



Cloich Forest Wind Farm

Volume 2b – SEI Report LVIA Figures

November 2022

CLOICH FOREST WIND FARM

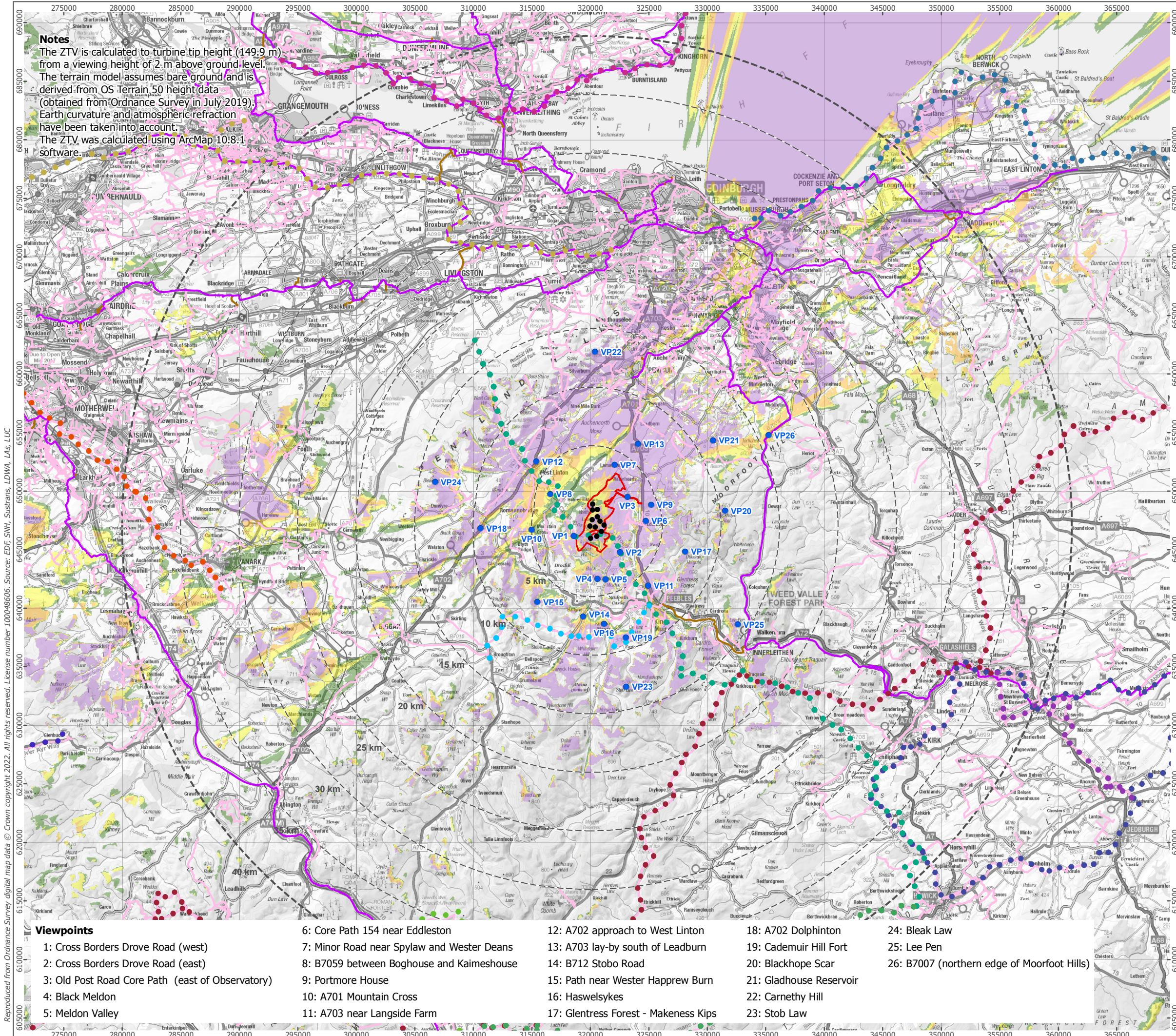
SEI Report – Volume 2b – SEI Report LVIA Figures

Chapter 5 – Landscape and Visual Impact Assessment

Figure 5.1.2a-b Blade Tip Height (149.9 m) ZTV

Figure 5.1.3a-b Hub Height (83.4 m) ZTV





Notes
 The ZTV is calculated to turbine tip height (149.9 m) from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2019). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.8.1 software.



