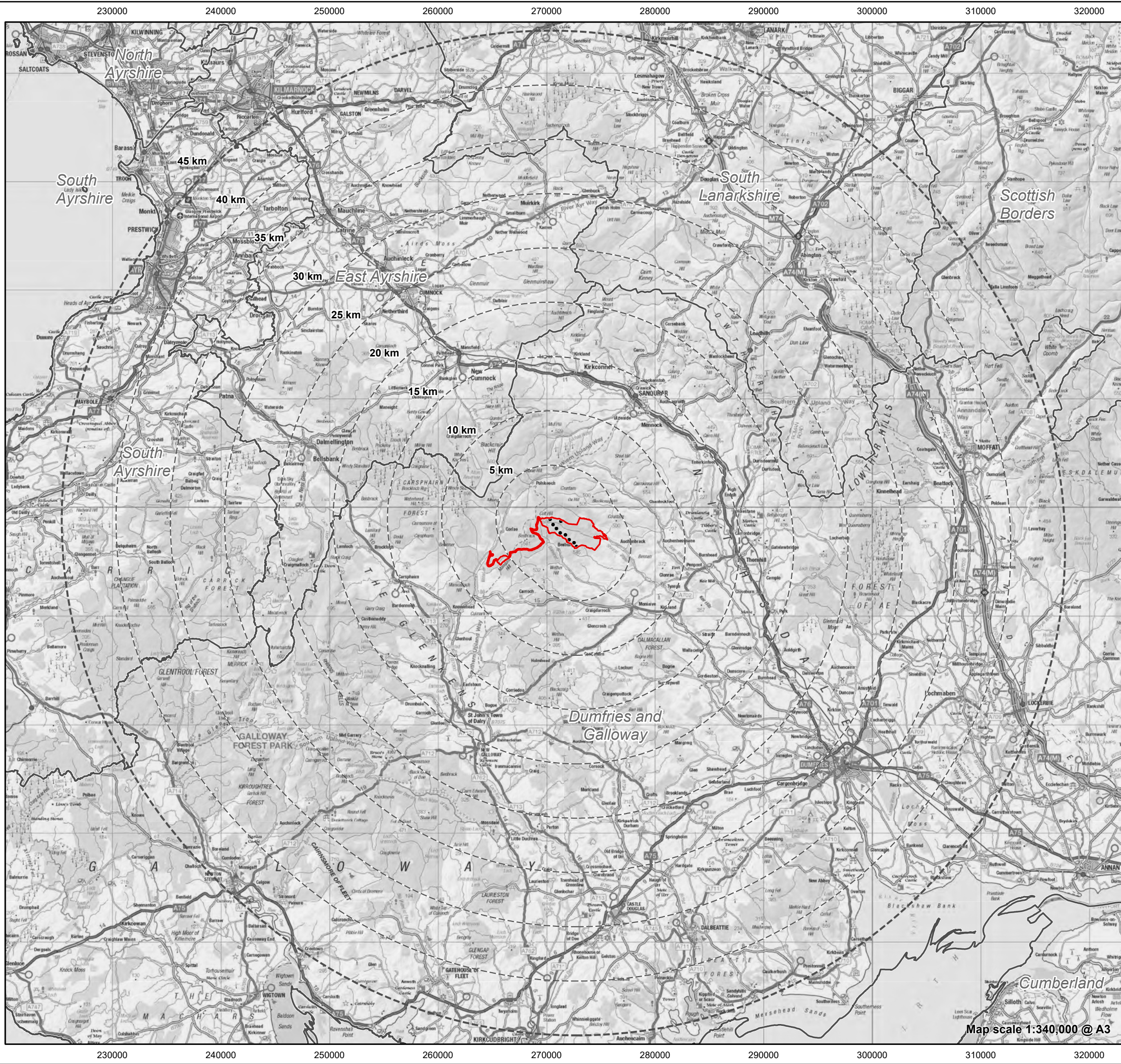
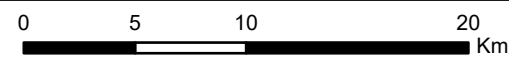


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- Site Boundary
- Turbine
- 5 km Interval from Outermost Turbines
- 45 km LVIA Study Area
- Local Planning Authority Boundary



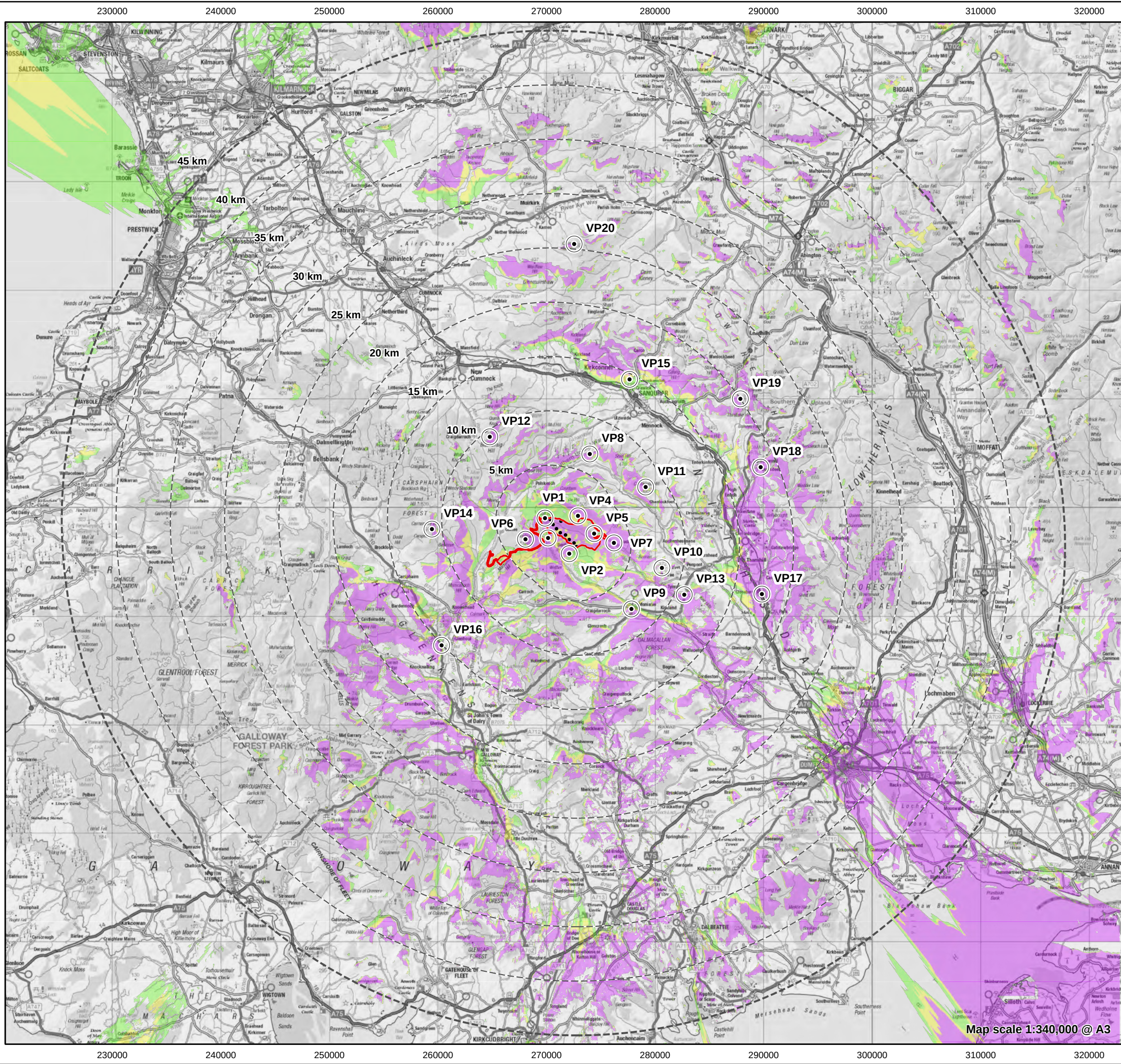
Source: LUC, Pell Frischmann, OS

Produced By: HD
Checked By: NE
Version: 00

Date: 08/04/2025
Ref: 11634_EIA_LVIA

Figure 5.1
Landscape and Visual Impact Assessment
Study Area

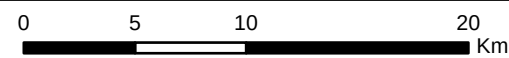
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- Site Boundary
 - Turbine
 - 5 km Interval from Outermost Turbines
 - 45 km LVIA Study Area
- Zone of Theoretical Visibility (Tip Height 200 m)**
- 1 - 3 Turbine Blade Tips Visible
 - 4 - 6 Turbine Blade Tips Visible
 - 7 - 9 Turbine Blade Tips Visible
- Viewpoint

- | | |
|---|----------------------------------|
| VP1: Colt Hill, Striding Arch | VP11: Cairnkinna Hill |
| VP2: Bail Hill, Striding Arch | VP12: Blackcraig Hill |
| VP3: Cairnhead, Striding Arch | VP13: A702, Shinnel Water Valley |
| VP4: Shinnelhead | VP14: Cairnsmore of Carsphairn |
| VP5: High Appin | VP15: Crawick Multiverse |
| VP6: Benbrack, Striding Arch | VP16: A713, near Stroangassel |
| VP7: Shinnel Water Valley near Craigencon | VP17: A76, south of Closeburn |
| VP8: SUW near Cloud Hill | VP18: Durisdeer Rig |
| VP9: Moniaive | VP19: East Mount Lowther |
| VP10: Auchengibbert Hill | VP20: Cairn Table |

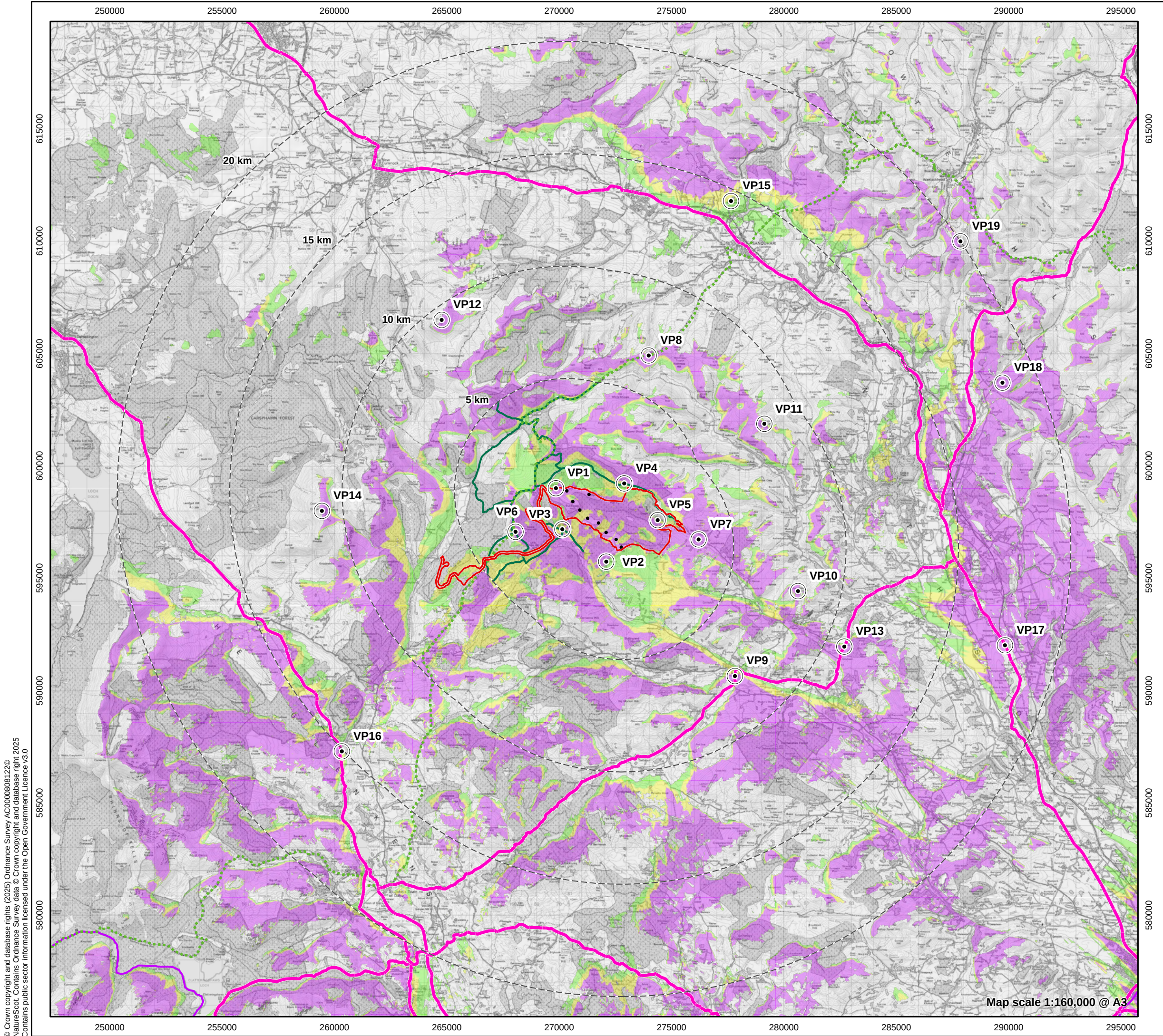
Note:
The ZTV is calculated to turbine tip height (200 m) from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 5 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0 software.



