead line Infrastructure**
- Polquhanity to Glenlee via Kendoon (steel lattice tower)
 - Existing tower for removal
- Landscape and Visual Amenity**
- Viewpoint
 - Residential property
 - Settlement
 - Southern Upland Way
 - Road Routes A713 and A762
 - 2019 SNH landscape character types with significant effects (Upper Dale LCT)
- Forestry**
- Forestry (to be felled)
- Intra Effects**
- Residential property

Note: It should be noted that some properties will experience visual amenity and intra-connection effects during construction. Full details of how the properties are affected are provided in Chapter 7: Landscape and Visual Amenity and Chapter 17: Assessment of Intra-Connection and Intra-KTR Effects of the EIA Report

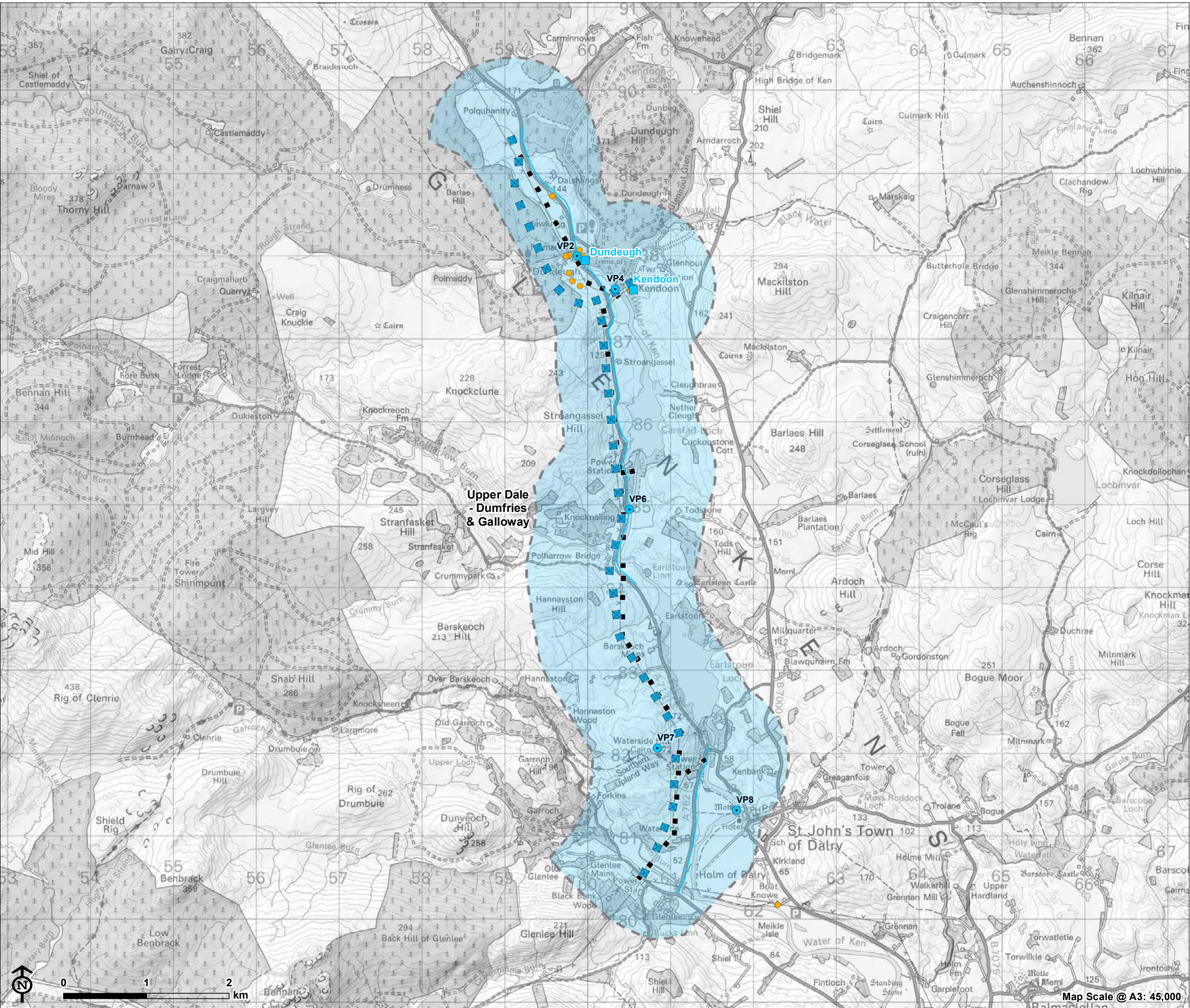
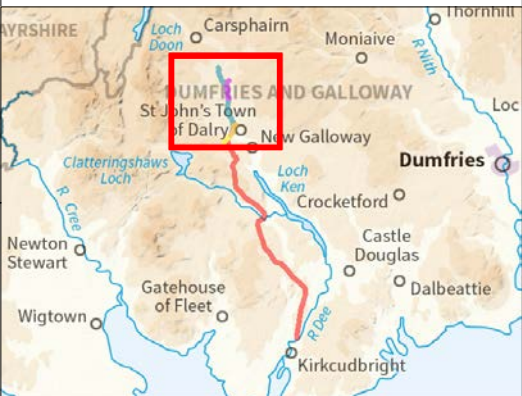


