

Notes
 The ZTV is calculated to turbine tip height (115m) from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

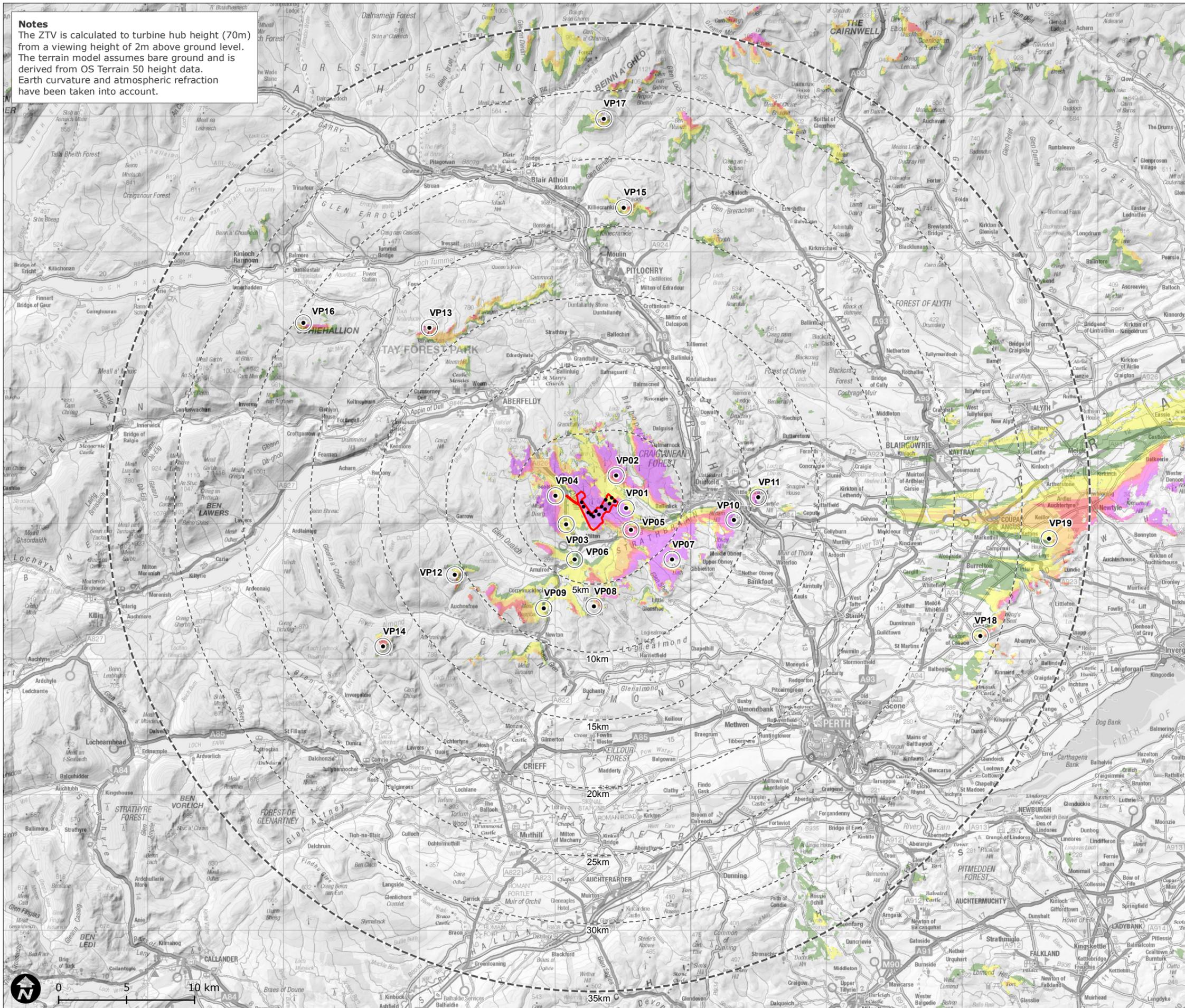
Viewpoint Locations and Zone of Theoretical Visibility (ZTV) to Turbine Tip Height (115m)

- Site boundary
 - Turbine location
 - 5km buffer intervals
 - 35km from outermost turbines
- Theoretical turbine visibility**
- 1-2 Turbines visible
 - 3-4 Turbines visible
 - 5-6 Turbines visible
 - 7-8 Turbines visible
 - 9-10 Turbines visible
 - 11-13 Turbines visible
- Viewpoint location
- VP01 - Druim Mor
 - VP02 - Ben Salachill
 - VP03 - A826 within Glen Cochill
 - VP04 - General Wade's Military Road
 - VP05 - A822 near Borelick
 - VP06 - A822 near Ballinreigh
 - VP07 - Creag Liath
 - VP08 - Meal nan Caorach
 - VP09 - A822 near Corrymuckloch
 - VP10 - King's Seat, Birnam
 - VP11 - Newtyle Hill
 - VP12 - Meall nam Fuaran
 - VP13 - Meall Tairmeachan
 - VP14 - Ben Chonzie
 - VP15 - Ben Vrackie
 - VP16 - Schiehallion
 - VP17 - Carn Liath
 - VP18 - Dunsinane Hill
 - VP19 - Minor road, Newtyle

Figure 6.1
 Map Scale @ A3:1:275,000



Notes
 The ZTV is calculated to turbine hub height (70m) from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.



Creag a' Bhàird
 Wind Farm



Viewpoint Locations and Zone of Theoretical Visibility (ZTV) to Turbine Hub Height (70m)

- Site boundary
- Turbine location
- 5km buffer intervals
- 35km from outermost turbines

Theoretical turbine visibility

- 1-2 Turbines visible
- 3-4 Turbines visible
- 5-6 Turbines visible
- 7-8 Turbines visible
- 9-10 Turbines visible
- 11-13 Turbines visible

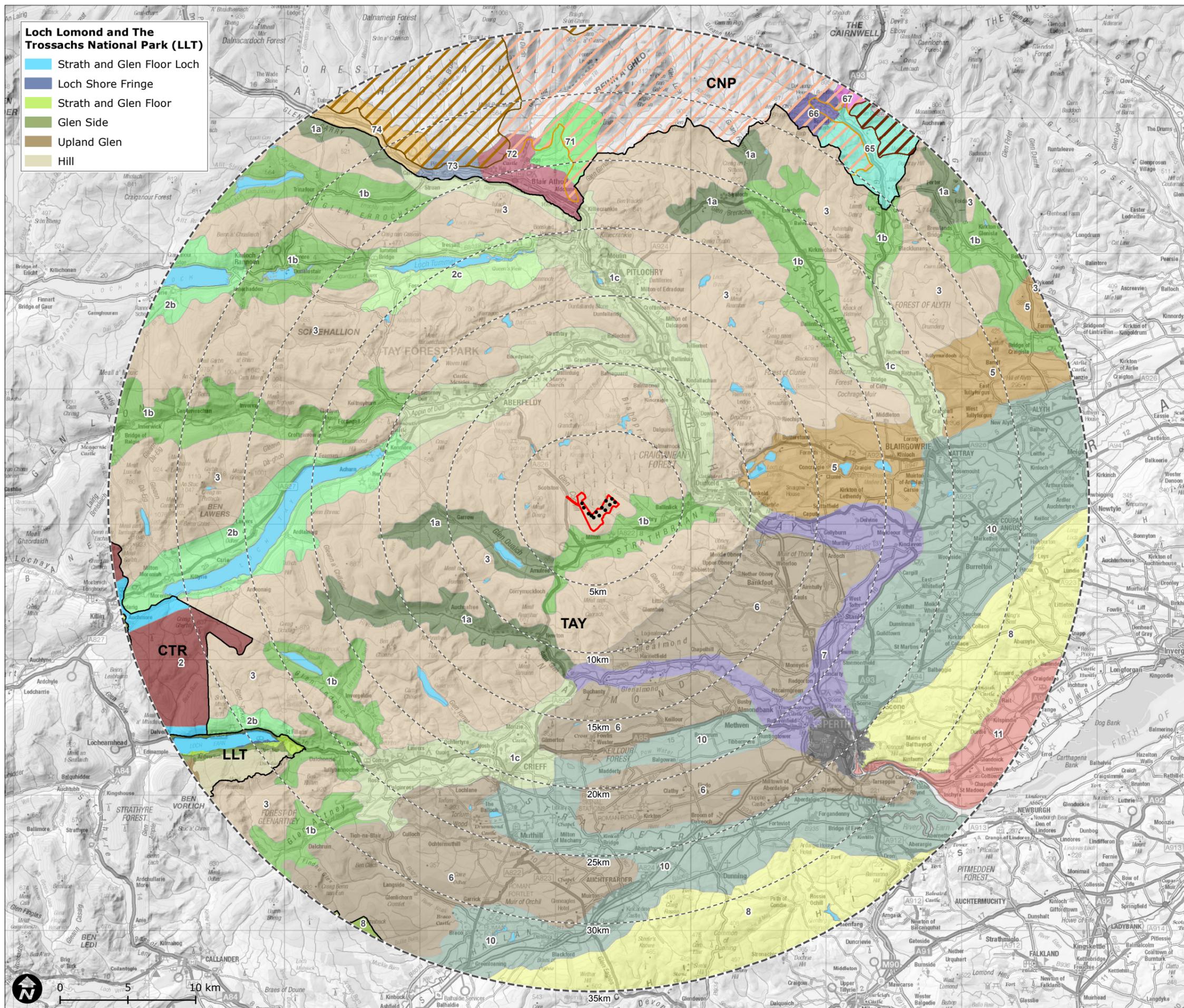
- Viewpoint location

- VP01 - Druim Mor
- VP02 - Ben Salachill
- VP03 - A826 within Glen Cochill
- VP04 - General Wade's Military Road
- VP05 - A822 near Borelick
- VP06 - A822 near Ballinreigh
- VP07 - Creag Liath
- VP08 - Meal nan Caorach
- VP09 - A822 near Corrymuckloch
- VP10 - King's Seat, Birnam
- VP11 - Newtyle Hill
- VP12 - Meall nam Fuaran
- VP13 - Meall Tairneachan
- VP14 - Ben Chonzie
- VP15 - Ben Vrackie
- VP16 - Schiehallion
- VP17 - Carn Liath
- VP18 - Dunsinane Hill
- VP19 - Minor road, Newtyle

