

Crofts Farm Wind Turbines Landscape Figures

to accompany

Crofts Farm Wind Turbines Environmental Statement

Chapter 7: Landscape and Visual Impact

for

Crofts Farm Renewables Ltd

produced by

Green Cat Renewables Ltd.



Crofts Farm Wind Turbines Landscape Figures

Table of Contents

Figure No.	Title	Figure No.	Title
7.1	Study Area	7.12	VP-01 View from The Guynd
7.2	Landscape Character Types	7.13	VP-02 View from B961 near Newton
7.3	Landscape Designations	7.14	VP-03 View from A933 near Colliston
7.4	ZTV to 55m Hub Height and 35km radius	7.15	VP-04 View from Minor Road near Woodville Feus
7.5	ZTV to 80m Tip Height and 35km radius	7.16	VP-05 View from Arbroath
7.6a	Detailed ZTV to 80m Tip Height and 35km radius – NE Zone	7.17	VP-06 View from Friockheim
7.6b	Detailed ZTV to 80m Tip Height and 35km radius – E Zone	7.18	VP-07 View from Dodd Hill
7.6c	Detailed ZTV to 80m Tip Height and 35km radius – SE Zone	7.19	VP-08 View from Tentsmuir
7.6d	Detailed ZTV to 80m Tip Height and 35km radius – SW Zone	7.20	VP-09 View from Kirriemuir
7.6e	Detailed ZTV to 80m Tip Height and 35km radius – W Zone	7.21	VP-10 View from White Cathertun
7.6f	Detailed ZTV to 80m Tip Height and 35km radius – NW Zone	7.22	VP-11 View from Crombie Park
7.7	Cumulative Basemap	7.23	VP-12 View from Pitmuies
7.8	Route Assessment	7.24	VP-13 View from A92 Inverkeiler
7.9	CZTV to Tip Height with 35km Radius – Operational projects	7.25	VP-14 View from Balmashanner Hill
7.10	CZTV to Tip Height with 35km Radius – Consented projects	7.26	VP-15 View from Turin Hill
7.11	CZTV to Tip Height with 35km Radius – Planned projects	7.27	VP-16 View from North of Drummyellow
		7.28	VP-17 View from South of Parkconon
		7.29	VP-18 View from Redford

Project Name: Crofts Farm Wind Turbines

Document Title: Study Area

Scale: 1:250,000 @ A3

Key:

- Proposed Wind Turbines Location
- 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
- Landscape and Visual Study Area (35km)



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.

Drawing by: Green Cat Renewables Ltd

Document Number: CO118-183/Fig 7.1

Version: 1.0

Author: SS

Checked by: RC

Approved By: GM

Date: 10/01/2014

©Green Cat Renewables Ltd



Projects Name: **Crofts Farm Wind Turbines**

Document Title: **Landscape Character Types**

Scale: **1:250,000 @ A3**

- Key:
- Proposed Wind Turbines Location
 - 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
 - Landscape and Visual Study Area (35km)

Landscape Character Types:

Tayside Landscape Assessment:

- | | | | |
|----|-----------------------|----|-----------------------------|
| 1a | Coast with Sand | 6 | Highland Foothills |
| 1b | Coast with Cliffs | 7 | Igneous Hills |
| 2 | Broad Valley Lowlands | 8 | Mid Highland Glens |
| 3 | Firth Lowlands | 9 | Highland Summits & Plateaux |
| 4 | Low Moorland Hills | 10 | Upper Highland Glens |
| 5 | Dipslope Farmland | 11 | Lowland Basins |

Fife Landscape Assessment:

- | | | | |
|---|-------------------------|---|-----------------------------------|
| 1 | Coastal Hills | 6 | Lowland Sloping Farmland |
| 2 | Coastal Terrace | 7 | Upland Foothills |
| 3 | Coastal Flats | 8 | Volcanic Hills & Craigs |
| 4 | Lowland Dens | 9 | Lowland Glacial Meltwater Valleys |
| 5 | Lowland Hills & Valleys | | |

South & Central Aberdeenshire Landscape Assessment:

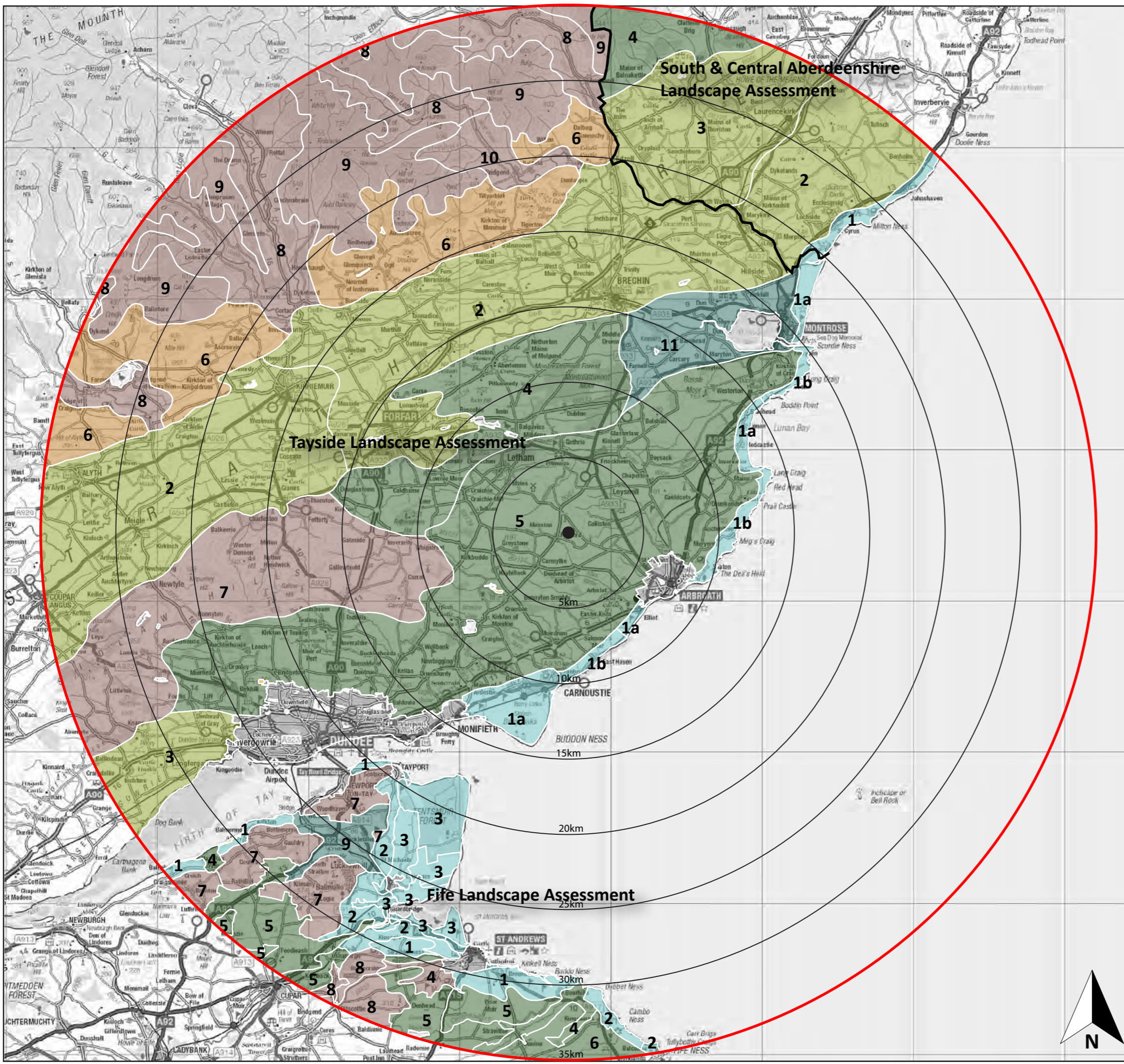
- | | |
|---|----------------------|
| 1 | Kincardine Links |
| 2 | Garvock & Glenbervie |
| 3 | Howe of the Mearns |
| 4 | The Mounth |

Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: **Crofts Farm Renewables Ltd.**

Drawing by: **Green Cat Renewables Ltd**

Document Number: **CO118-183/Fig 7.2**
 Version: **1.0**
 Author: **SS**
 Checked by: **RC**
 Approved By: **GM**
 Date: **10/01/2014**



Project Name: Crofts Farm Wind Turbines

Document Title: Landscape Designations

Scale: 1:250,000 @ A3

Key:

- Proposed Wind Turbines Location
- 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
- Landscape and Visual Study Area (35km)
- Local Authority Boundary
- Special Landscape Areas
- Areas of Landscape Significance
- GDL Area and Identifier

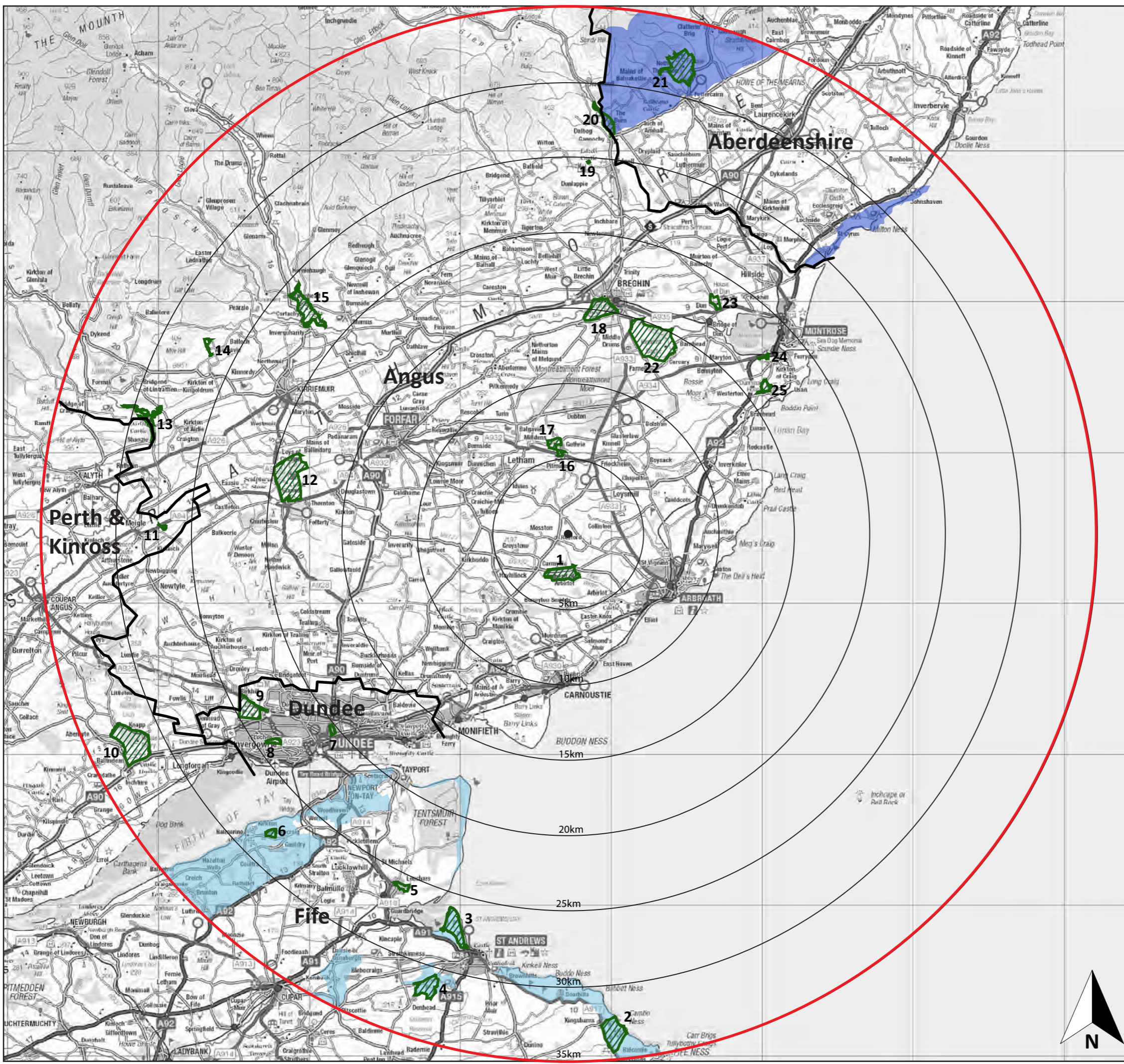
- 1 - The Guynd
- 2 - Cambo
- 3 - St Andrews Link
- 4 - Craigtoun
- 5 - Earlsall
- 6 - Naughton
- 7 - Baxter Park
- 8 - Balgray Park
- 9 - Camperdown House
- 10 - Rossie Piory
- 11 - Drumkilbo
- 12 - Glamis Castle
- 13 - Airlie Castle
- 14 - Ascreavie
- 15 - Cortachy Castle
- 16 - House of Pitmuies
- 17 - Guthrie Castle
- 18 - Brechin Castle
- 19 - Edzell Castle
- 20 - The Burn
- 21 - Fasque House
- 22 - Kinnaird Castle
- 23 - House of Dun
- 24 - Craig House
- 25 - Dunninald

Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.