- Site boundary
- Turbine location
- 5 km intervals from outermost turbines
- 40 km interval from outermost turbine
- Viewpoint location
- National Cycle Network (NCN)
- NCN Link
- Annandale Way
- Borders Abbeys Way
- Clyde Walkway
- Cross Borders Drive Road
- Fife Coastal Path
- Forth Clyde Canal/Union Canal
- John Muir Way
- River Ayr Way
- Romans and Reivers Route
- Southern Upland Way
- St Cuthbert's Way
- John Buchan Way
- Core path (indicative)

- Theoretical turbine tip visibility**
- 1-3 Turbines are visible
 - 4-6 Turbines are visible
 - 7-9 Turbines are visible
 - 10-12 Turbines are visible

1:315,000 Scale @ A3
 0 6 12 km ▲ NORTH

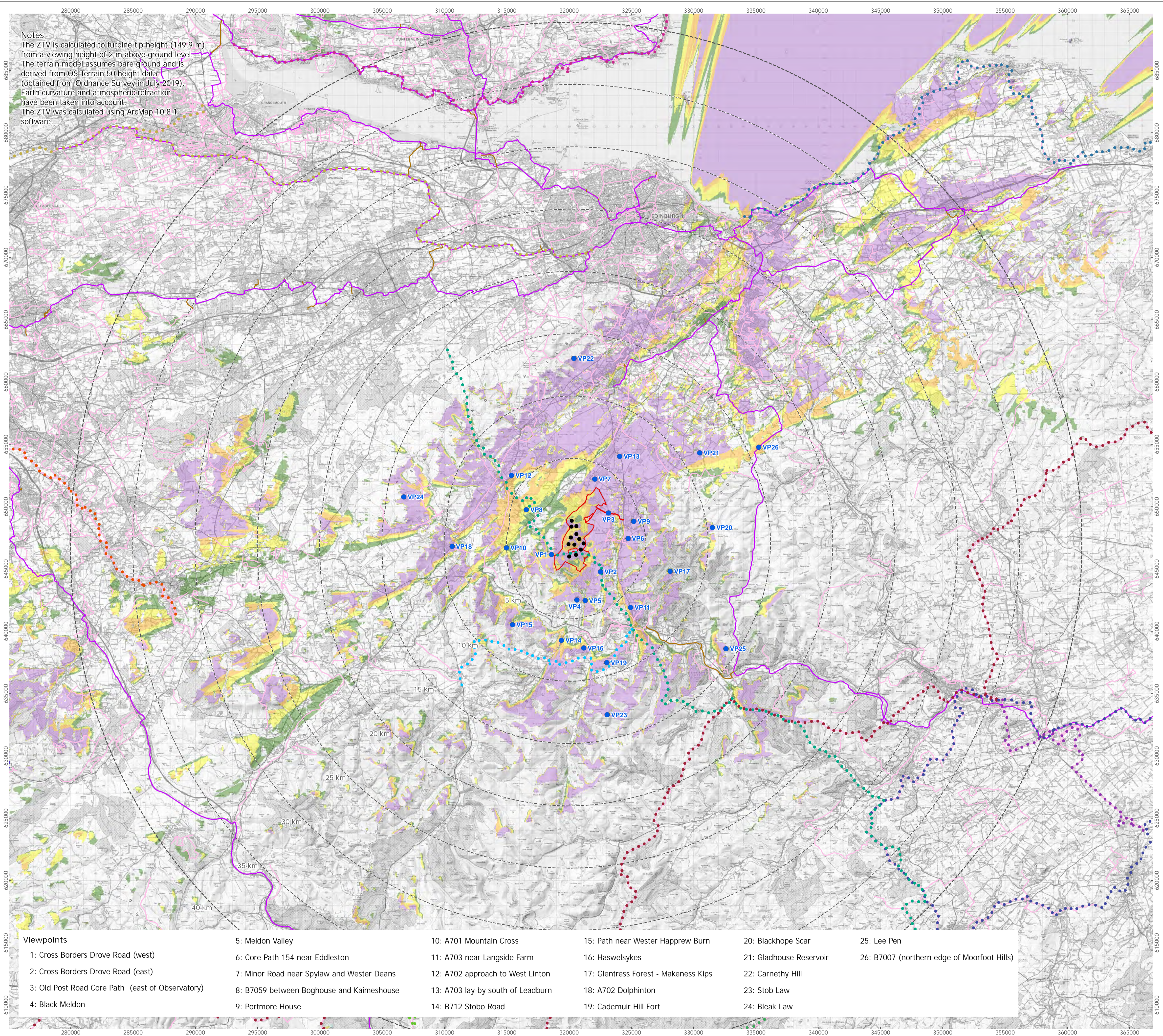
| | |
|-----------------|-------------------------|
| Produced By: TH | Ref: Pr No.-REP-Dr. No. |
| Checked By: LC | Date: 03/11/2022 |