Source: LUC, Pell Frischmann, OS

Produced By: HD	Date: 22/04/2025
Checked By: NE	Ref: 11634_EIA_LVIA
Version: 00	

Figure 5.2a
Blade Tip Height (200 m) Zone of Theoretical Visibility (ZTV) and Viewpoint Locations



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Site boundary

Turbine

5 km Interval from Outermost Turbines

A Road

National Cycle Network

Core Path within 5 km of Outermost Turbines

Southern Upland Way

Zone of Theoretical Visibility (Tip Height 200 m)

1 - 3 Turbine Blade Tips Visible

4 - 6 Turbine Blade Tips Visible

7 - 9 Turbine Blade Tips Visible

Viewpoint

VP1: Colt Hill, Striding Arch

VP11: Cairnkinna Hill

VP2: Bail Hill, Striding Arch

VP12: Blackcraig Hill

VP3: Cairnhead, Striding Arch

VP13: A702, Shinnel Water Valley

VP4: Shinnelhead

VP14: Cairnsmore of Carsphairn

VP5: High Appin

VP15: Crawick Multiverse

VP6: Benbrack, Striding Arch

VP16: A713, near Stroangassel

VP7: Shinnel Water Valley near Craigencon

VP17: A76, south of Closeburn

VP8: SUW near Cloud Hill

VP18: Durisdeer Rig

VP9: Moniaive

VP19: East Mount Lowther

VP10: Auchengibbert Hill

Note:
The ZTV is calculated to turbine tip height (200 m) from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 5 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0 software.

0510

Km

Source: LUC, Pell Frischmann, OS, SG, Sustrans

Produced By: HD

Date: 08/05/2025

Checked By: NE

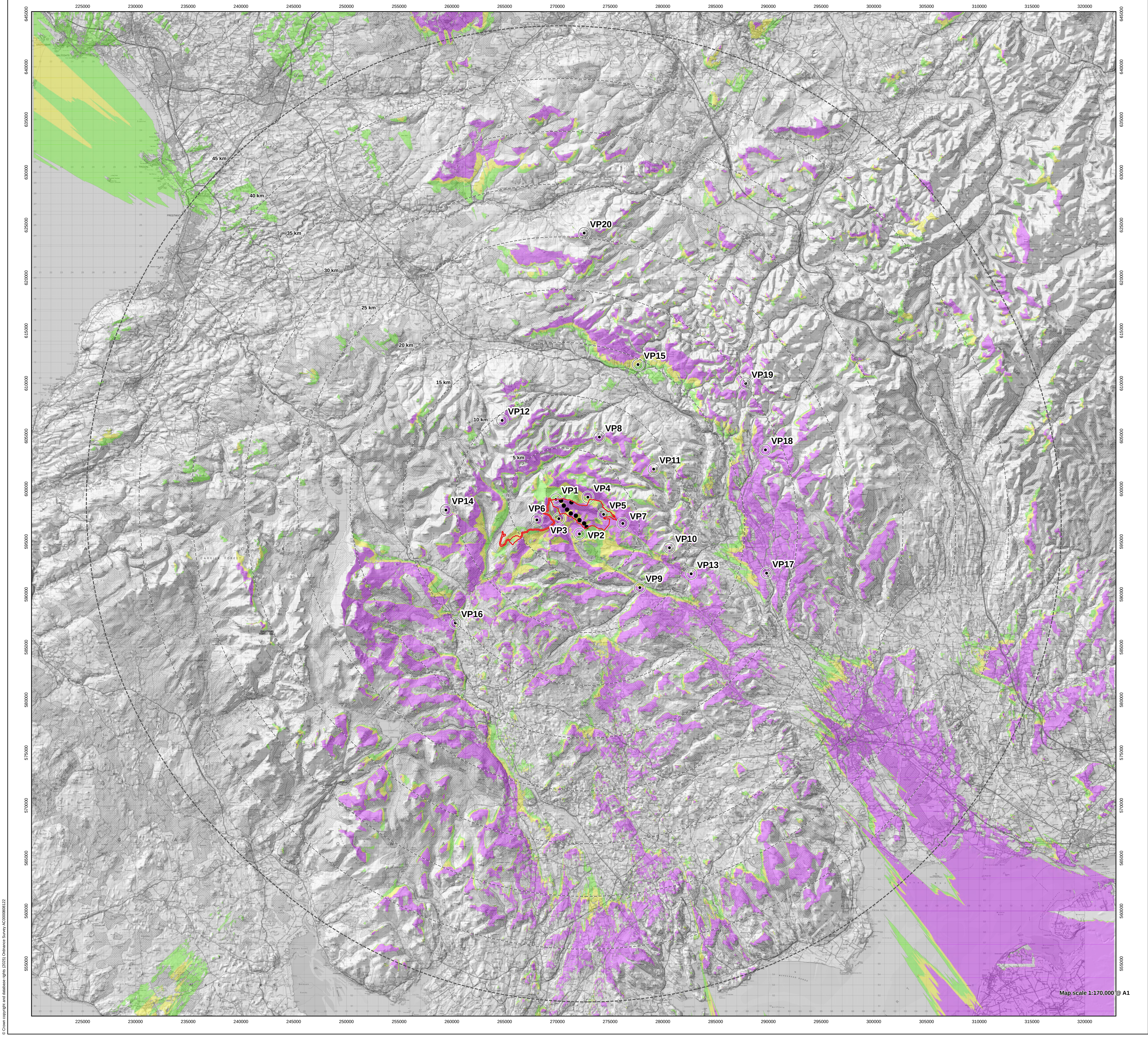
Ref: 11634_EIA_LVIA

Version: 00

Figure 5.2b
Blade Tip Height (200 m) Zone of Theoretical Visibility (ZTV) and Visual Receptors

Appin Wind Farm
EIA Report

Map scale 1:160,000 @ A3





Site Boundary

Turbine

5 km Interval from Outermost Turbines

45 km LVIA Study Area

Zone of Theoretical Visibility (Tip Height 200 m)

1 - 3 Turbine Blade Tips Visible

4 - 6 Turbine Blade Tips Visible

7 - 9 Turbine Blade Tips Visible

Viewpoint

VP1: Colt Hill, Striding Arch

VP2: Bail Hill, Striding Arch

VP3: Cairnhead, Striding Arch

VP4: Shinnelhead

VP5: High Appin

VP6: Benbrack, Striding Arch

VP7: Shinnel Water Valley near Craigencon

VP8: SUW near Cloud Hill

VP9: Moniaive

VP10: Auchengibbert Hill

VP11: Cairnkinna Hill

VP12: Blackcraig Hill

VP13: A702, Shinnel Water Valley

VP14: Cairnsmore of Carsphairn

VP15: Crawick Multiverse

VP16: A713, near Stroangassel

VP17: A76, south of Closeburn

VP18: Durisdeer Rig

VP19: East Mount Lowther

VP20: Cairn Table

Note:

The ZTV is calculated to turbine tip height (200 m) from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 5 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0 software.

02.551020

Km

Source: LUC, Pell Frischmann, OS

Produced By: HD

Checked By: NE

Version: 00

Date: 22/04/2025

Ref: 11634_EIA_LVIA

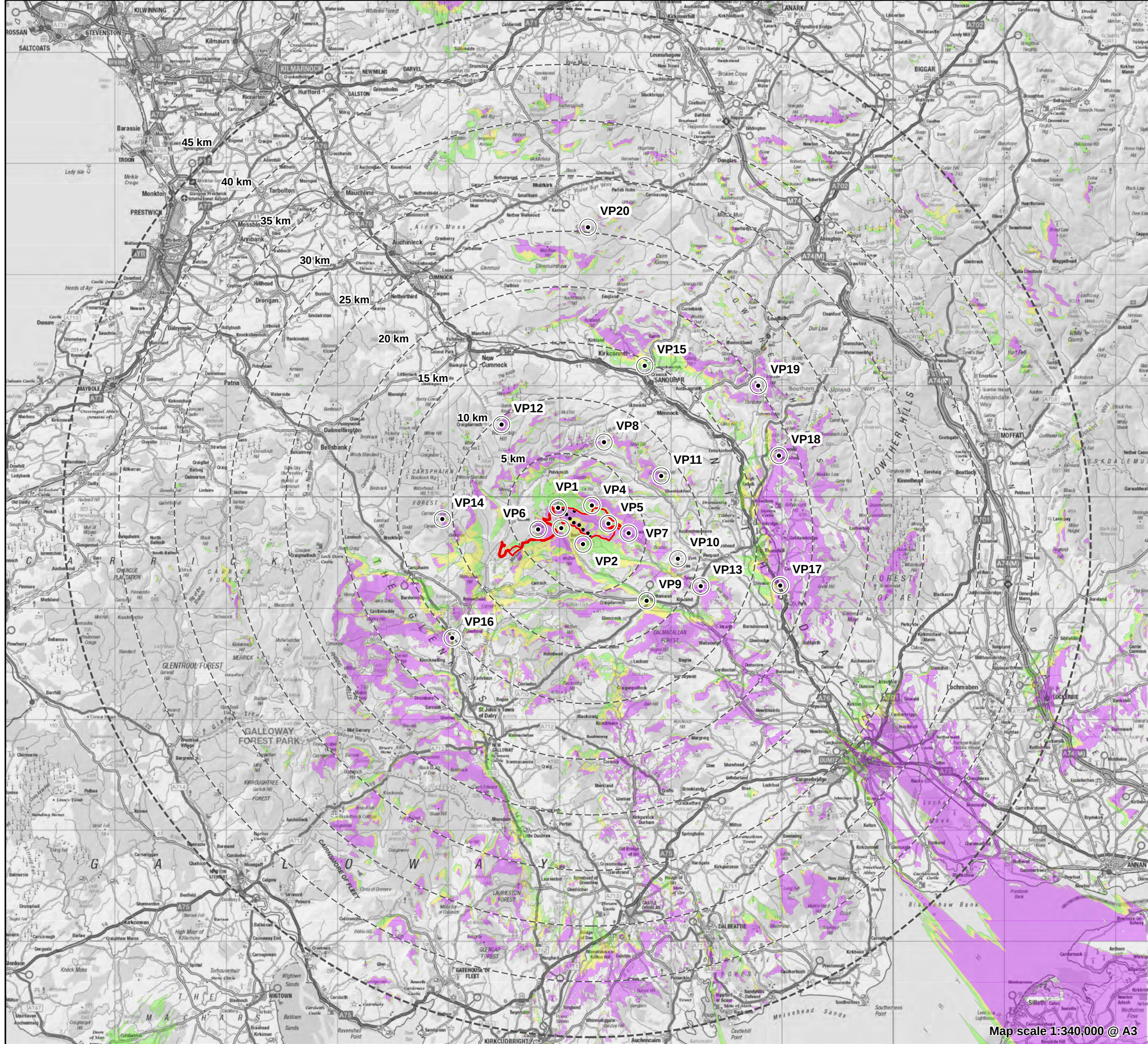
Figure 5.2c

Blade Tip Height (200 m) Zone of Theoretical Visibility (ZTV) and Viewpoint Locations

Appin Wind Farm

EIA Report

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Site Boundary

Turbine

5 km Interval from Outermost Turbines

45 km LVIA Study Area

Zone of Theoretical Visibility (Hub Height 119 m)

1 - 3 Turbine Hubs Visible

4 - 6 Turbine Hubs Visible

7 - 9 Turbine Hubs Visible

Viewpoint

VP1: Colt Hill, Striding Arch

VP11: Cairnkinna Hill

VP2: Bail Hill, Striding Arch

VP12: Blackcraig Hill

VP3: Cairnhead, Striding Arch

VP13: A702, Shinnel Water Valley

VP4: Shinnelhead

VP14: Cairnsmore of Carsphairn

VP5: High Appin

VP15: Crawick Multiverse

VP6: Benbrack, Striding Arch

VP16: A713, near Stroangassel

VP7: Shinnel Water Valley near Craigencon

VP17: A76, south of Closeburn

VP8: SUW near Cloud Hill

VP18: Durisdeer Rig

VP9: Moniaive

VP19: East Mount Lowther

VP10: Auchengibbert Hill

VP20: Cairn Table

Note:

The ZTV is calculated to turbine hub height (119 m) from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 5 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0 software.