Drawing by: Green Cat Renewables Ltd

Document Number: CO118-183/Fig 7.3
 Version: 1.0
 Author: SS
 Checked by: RC
 Approved By: GM
 Date: 10/01/2014



Project Name: Crofts Farm Wind Turbines

Document Title: ZTV to 55m Hub Height

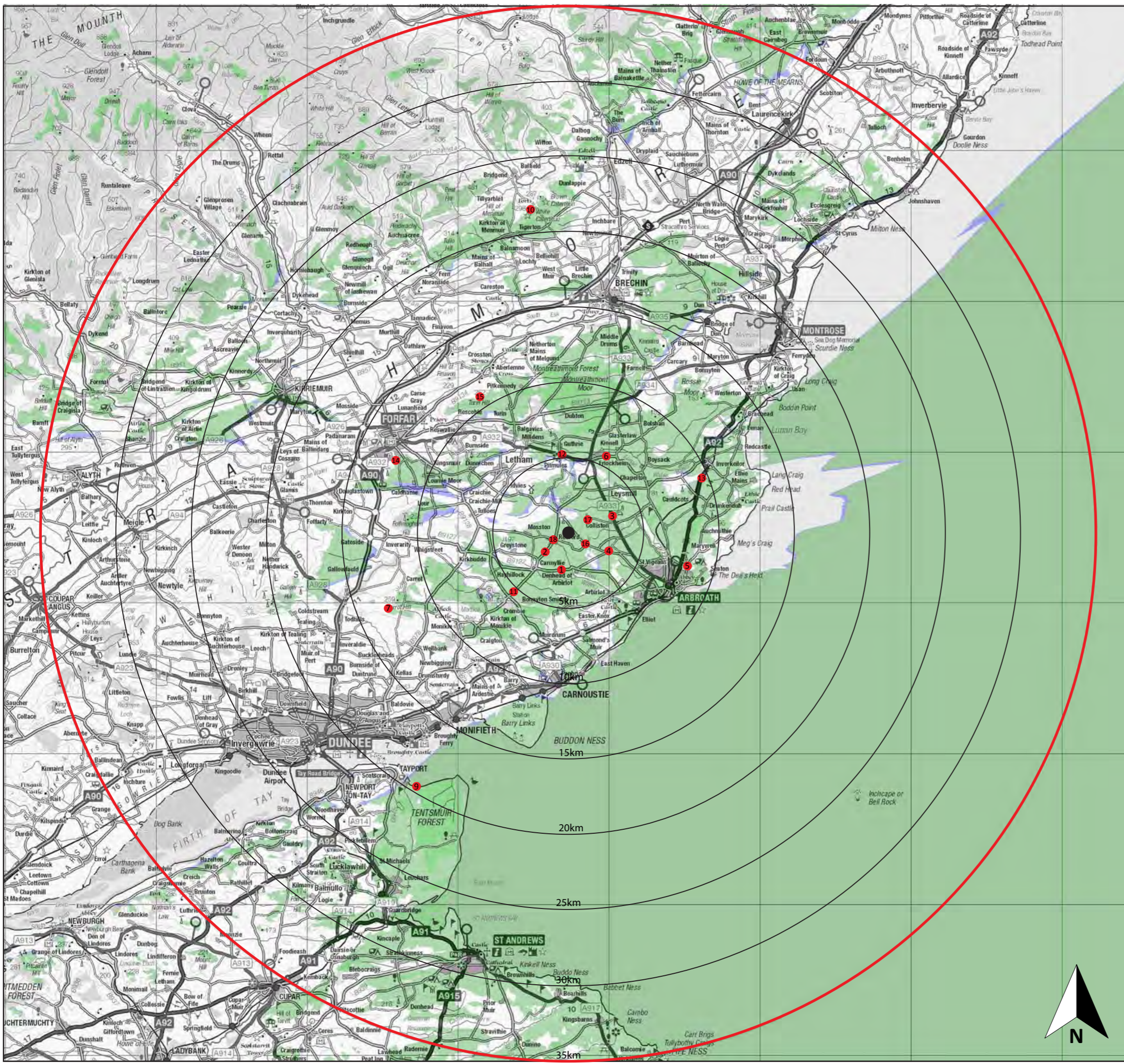
Scale: 1:250,000 @ A3

Key:

- Proposed Wind Turbines Location
- 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
- Landscape and Visual Study Area (35km)
- 1 Turbine Theoretically Visibility
- 2 Turbines Theoretically Visibility
- ① Viewpoint Locator & Identifier

Viewpoint Name:

- 1 - The Guynd
- 2 - B961 near Newton
- 3 - A933 near Colliston
- 4 - Minor Road near Woodville Feus
- 5 - Arbroath
- 6 - Friockheim
- 7 - Dodd Hill
- 8 - Tentsmuir
- 9 - Kirriemuir Hill
- 10 - White Caterthun
- 11 - Crombie Park
- 12 - Pitmuies House
- 13 - A92 Inverkeiler
- 14 - Balmashanner Hill
- 15 - Turin Hill
- 16 - North of Drumyellow
- 17 - South of Parkconon
- 18 - Redford



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.

Drawing by: Green Cat Renewables Ltd

Document Number: CO118-183/Fig 7.4
 Version: 1.0
 Author: SS
 Checked by: RC
 Approved By: GM
 Date: 10/01/2014



Project Name: Crofts Farm Wind Turbines

Document Title: ZTV to 80m Tip Height

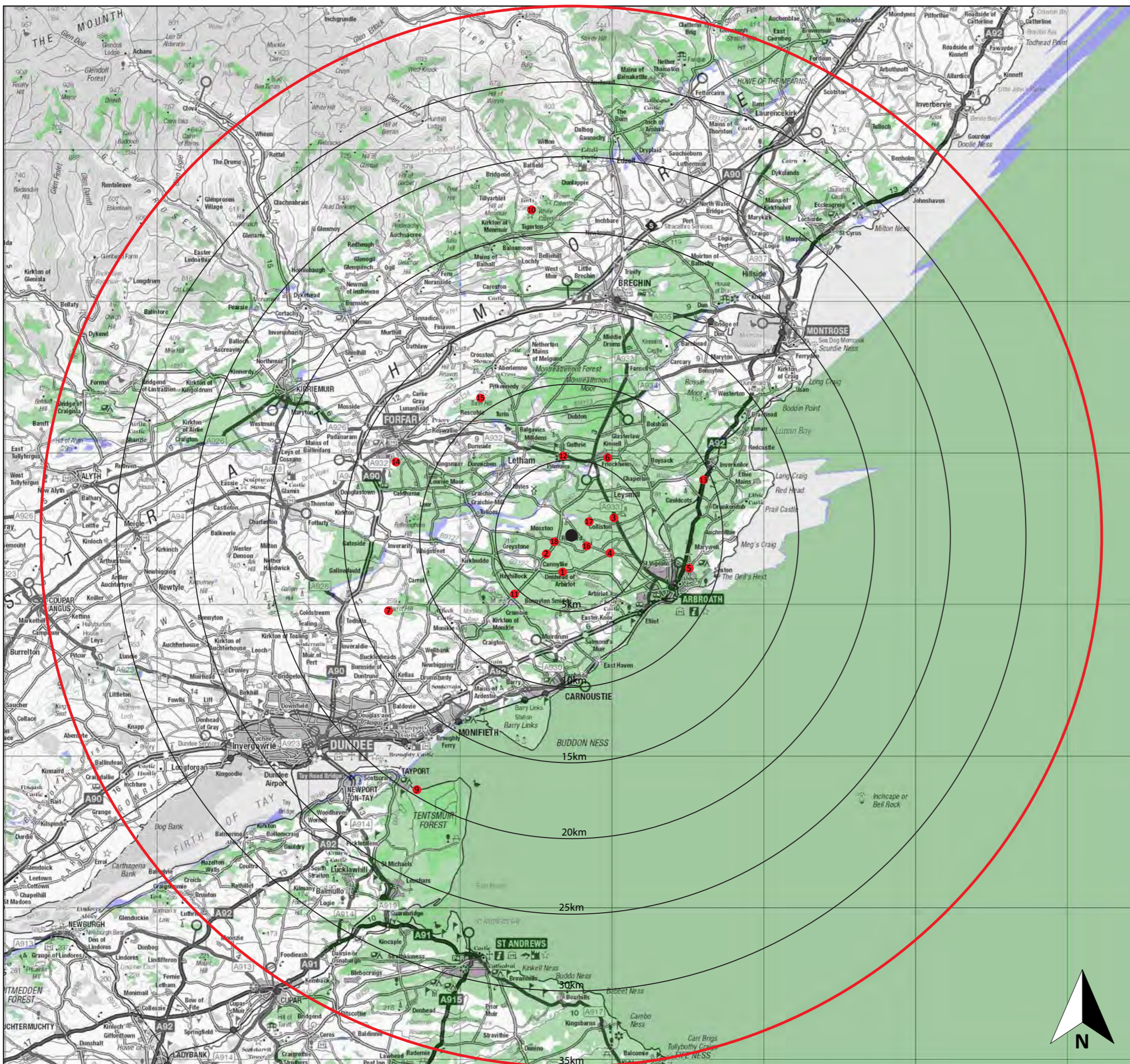
Scale: 1:250,000 @ A3

Key:

- Proposed Wind Turbines Location
- 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
- Landscape and Visual Study Area (35km)
- 1 Turbine Theoretically Visibility
- 2 Turbines Theoretically Visibility
- ① Viewpoint Locator & Identifier

Viewpoint Name:

- 1 - The Guynd
- 2 - B961 near Newton
- 3 - A933 near Colliston
- 4 - Minor Road near Woodville Feus
- 5 - Arbroath
- 6 - Friockheim
- 7 - Dodd Hill
- 8 - Tentsmuir
- 9 - Kirriemuir Hill
- 10 - White Caterthun
- 11 - Crombie Park
- 12 - Pitmuies House
- 13 - A92 Inverkeiler
- 14 - Balmashanner Hill
- 15 - Turin Hill
- 16 - North of Drummyellow
- 17 - South of Parkconon
- 18 - Redford



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.