- Viewpoints**
- | | | | |
|--|--|--------------------------------------|---|
| 1: Cross Borders Drive Road (west) | 6: Core Path 154 near Eddleston | 12: A702 approach to West Linton | 18: A702 Dolphinton |
| 2: Cross Borders Drive Road (east) | 7: Minor Road near Spylaw and Wester Deans | 13: A703 lay-by south of Leadburn | 19: Cademuir Hill Fort |
| 3: Old Post Road Core Path (east of Observatory) | 8: B7059 between Boghouse and Kaimeshouse | 14: B712 Stobo Road | 20: Blackhope Scar |
| 4: Black Meldon | 9: Portmore House | 15: Path near Wester Haprew Burn | 21: Gladhouse Reservoir |
| 5: Meldon Valley | 10: A701 Mountain Cross | 16: Haswelsykes | 22: Carnethy Hill |
| | 11: A703 near Langside Farm | 17: Glentress Forest - Makeness Kips | 23: Stob Law |
| | | | 24: Bleak Law |
| | | | 25: Lee Pen |
| | | | 26: B7007 (northern edge of Moorfoot Hills) |

Blade Tip Height (149.9 m) ZTV
 SEI LVIA Figure 5.1.2a

Cloich Forest Wind Farm
 SEI Report

Reproduced from Ordnance Survey digital map data © Crown copyright 2022. All rights reserved. License number 100048606. Source: EDF, SNH, Sustrans, LDWA, LAS, LUC



Notes
 The ZTV is calculated to turbine tip height (149.9 m) from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2019). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.8.1 software.

| Viewpoints | 5: Meldon Valley | 10: A701 Mountain Cross | 15: Path near Wester Happlew Burn | 20: Blackhope Scar | 25: Lee Pen |
|--|--|-----------------------------------|--------------------------------------|-------------------------|---|
| 1: Cross Borders Drove Road (west) | 6: Core Path 154 near Eddleston | 11: A703 near Langside Farm | 16: Haswelysyes | 21: Gladhouse Reservoir | 26: B7007 (northern edge of Moorfoot Hills) |
| 2: Cross Borders Drove Road (east) | 7: Minor Road near Spylaw and Wester Deans | 12: A702 approach to West Linton | 17: Glentress Forest - Makeness Kips | 22: Carnethy Hill | |
| 3: Old Post Road Core Path (east of Observatory) | 8: B7059 between Boghouse and Kaimeshouse | 13: A703 lay-by south of Leadburn | 18: A702 Dolphinton | 23: Stob Law | |
| 4: Black Meldon | 9: Portmore House | 14: B712 Stobo Road | 19: Cademuir Hill Fort | 24: Bleak Law | |