051020

Km

Source: LUC, Pell Frischmann, OS

Produced By: HD

Date: 29/04/2025

Checked By: NE

Ref: 11634_EIA_LVIA

Version: 00

Figure 5.3a

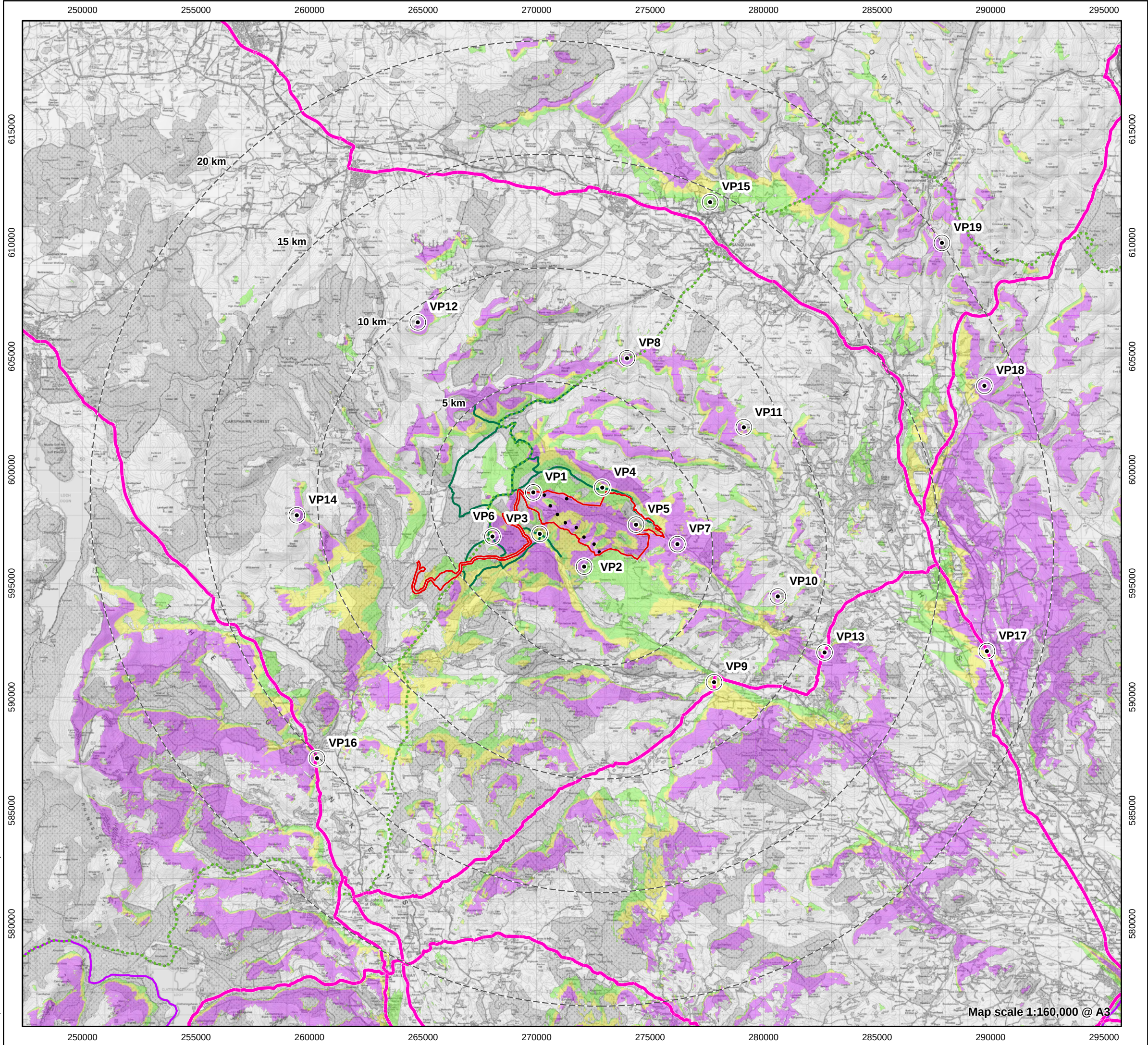
Hub Height (119 m) Zone of Theoretical Visibility (ZTV) and Viewpoint Locations

Appin Wind Farm

EIA Report

Map scale 1:340,000 @ A3

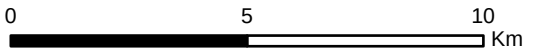
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- Site Boundary
- Turbine
- 5 km Interval from Outermost Turbines
- A Road
- National Cycle Network
- Core Path within 5 km of Outermost Turbines
- Southern Upland Way
- Zone of Theoretical Visibility (Hub Height 119 m)**
 - 1 - 3 Turbine Hubs Visible
 - 4 - 6 Turbine Hubs Visible
 - 7 - 9 Turbine Hubs Visible
- Viewpoint

VP1: Colt Hill, Striding Arch	VP11: Cairnkinna Hill
VP2: Bail Hill, Striding Arch	VP12: Blackcraig Hill
VP3: Cairnhead, Striding Arch	VP13: A702, Shinnel Water Valley
VP4: Shinnelhead	VP14: Cairnsmore of Carsphairn
VP5: High Appin	VP15: Crawick Multiverse
VP6: Benbrack, Striding Arch	VP16: A713, near Stroangassel
VP7: Shinnel Water Valley near Craigencon	VP17: A76, south of Closeburn
VP8: SUW near Cloud Hill	VP18: Durisdeer Rig
VP9: Moniaive	VP19: East Mount Lowther
VP10: Auchengibbert Hill	

Note:
The ZTV is calculated to turbine hub height (119 m) from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 5 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0 software.

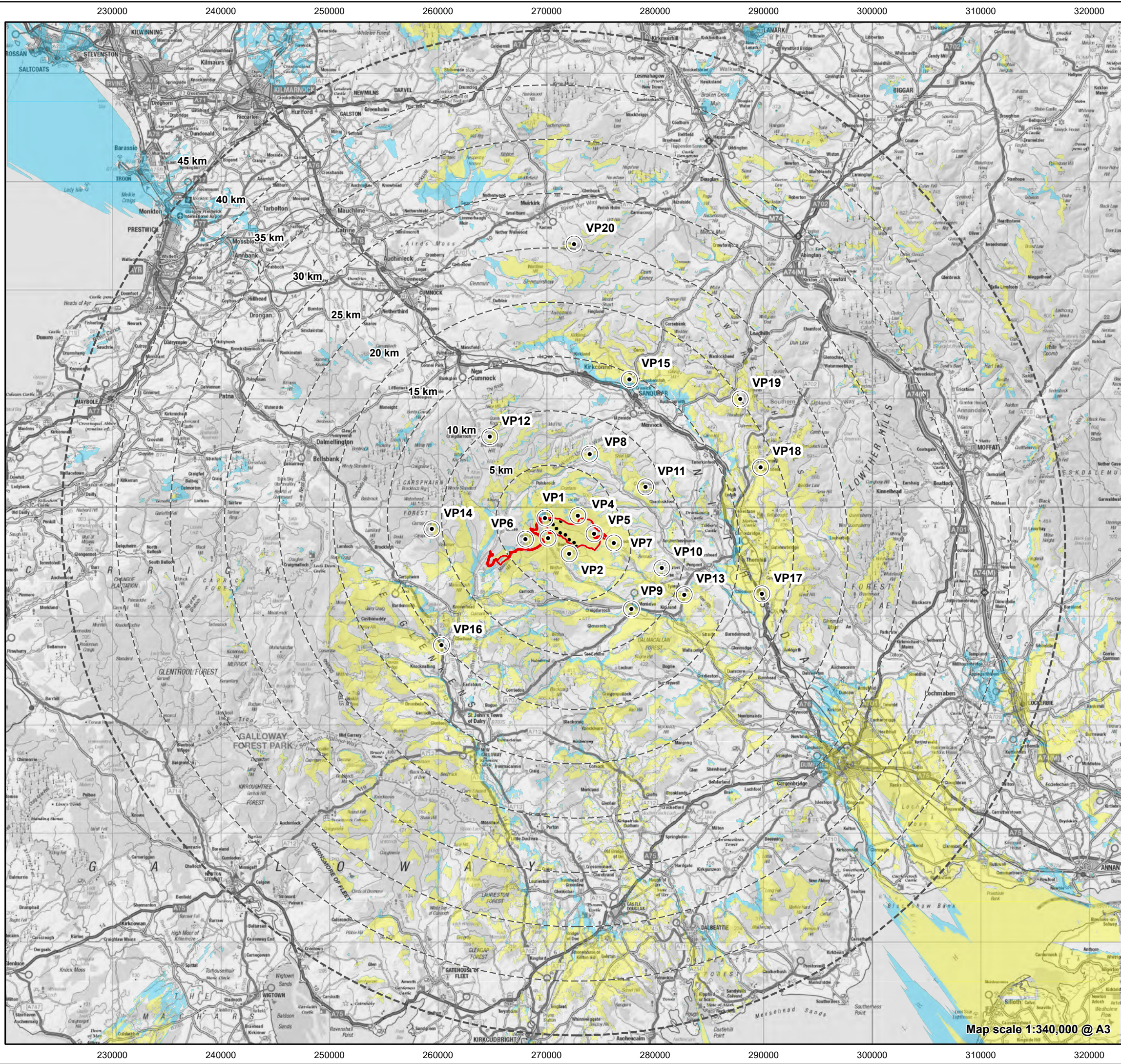


Source: LUC, Pell Frischmann, NatureScot, OS, SG, Sustrans

Produced By: HD	Date: 08/05/2025
Checked By: NE	Ref: 11634_EIA_LVIA
Version: 00	

Figure 5.3b
Hub Height (119 m) Zone of Theoretical Visibility (ZTV) and Visual Receptors

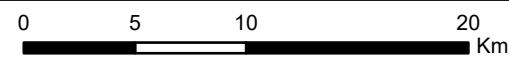
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- Site Boundary
- Turbine
- 5 km Interval from Outermost Turbines
- 45 km LVIA Study Area
- Comparative Zone of Theoretical Visibility**
 - Turbine Blade Tips Visible
 - Both Turbine Blade Tips and Hubs Visible
- Viewpoint

- | | |
|---|----------------------------------|
| VP1: Colt Hill, Striding Arch | VP11: Cairnkinna Hill |
| VP2: Bail Hill, Striding Arch | VP12: Blackcraig Hill |
| VP3: Cairnhead, Striding Arch | VP13: A702, Shinnel Water Valley |
| VP4: Shinnelhead | VP14: Cairnsmore of Carsphairn |
| VP5: High Appin | VP15: Crawick Multiverse |
| VP6: Benbrack, Striding Arch | VP16: A713, near Stroangassel |
| VP7: Shinnel Water Valley near Craigencon | VP17: A76, south of Closeburn |
| VP8: SUW near Cloud Hill | VP18: Durisdeer Rig |
| VP9: Moniaive | VP19: East Mount Lowther |
| VP10: Auchengibbert Hill | VP20: Cairn Table |

Note:
The ZTV is calculated to turbine tip height (200 m) and hub height (119 m) from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 5 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0 software.