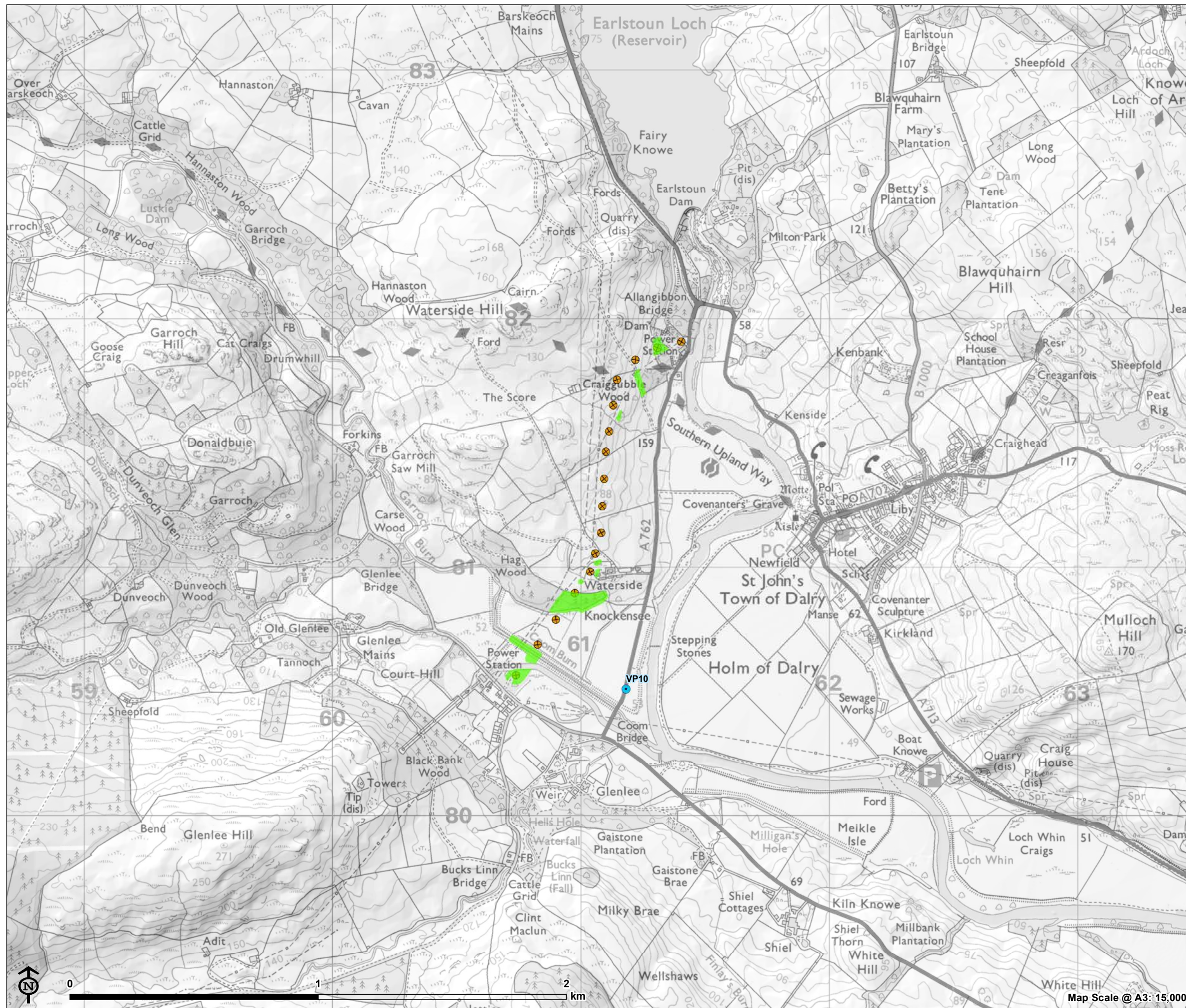
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Figure 18.1.2: Summary of Likely Significant Residual Effects During Operation
Polquhanity to Glenlee via Kendoon