Figure 6.2

Map Scale @ A3: 1:275,000





Creag a' Bhàird
Wind Farm



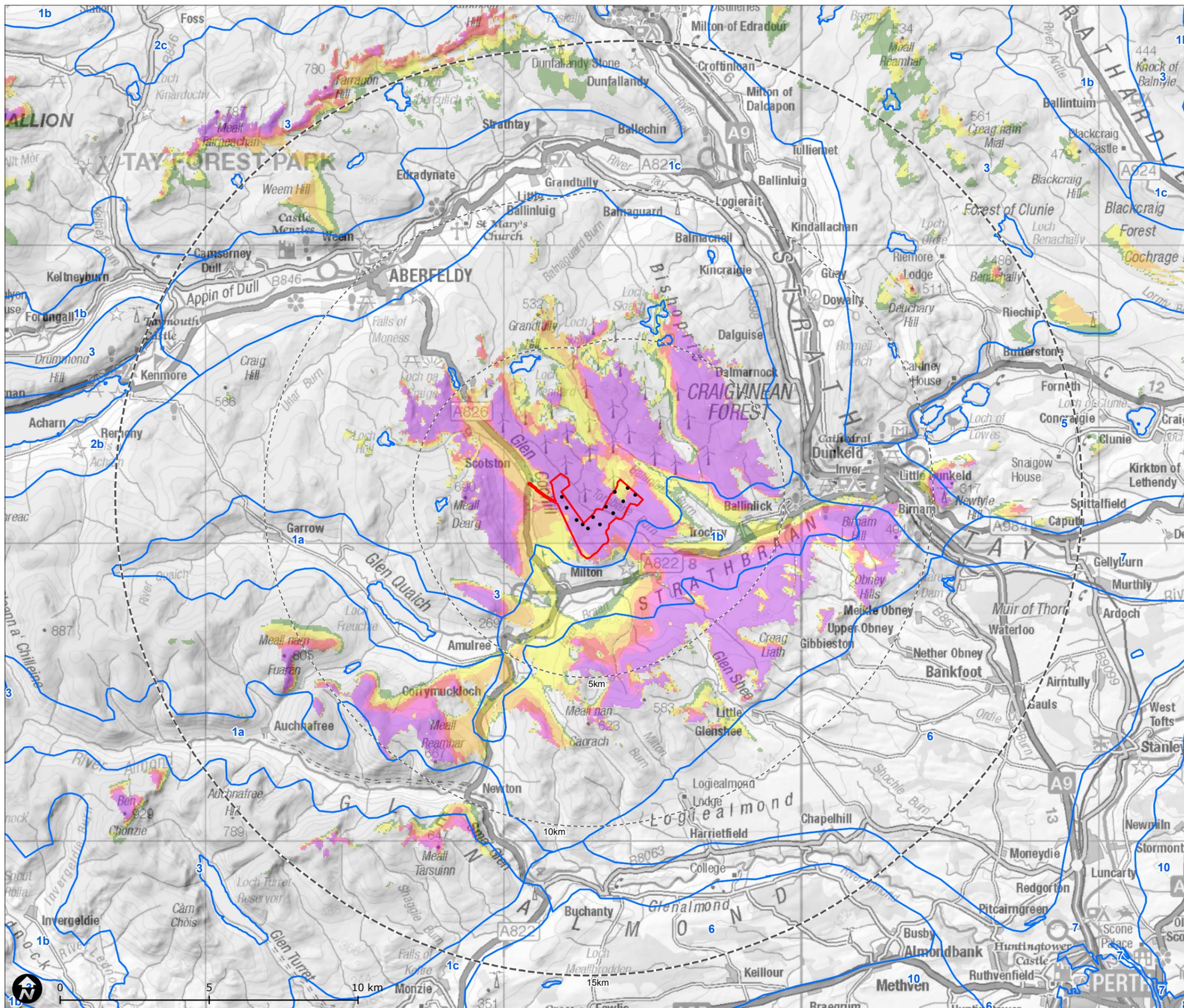
Landscape Character Types to 35km

- Site boundary
 - Turbine location
 - 5km buffer intervals
 - 35km from outermost turbines
- Tayside (TAY)**
- 1a - Upper Highland Glens
 - 1b - Mid Highland Glens
 - 1c - Lower Highland Glens
 - 2b - Mid Highland Glens with Lochs
 - 2c - Lower Highland Glens with Lochs
 - 3 - Highland Summits and Plateaux
 - 5 - Highland Foothills
 - 6 - Lowland Hills
 - 7 - Lowland River Corridors
 - 8 - Igneous Hills
 - 10 - Broad Valley Lowland
 - 11 - Firth Lowlands
 - Inland Loch
 - Urban
- Central Region (CTR)**
- 2 - Mountains
 - 8 - Lowland Hills
 - Loch
- Cairngorms National Park (CNP)**
- 65 - Glen Shee: Upper Glen
 - 66 - Glen Shee: Head of Glen Shee
 - 67 - Glen Beag: Lower Glen
 - 71 - Glen Fender
 - 72 - Glen Garry: Lower Glen/Blair Atholl
 - 73 - Glen Garry: Mid Glen
 - 74 - Glen Garry: Upper Glen
 - The Angus Glens Uplands
 - South Eastern Glens
 - South Western Glens

Figure 6.3

Map Scale @ A3: 1:275,000





Creag a' Bhàird
Wind Farm



Landscape Character Types and Zone of Theoretical Visibility to Turbine Tip Height (115m)

- Site boundary
- Turbine location
- 5km buffer intervals
- 15km from outermost turbines
- Tayside Landscape Character Areas
 - 1a - Upper Highland Glens
 - 1b - Mid Highland Glens
 - 1c - Lower Highland Glens
 - 2b - Mid Highland Glens with Lochs
 - 2c - Lower Highland Glens with Lochs
 - 3 - Highland Summits and Plateaux
 - 5 - Highland Foothills
 - 6 - Lowland Hills
 - 7 - Lowland River Corridors
 - 8 - Igneous Hills
 - 10 - Broad Valley Lowland

Notes
The ZTV is calculated to turbine tip height (115m) from a viewing height of 2m above ground level.