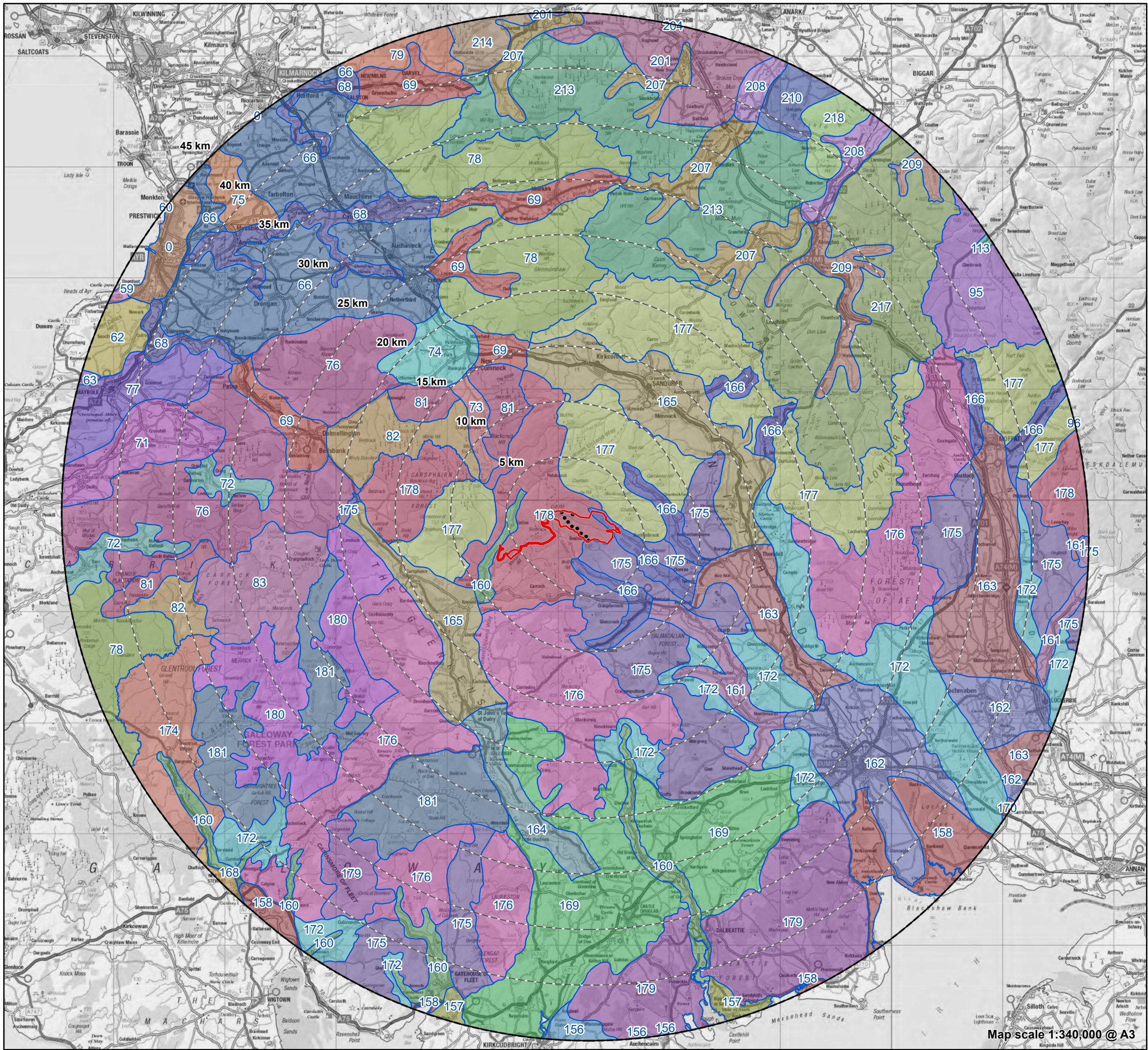


Source: LUC, Pell Frischmann, OS

Produced By: HD	Date: 08/04/2025
Checked By: NE	Ref: 11634_EIA_LVIA
Version: 00	

Figure 5.4
Blade Tip Height (200 m) and Hub Height (119 m) Comparative Zone of Theoretical Visibility (ZTV) and Viewpoint Locations

Map scale 1:340,000 @ A3



- Site Boundary
 - Turbine
 - 5 km Interval from Outermost Turbines
 - 45 km LVIA Study Area
 - Landscape Character Type - NatureScot 2019
- For detail on the different LCTs see figure 5.5c.

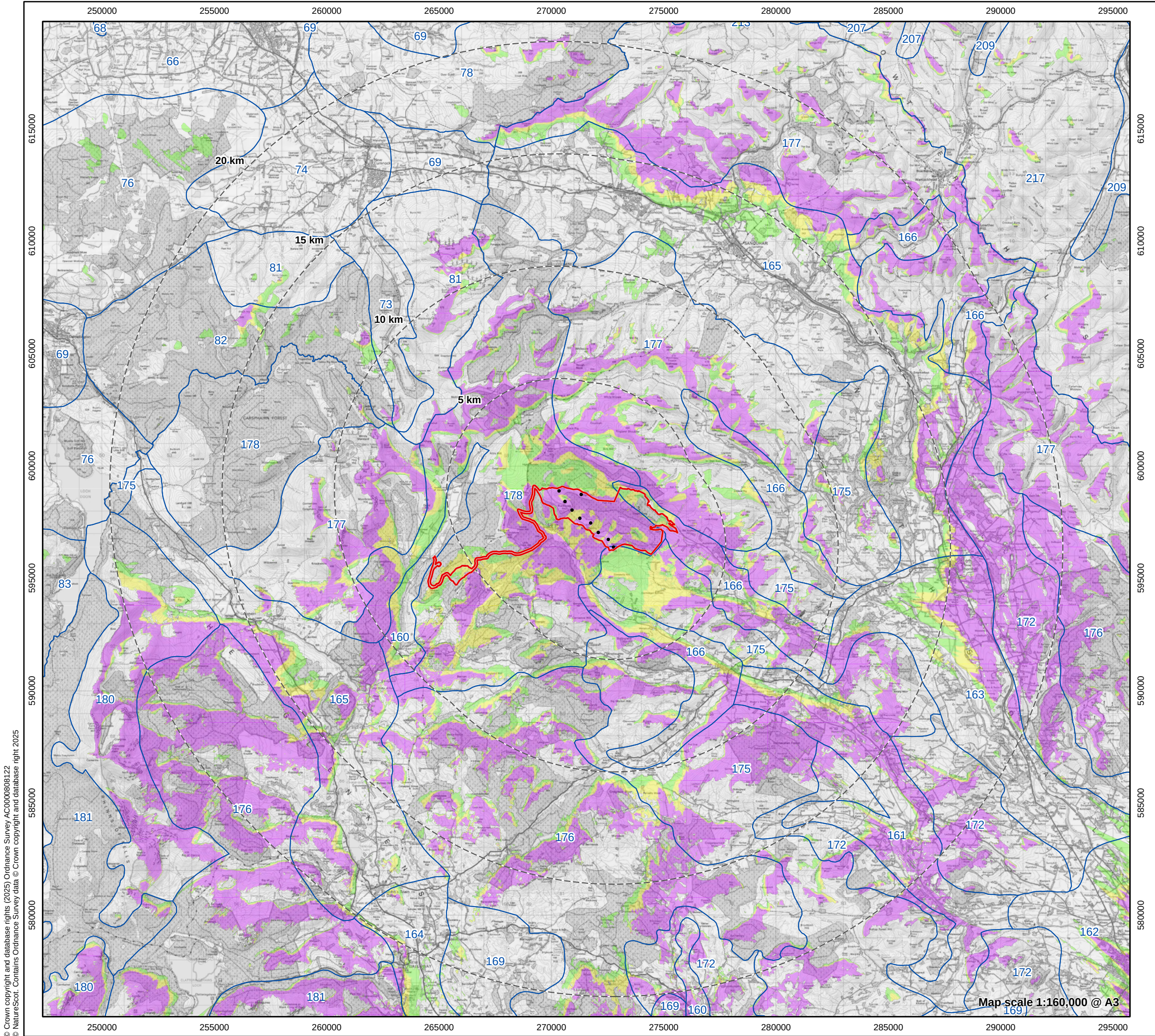
0 5 10 20 Km

Source: LUC, Pell Frischmann, NatureScot, OS

Produced By: HD
Checked By: NE
Version: 00

Date: 08/04/2025
Ref: 11634_EIA_LVIA

Figure 5.5a
Landscape Character Types



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Site Boundary

Turbine

5 km Interval from Outermost Turbines

45 km LVIA Study Area

Landscape Character Types - NatureScot 2019

For detail on the different LCTs see figure 5.5c.

Zone of Theoretical Visibility (Tip Height 200 m)

1 - 3 Turbine Blade Tips Visible

4 - 6 Turbine Blade Tips Visible

7 - 9 Turbine Blade Tips Visible

Note:

The ZTV is calculated to turbine tip height (200 m) from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 5 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0 software.

0510

Km

Source: LUC, Pell Frischmann, NatureScot, OS

Produced By: HD

Date: 08/05/2025

Checked By: NE

Ref: 11634_EIA_LVIA

Version: 00

Figure 5.5b

Landscape Character Types with Blade Tip Height (200 m) Zone of Theoretical Visibility (ZTV)