- Overhead line Infrastructure**
- Polquhanity to Glenlee via Kendoon (steel lattice tower)
 - Existing tower for removal
- Landscape and Visual Amenity**
- Viewpoint
 - Settlement
 - Road Routes A713 and A762
 - 2019 SNH landscape character types with significant effects (Upper Dale LCT)
- Intra Effects**
- Residential property

Note: It should be noted that some properties will experience visual amenity and intra-connection effects during construction. Full details of how the properties are affected are provided in Chapter 7: Landscape and Visual Amenity and Chapter 17: Assessment of Intra-Connection and Intra-KTR Effects of the EIA Report





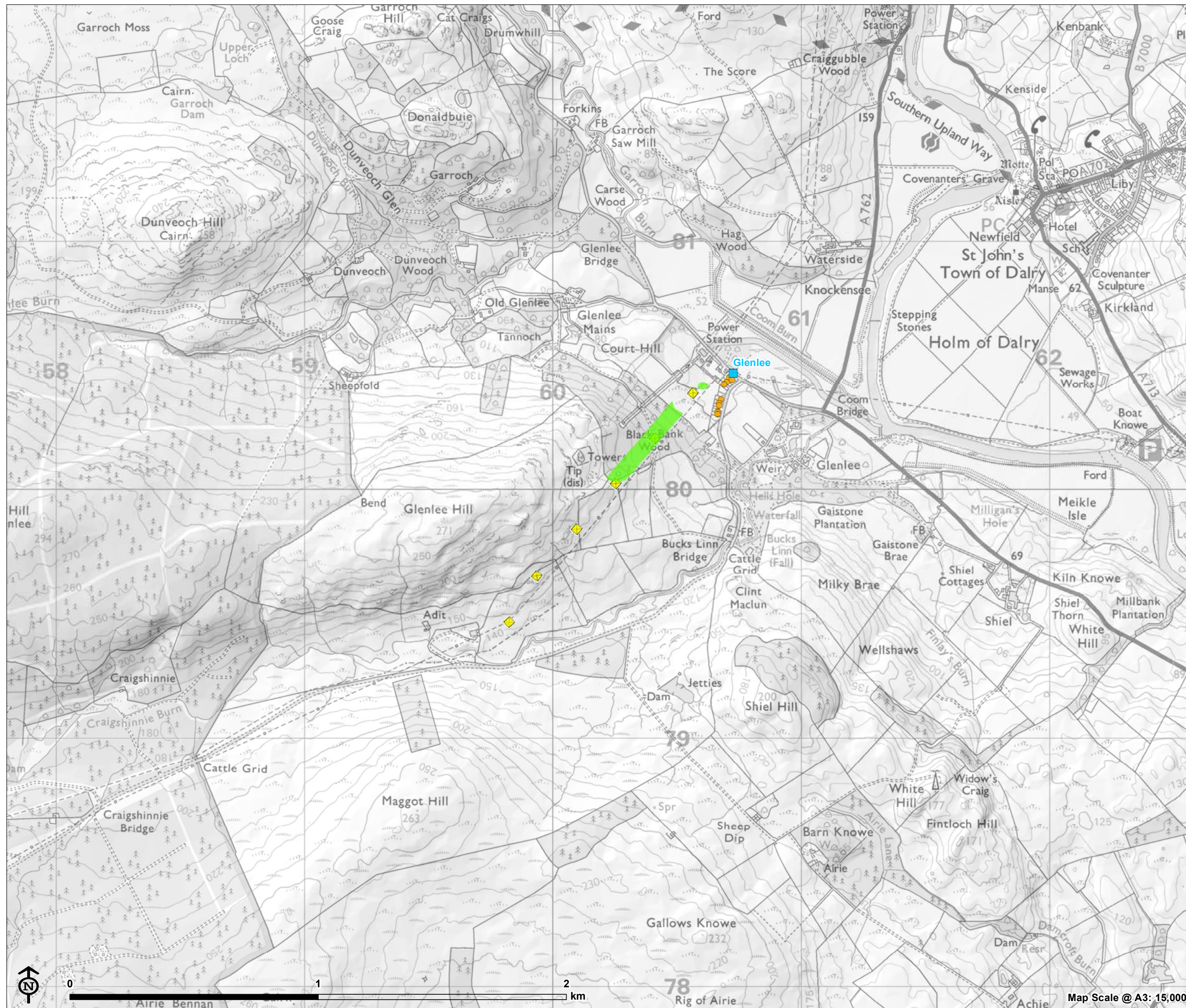
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Figure 18.3.1: Summary of Likely Significant Residual Effects During Construction Earlstoun to Glenlee