Drawing by: Green Cat Renewables Ltd

Document Number: CO118-183/Fig 7.5

Version: 1.0

Author: SS

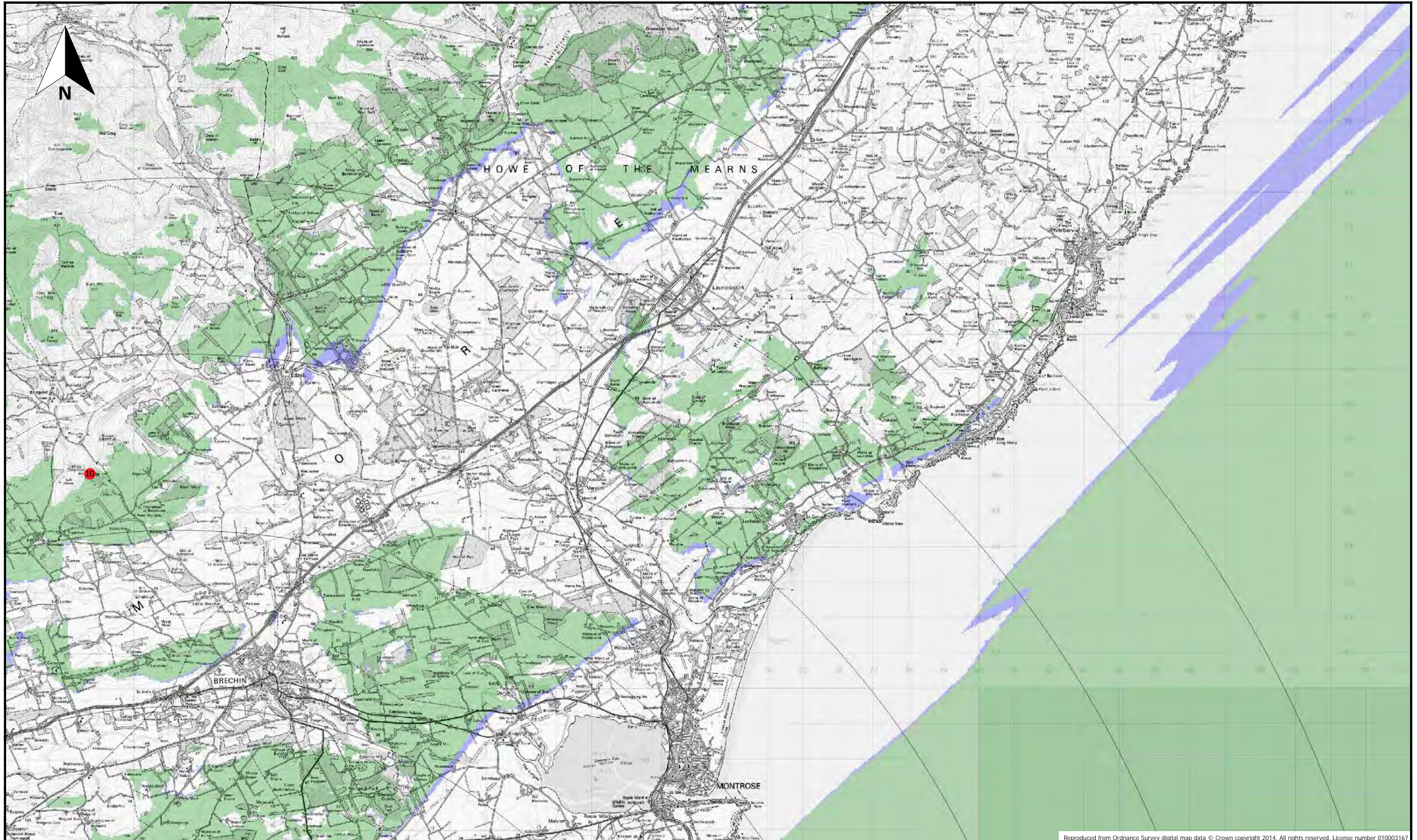
Checked by: RC

Approved By: GM

Date: 10/01/2014

©Green Cat Renewables Ltd





Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

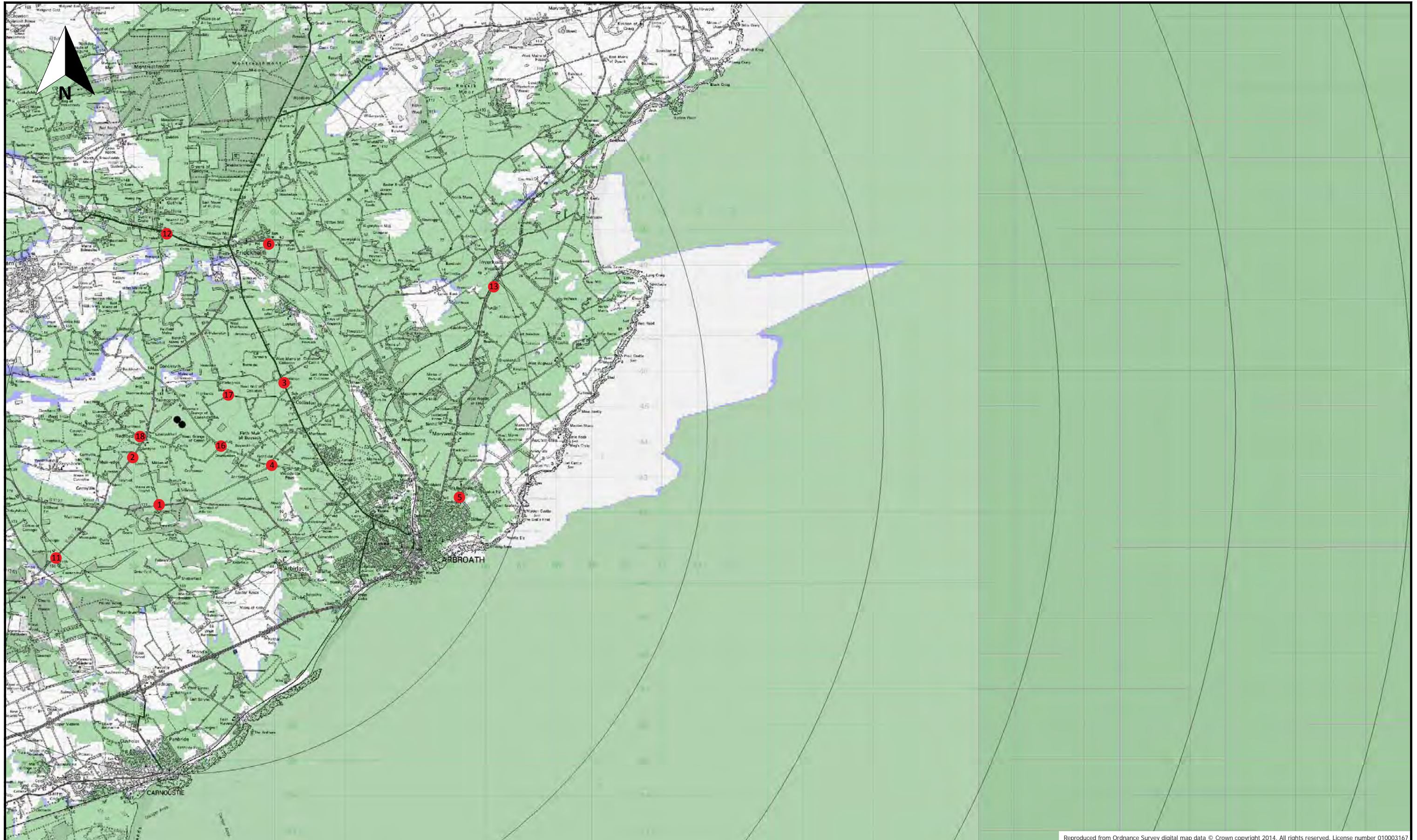
Project Name: **Crofts Farm Wind Turbines**
 Document Title: **Detailed ZTV to 80m Tip Height - North East Zone**
 Scale: **1:100,000 @ A3**

●	Proposed Wind Turbine Locations	📍	Viewpoint Locator & Identifier
🟦	1 Turbine Theoretically Visible	<u>Viewpoint Name:</u>	
🟩	2 Turbines Theoretically Visible	1 - The Guynd	7 - Dodd Hill
—	5, 10, 15, 20, 25, 30 & 35km Radii from Wind Turbines Centre	2 - B961 near Newton	8 - Tentsmuir
		3 - A933 near Colliston	9 - Kirriemuir Hill
		4 - Minor Road near Woodville	10 - White Caterthun
		5 - Arbroath	11 - Crombie Park
		6 - Friockheim	12 - Pitmuies House
			13 - A92 Inverkeiler
			14 - Balmashanner Hill
			15 - Turin Hill
			16 - North of Drummyellow
			17 - South of Parkconnon
			18 - Redford

Document Number: **CO118-183/Fig 7.6a**
 Version: **1.0**
 Author: **SS**
 Checked by: **RC**
 Approved By: **GM**
 Date: **10/01/2014**

©Green Cat Renewables Ltd






Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

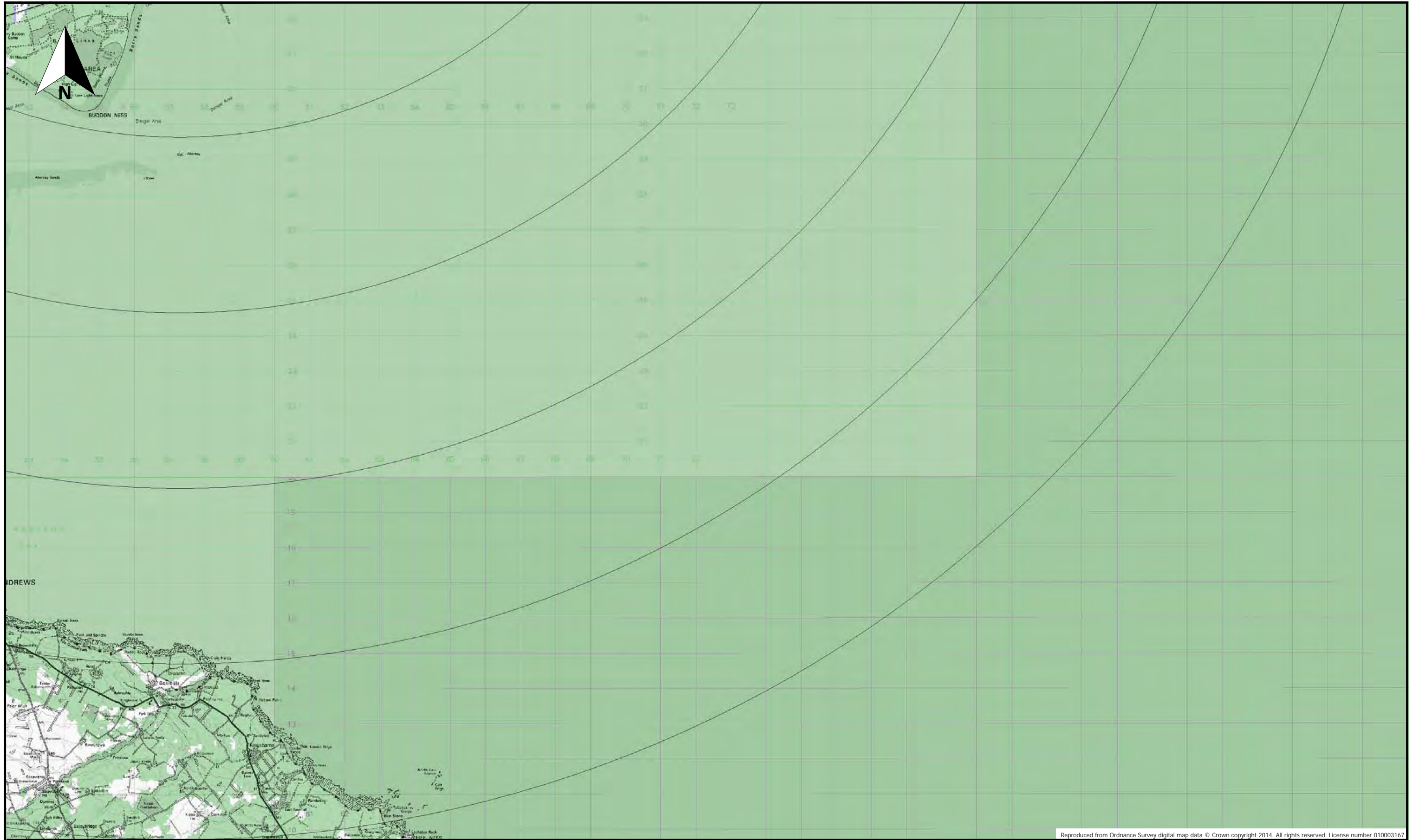
Project Name: **Crofts Farm Wind Turbines**
 Document Title: **Detailed ZTV to 80m Tip Height - East Zone**
 Scale: **1:100,000 @ A3**

<p>Key:</p> <ul style="list-style-type: none"> ● Proposed Wind Turbine Locations ■ 1 Turbine Theoretically Visible ■ 2 Turbines Theoretically Visible ○ 5, 10, 15, 20, 25, 30 & 35km Radii from Wind Turbines Centre 	<p>Viewpoint Locator & Identifier</p> <p><u>Viewpoint Name:</u></p> <table border="0"> <tr> <td>1 - The Guynd</td> <td>7 - Dodd Hill</td> <td>13 - A92 Inverkeiler</td> </tr> <tr> <td>2 - B961 near Newton</td> <td>8 - Tentsmuir</td> <td>14 - Balmashanner Hill</td> </tr> <tr> <td>3 - A933 near Colliston</td> <td>9 - Kirriemuir Hill</td> <td>15 - Turin Hill</td> </tr> <tr> <td>4 - Minor Road near Woodville</td> <td>10 - White Caterthun</td> <td>16 - North of Drummyellow</td> </tr> <tr> <td>5 - Arbroath</td> <td>11 - Crombie Park</td> <td>17 - South of Parkconnon</td> </tr> <tr> <td>6 - Frickheim</td> <td>12 - Pitmuies House</td> <td>18 - Redford</td> </tr> </table>	1 - The Guynd	7 - Dodd Hill	13 - A92 Inverkeiler	2 - B961 near Newton	8 - Tentsmuir	14 - Balmashanner Hill	3 - A933 near Colliston	9 - Kirriemuir Hill	15 - Turin Hill	4 - Minor Road near Woodville	10 - White Caterthun	16 - North of Drummyellow	5 - Arbroath	11 - Crombie Park	17 - South of Parkconnon	6 - Frickheim	12 - Pitmuies House	18 - Redford
1 - The Guynd	7 - Dodd Hill	13 - A92 Inverkeiler																	
2 - B961 near Newton	8 - Tentsmuir	14 - Balmashanner Hill																	
3 - A933 near Colliston	9 - Kirriemuir Hill	15 - Turin Hill																	
4 - Minor Road near Woodville	10 - White Caterthun	16 - North of Drummyellow																	
5 - Arbroath	11 - Crombie Park	17 - South of Parkconnon																	
6 - Frickheim	12 - Pitmuies House	18 - Redford																	

Document Number:	CO118-183/Fig 7.6b
Version:	1.0
Author:	SS
Checked by:	RC
Approved By:	GM
Date:	10/01/2014

©Green Cat Renewables Ltd





Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Project Name: **Crofts Farm Wind Turbines**
 Document Title: **Detailed ZTV to 80m Tip Height - South East Zone**
 Scale: **1:100,000 @ A3**

Key:

- Proposed Wind Turbine Locations
- 1 Turbine Theoretically Visible
- 2 Turbines Theoretically Visible
- 5, 10, 15, 20, 25, 30 & 35km Radii from Wind Turbines Centre