Appin Wind Farm

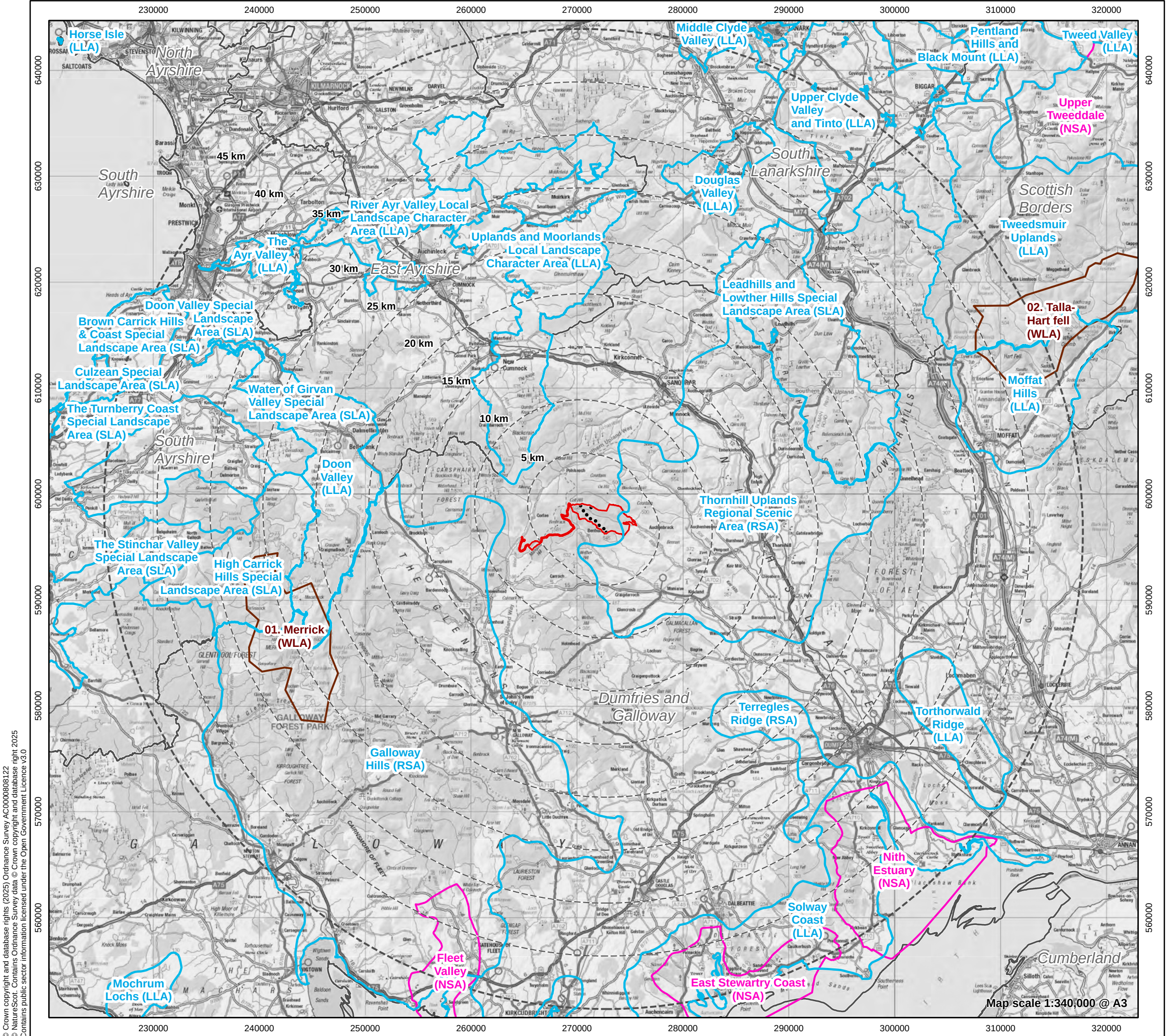
EIA Report

Map scale 1:160,000 @ A3

Landscape Character Types - NatureScot 2019

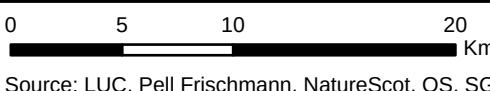
0: Urban	181: Rugged Uplands with Forest - Dumfries & Galloway	82: Southern Uplands with Forest - Ayrshire
102: Upland Fringe with Prominent Hills	200: Rolling Farmland - Glasgow & Clyde Valley	83: Rugged Upland - Ayrshire
113: Upland Valley with Pastoral Floor	201: Plateau Farmland - Glasgow & Clyde Valley	90: Dissected Plateau Moorland
114: Pastoral Upland Valley	204: Incised River Valleys	92: Plateau Outliers
116: Upland Valley with Woodland	207: Upland River Valley - Glasgow & Clyde Valley	93: Southern Uplands with Scattered Forest - Borders
156: Peninsula	208: Broad Valley Upland	95: Southern Uplands - Borders
157: Peninsula with Gorsey Knolls	209: Upland Glen - Glasgow & Clyde Valley	96: Southern Uplands with Forest - Borders
158: Coastal Flats - Dumfries & Galloway	210: Undulating Farmland and Hills	99: Rolling Farmland - Borders
159: Shallow Flat Bottomed Valley	212: Moorland Hills - Glasgow & Clyde Valley	
160: Narrow Wooded River Valley - Dumfries & Galloway	213: Plateau Moorlands - Glasgow & Clyde Valley	
161: Pastoral Valley - Dumfries & Galloway	214: Plateau Moorland with Windfarms - Glasgow & Clyde Valley	
162: Lower Dale - Dumfries & Galloway	217: Southern Uplands - Glasgow & Clyde Valley	
163: Middle Dale - Dumfries & Galloway	218: Rounded Landmark Hills	
164: Flooded Valley	219: Broad River Valley	
165: Upper Dale - Dumfries & Galloway	266: Plateau Moorland - Lothians	
166: Upland Glens - Dumfries & Galloway	59: Raised Beach Coast and Cliffs	
167: Moss and Forest Lowland	60: Low-Lying Coast	
168: Drumlin Pasture in Moss and Moor Lowland	62: Coastal Headlands	
169: Drumlin Pastures	63: Coastal Valley with Policies	
170: Coastal Plateau - Dumfries & Galloway	66: Agricultural Lowlands - Ayrshire	
171: Flow Plateau	67: Broad Valley Lowlands - Ayrshire	
172: Upland Fringe - Dumfries & Galloway	68: Lowland River Valleys - Ayrshire	
173: Plateau Moorland - Dumfries & Galloway	69: Upland River Valleys - Ayrshire	
174: Plateau Moorland with Forest - Dumfries & Galloway	70: Lower Dale - Ayrshire	
175: Foothills - Dumfries & Galloway	71: Middle Dale - Ayrshire	
176: Foothills with Forest - Dumfries & Galloway	72: Pastoral Valleys - Ayrshire	
177: Southern Uplands - Dumfries & Galloway	73: Upland Glen - Ayrshire	
178: Southern Uplands with Forest - Dumfries & Galloway	74: Upland Basin - Ayrshire	
179: Coastal Uplands	75: Lowland Hills - Ayrshire	
180: Rugged Uplands - Dumfries & Galloway	76: Foothills - Ayrshire	
	77: Low Hills - Ayrshire	
	78: Plateau Moorland - Ayrshire	
	79: Plateau Moorland with Windfarms - Ayrshire	
	80: Rugged Moorland Hills and Valleys	
	81: Southern Uplands - Ayrshire	

Figure 5.5c
Landscape Character Types list



- Site Boundary
- Turbine
- 5 km Interval from Outermost Turbines
- 45 km LVIA Study Area
- Local Landscape Designation (LLA)*
- Wildland (WLA)
- National Scenic Area (NSA)
- Local Planning Authority Boundary

*Local landscape designations are named differently by local authorities. They are named "Regional Scenic Areas (RSA)" in Dumfries and Galloway; "Special Landscape Areas (SLA)" in West Lothian, Scottish Borders; and "Scenic Areas" in South Ayrshire.



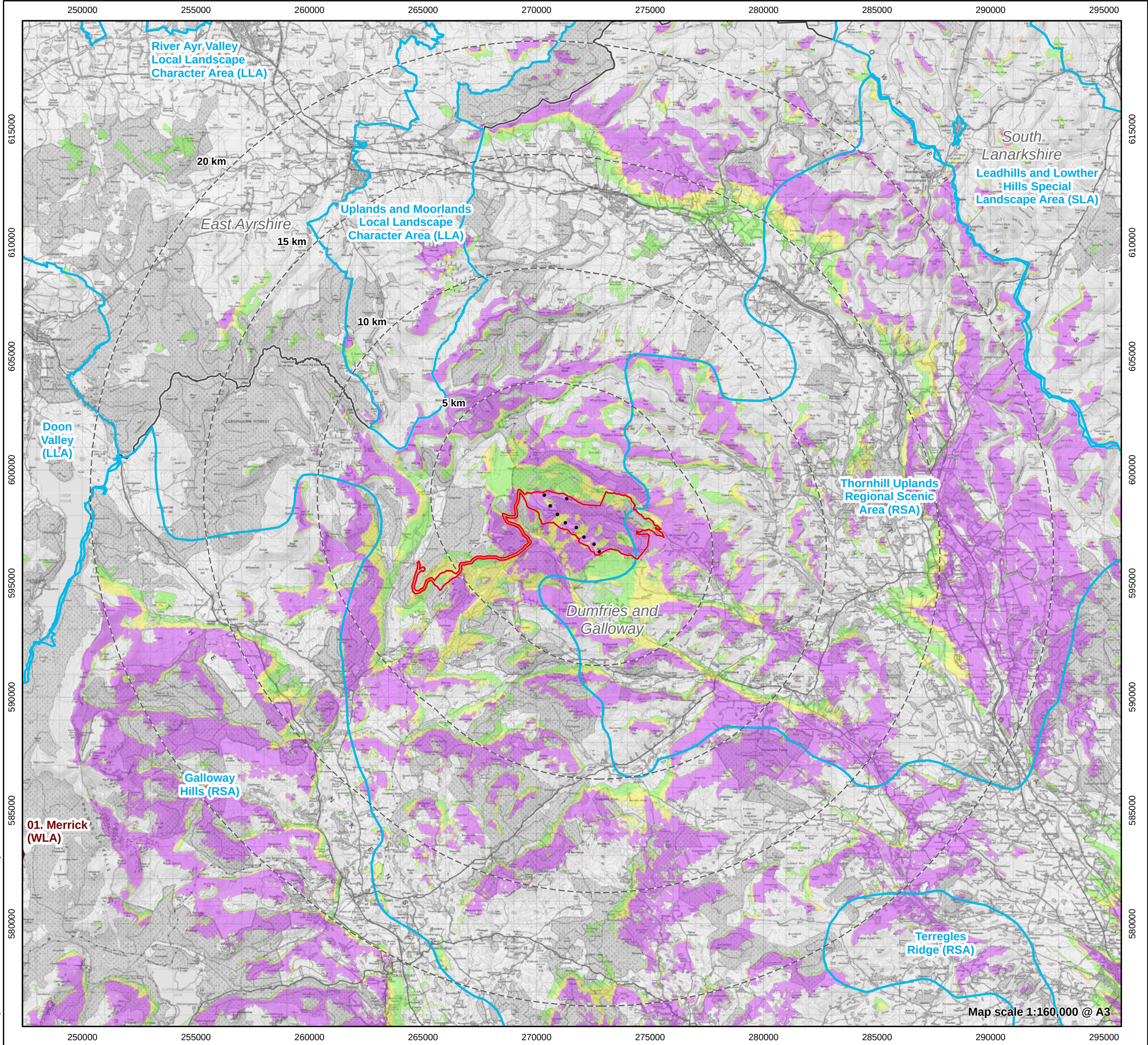
Source: LUC, Pell Frischmann, NatureScot, OS, SG

Produced By: HD
Checked By: NE
Version: 00

Date: 30/04/2025
Ref: 11634_EIA_LVIA

Figure 5.6a
Designated Landscapes and Wild Land Areas

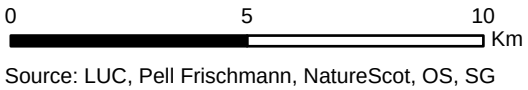
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- Site Boundary
- Turbine
- 5 km Interval from Outermost Turbines
- 45 km LVIA Study Area
- National Scenic Area (NSA)
- Local Landscape Designation (LLA)*
- Wildland (WLA)
- Local Planning Authority Boundary
- Zone of Theoretical Visibility (Tip Height 200 m)**
 - 1 - 3 Turbine Blade Tips Visible
 - 4 - 6 Turbine Blade Tips Visible
 - 7 - 9 Turbine Blade Tips Visible

*Local landscape designations are named differently by local authorities. They are named "Regional Scenic Areas (RSA)" in Dumfries and Galloway; "Special Landscape Areas (SLA)" in West Lothian, Scottish Borders; and "Scenic Areas" in South Ayrshire.

Note:
The ZTV is calculated to turbine tip height (200 m) from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 5 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0 software.