- Overhead line Infrastructure**
- Earlstoun to Glenlee (wood pole)
- Landscape and Visual Amenity**
- Viewpoint
- Forestry**
- Forestry (to be felled)

Note: It should be noted that some properties will experience visual amenity and intra-connection effects during construction. Full details of how the properties are affected are provided in Chapter 7: Landscape and Visual Amenity and Chapter 17: Assessment of Intra-Connection and Intra-KTR Effects of the EIA Report



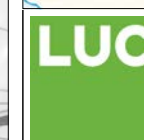


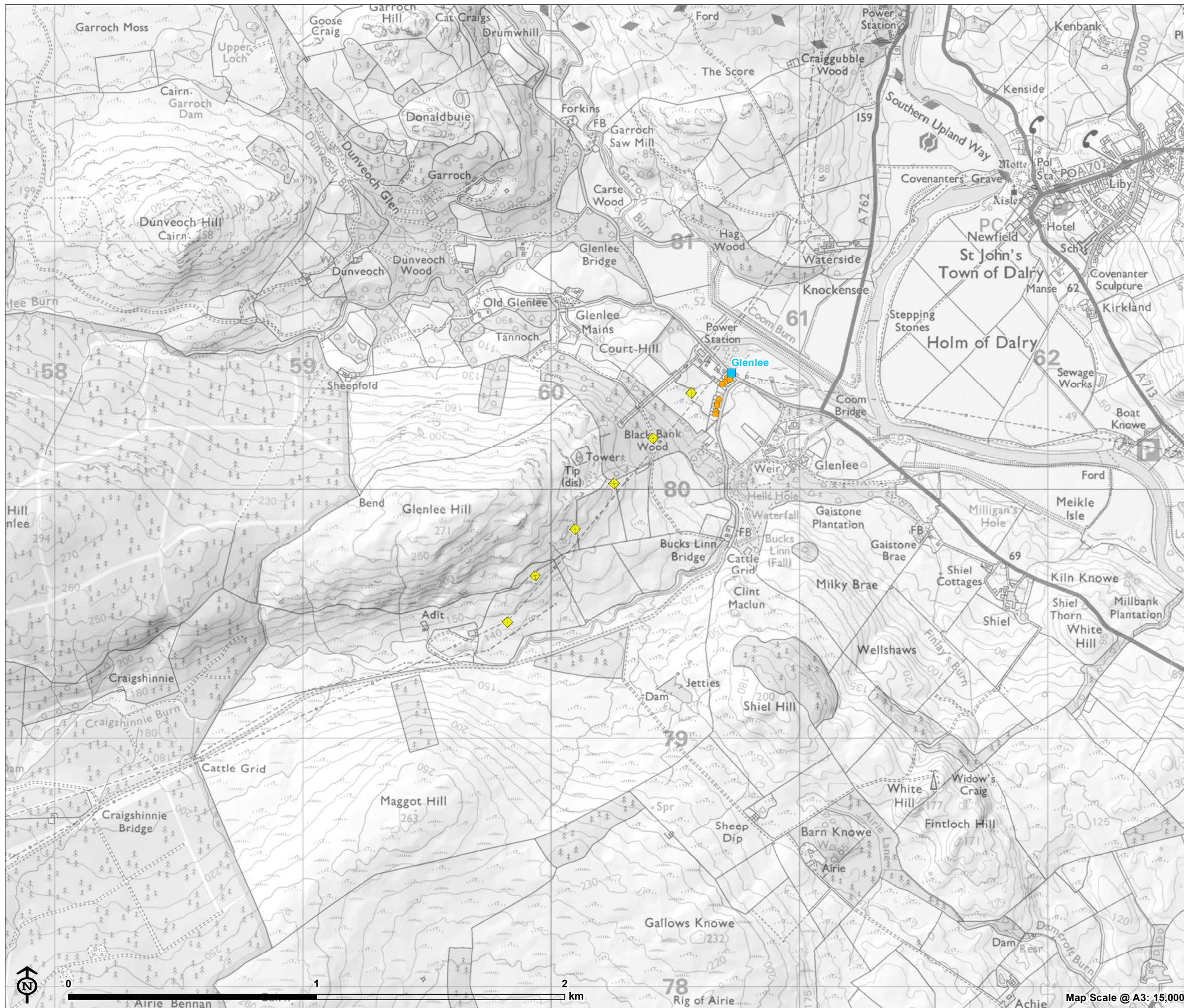
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**Figure 18.4.1: Summary of Likely Significant Residual Effects During Construction
BG route deviation**