Viewpoint Locator & Identifier

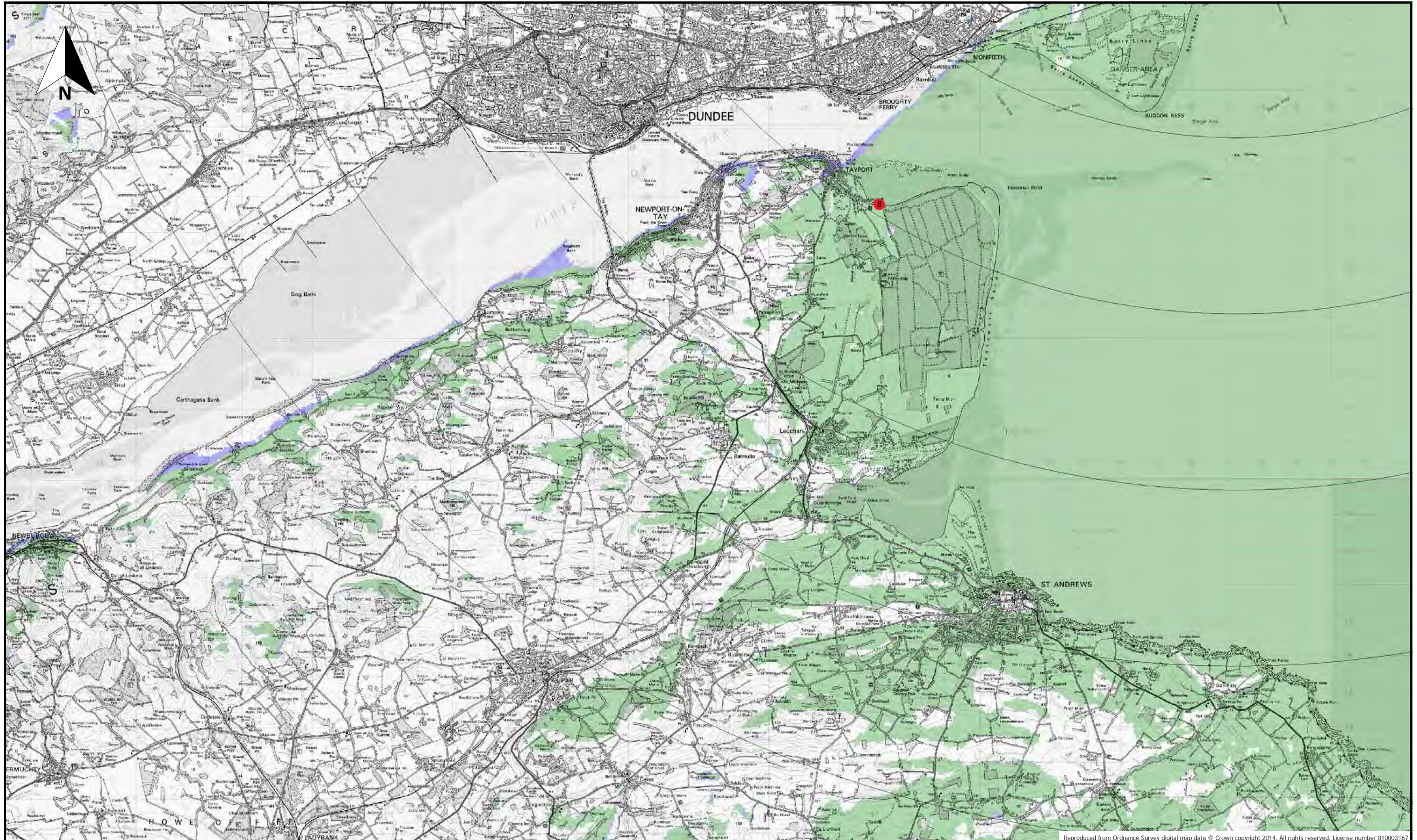
Viewpoint Name:

1 - The Guynd	7 - Dodd Hill	13 - A92 Inverkeiler
2 - B961 near Newton	8 - Tentsmuir	14 - Balmashanner Hill
3 - A933 near Colliston	9 - Kirriemuir Hill	15 - Turin Hill
4 - Minor Road near Woodville	10 - White Caterthun	16 - North of Drummyellow
5 - Arbroath	11 - Crombie Park	17 - South of Parkconnon
6 - Friockheim	12 - Pitmuies House	18 - Redford

Document Number:	CO118-183/Fig 7.6c
Version:	1.0
Author:	SS
Checked by:	RC
Approved By:	GM
Date:	10/01/2014

©Green Cat Renewables Ltd





Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Project Name: **Crofts Farm Wind Turbines**

Document Title: **Detailed ZTV to 80m Tip Height - South West Zone**

Scale: **1:100,000 @ A3**

- Key:**
- Proposed Wind Turbine Locations
 - 1 Turbine Theoretically Visible
 - 2 Turbines Theoretically Visible
 - 5, 10, 15, 20, 25, 30 & 35km Radii from Wind Turbines Centre

● Viewpoint Locator & Identifier

Viewpoint Name:

- | | | |
|-------------------------------|----------------------|---------------------------|
| 1 - The Guynd | 7 - Dodd Hill | 13 - A92 Inverkeiler |
| 2 - B961 near Newton | 8 - Tentsmuir | 14 - Balmashanner Hill |
| 3 - A933 near Colliston | 9 - Kirriemuir Hill | 15 - Turin Hill |
| 4 - Minor Road near Woodville | 10 - White Caterthun | 16 - North of Drummyellow |
| 5 - Arbroath | 11 - Crombie Park | 17 - South of Parkconnon |
| 6 - Fricokheim | 12 - Pitmuies House | 18 - Redford |

Document Number: **CO118-183/Fig 7.6d**

Version: **1.0**

Author: **SS**

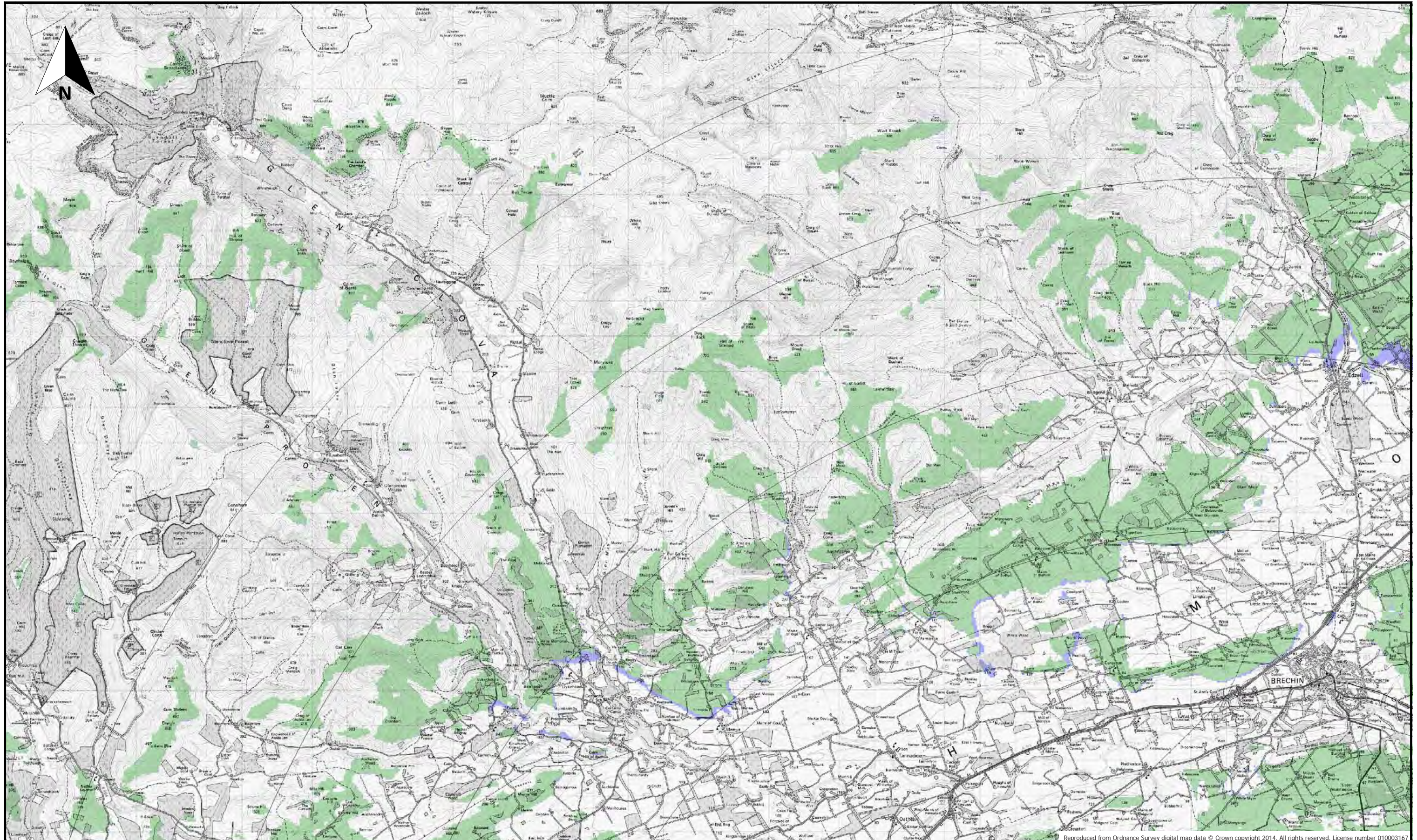
Checked by: **RC**

Approved By: **GM**

Date: **10/01/2014**

©Green Cat Renewables Ltd





Project Name: **Crofts Farm Wind Turbines**

Document Title: **Detailed ZTV to 80m Tip Height - North West Zone**

Scale: **1:100,000 @ A3**

Key:		Viewpoint Locator & Identifier	
●	Proposed Wind Turbine Locations	1 - The Guynd	7 - Dodd Hill
■ (Blue)	1 Turbine Theoretically Visible	2 - B961 near Newton	8 - Tentsmuir
■ (Green)	2 Turbines Theoretically Visible	3 - A933 near Colliston	9 - Kirriemuir Hill
— (5, 10, 15, 20, 25, 30 & 35km)	5, 10, 15, 20, 25, 30 & 35km Radii from Wind Turbines Centre	4 - Minor Road near Woodville	10 - White Caterthun
		5 - Arbroath	11 - South of Parkconnon
		6 - Friockheim	12 - Pitmuies House
			13 - A92 Inverkeiler
			14 - Balmashanner Hill
			15 - Turin Hill
			16 - North of Drummyellow
			17 - South of Parkconnon
			18 - Redford

Document Number: **CO118-183/Fig 7.6f**

Version: **1.0**


Author: **SS**

Checked by: **RC**

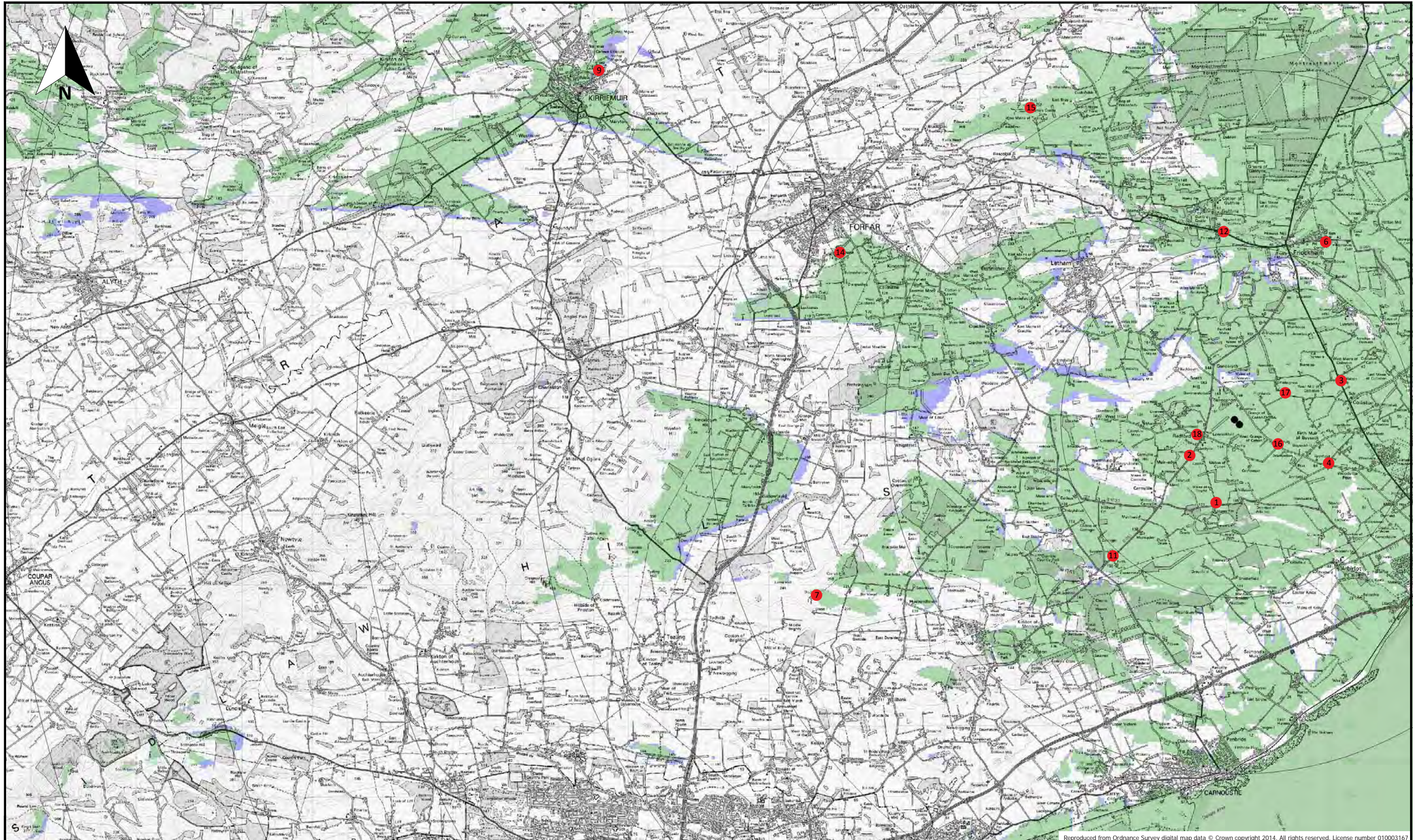
Approved By: **GM**

Date: **10/01/2014**

©Green Cat Renewables Ltd



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Project Name: **Crofts Farm Wind Turbines**