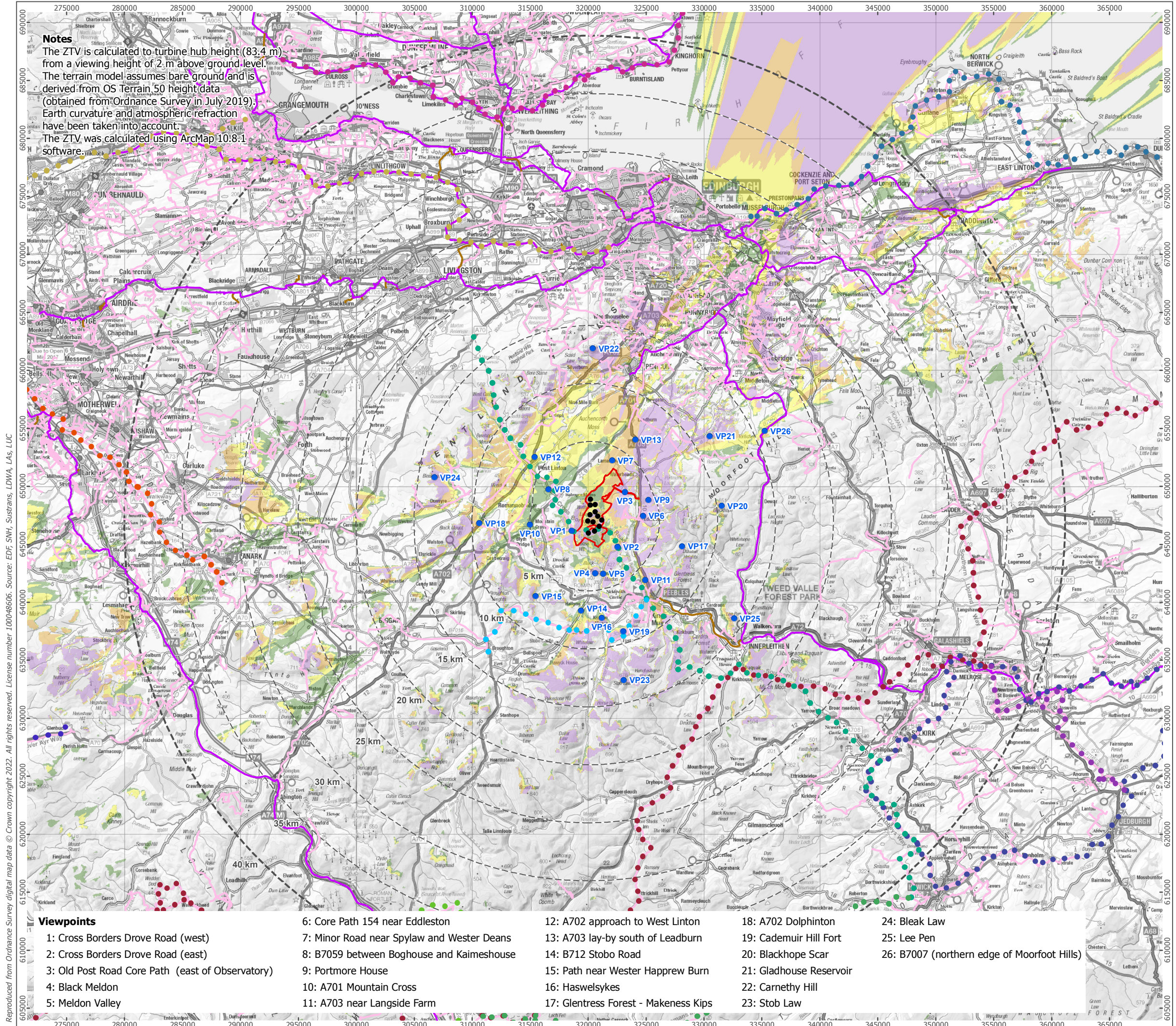
- Site boundary
 - Turbine location
 - 5 km intervals from outermost turbines
 - 40 km interval from outermost turbine
 - Viewpoint location
 - National Cycle Network (NCN)
 - NCN Link
 - Annandale Way
 - Borders Abbeys Way
 - Clyde Walkway
 - Cross Borders Drove Road
 - Fife Coastal Path
 - Forth Clyde Canal/Union Canal
 - John Muir Way
 - River Ayr Way
 - Romans and Reivers Route
 - Southern Upland Way
 - St Cuthbert's Way
 - John Buchan Way
 - Core path (indicative)
- Theoretical turbine tip visibility**
- 1-3 Turbines are visible
 - 4-6 Turbines are visible
 - 7-9 Turbines are visible
 - 10-12 Turbines are visible

1:150,000 Scale @ A3
 0 6.5 13 km ▲ NORTH

| | |
|-----------------|-------------------------|
| Produced By: TH | Ref: Pr No.-REP-Dr. No. |
| Checked By: LC | Date: 03/11/2022 |

**Blade Tip Height (149.9 m) ZTV
 SEI LVIA Figure 5.1.2b**

**Cloich Forest Wind Farm
 SEI Report**



Notes
 The ZTV is calculated to turbine hub height (83.4 m) from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2019). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.8.1 software.