- Overhead line Infrastructure**
 - ✦ BG route deviation (steel lattice tower)
- Landscape and Visual Amenity**
 - Settlement
- Forestry**
 - Forestry (to be felled)
- Intra Effects**
 - Residential property

Note: It should be noted that some properties will experience visual amenity and intra-connection effects during construction. Full details of how the properties are affected are provided in Chapter 7: Landscape and Visual Amenity and Chapter 17: Assessment of Intra-Connection and Intra-KTR Effects of the EIA Report



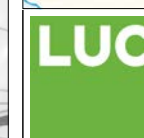


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**Figure 18.4.2: Summary of Likely Significant Residual Effects During Operation
BG route deviation**

- Overhead line Infrastructure**
- ✦ BG route deviation (steel lattice tower)
- Landscape and Visual Amenity**
- Settlement
- Intra Effects**
- Residential property

Note: It should be noted that some properties will experience visual amenity and intra-connection effects during construction. Full details of how the properties are affected are provided in Chapter 7: Landscape and Visual Amenity and Chapter 17: Assessment of Intra-Connection and Intra-KTR Effects of the EIA Report



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Figure 18.5.1: Summary of Likely Significant Residual Effects During Construction
Glenlee to Tongland

- Overhead line Infrastructure**
- Glenlee to Tongland
 - Existing tower for removal
- Landscape and Visual Amenity**
- Viewpoint
 - Residential property
 - Settlement
 - Core path
 - Road Routes A712 and A75
 - 2019 SNH landscape character types with significant effects (Drumlin Pastures LCT, Foothills with Forest LCT, Rugged Uplands with Forest LCT)
- Forestry**
- Forestry (to be felled)
- Ecology**
- GWDTE
- Intra Effects**
- Residential property
- Socio Economic**
- Effect on recreational access - Core path

Note: It should be noted that some properties will experience visual amenity and intra-connection effects during construction. Full details of how the properties are affected are provided in Chapter 7: Landscape and Visual Amenity and Chapter 17: Assessment of Intra-Connection and Intra-KTR Effects of the EIA Report