Document Title: **Detailed ZTV to 80m Tip Height - West Zone**

Scale: **1:100,000 @ A3**

- Key:**
- Proposed Wind Turbine Locations
 - 1 Turbine Theoretically Visible
 - 2 Turbines Theoretically Visible
 - 5, 10, 15, 20, 25, 30 & 35km Radii from Wind Turbines Centre

- Viewpoint Locator & Identifier**
- Viewpoint Name:
- | | | |
|-------------------------------|----------------------|---------------------------|
| 1 - The Guynd | 7 - Dodd Hill | 13 - A92 Inverkeiler |
| 2 - B961 near Newton | 8 - Tentsmuir | 14 - Balmashanner Hill |
| 3 - A933 near Colliston | 9 - Kirriemuir Hill | 15 - Turin Hill |
| 4 - Minor Road near Woodville | 10 - White Caterthun | 16 - North of Drummyellow |
| 5 - Arbroath | 11 - Crombie Park | 17 - South of Parkconnon |
| 6 - Friockheim | 12 - Pitmuies House | 18 - Redford |

Document Number: **CO118-183/Fig 7.6e**
 Version: **1.0**
 Author: **SS**
 Checked by: **RC**
 Approved By: **GM**
 Date: **10/01/2014**






Project Name: **Crofts Farm Wind Turbines**

Document Title: **Cumulative Basemap**

Scale: **1:500,000 @ A3**




Key:

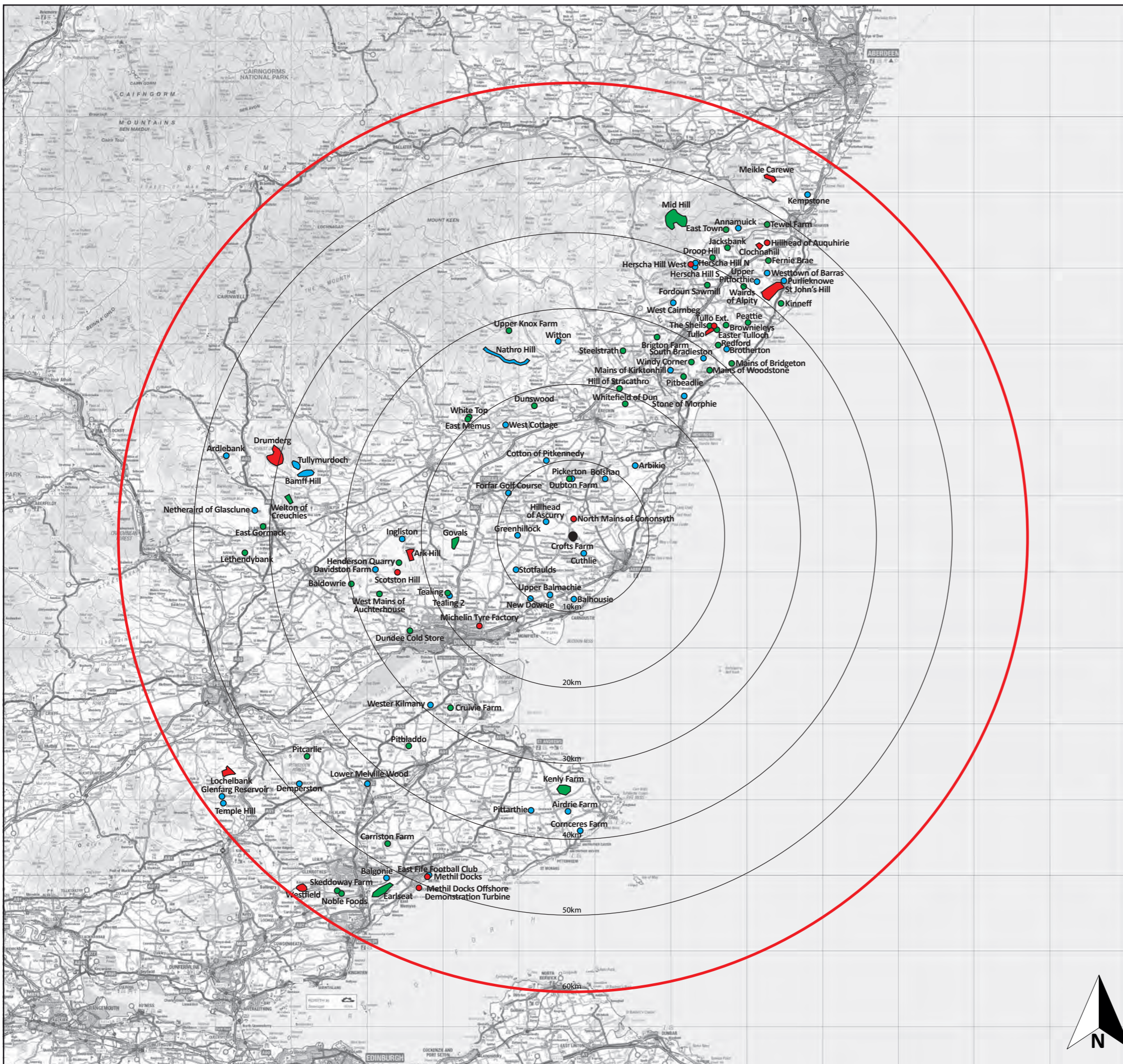
-  Proposed Wind Turbines Location
-  10, 20, 30, 40 & 50km Radii from Wind turbines Centre
-  Cumulative Study Area (60km)

3 Turbines or Fewer

-  Operational
-  Consented
-  Planning

4 or more Turbines

-  Operational
-  Consented
-  Planning



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: **Crofts Farm Renewables Ltd.**

Drawing by: **Green Cat Renewables Ltd**

Document Number: **CO118-183/Fig 7.7**
 Version: **1.0**
 Author: **SS**
 Checked by: **RC**
 Approved By: **GM**
 Date: **10/01/2014**



Project Name: Crofts Farm Wind Turbines

Document Title: Route Assessment

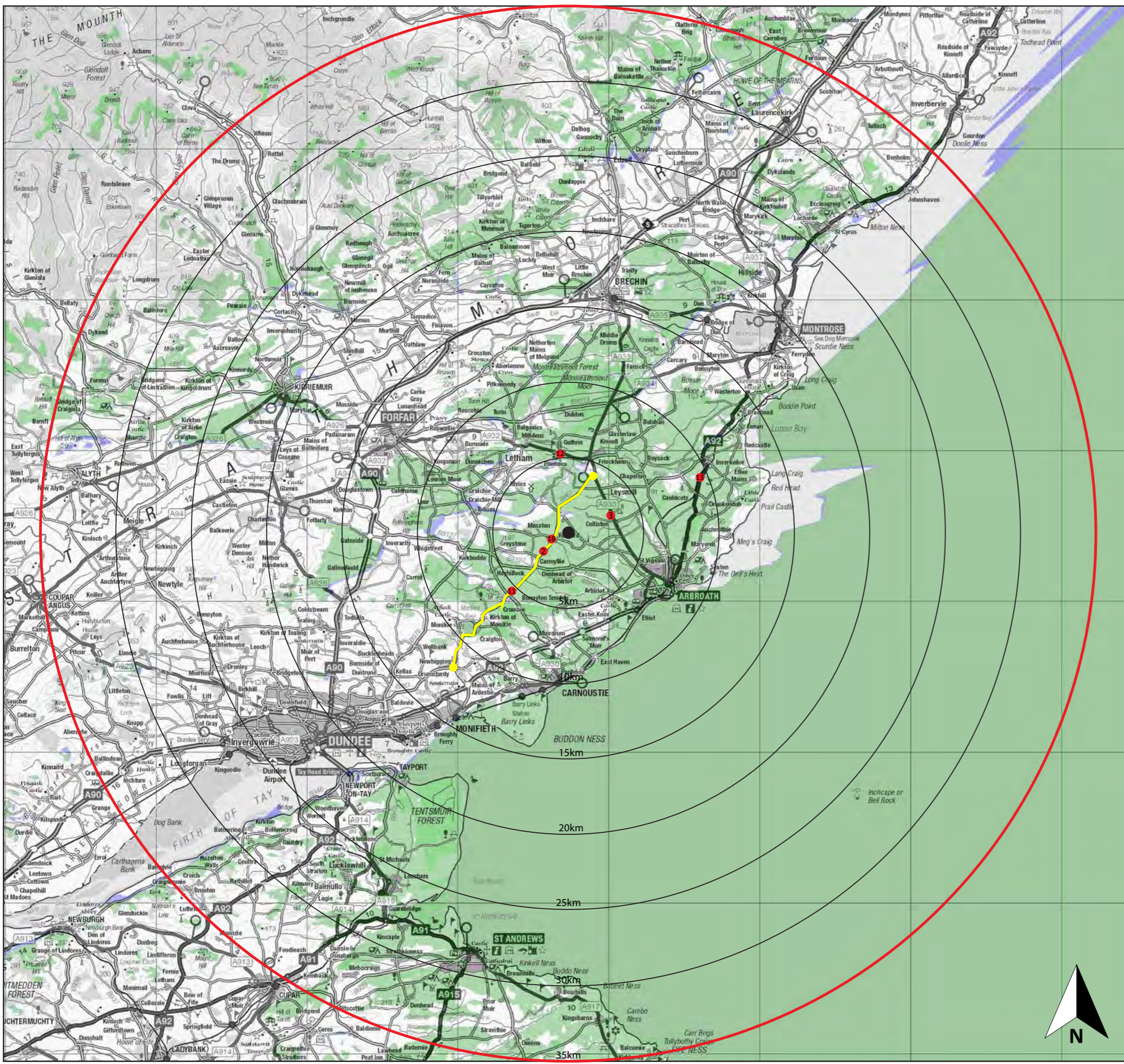
Scale: 1:250,000 @ A3

Key:

- Proposed Wind Turbines Location
- 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
- Landscape and Visual Study Area (35km)
- 1 Turbine Theoretically Visibility
- 2 Turbines Theoretically Visibility
- B961, Newbiggin to A933 (south of Frickheim)
- ① Viewpoint Locator & Identifier

Viewpoint Name:

- 2 - B961 near Newton
- 3 - A933 near Colliston
- 11 - Crombie Park
- 12 - Pitmuies/A923
- 13 - A92 Inverkeiler
- 18 - Redford



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.