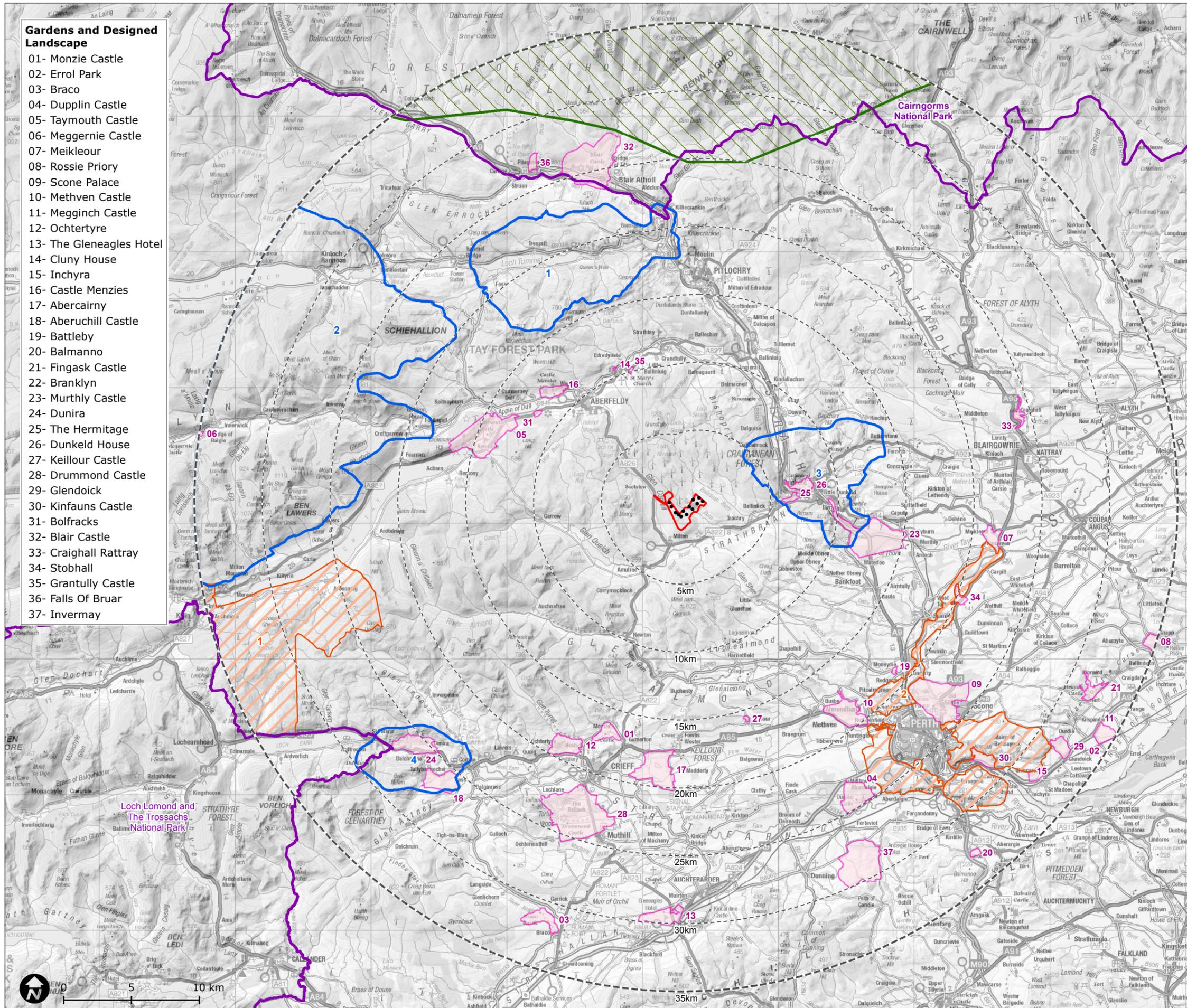
The terrain model assumes bare ground and is derived from OS Terrain 50 height data.

Earth curvature and atmospheric refraction have been taken into account.

Figure 6.3a

Map Scale @ A3: 1:125,000





Gardens and Designed Landscape

- 01- Enzie Castle
- 02- Morrie Park
- 03- Braco
- 04- Dupplin Castle
- 05- Taymouth Castle
- 06- Meggernie Castle
- 07- Meikleour
- 08- Rossie Priory
- 09- Scone Palace
- 10- Methven Castle
- 11- Megginch Castle
- 12- Ochertyre
- 13- The Gleneagles Hotel
- 14- Cluny House
- 15- Inchyra
- 16- Castle Menzies
- 17- Abercairny
- 18- Aberuchill Castle
- 19- Battleby
- 20- Balmanno
- 21- Fingask Castle
- 22- Branklyn
- 23- Murthly Castle
- 24- Dunira
- 25- The Hermitage
- 26- Dunkeld House
- 27- Keillour Castle
- 28- Drummond Castle
- 29- Glendoick
- 30- Kinfauns Castle
- 31- Bolfracks
- 32- Blair Castle
- 33- Craighall Rattray
- 34- Stobhall
- 35- Grantully Castle
- 36- Falls Of Bruar
- 37- Invermay

Designated Landscapes to 35km

- Site boundary
- Turbine location
- 5km buffer intervals
- 35km from outermost turbines
- National Park
- National Scenic Area
 - 1 - Loch Tummel
 - 2 - Loch Rannoch and Glen Lyon
 - 3 - River Tay (Dunkeld)
 - 4 - River Earn (Comrie to St Fillans)
- Area of Great Landscape Value*
 - 1 - Creag Gharbh
 - 2 - Perth
- Gardens and Designed Landscape
- Search Area for Wild Land (2002)

Note:
* AGLV - the boundaries for the area of Stirling Council were captured from the STC 'SG27 Protecting Special Landscapes' report and for PKC from the Perth Area Local Plan 1995 report.

Figure 6.4
Map Scale @ A3: 1:275,000

Wind farms:

- | | | | | | | |
|------------------------------|--------------------------|------------------------------|-------------------------------------|-------------------------------|--|---------------------------------|
| 01 - Griffin | 11 - Welton of Creuchies | 21 - West Cambushinnie | 31 - Dundee Cold Stores Ltd | 41 - Durrieshill Wind Turbine | 51 - Mossmorran | 61 - Woodside, Aberlemno |
| 02 - Calliachar | 12 - Corb | 22 - Braes of Doune | 32 - Cormaud | 42 - Devon Wood Wind Farm | 52 - Earlsburn | 62 - Tochie Burn |
| 03 - North Calliachar | 13 - Drumderg | 23 - Burnfoot Hill Extension | 33 - Tealing Farm | 43 - Clatto Farm | 53 - Pitreave Business Park | 63 - Bandirran |
| 04 - Crossburns | 14 - Tullymurdoch | 24 - Frandy Hill | 34 - Frawney | 44 - Burnfoot Farm | 54 - Tod Hill Farm Community Wind Co-operative | 64 - Montalt |
| 05 - Mull Hill | 15 - Bamff | 25 - Burnfoot Hill | 35 - Pitblatto Farm | 45 - East Memus | 55 - Craigengelt | 65 - Saddle Hill |
| 06 - Inneryte Farm | 16 - Lochelbank | 26 - Rhodders | 36 - Govals Farm | 46 - Strathore Farm | 56 - Earlseat Farm | 66 - Muirhead |
| 07 - Mains of Pittendriech | 17 - Green Knowes | 27 - Newburgh Community | 37 - Westfield | 47 - Rosehill Farm | 57 - Woodbank Farm | 67 - Over Finlarg |
| 08 - East Gormack | 18 - East Blair Farm | 28 - Braeside of Lindores | 38 - Lynnside | 48 - Clatto Hill | 58 - Fintry Community Windfarm | 68 - Tealing Phase 3 |
| 09 - Ardlebank | 19 - East Camno Farm | 29 - Scotston (Angus) | 39 - Lochend Farm | 49 - Little Raith | 59 - Balafark Farm | 69 - Port of Dundee |
| 10 - Netheraird of Glasclune | 20 - Temple Hill | 30 - Ark Hill | 40 - Michelin Tyre Factory (Dundee) | 50 - Earlsburn North | 60 - ASDA Depot | 70 - Devilla |
| | | | | | | 71 - Craighton and Spittal Hill |

Creag a' Bhàird
Wind Farm



Wind Farms within 60km

- Site boundary
- 60km from the outermost turbines
- Wind farm status**
- Operational
- Under construction
- Consented
- Appeal/public inquiry
- Application submitted
- Design/scoping