Source: LUC, Pell Frischmann, NatureScot, OS, SG

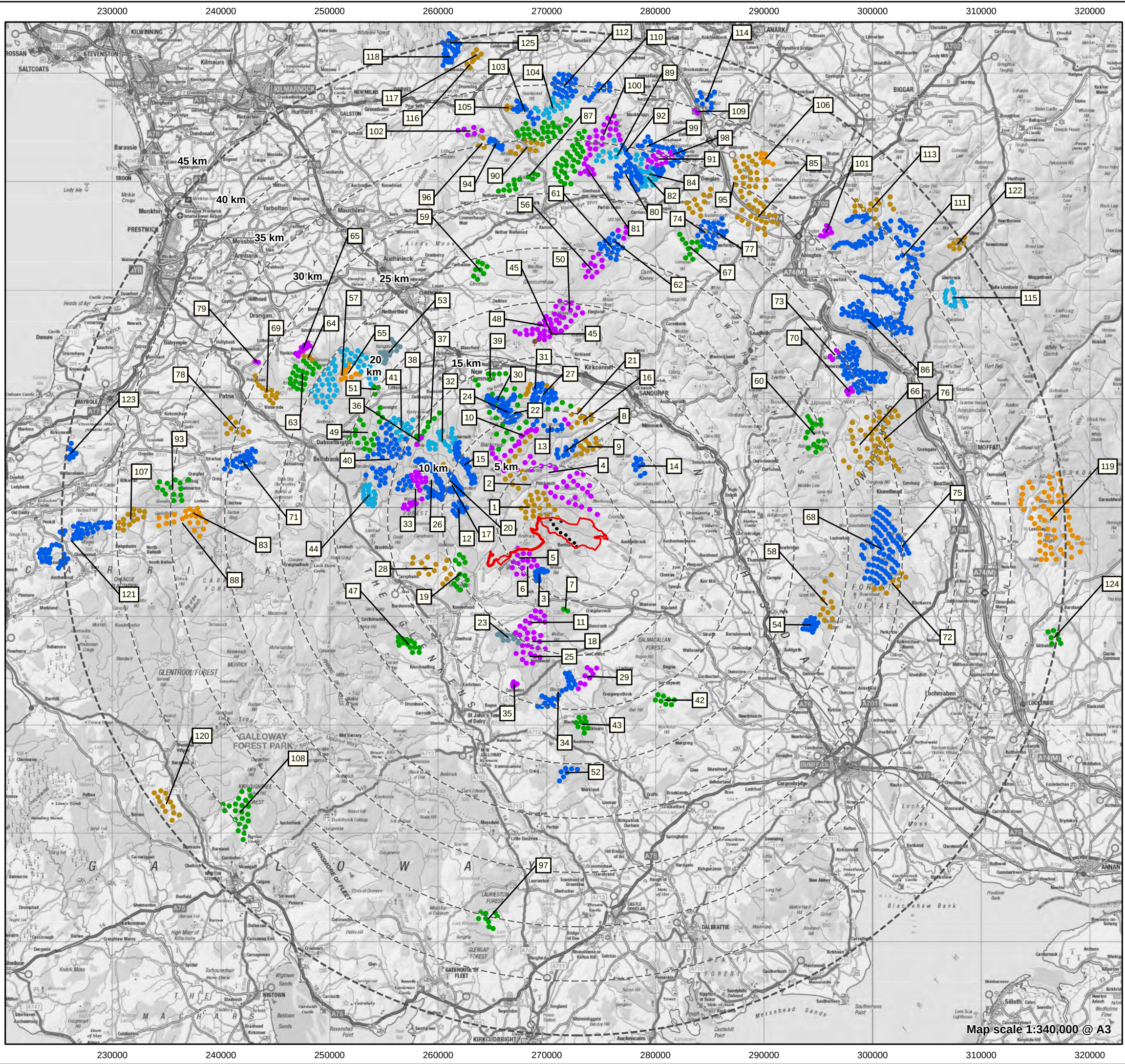
Produced By: HD Date: 30/04/2025
Checked By: NE Ref: 11634_EIA_LVIA
Version: 00

Figure 5.6b
Designated Landscapes and Wild Land Areas
with Blade Tip Height (200 m) Zone of
Theoretical Visibility (ZTV)

Appin Wind Farm
EIA Report

Map scale 1:160,000 @ A3

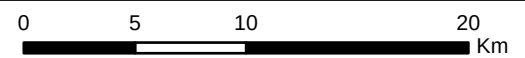
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- Site Boundary
- Turbine
- 5 km Interval from Outermost Turbines
- 45 km LVIA Study Area
- Wind Farm Location (By Status)
 - Operational
 - Under Construction
 - Consented
 - Application Submitted
 - Application Submitted (Previously Consented)
 - Appeal/Public Inquiry
 - Design/Scoping
 - Design/Scoping (Previously Consented)

For a detailed list of cumulative sites see figure 5.7b

Notes:
Cumulative scheme cut off date is 24/02/2025.
Mapped scoping stage schemes have not been included in cumulative wirelines or considered in CLVIA.



Source: LUC, Pell Frischmann, OS

Produced By: HD
Checked By: NE
Version: 00

Date: 08/05/2025
Ref: 11634_EIA_LVIA

Figure 5.7a
Other Wind Farm Developments - 45 km

Operational

- 3: Wether Hill
- 8: Whiteside Hill
- 12: Windy Rig
- 13: Sanquhar Community Windfarm
- 14: Twentyshilling Hill
- 15: Afton
- 17: Windy Standard I
- 24: Hare Hill Phase 2
- 26: Windy Standard II
- 27: Sandy Knowe
- 30: Hare Hill Phase 1
- 34: Blackcraig Hill
- 40: South Kyle
- 54: Dalswinton
- 61: Kennoxhead
- 68: Harestanes
- 52: Mochrum Fell
- 71: Dersalloch
- 74: Andershaw
- 75: Minnygap
- 77: Middle Muir
- 80: Galawhistle (Section 36)
- 84: Hagshaw Hill Extension
- 86: Clyde
- 92: Nutberry
- 94: Bankend Rig
- 98: Douglas West
- 99: Dalquhandy
- 103: Dungavel
- 110: Auchrobert
- 111: Clyde Extension
- 112: Kype Muir
- 114: Broken Cross
- 118: Calder Water
- 121: Hadyard Hill
- 123: Kirk Hill - Kirkoswald
- 125: West Browncastle

Consented

- 4: Sanquhar II
- 5: Manquhill
- 6: Cornharrow
- 10: Sanquhar Six
- 11: Troston Loch
- 18: Margree

- 25: Divot Hill
- 29: Fell
- 33: Windy Standard III
- 35: Knockman Hill
- 36: Enoch Hill 2
- 48: Lethans
- 50: Lethans Extension
- 56: Kennoxhead Extension II
- 62: Kennoxhead Extension
- 65: Polquhairn
- 70: Lion Hill
- 73: Crookedstane
- 79: Knockshinnoch
- 81: Hare Craig
- 91: Douglas West Extension
- 100: Cumberhead West
- 101: Priestgill
- 102: Mill Rig
- 109: Birkhill

Under Construction

- 32: Pencloe
- 41: Enoch Hill
- 44: Benbrack Variation
- 57: North Kyle Energy Project
- 82: Hagshaw Hill Repowering
- 89: Cumberhead
- 104: Kype Muir Extension
- 115: Whitelaw Brae

Application Submitted

- 1: Lorg
- 2: Euchanhead
- 9: Cloud Hill
- 16: Rowancraig
- 20: Windy Standard I Repowering
- 21: Herds Hill
- 28: Quantans Hill
- 31: Sandy Knowe Extension
- 58: Harestanes West
- 64: Rigmuir
- 66: Daer
- 69: Knockkippen
- 72: Harestanes South
- 76: Rivox
- 78: Sclenteuch

- 85: M74 West Renewable Energy Park
- 90: Bankend Rig III
- 95: Bodinglee
- 96: Bankend Rig Extension
- 105: Hallsburn Farm
- 107: Craiginmoddie
- 113: Grayside
- 116: Low Drumclog
- 117: Mossmulloch
- 120: Glenvernoch
- 122: Oliver Forest

Appeal/Public Inquiry

- 55: Overhill
- 83: Knockcronal
- 88: Carrick
- 106: Little Gala
- 119: Scoop Hill Community

Design/Scoping

- 7: Knockaughlie Hill
 - 19: Shepherds Rig
 - 22: Hare Hill Repowering
 - 37: Pencloe Extension
 - 38: Monquhill
 - 39: Blackwood (East Ayrshire)
 - 42: Collieston
 - 43: Garcrogo
 - 47: Knocknalling
 - 49: South Kyle 2
 - 51: Lanehead
 - 59: Drum
 - 60: Watchman Energy Park
 - 63: Breezy Hill
 - 67: West Andershaw
 - 87: Hagshaw Energy Cluster Western Expansion
 - 93: Back Fell
 - 97: Lairdmannoch
 - 108: Blair Hill (formerly Cairnsmore)
 - 124: Balgray
- Application Submitted (Previously Consented)
- 23: Glenshimmeroch
 - 53: Greenburn Wind Park

Design/Scoping (Previously Consented)

- 45: Glenmuckloch

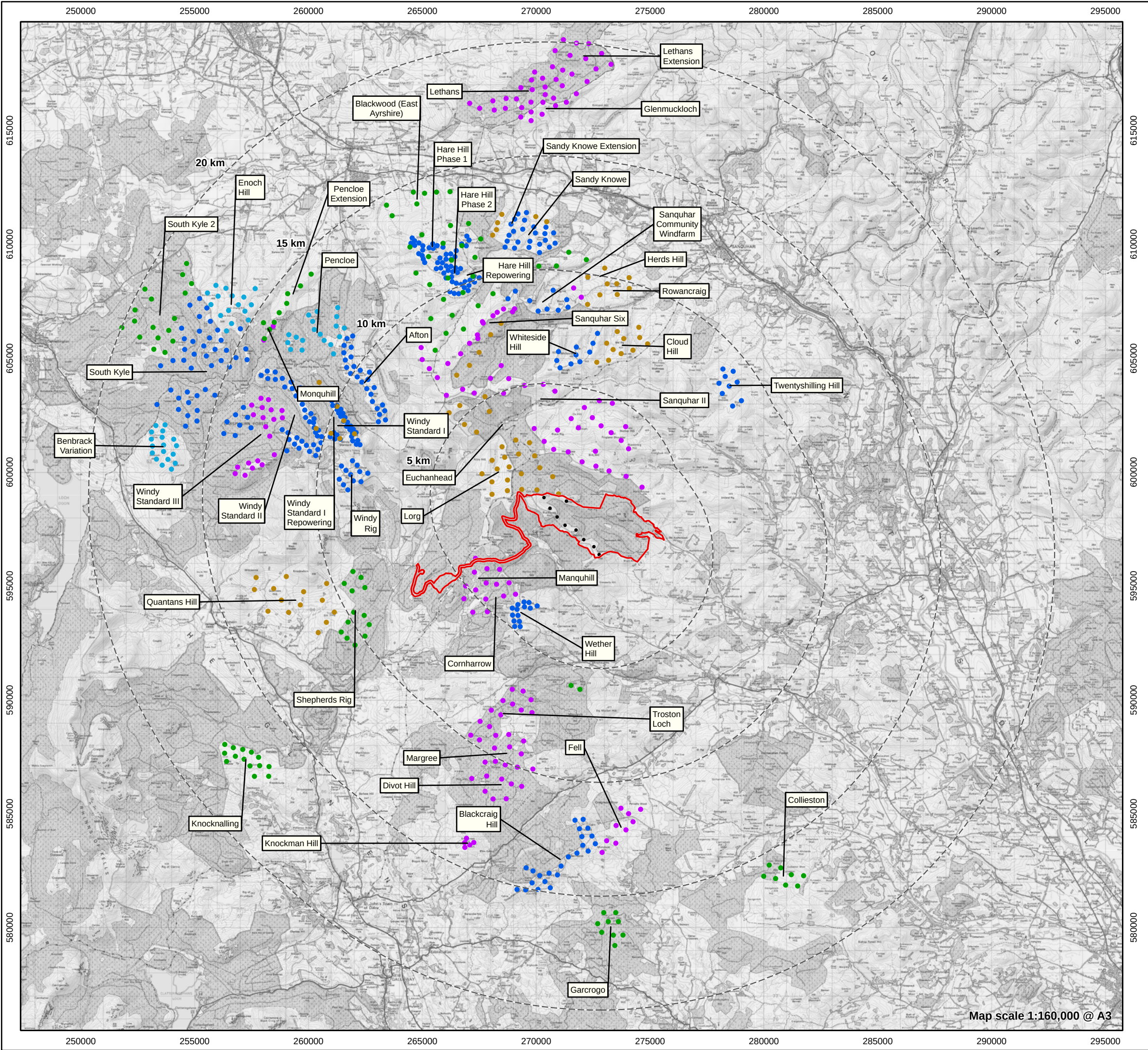


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Ref: 11634_EIA_LVIA

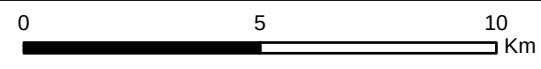
Figure 5.7b
Other Wind Farm Developments - 45 km
cumulative wind farm list