Drawing by: Green Cat Renewables Ltd

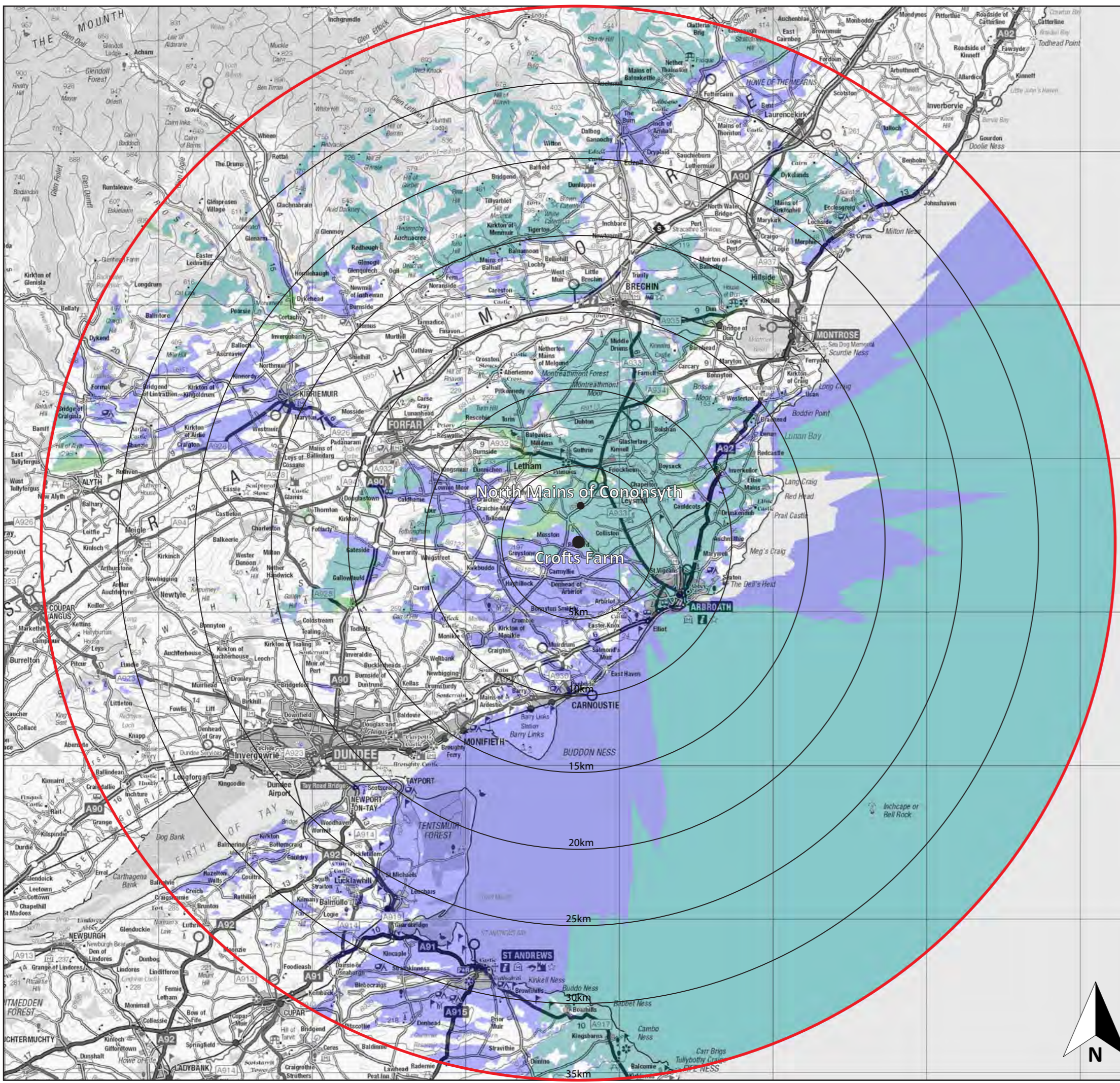
Document Number: CO118-183/Fig 7.8
 Version: 1.0
 Author: SS
 Checked by: RC
 Approved By: GM
 Date: 10/01/2014

©Green Cat Renewables Ltd



Project Name: Crofts Farm Wind Turbines
Document Title: Cumulative ZTV to Tip Height for 35km Radii - North Mains of Cononsyth (Operational)
Scale: 1:250,000 @ A3

- Key:
- Proposed Turbines Location
 - Other Project Location
 - 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
 - Landscape and Visual Study Area (35km)
 - Crofts Farm Visible
 - North Mains of Cononsyth Visible
 - Crofts Farm & North Mains of Cononsyth Visible



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.
Drawing by: Green Cat Renewables Ltd

Document Number: CO118-183/Fig 7.9a
Version: 1.0
Author: SS
Checked by: RC
Approved By: GM
Date: 10/01/2014



Project Name: Crofts Farm Wind Turbines

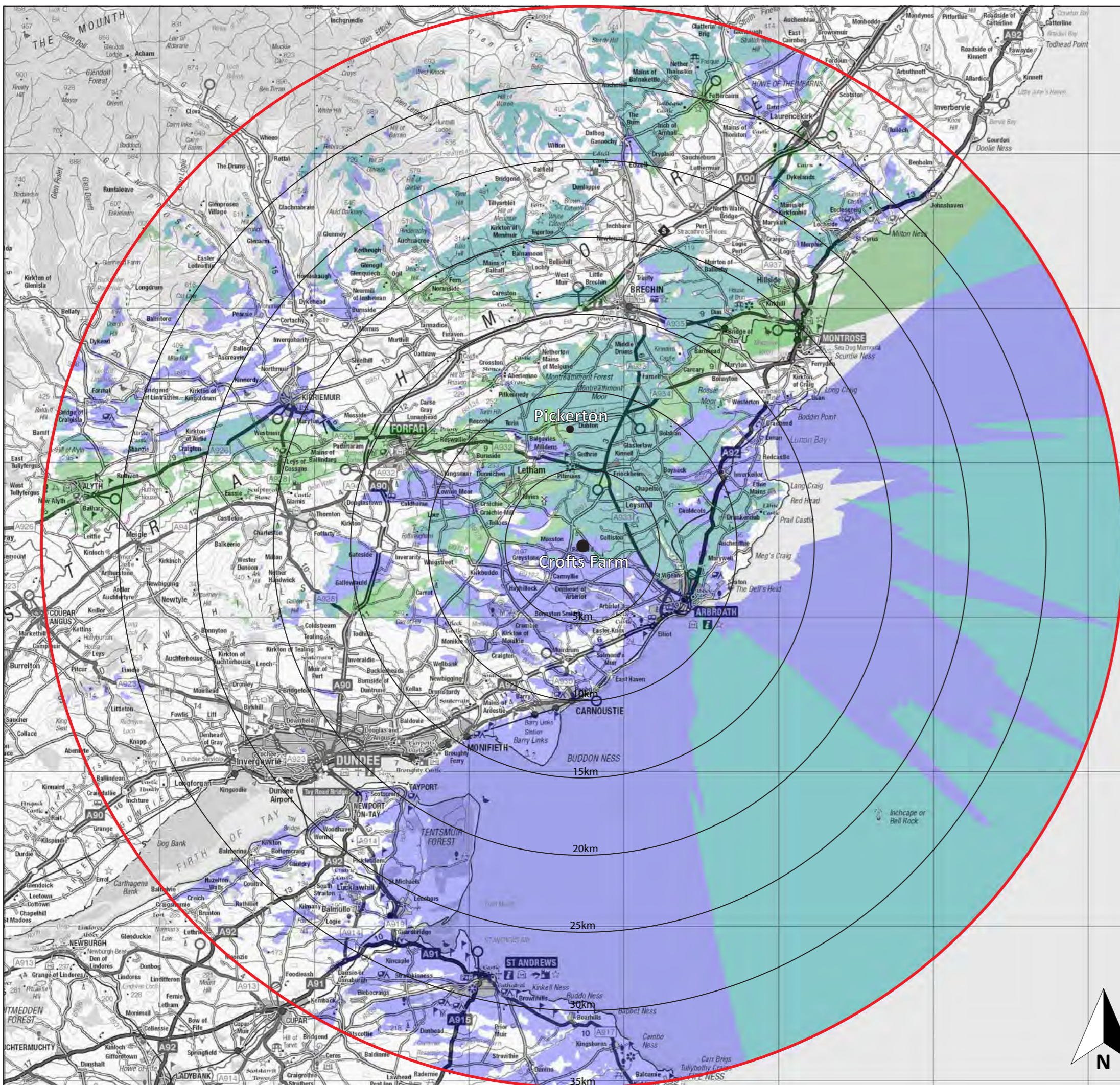
Document Title: Cumulative ZTV to Tip Height for 35km Radii - Pickerton (Consented)

Scale: 1:250,000 @ A3

Key:

- Proposed Turbines Location
- Other Project Location
- 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
- Landscape and Visual Study Area (35km)

- Crofts Farm Visible
- Pickerton Visible
- Crofts Farm & Pickerton Visible



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.

Drawing by: Green Cat Renewables Ltd

Document Number: CO118-183/Fig 7.10a
 Version: 1.0
 Author: SS
 Checked by: RC
 Approved By: GM
 Date: 10/01/2014

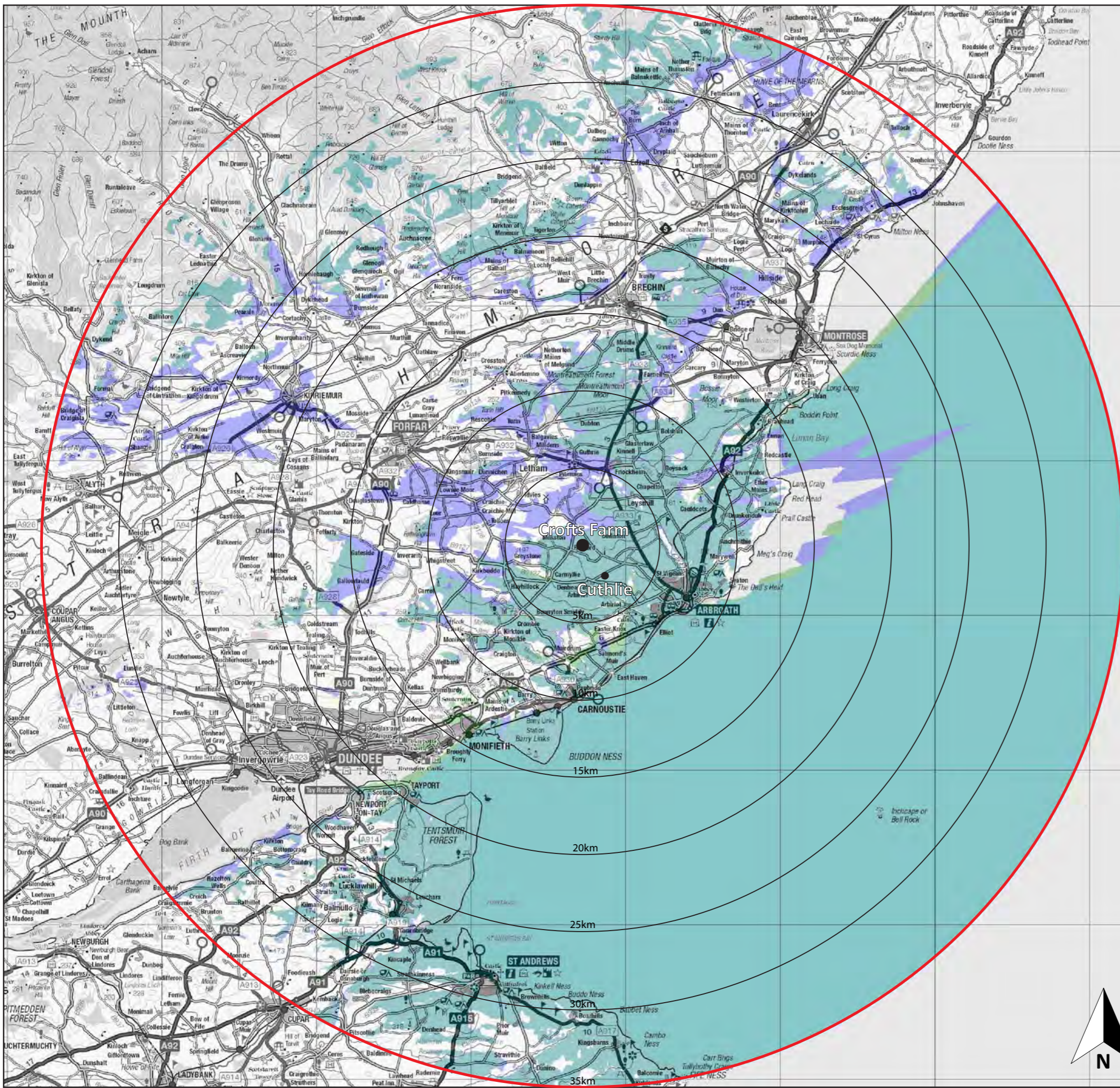
©Green Cat Renewables Ltd



Project Name: Crofts Farm Wind Turbines
Document Title: Cumulative ZTV to Tip Height for 35km Radii - Cuthlie (Planning)
Scale: 1:250,000 @ A3

- Key:
- Proposed Turbines Location
 - Other Project Location
 - 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
 - Landscape and Visual Study Area (35km)

- Crofts Farm Visible
- Cuthlie Visible
- Crofts Farm & Cuthlie Visible



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.
Drawing by: Green Cat Renewables Ltd