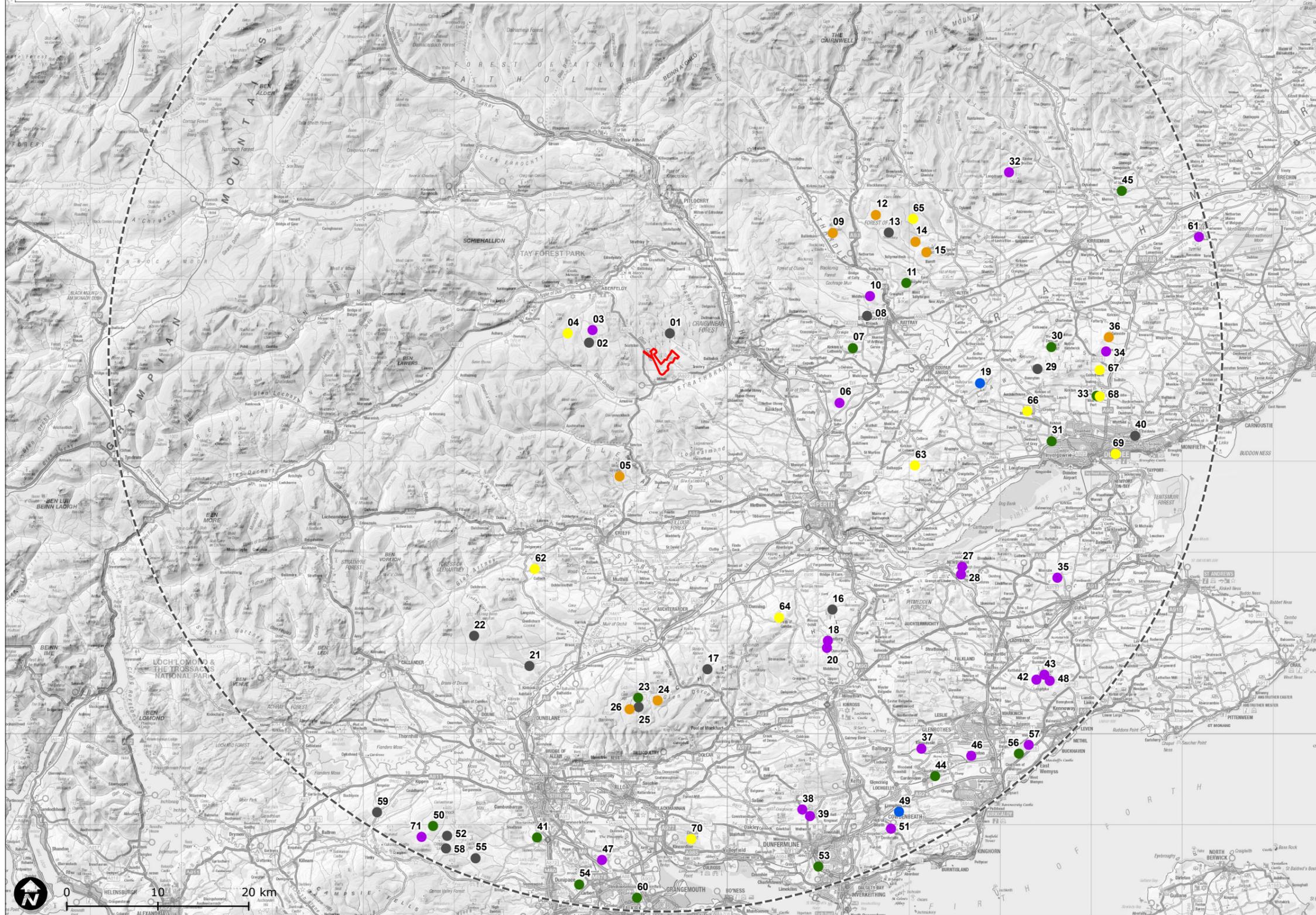
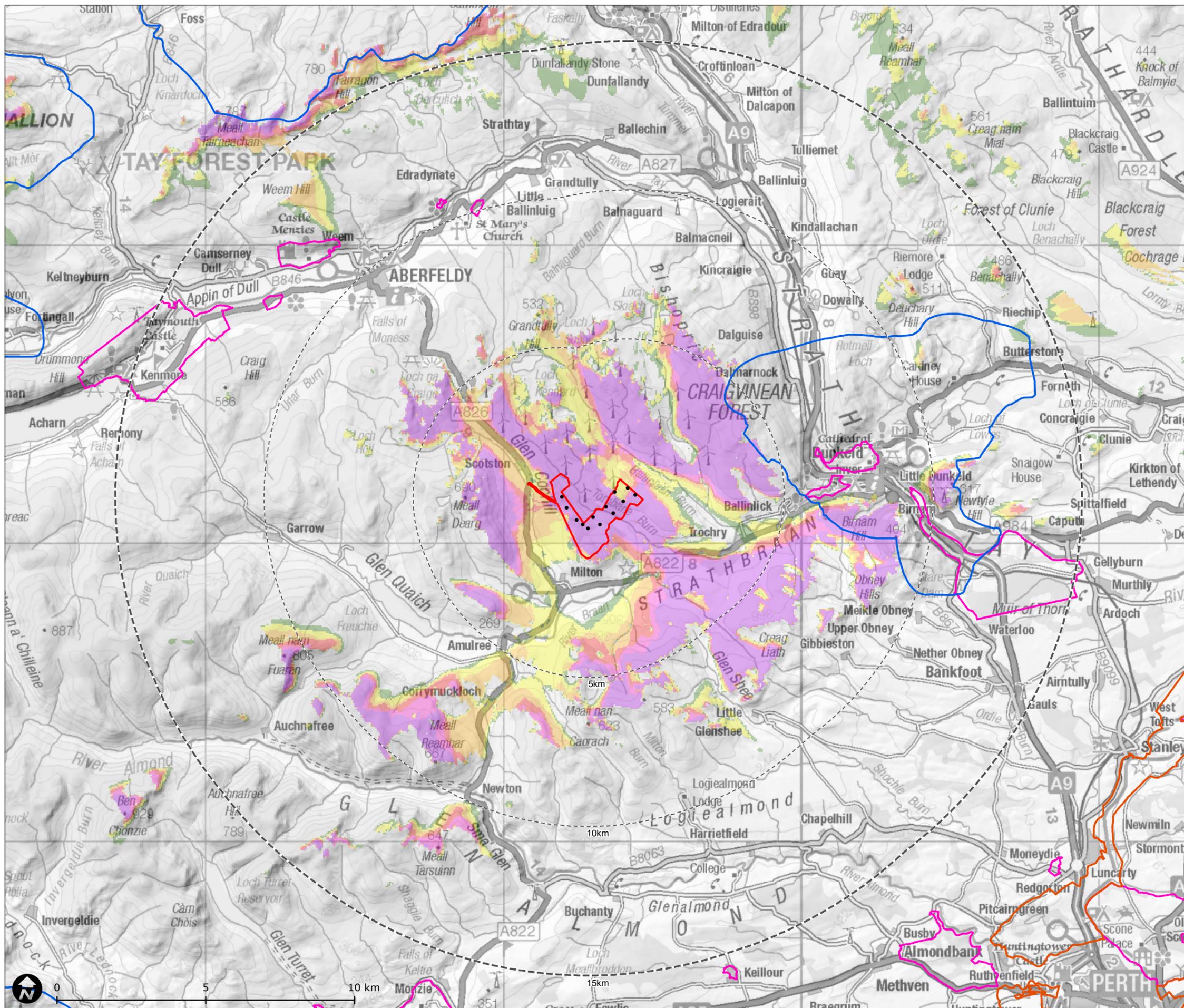


Figure 6.5

Map Scale @ A3: 1:455,000





Designated Landscapes and Zone of Theoretical Visibility to Turbine Tip Height (115m)

- Site boundary
 - Turbine location
 - 5km buffer intervals
 - 15km from outermost turbines
 - National Scenic Area
 - Area of Great Landscape Value*
 - Gardens and Designed Landscape
- Theoretical turbine visibility**
- 1-2 Turbines visible
 - 3-4 Turbines visible
 - 5-6 Turbines visible
 - 7-8 Turbines visible
 - 9-10 Turbines visible
 - 11-13 Turbines visible

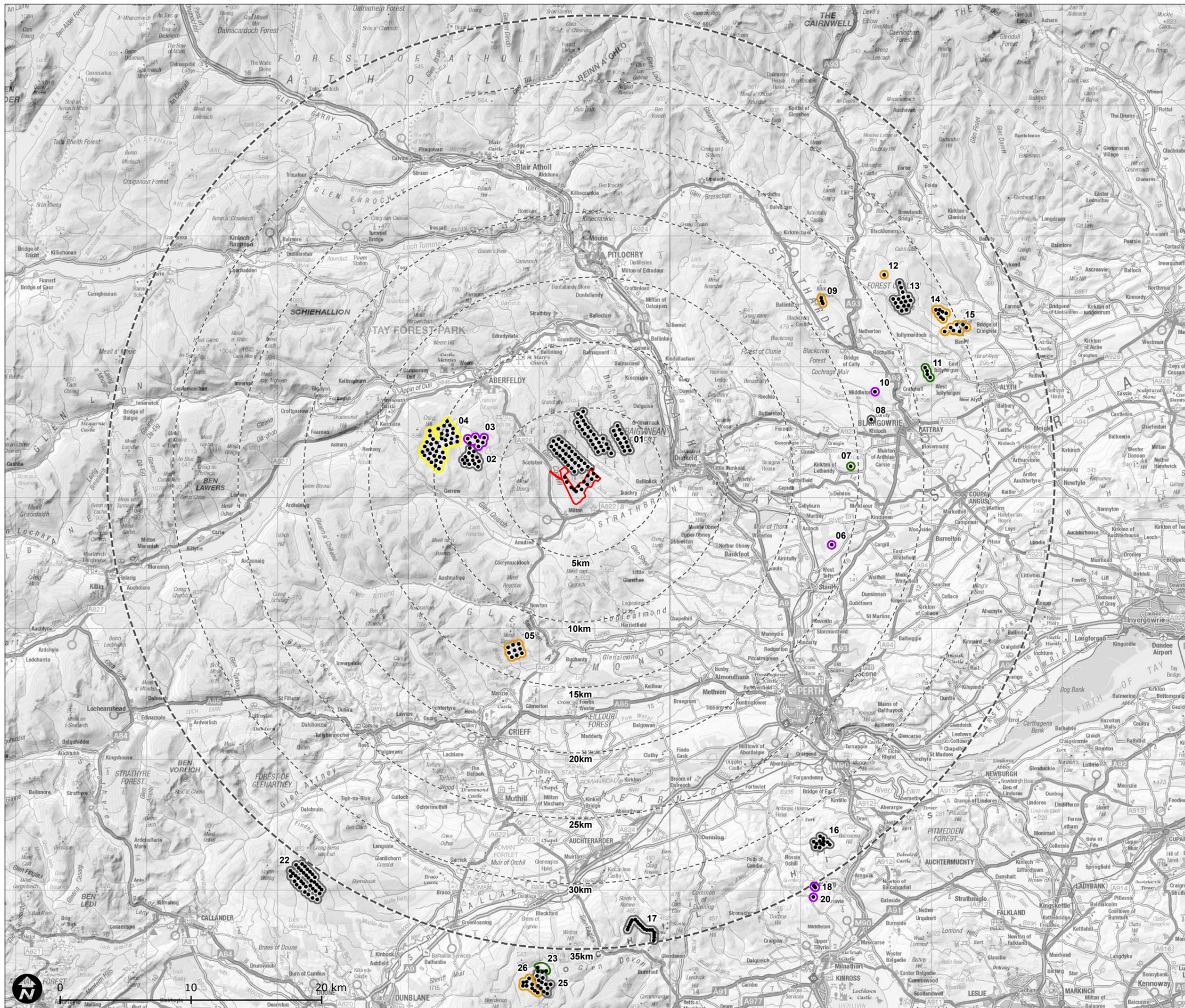
Note:
* AGLV - the boundary for the area of Perth and Kinross Council was captured from the Perth Area Local Plan 1995 report.