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-  Site Boundary
-  Turbine
-  5 km Interval from Outermost Turbines
- Wind Farm Location (By Status)**
 -  Operational
 -  Under Construction
 -  Consented
 -  Application Submitted
 -  Design/Scoping

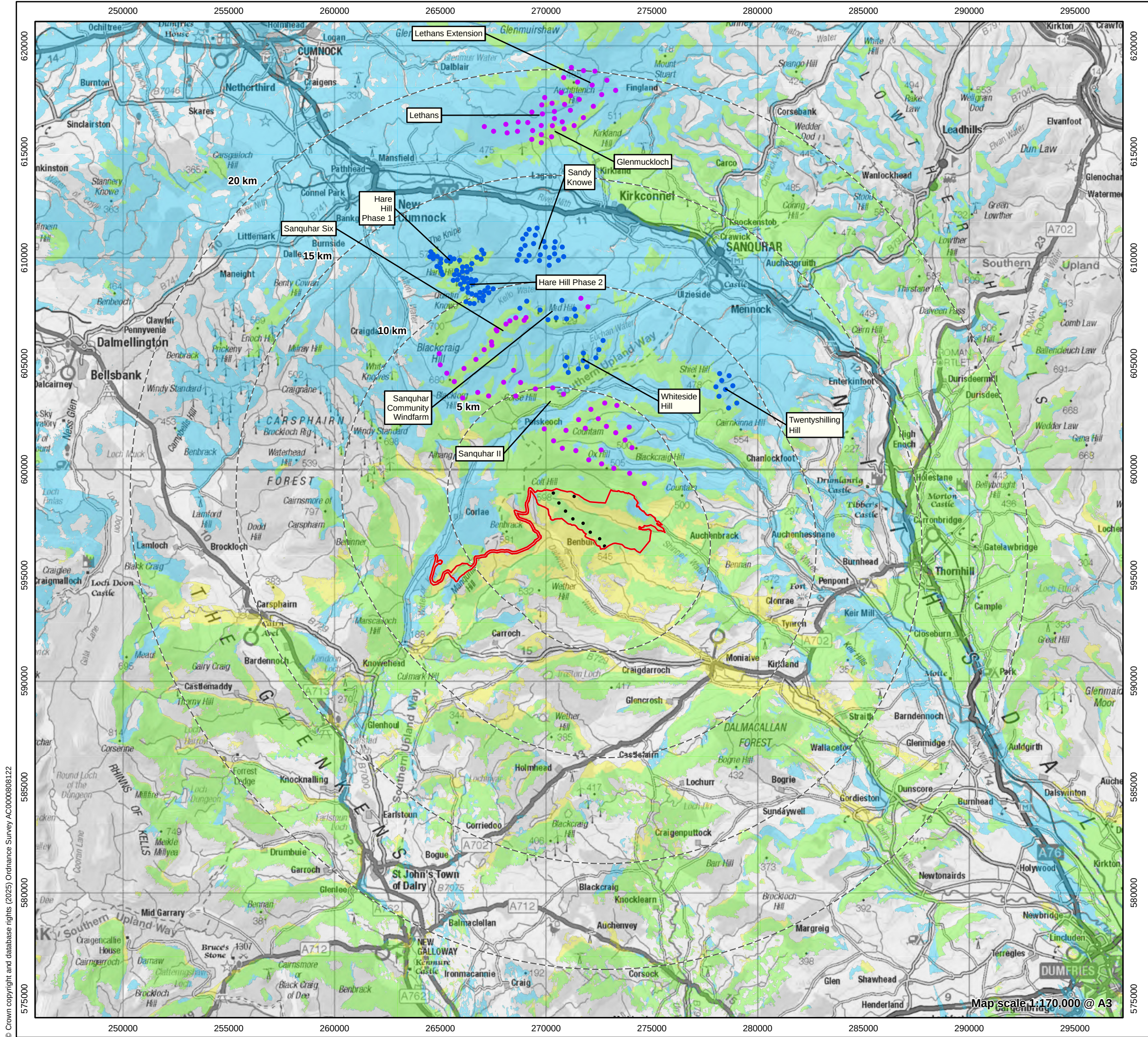
Notes:
Cumulative scheme cut off date is 24/02/2025.
Mapped scoping stage schemes have not been included in cumulative wirelines or considered in CLVIA.



Source: LUC, Pell Frischmann, OS

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Figure 5.7c
Other Wind Farm Developments - 20 km





Statkraft



Site Boundary

Turbine

5 km Interval from Outermost Turbines

Wind Farm Location (By Status)

Operational

Consented

Zone of Theoretical Visibility

Only North Group Operational and Consented Wind Farms Visible

Only Appin Wind Farm Visible

North Group Operational, Consented, and Appin Wind Farms Visible

Note:

The comparative ZTV indicates the visibility of operational and consented wind farms and Appin Wind Farm calculated to turbine tip heights from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 5 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0 software.

0

5

10

Km

Source: LUC, Pell Frischmann, OS

Produced By: HD

Date: 22/04/2025

Checked By: NE

Ref: 11634_EIA_LVIA

Version: 00

Figure 5.8a

Cumulative Zone of Theoretical Visibility (CZTV)

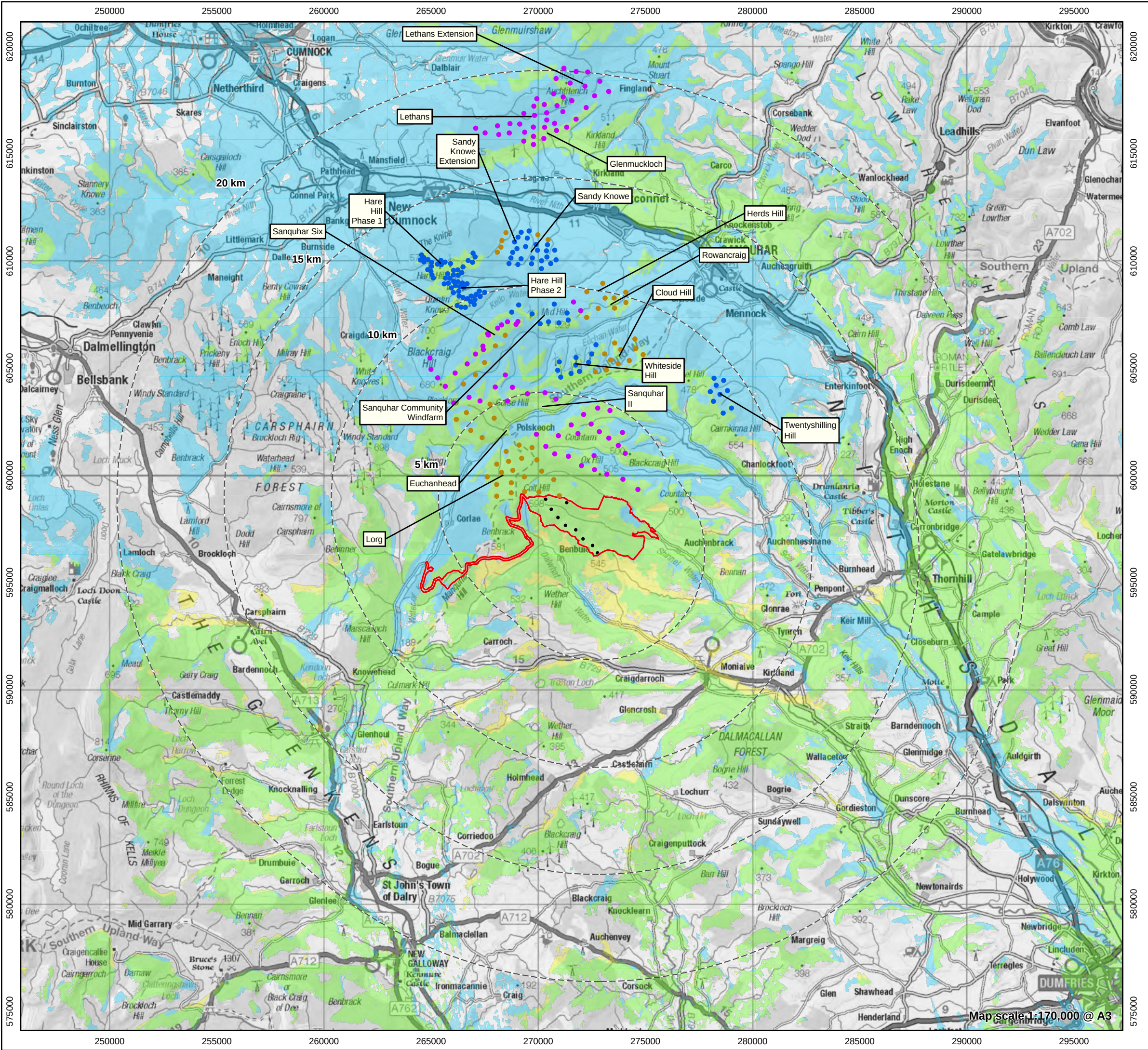
North Group Scenario 1

Operational and Consented

Appin Wind Farm

EIA Report

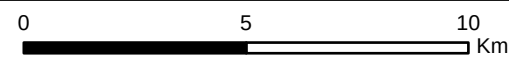
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- Site Boundary
- Turbine
- 5 km Interval from Outermost Turbines
- Wind Farm Location (By Status)**
 - Operational
 - Consented
 - Application Submitted

- Zone of Theoretical Visibility**
 - Only North Group Operational, Consented, and Proposed Wind Farms Visible
 - Only Appin Wind Farm Visible
 - North Group Operational, Consented, Proposed, and Appin Wind Farms Visible

Note:
The comparative ZTV indicates the visibility of operational, consented, and proposed wind farms and Appin Wind Farm calculated to turbine tip heights from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 5 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0 software.

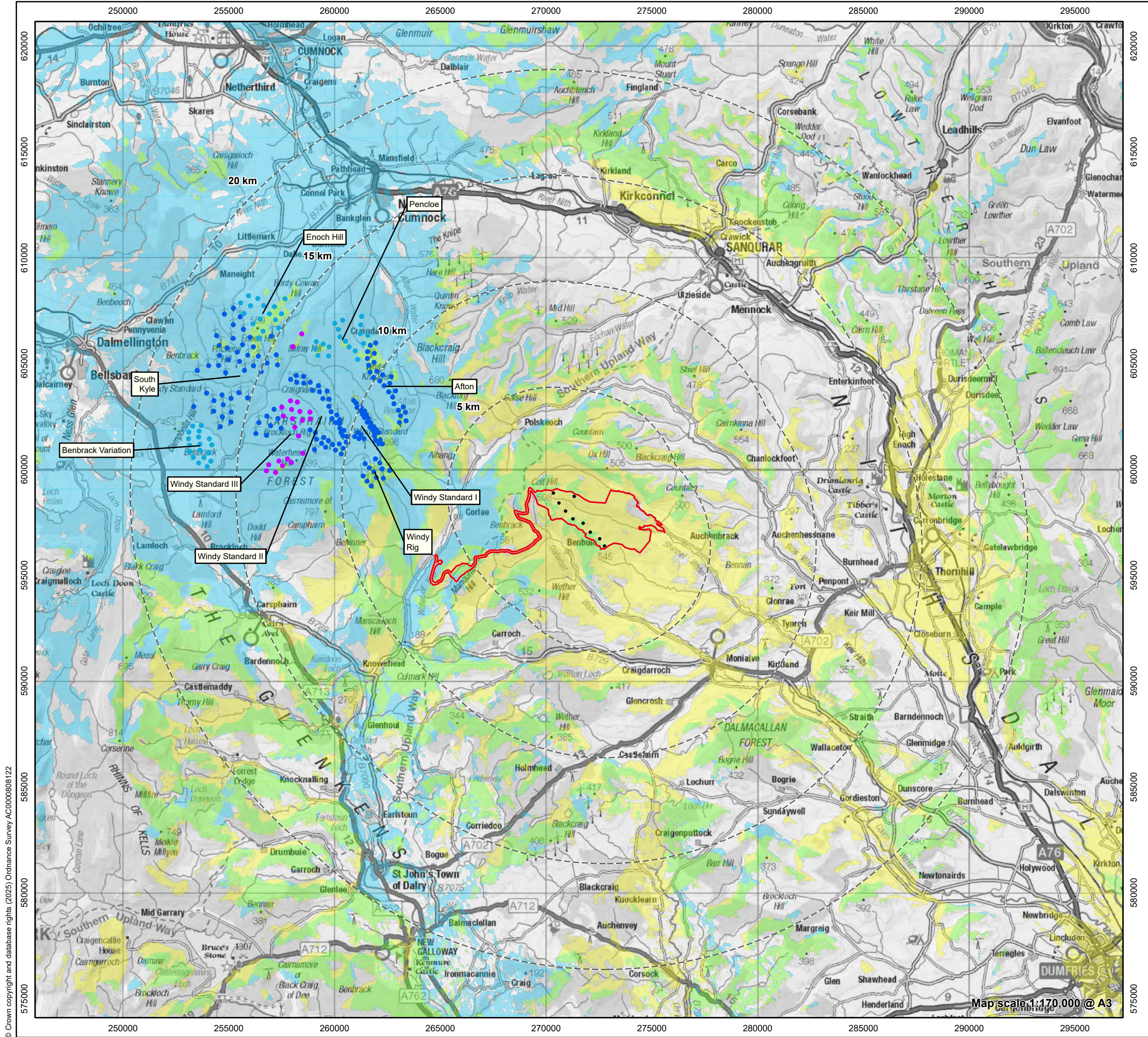


Source: LUC, Pell Frischmann, OS

Produced By: HD
Checked By: NE
Version: 00

Date: 29/04/2025
Ref: 11634_EIA_LVIA

Figure 5.8b
Cumulative Zone of Theoretical Visibility (CZTV)
North Group Scenario 2
Operational, Consented, and Proposed