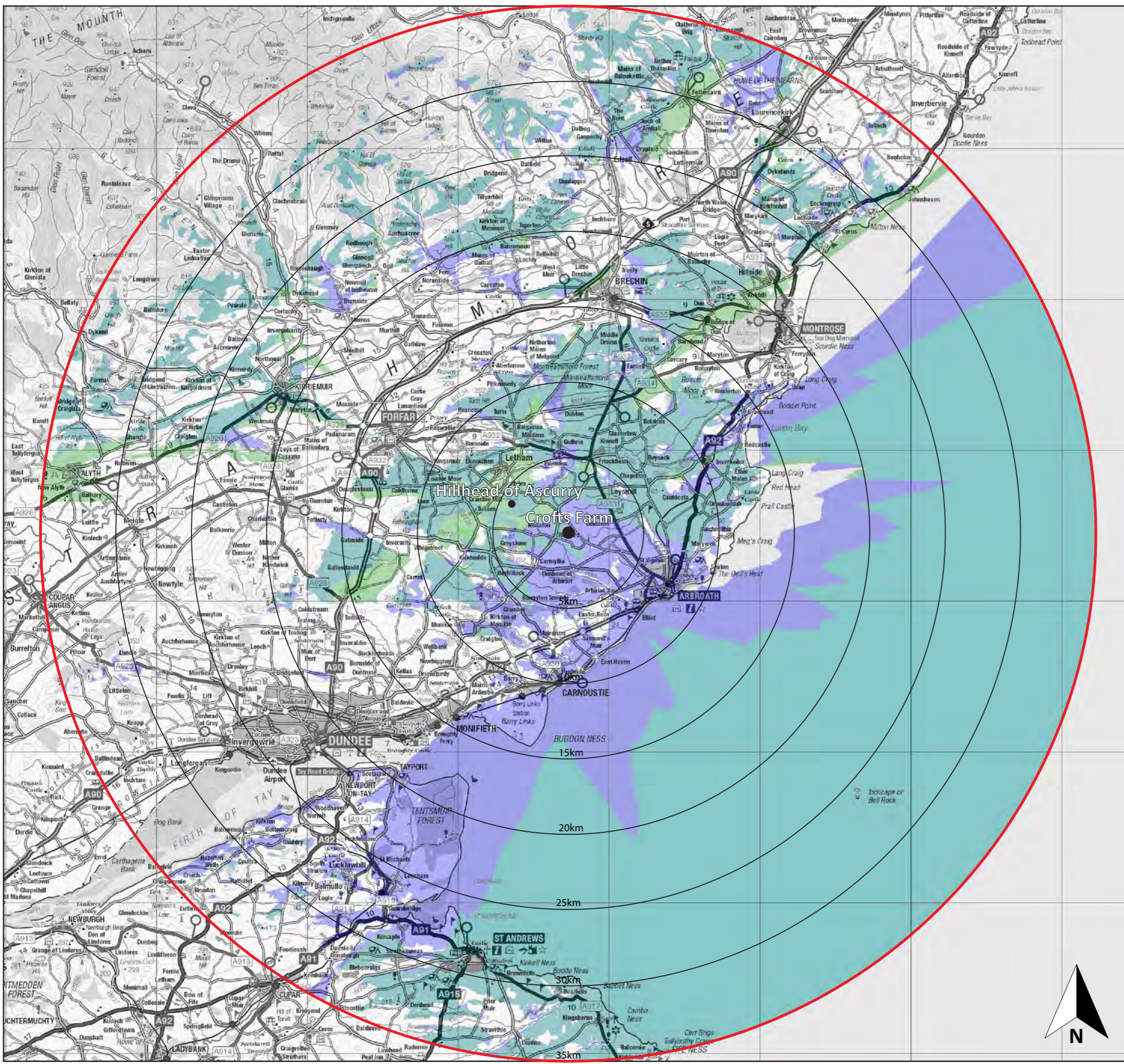
Document Number: CO118-183/Fig 7.11a
Version: 1.0
Author: SS
Checked by: RC
Approved By: GM
Date: 10/01/2014



Project Name: Crofts Farm Wind Turbines
Document Title: Cumulative ZTV to Tip Height for 35km Radii - Hillhead of Ascurry (Planning)
Scale: 1:250,000 @ A3

- Key:
- Proposed Turbines Location
 - Other Project Location
 - 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
 - Landscape and Visual Study Area (35km)

- Crofts Farm Visible
- Hillhead of Ascurry Visible
- Crofts Farm & Hillhead of Ascurry Visible



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.
Drawing by: Green Cat Renewables Ltd

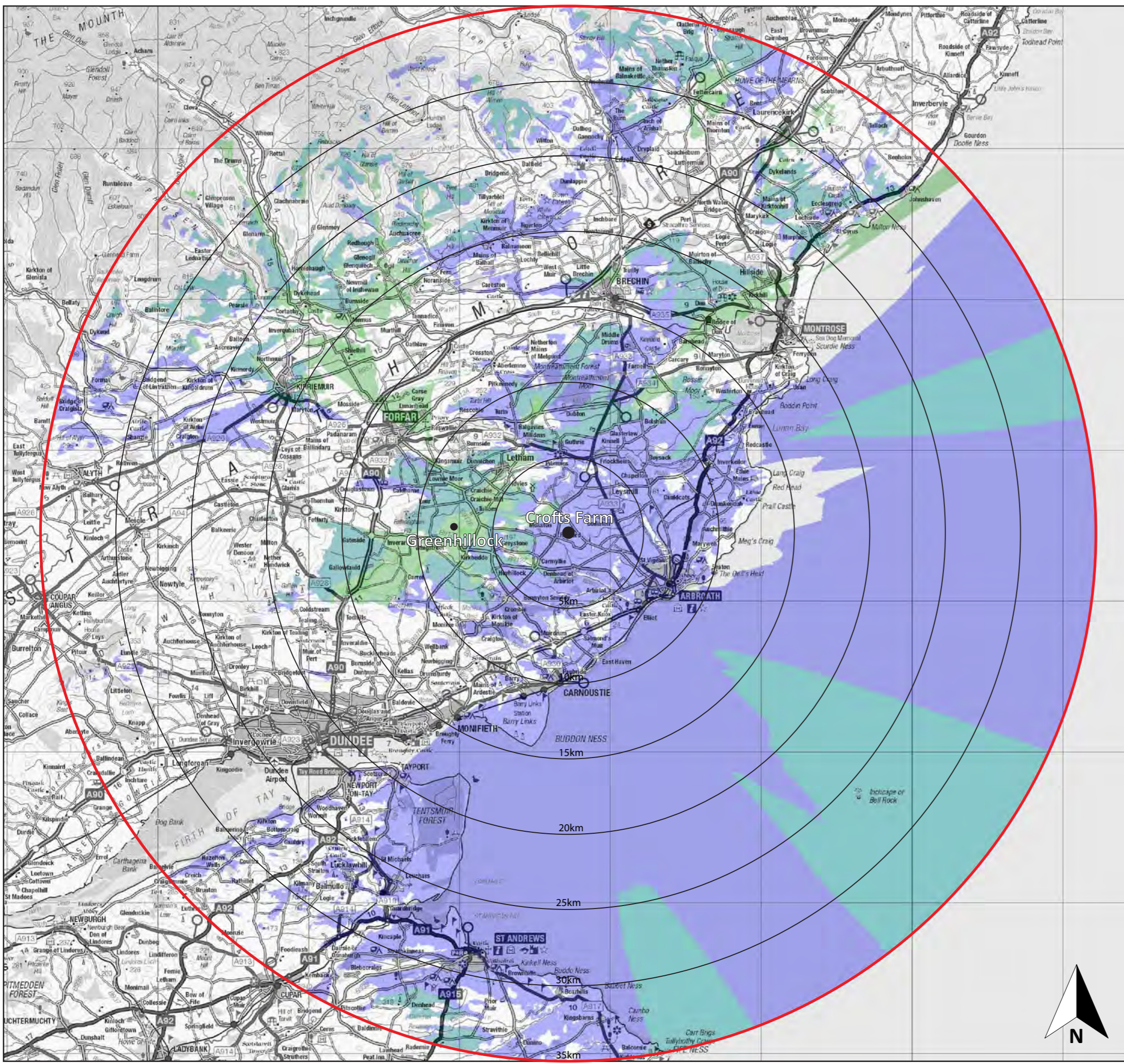
Document Number: CO118-183/Fig 7.11b
 Version: 1.0
 Author: SS
 Checked by: RC
 Approved By: GM
 Date: 10/01/2014



Project Name: Crofts Farm Wind Turbines
Document Title: Cumulative ZTV to Tip Height for 35km Radii - Greenhillock (Planning)
Scale: 1:250,000 @ A3

- Key:
- Proposed Turbines Location
 - Other Project Location
 - 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
 - Landscape and Visual Study Area (35km)

- Crofts Farm Visible
- Greenhillock Visible
- Crofts Farm & Greenhillock Visible



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.
Drawing by: Green Cat Renewables Ltd

Document Number: CO118-183/Fig 7.11c
Version: 1.0
Author: SS
Checked by: RC
Approved By: GM
Date: 10/01/2014

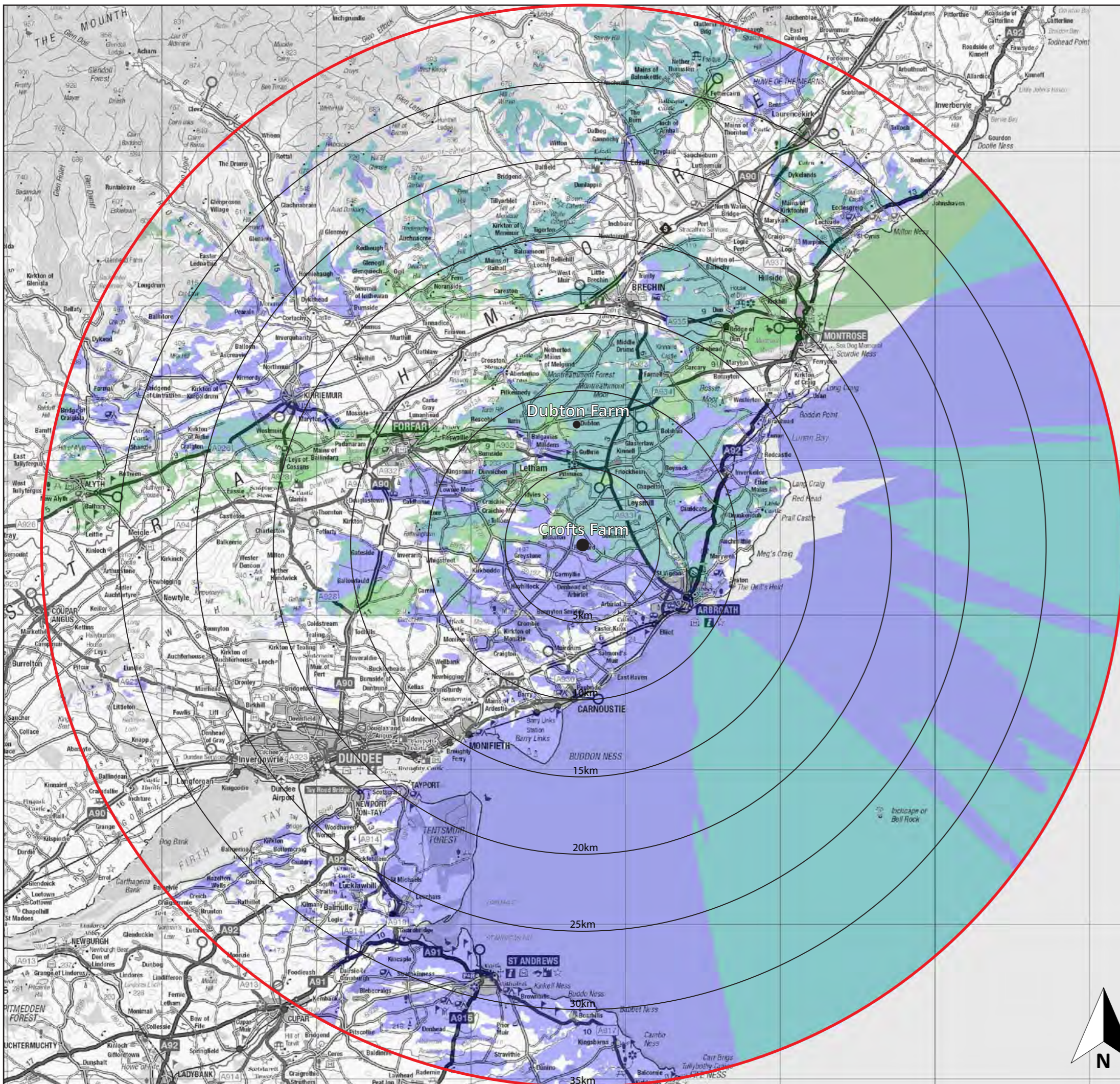
©Green Cat Renewables Ltd



Project Name: Crofts Farm Wind Turbines
Document Title: Cumulative ZTV to Tip Height for 35km Radii - Dubton Farm (Planning)
Scale: 1:250,000 @ A3

- Key:
- Proposed Turbines Location
 - Other Project Location
 - 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
 - Landscape and Visual Study Area (35km)

- Crofts Farm Visible
- Dubton Farm Visible
- Crofts Farm & Dubton Farm Visible



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.
Drawing by: Green Cat Renewables Ltd