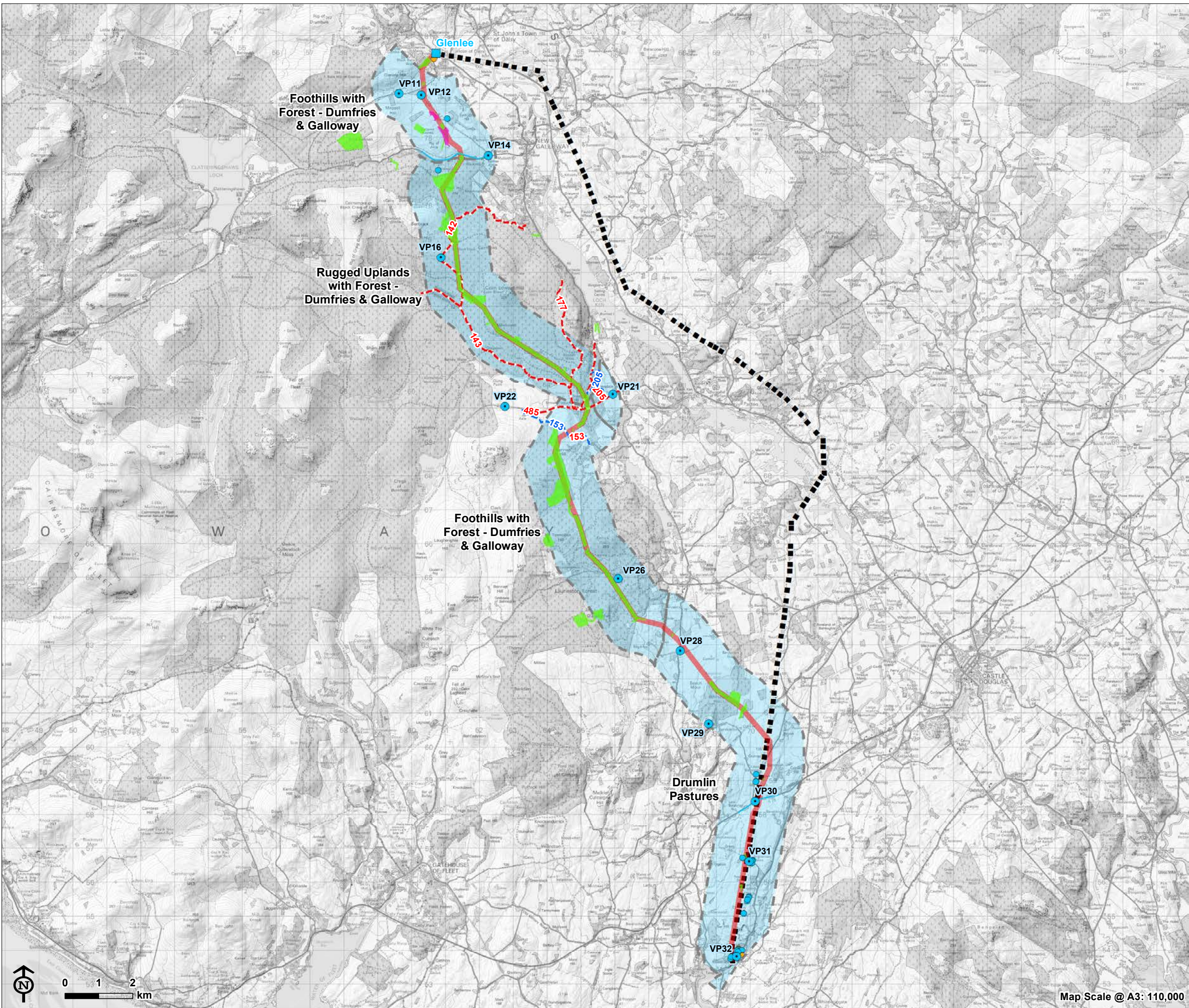


Figure 18.5.2: Summary of Likely Significant Residual Effects During Operation
Glenlee to Tongland

- Overhead line Infrastructure**
- Glenlee to Tongland
 - Existing tower for removal
- Landscape and Visual Amenity**
- Viewpoint
 - Viewpoint (beneficial effect)
 - Residential property
 - Residential property (beneficial effect)
 - Settlement
 - Road Routes A712 and A75
 - 2019 SNH landscape character types with significant effects (Drumlin Pastures LCT, Foothills with Forest LCT, Rugged Uplands with Forest LCT)
- Intra Effects**
- Residential property
 - Residential property (beneficial effect)
- Cultural Heritage**
- Non-Statutory Register (NSR) Site
- Socio Economic**
- Effect on recreational access - Core path

Note: It should be noted that some properties will experience visual amenity and intra-connection effects during construction. Full details of how the properties are affected are provided in Chapter 7: Landscape and Visual Amenity and Chapter 17: Assessment of Intra-Connection and Intra-KTR Effects of the EIA Report