Site Boundary

Turbine

5 km Interval from Outermost Turbines

Wind Farm Location (By Status)

- Operational
- Under Construction
- Consented

Zone of Theoretical Visibility

- Only West Group Operational and Consented Wind Farms Visible
- Only Appin Wind Farm Visible
- West Group Operational, Consented, and Appin Wind Farms Visible

Note:

The comparative ZTV indicates the visibility of operational and consented wind farms and Appin Wind Farm calculated to turbine tip heights from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 5 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0 software.

0

5

10

Km

Source: LUC, Pell Frischmann, OS

Produced By: HD

Date: 11/04/2025

Checked By: NE

Ref: 11634_EIA_LVIA

Version: 00

Figure 5.9a

Cumulative Zone of Theoretical Visibility (CZTV)

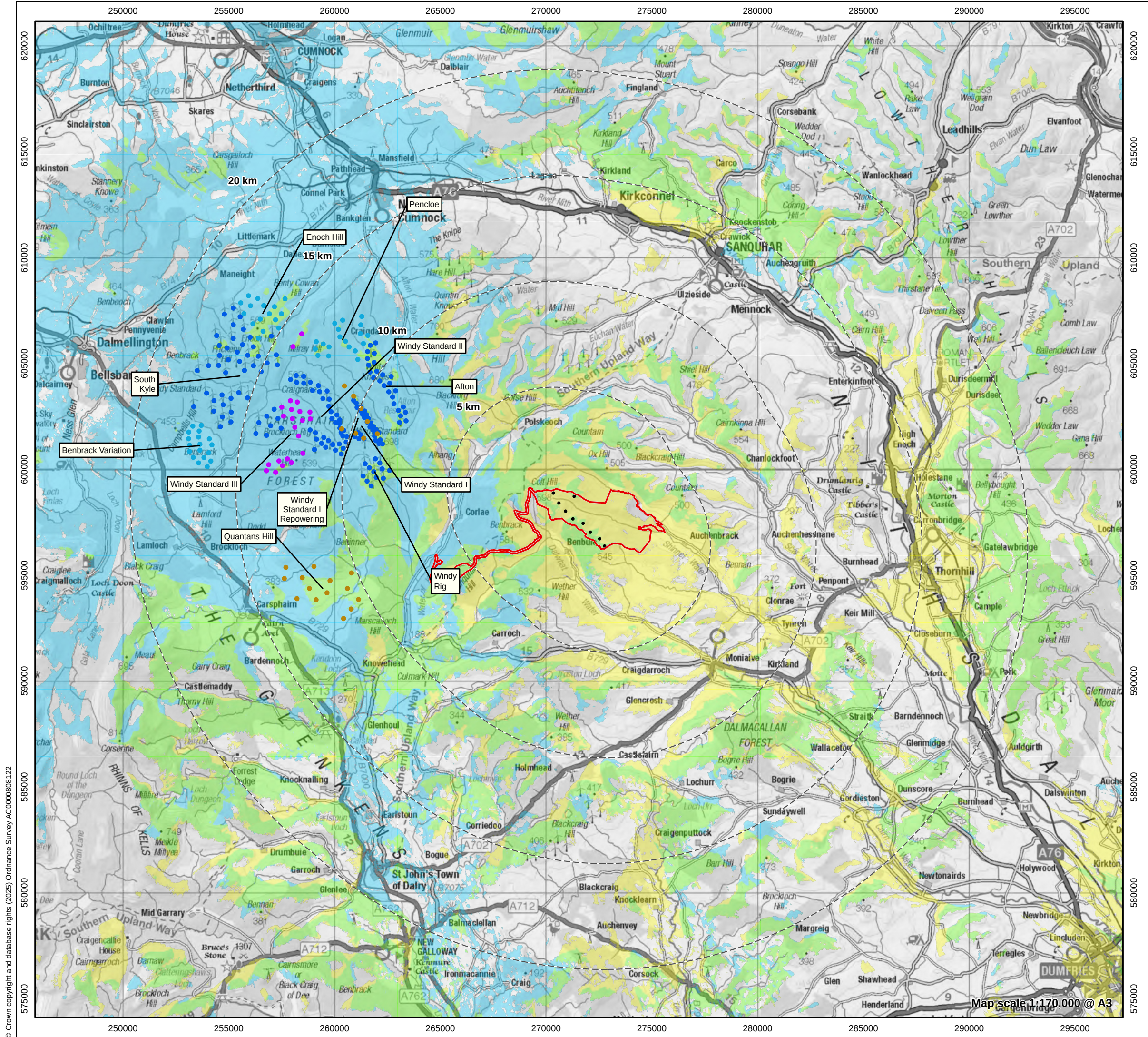
West Group Scenario 1

Operational and Consented

Appin Wind Farm

EIA Report

Map scale 1:170,000 @ A3





Site Boundary

Turbine

5 km Interval from Outermost Turbines

Wind Farm Location (By Status)

Operational

Under Construction

Consented

Application Submitted

Zone of Theoretical Visibility

Only West Group Operational, Consented, and Proposed Wind Farms Visible

Only Appin Wind Farm Visible

West Group Operational, Consented, Proposed, and Appin Wind Farms Visible

Note:

The comparative ZTV indicates the visibility of operational, consented, and proposed wind farms and Appin Wind Farm calculated to turbine tip heights from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 5 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0 software.

0

5

10

Km

Source: LUC, Pell Frischmann, OS

Produced By: HD

Date: 22/04/2025

Checked By: NE

Ref: 11634_EIA_LVIA

Version: 00

Figure 5.9b

Cumulative Zone of Theoretical Visibility (CZTV)

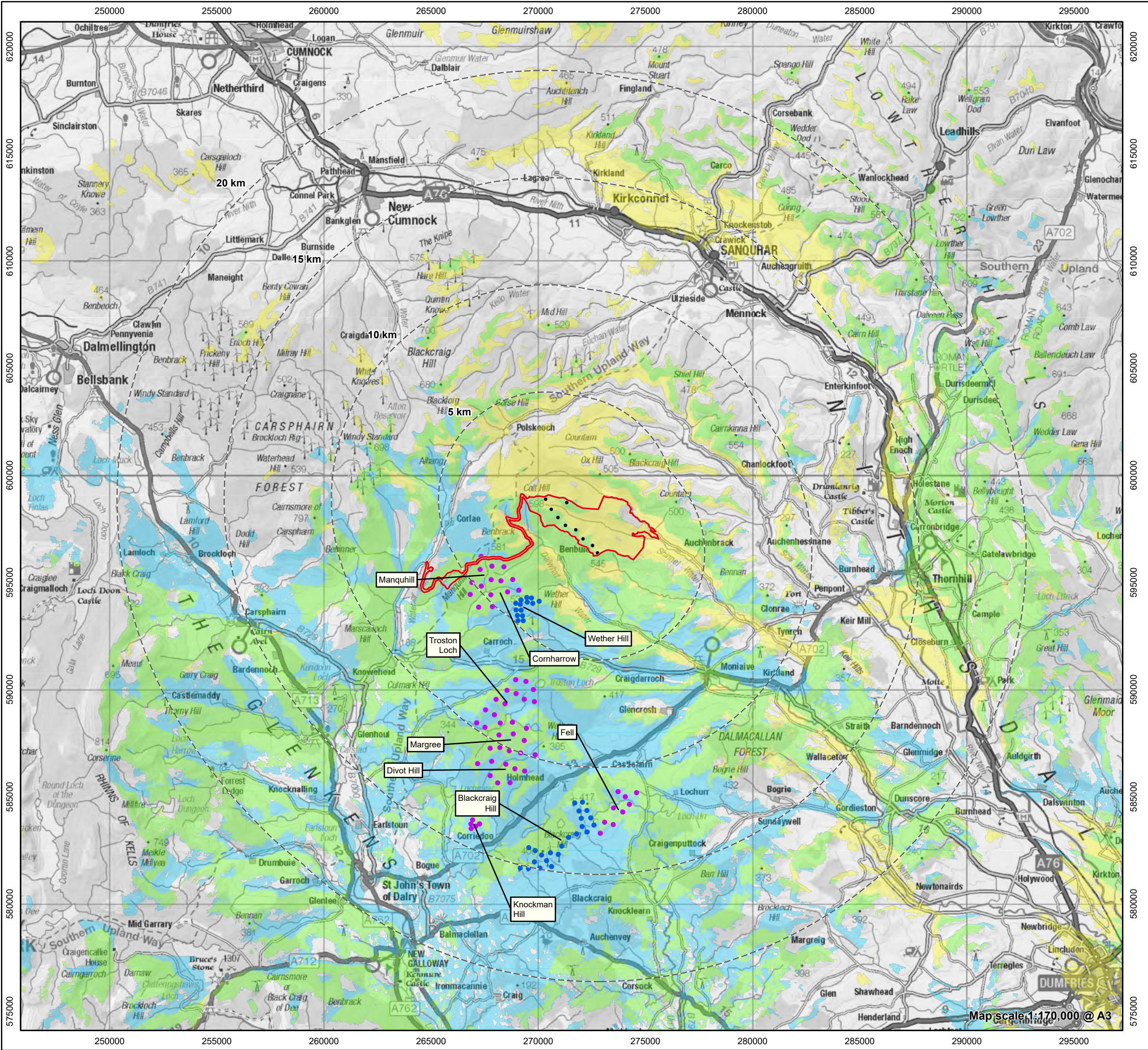
West Group Scenario 2

Operational, Consented, and Proposed

Appin Wind Farm

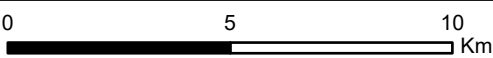
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- Site Boundary
- Turbine
- 5 km Interval from Outermost Turbines
- Wind Farm Location (By Status)**
 - Operational
 - Consented
- Zone of Theoretical Visibility**
 - Only South Group Operational and Consented Wind Farms Visible
 - Only Appin Wind Farm Visible
 - South Group Operational, Consented, and Appin Wind Farms Visible

Note:
The comparative ZTV indicates the visibility of operational and consented wind farms and Appin Wind Farm calculated to turbine tip heights from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 5 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcGIS Pro 3.4.0 software.



Source: LUC, Pell Frischmann, OS

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Version: 00	

Figure 5.10
Cumulative Zone of Theoretical Visibility (CZTV)
South Group Scenario 1
Operational and Consented