The ZTV is calculated to turbine tip height (115m) from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure 6.4a

Map Scale @ A3: 1:125,000





Wind Farms Included in the Assessment

- Site boundary
- Turbine location
- 5km buffer intervals
- 35km from the outermost turbines

- Wind farm status**
- Operational
 - Consented
 - Appeal/public inquiry
 - Application submitted
 - Design/scoping

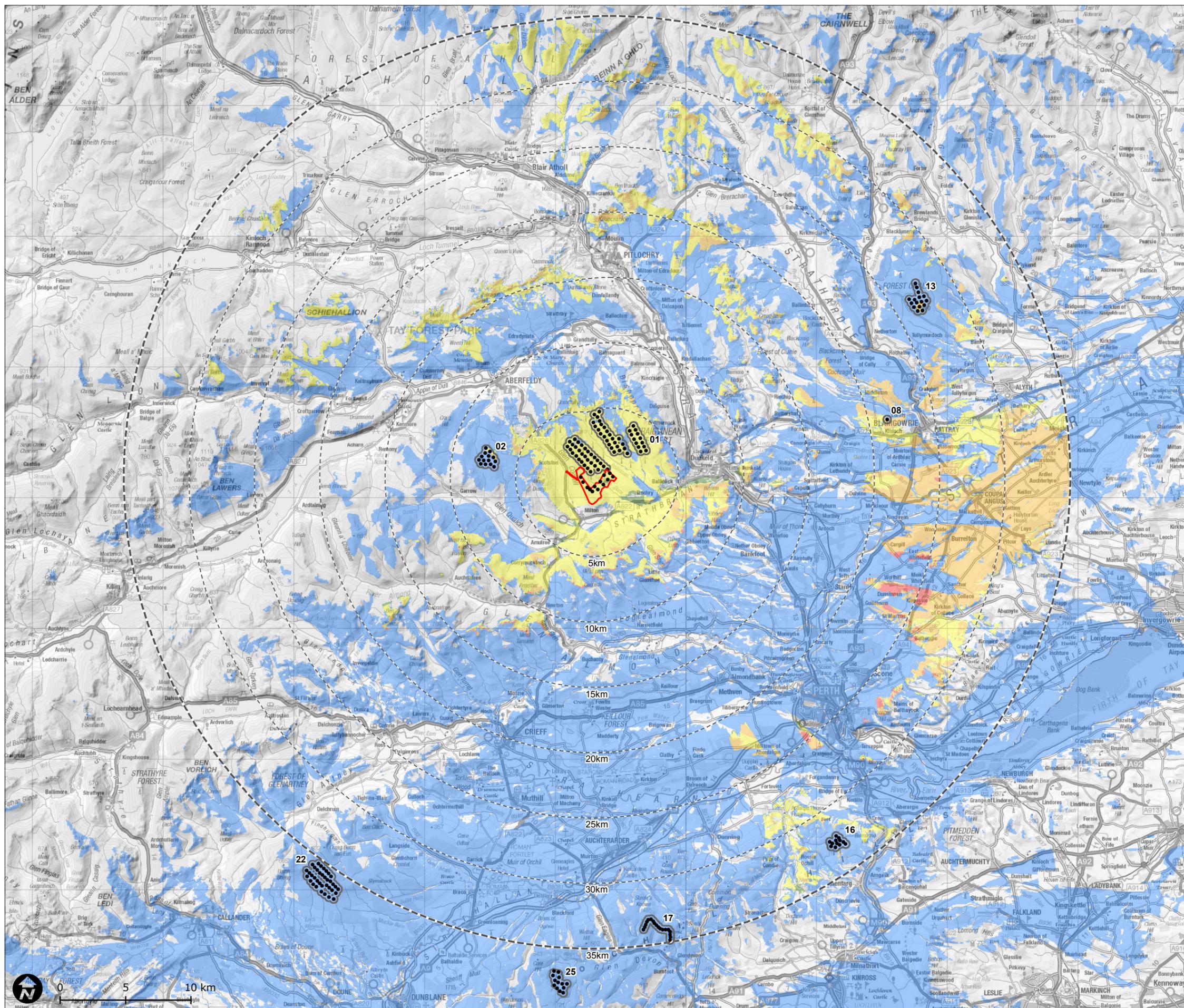
- 01 - Griffin
- 02 - Calliachar
- 03 - North Calliachar
- 04 - Crossburns*
- 05 - Mull Hill
- 06 - Innernyte Farm
- 07 - Mains of Pittendriech
- 08 - East Gormack
- 09 - Ardlebank
- 10 - Netheraird of Glasclune
- 11 - Welton of Creuchies
- 12 - Corb
- 13 - Drumderg
- 14 - Tullymurdoch
- 15 - Bamff
- 16 - Lochelbank
- 17 - Green Knowes
- 18 - East Blair Farm
- 20 - Temple Hill
- 22 - Braes of Doune
- 23 - Burnfoot Hill Extension
- 25 - Burnfoot Hill
- 26 - Rhodders

Note
* Crossburns - indicative turbine layout captured from the January 2013 Scoping report

Figure 6.6

Map Scale @ A3: 1:285,000





**Scenario 1: CZTV
Operational Wind Farms**

- Site boundary
- Turbine location
- 5km buffer intervals
- 35km from outermost turbines

Wind farm status

- Operational
- 01 - Griffin
- 02 - Calliachar
- 08 - East Gormack
- 13 - Drumderg
- 16 - Lochelbank
- 17 - Green Knowes
- 22 - Braes of Doune
- 25 - Burnfoot Hill