- Site boundary
- Turbine location
- 5 km intervals from outermost turbines
- 40 km interval from outermost turbine
- Viewpoint location
- National Cycle Network (NCN)
- NCN Link
- Annandale Way
- Borders Abbeys Way
- Clyde Walkway
- Cross Borders Drive Road
- Fife Coastal Path
- Forth Clyde Canal/Union Canal
- John Muir Way
- River Ayr Way
- Romans and Reivers Route
- Southern Upland Way
- St Cuthbert's Way
- John Buchan Way
- Core path (indicative)

- Theoretical turbine hub visibility**
- 1-3 Turbines are visible
 - 4-6 Turbines are visible
 - 7-9 Turbines are visible
 - 10-12 Turbines are visible

1:315,000 Scale @ A3
 0 6 12 km ▲ NORTH

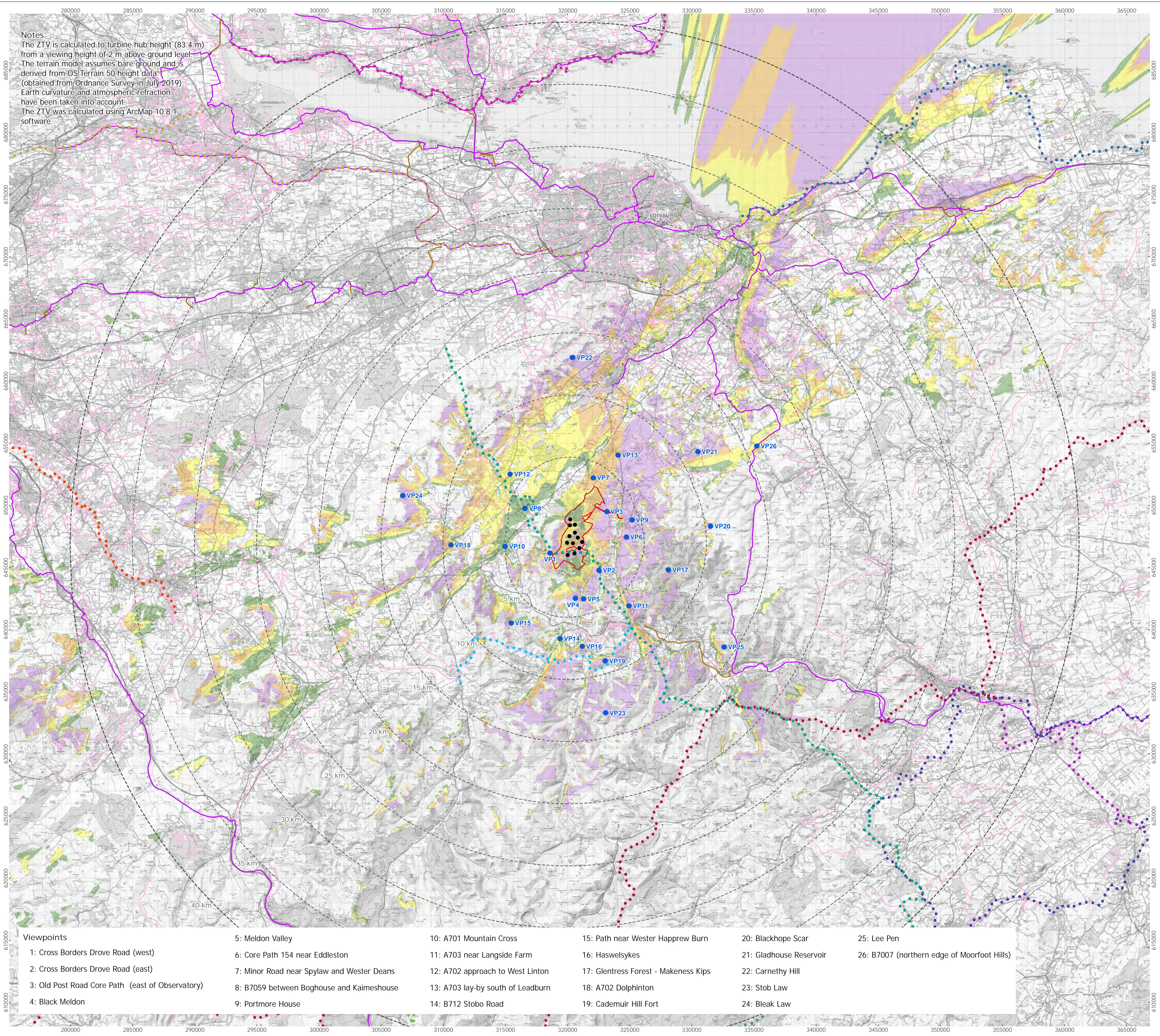
| | |
|-----------------|-------------------------|
| Produced By: TH | Ref: Pr No.-REP-Dr. No. |
| Checked By: LC | Date: 03/11/2022 |