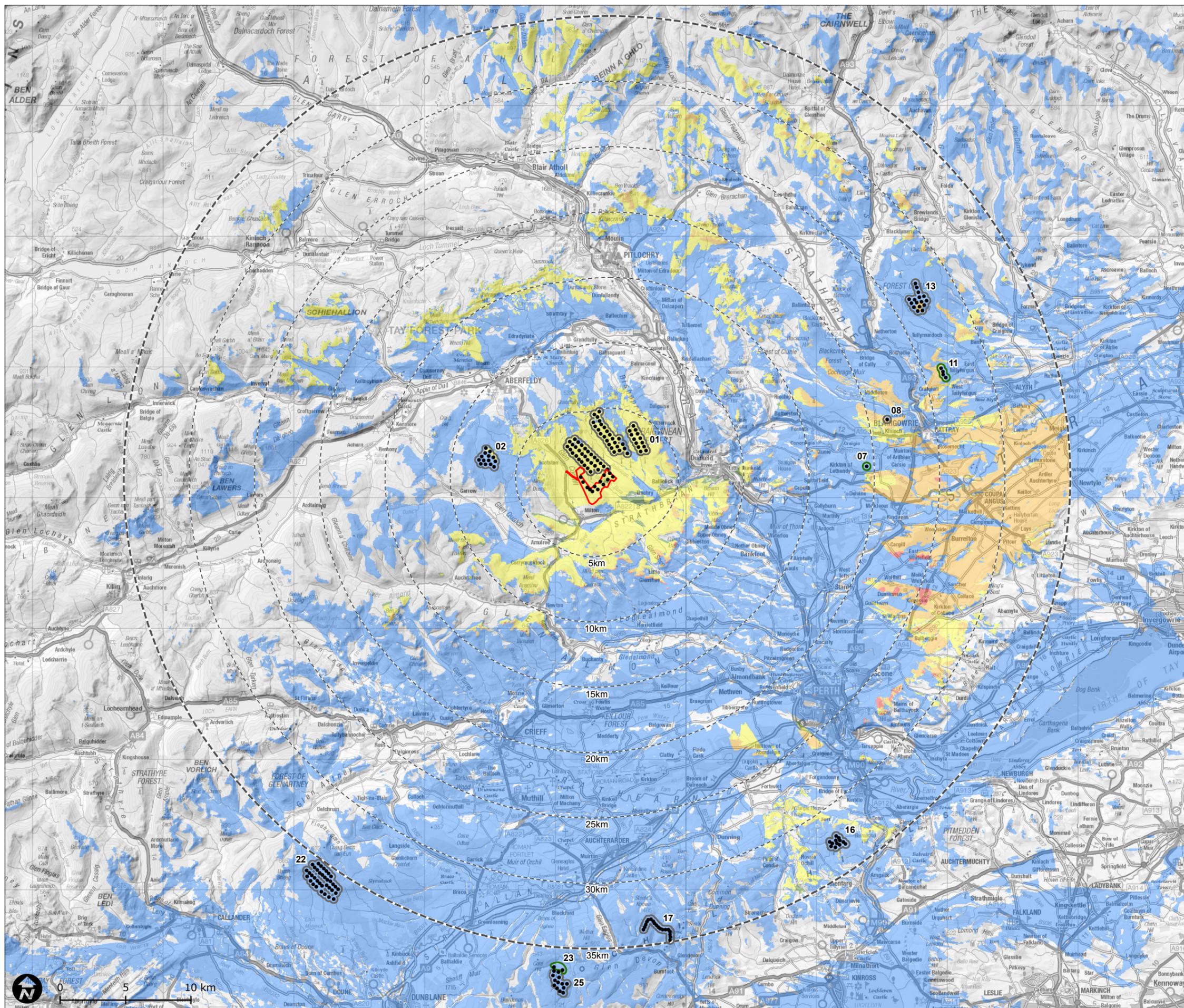
Theoretical wind farm visibility

- Other wind farms visible, not Crag a' Bhàird
- Only Crag a' Bhàird is visible
- Crag a' Bhàird and 1-2 other wind farms are visible
- Crag a' Bhàird and 3-4 other wind farms are visible
- Crag a' Bhàird and 5-7 other wind farms are visible

Notes
The ZTV is calculated to turbine tip height from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV extents for all windfarms are based on SNH guidance (Visual Representation of Windfarms: Good Practice Guidance, SNH, 2006).

Figure 6.7

Map Scale @ A3: 1:285,000



**Scenario 2: CZTV
Operational and Consented
Wind Farms**

- Site boundary
- Turbine location
- 5km buffer intervals
- 35km from outermost turbines

Wind farm status

- Operational
- Consented
- 01 - Griffin
- 02 - Calliachar
- 07 - Mains of Pittendreich
- 08 - East Gormack
- 11 - Welton of Creuchies
- 13 - Drumdreg
- 16 - Lochelbank
- 17 - Green Knowes
- 22 - Braes of Doune
- 23 - Burnfoot Hill Extension
- 25 - Burnfoot Hill

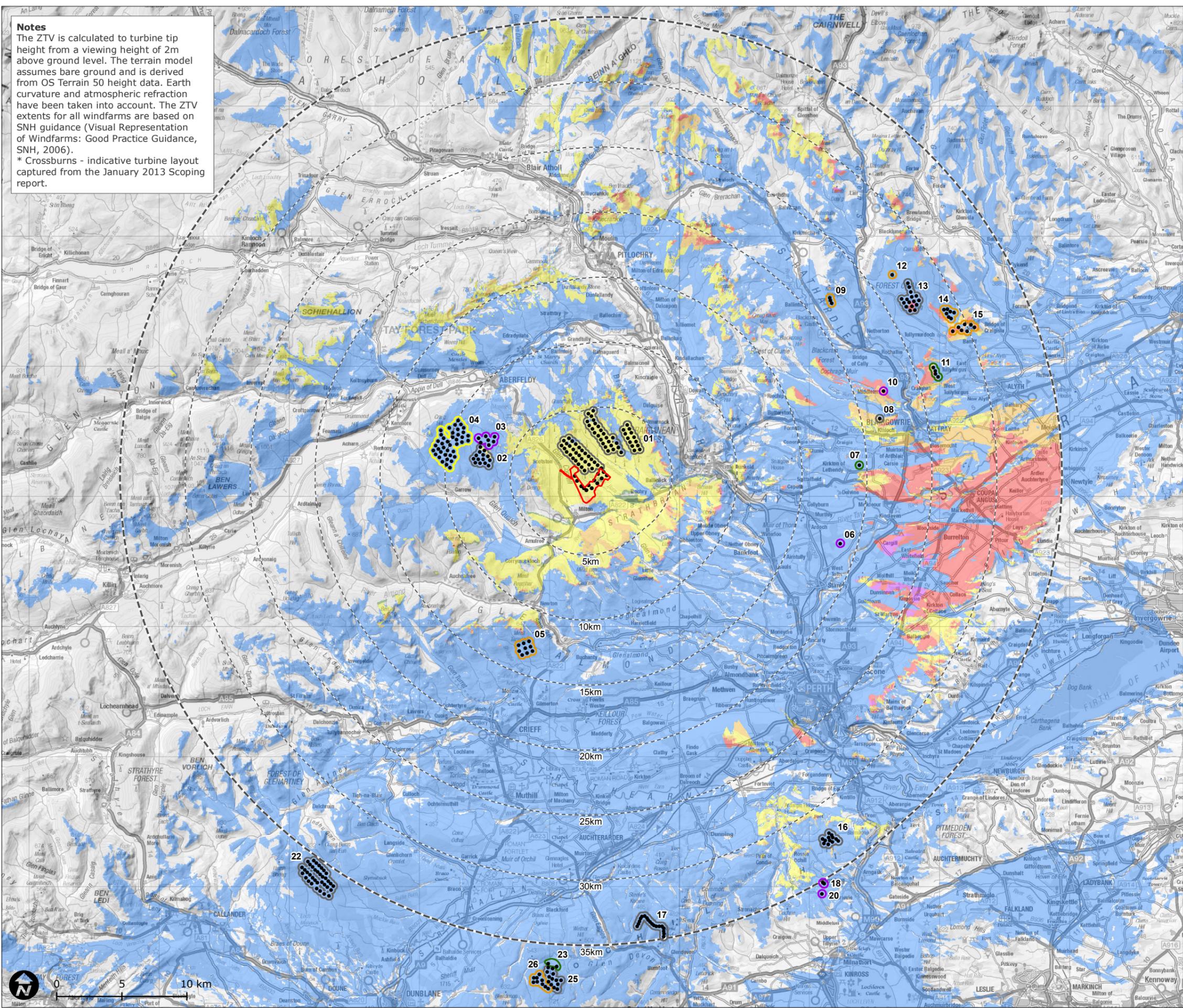
Theoretical wind farm visibility

- Other wind farms visible, not Crag a' Bhàird
- Only Crag a' Bhàird is visible
- Crag a' Bhàird and 1-3 other wind farms are visible
- Crag a' Bhàird and 4-6 other wind farms are visible
- Crag a' Bhàird and 7-9 other wind farms are visible

Notes
The ZTV is calculated to turbine tip height from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV extents for all windfarms are based on SNH guidance (Visual Representation of Windfarms: Good Practice Guidance, SNH, 2006).

Figure 6.8

Map Scale @ A3: 1:285,000



Notes
 The ZTV is calculated to turbine tip height from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV extents for all windfarms are based on SNH guidance (Visual Representation of Windfarms: Good Practice Guidance, SNH, 2006).
 * Crossburns - indicative turbine layout captured from the January 2013 Scoping report.

Scenario 3: CZTV Operational, Consented, in Application and Scoping Wind Farms

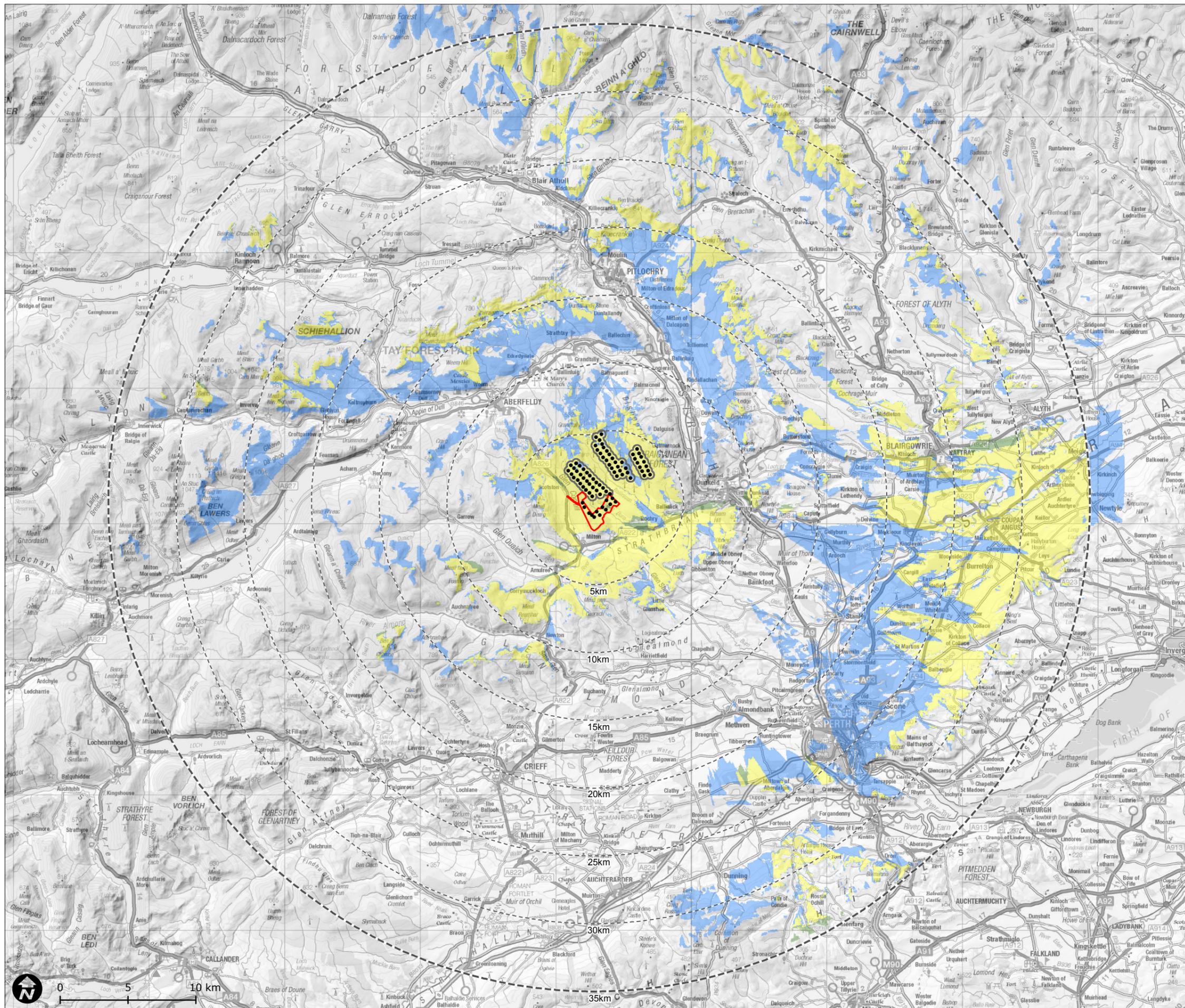
- Site boundary
- Turbine location
- 5km buffer intervals
- 35km from outermost turbines

- Wind farm status**
- Operational
 - Consented
 - Appeal/public inquiry
 - Application submitted
 - Design/scoping

- 01 - Griffin
- 02 - Calliachar
- 03 - North Calliachar
- 04 - Crossburns*
- 05 - Mull Hill
- 06 - Innernyte Farm
- 07 - Mains of Pittendriech
- 08 - East Gormack
- 09 - Ardebank
- 10 - Netheraird of Glasclune
- 11 - Welton of Creuchies
- 12 - Corb
- 13 - Drumderg
- 14 - Tullymurdoch
- 15 - Bamff
- 16 - Lochelbank
- 17 - Green Knowes
- 18 - East Blair Farm
- 20 - Temple Hill
- 22 - Braes of Doune
- 23 - Burnfoot Hill Extension
- 25 - Burnfoot Hill
- 26 - Rhodders

- Theoretical wind farm visibility**
- Other wind farms visible, not Crag a' Bhàird
 - Only Crag a' Bhàird is visible
 - Crag a' Bhàird and 1-4 other wind farms are visible
 - Crag a' Bhàird and 5-8 other wind farms are visible
 - Crag a' Bhàird and 9-12 other wind farms are visible
 - Crag a' Bhàird and 13-16 other wind farms are visible

Figure 6.9
 Map Scale @ A3: 1:285,000



Crag a' Bhàird
Wind Farm



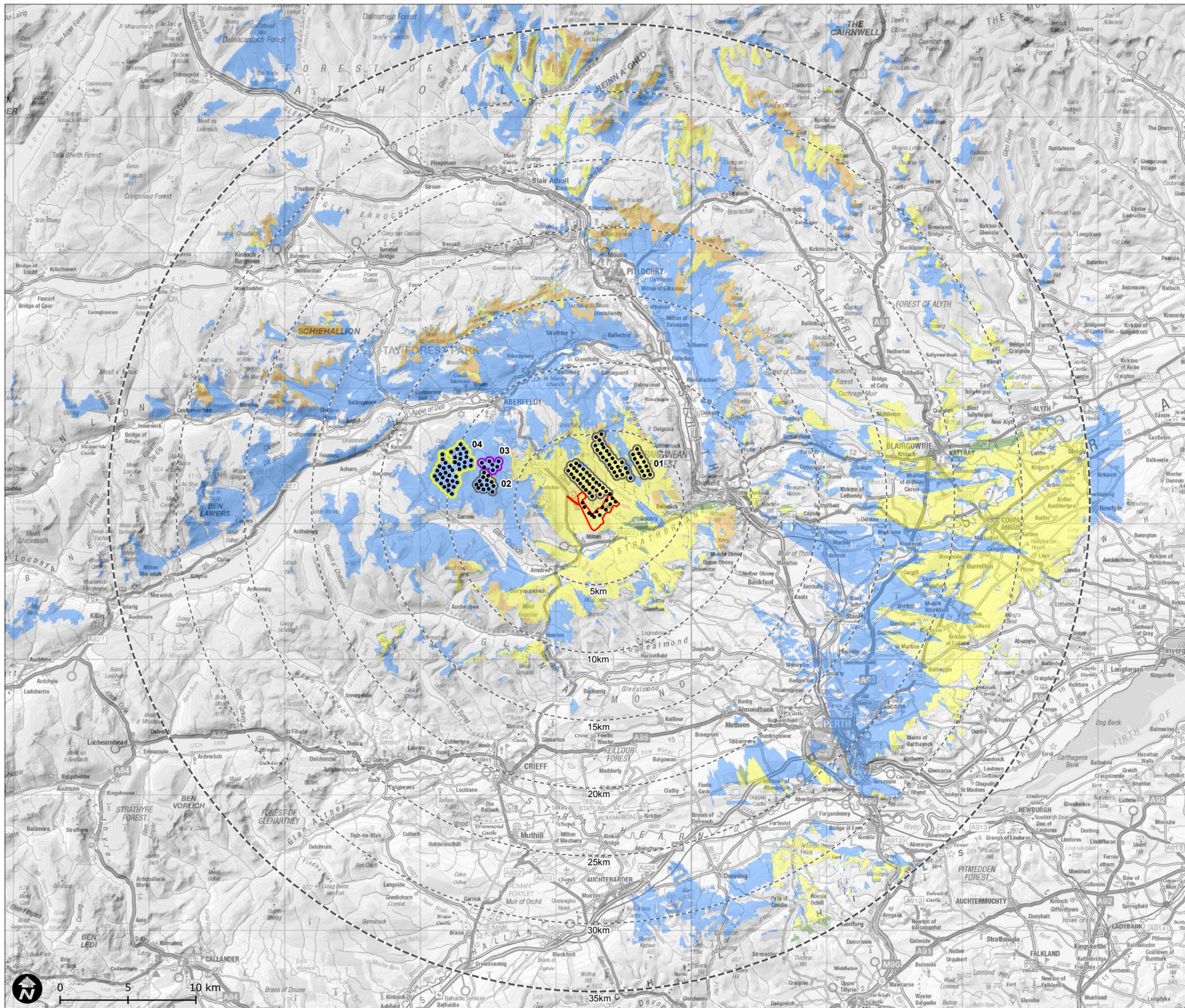
**Paired ZTV:
Crag a' Bhàird and Griffin**

- Site boundary
- Turbine location
- 5km buffer intervals
- 35km from outermost turbines
- Wind farm status**
- Operational
- Theoretical wind farm visibility**
- Only Griffin is visible
- Only Crag a' Bhàird is visible
- Both wind farms are visible

Notes
The ZTV is calculated to turbine tip height from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV extents for all windfarms are based on SNH guidance (Visual Representation of Windfarms: Good Practice Guidance, SNH, 2006).

Figure 6.10
Map Scale @ A3: 1:275,000





Crag a' Bhàird
Wind Farm



Paired ZTV: Crag a' Bhàird, Griffin, Calliachar, Crossburns and North Calliachar

- Site boundary
- Turbine location
- 5km buffer intervals
- 35km from outermost turbines

Wind farm status

- Operational
- Application submitted
- Design/scoping
 - 01 - Griffin
 - 02 - Calliachar
 - 03 - North Calliachar
 - 04 - Crossburns*

Theoretical wind farm visibility

- Other wind farms visible, not Crag a' Bhàird
- Only Crag a' Bhàird is visible
- Crag a' Bhàird and 1-3 other wind farms are visible
- All five wind farms are visible