| | | | | |
|--|--|--------------------------------------|-------------------------|---|
| Viewpoints | 6: Core Path 154 near Eddlestone | 12: A702 approach to West Linton | 18: A702 Dolphinton | 24: Bleak Law |
| 1: Cross Borders Drive Road (west) | 7: Minor Road near Spylaw and Wester Deans | 13: A703 lay-by south of Leadburn | 19: Cademuir Hill Fort | 25: Lee Pen |
| 2: Cross Borders Drive Road (east) | 8: B7059 between Boghouse and Kaimeshouse | 14: B712 Stobo Road | 20: Blackhope Scar | 26: B7007 (northern edge of Moorfoot Hills) |
| 3: Old Post Road Core Path (east of Observatory) | 9: Portmore House | 15: Path near Wester Happrew Burn | 21: Gladhouse Reservoir | |
| 4: Black Meldon | 10: A701 Mountain Cross | 16: Haswelyskes | 22: Carnethy Hill | |
| 5: Meldon Valley | 11: A703 near Langside Farm | 17: Glentress Forest - Makeness Kips | 23: Stob Law | |



Hub Height (83.4 m) ZTV
 SEI LVIA Figure 5.1.3a


Cloich Forest Wind Farm
 SEI Report

Reproduced from Ordnance Survey digital map data © Crown copyright 2022. All rights reserved. License number 100048606. Source: EDF, SNH, Sustans, LDWA, LAS, LUC



Notes
 The ZTV is calculated to turbine hub height (83.4 m) from a viewing height of 2 m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data (obtained from Ordnance Survey in July 2019). Earth curvature and atmospheric refraction have been taken into account. The ZTV was calculated using ArcMap 10.8.1 software.



| | |
|--|--|
| | Site boundary |
| | Turbine location |
| | 5 km intervals from outermost turbines |
| | 40 km interval from outermost turbine |
| • | Viewpoint location |
| | National Cycle Network (NCN) |
| | NCN Link |
| | Annandale Way |
| | Borders Abbeys Way |
| | Clyde Walkway |
| | Cross Borders Drove Road |
| | Fife Coastal Path |
| | Forth Clyde Canal/Union Canal |
| | John Muir Way |
| | River Ayr Way |
| | Romans and Reivers Route |
| | Southern Upland Way |
| | St Cuthbert's Way |
| | John Buchan Way |
| | Core path (indicative) |

Theoretical turbine hub visibility

| | |
|--|----------------------------|
| | 1-3 Turbines are visible |
| | 4-6 Turbines are visible |
| | 7-9 Turbines are visible |
| | 10-12 Turbines are visible |

1:150,000 Scale @ A3

0

6.5

13 km

▲
 NORTH

Produced By: TH

Checked By: LC

Ref: Pr No.-REP-Dr. No.

Date: 03/11/2022

Hub Height (83.4 m) ZTV
 SEI LVIA Figure 5.1.3b

Cloich Forest Wind Farm
 SEI Report

Viewpoints

| | | | | | |
|--|--|-----------------------------------|--------------------------------------|-------------------------|---|
| 1: Cross Borders Drove Road (west) | 5: Meldon Valley | 10: A701 Mountain Cross | 15: Path near Wester Happlew Burn | 20: Blackhope Scar | 25: Lee Pen |
| 2: Cross Borders Drove Road (east) | 6: Core Path 154 near Eddleston | 11: A703 near Langside Farm | 16: Haswelysyes | 21: Gladhouse Reservoir | 26: B7007 (northern edge of Moorfoot Hills) |
| 3: Old Post Road Core Path (east of Observatory) | 7: Minor Road near Spylaw and Wester Deans | 12: A702 approach to West Linton | 17: Glentress Forest - Makeness Kips | 22: Carnethy Hill | |
| 4: Black Meldon | 8: B7059 between Boghouse and Kaimeshouse | 13: A703 lay-by south of Leadburn | 18: A702 Dolphinton | 23: Stob Law | |
| | 9: Portmore House | 14: B712 Stobo Road | 19: Cademuir Hill Fort | 24: Bleak Law | |