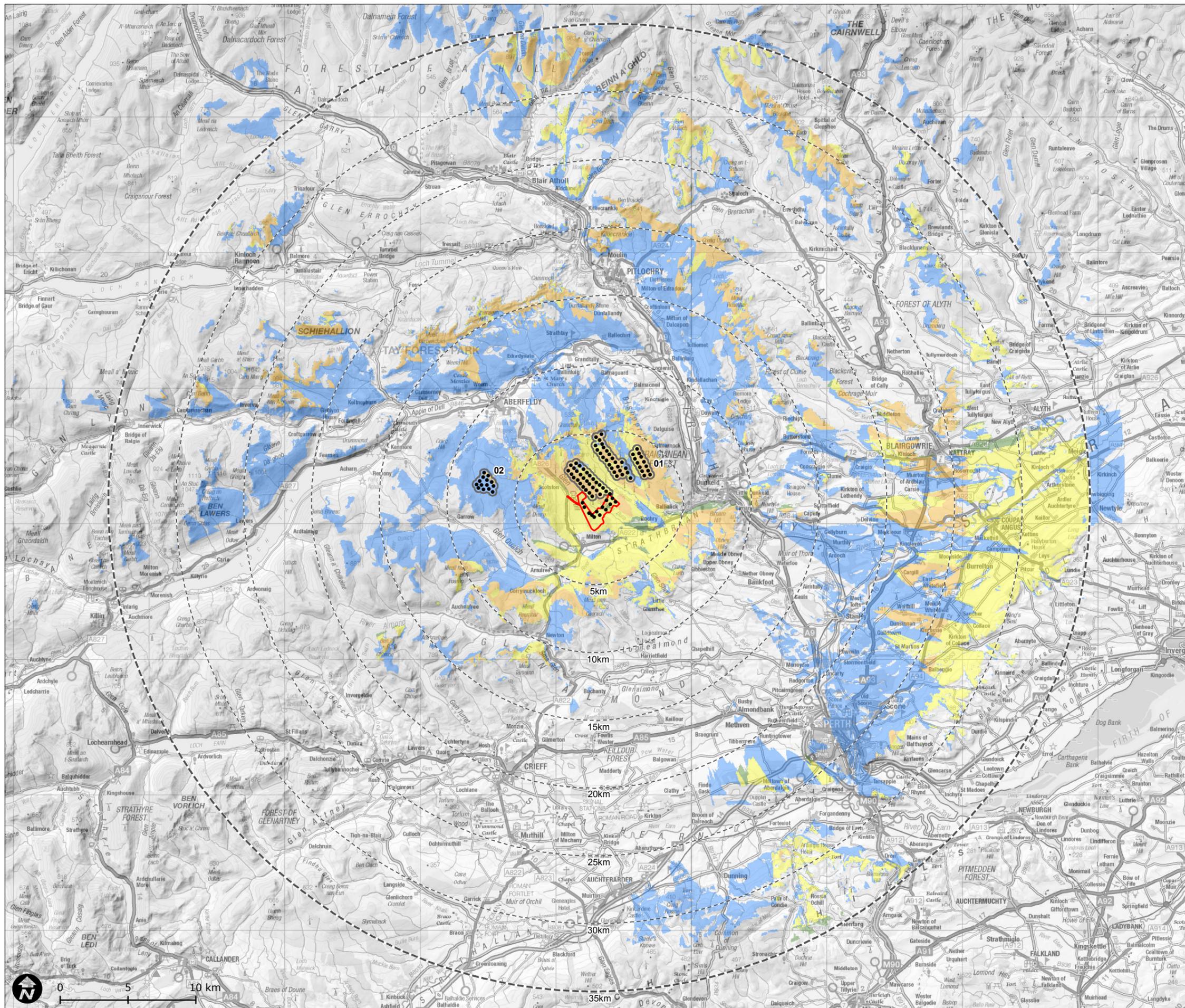
Notes
 The ZTV is calculated to turbine tip height from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV extents for all windfarms are based on SNH guidance (Visual Representation of Windfarms: Good Practice Guidance, SNH, 2006).

* Crossburns - indicative turbine layout captured from the January 2013 Scoping report

Figure 6.12

Map Scale @ A3: 1:275,000





**Paired ZTV:
Crag a' Bhàird, Griffin and
Calliachar**

- Site boundary
- Turbine location
- 5km buffer intervals
- 35km from outermost turbines

Wind farm status

- Operational
- 01 - Griffin
- 02 - Calliachar

Theoretical wind farm visibility

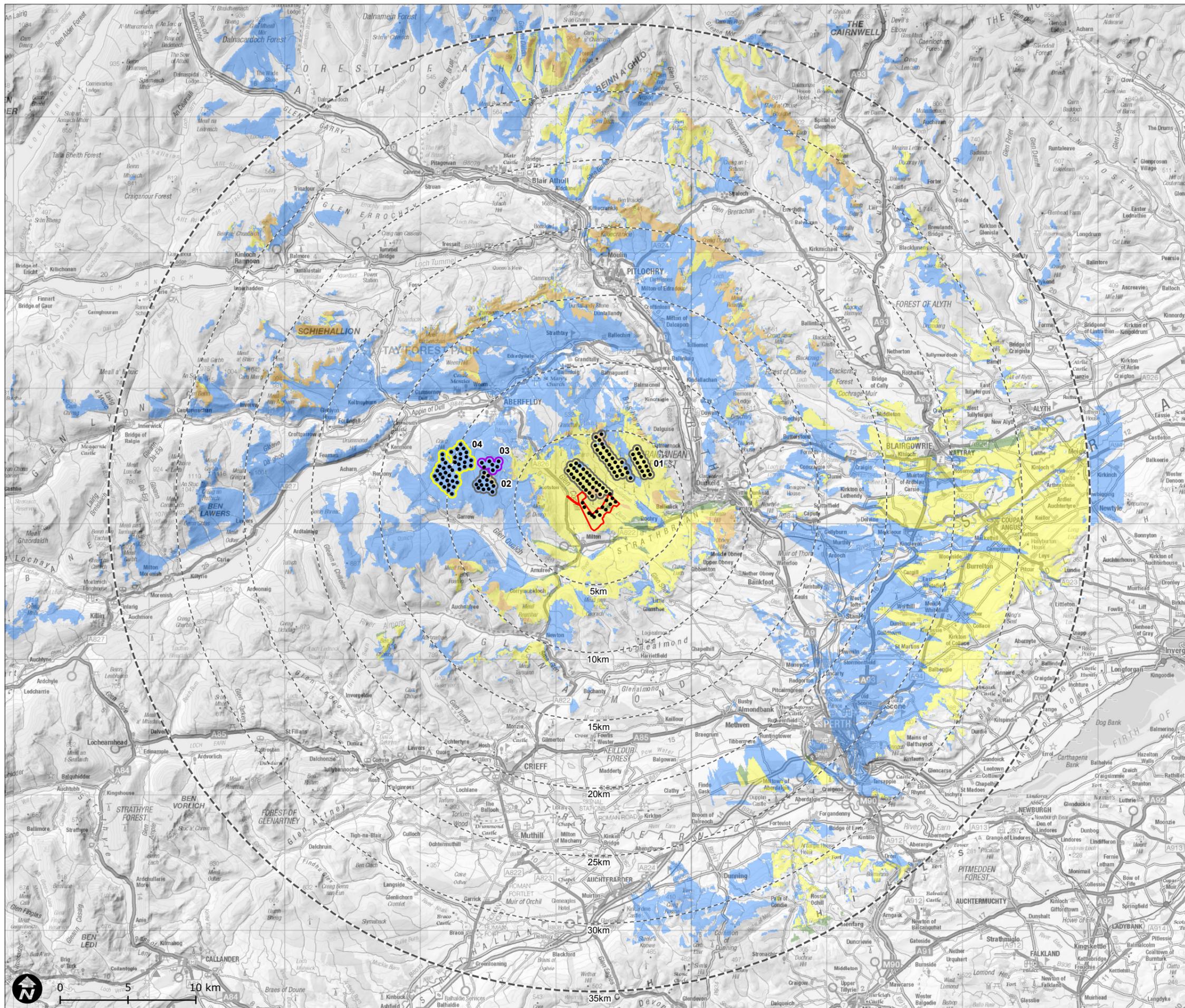
- Only Griffin and/or Calliachar are visible
- Only Crag a' Bhàird is visible
- Crag a' Bhàird and 1 more wind farm are visible
- All three wind farms are visible

Notes
The ZTV is calculated to turbine tip height from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV extents for all windfarms are based on SNH guidance (Visual Representation of Windfarms: Good Practice Guidance, SNH, 2006).

Figure 6.11

Map Scale @ A3: 1:275,000





Paired ZTV: Crag a' Bhàird, Griffin, Calliachar, Crossburns and North Calliachar

- Site boundary
- Turbine location
- 5km buffer intervals
- 35km from outermost turbines
- Wind farm status**
- Operational
- Application submitted
- Design/scoping
 - 01 - Griffin
 - 02 - Calliachar
 - 03 - North Calliachar
 - 04 - Crossburns*
- Theoretical wind farm visibility**
- Other wind farms visible, not Crag a' Bhàird
- Only Crag a' Bhàird is visible
- Crag a' Bhàird and 1-3 other wind farms are visible
- All five wind farms are visible

Notes
 The ZTV is calculated to turbine tip height from a viewing height of 2m above ground level. The terrain model assumes bare ground and is derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account. The ZTV extents for all windfarms are based on SNH guidance (Visual Representation of Windfarms: Good Practice Guidance, SNH, 2006).

* Crossburns - indicative turbine layout captured from the January 2013 Scoping report

Figure 6.12
Map Scale @ A3: 1:275,000