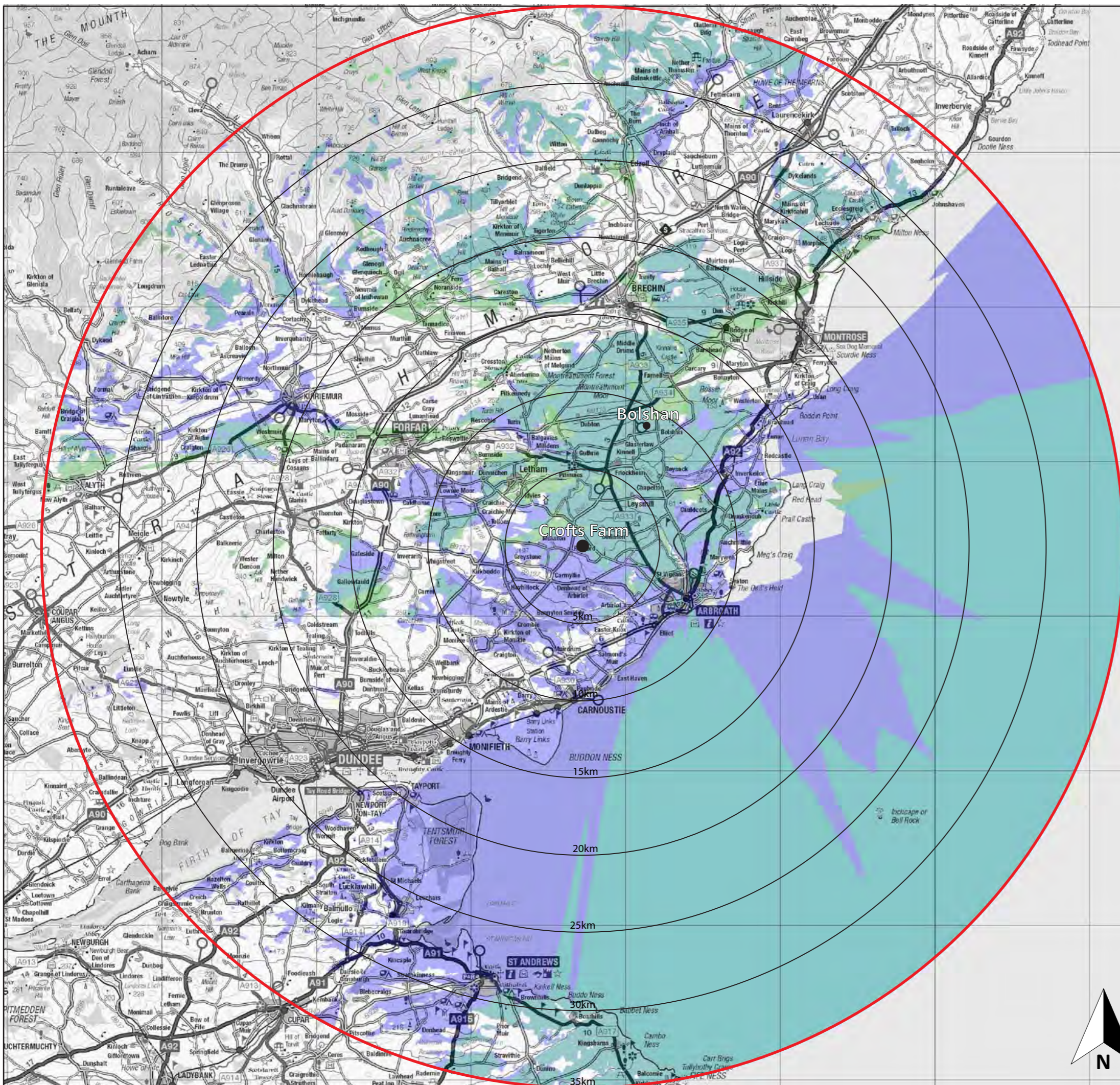
Document Number: CO118-183/Fig 7.11d
Version: 1.0
Author: SS
Checked by: RC
Approved By: GM
Date: 10/01/2014



Project Name: Crofts Farm Wind Turbines
Document Title: Cumulative ZTV to Tip Height for 35km Radii - Bolshan (Planning)
Scale: 1:250,000 @ A3

- Key:
- Proposed Turbines Location
 - Other Project Location
 - 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
 - Landscape and Visual Study Area (35km)

- Crofts Farm Visible
- Bolshan Visible
- Crofts Farm & Bolshan Visible



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.
Drawing by: Green Cat Renewables Ltd

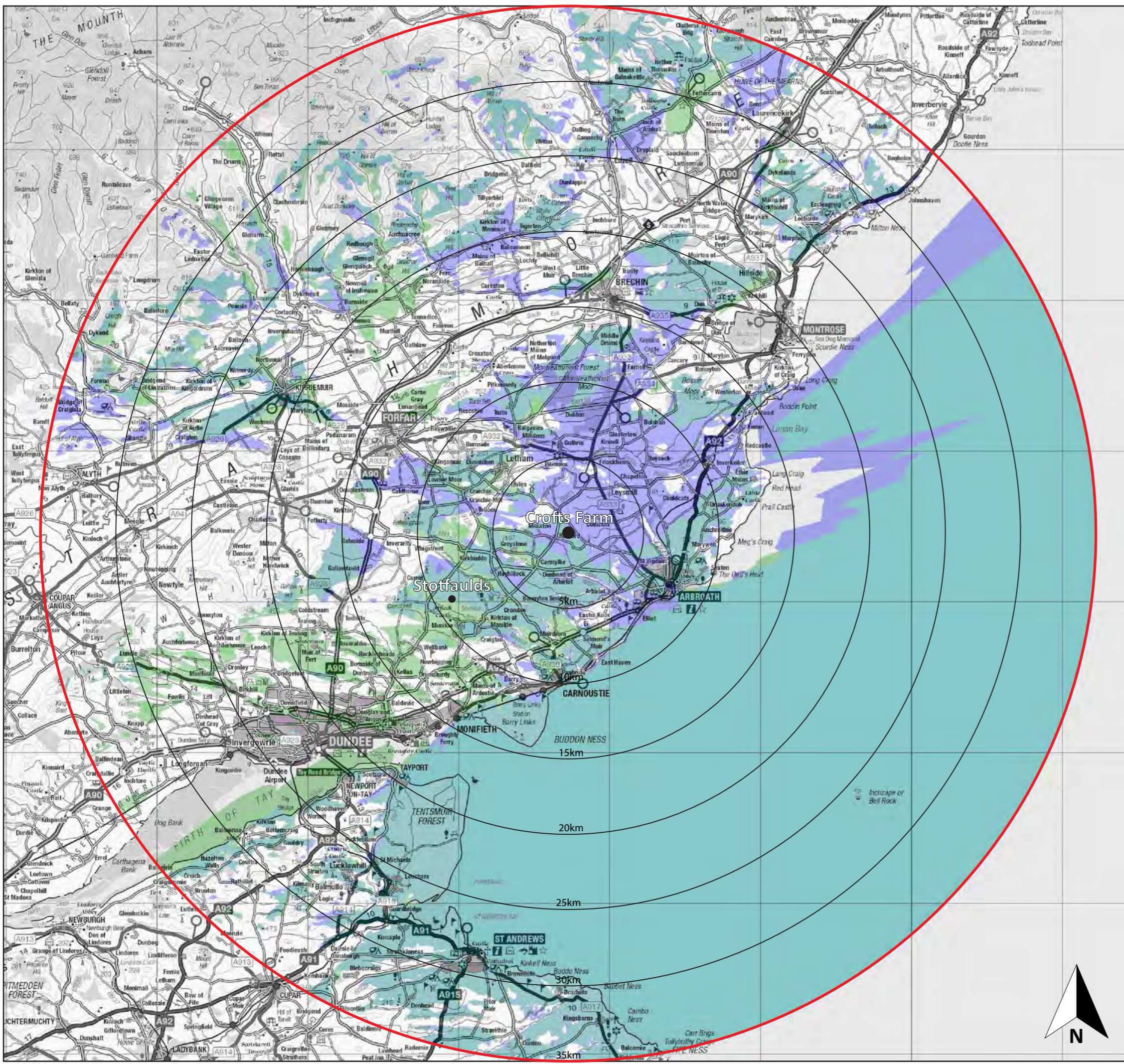
Document Number: CO118-183/Fig 7.11e
Version: 1.0
Author: SS
Checked by: RC
Approved By: GM
Date: 10/01/2014



Project Name: Crofts Farm Wind Turbines
Document Title: Cumulative ZTV to Tip Height for 35km Radii - Stotfaulds (Planning)
Scale: 1:250,000 @ A3

- Key:
- Proposed Turbines Location
 - Other Project Location
 - 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
 - Landscape and Visual Study Area (35km)

- Crofts Farm Visible
- Stotfaulds Visible
- Crofts Farm & Stotfaulds Visible



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.
Drawing by: Green Cat Renewables Ltd

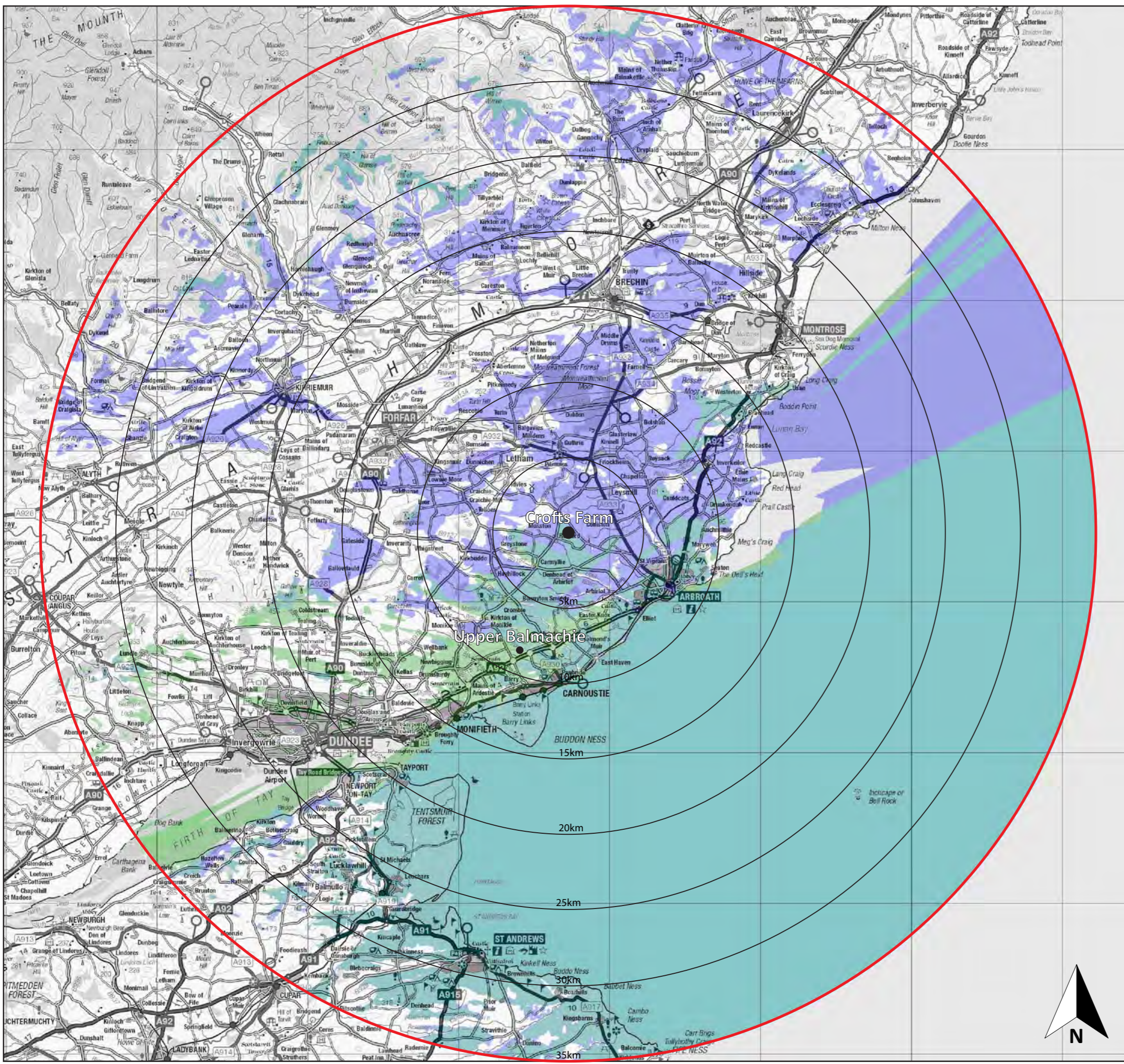
Document Number: CO118-183/Fig 7.11f
 Version: 1.0
 Author: SS
 Checked by: RC
 Approved By: GM
 Date: 10/01/2014



Project Name: Crofts Farm Wind Turbines
Document Title: Cumulative ZTV to Tip Height for 35km Radii - Upper Balmachie (Planning)
Scale: 1:250,000 @ A3

- Key:
- Proposed Turbines Location
 - Other Project Location
 - 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
 - Landscape and Visual Study Area (35km)

- Crofts Farm Visible
- Upper Balmachie Visible
- Crofts Farm & Upper Balmachie Visible



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.
Drawing by: Green Cat Renewables Ltd

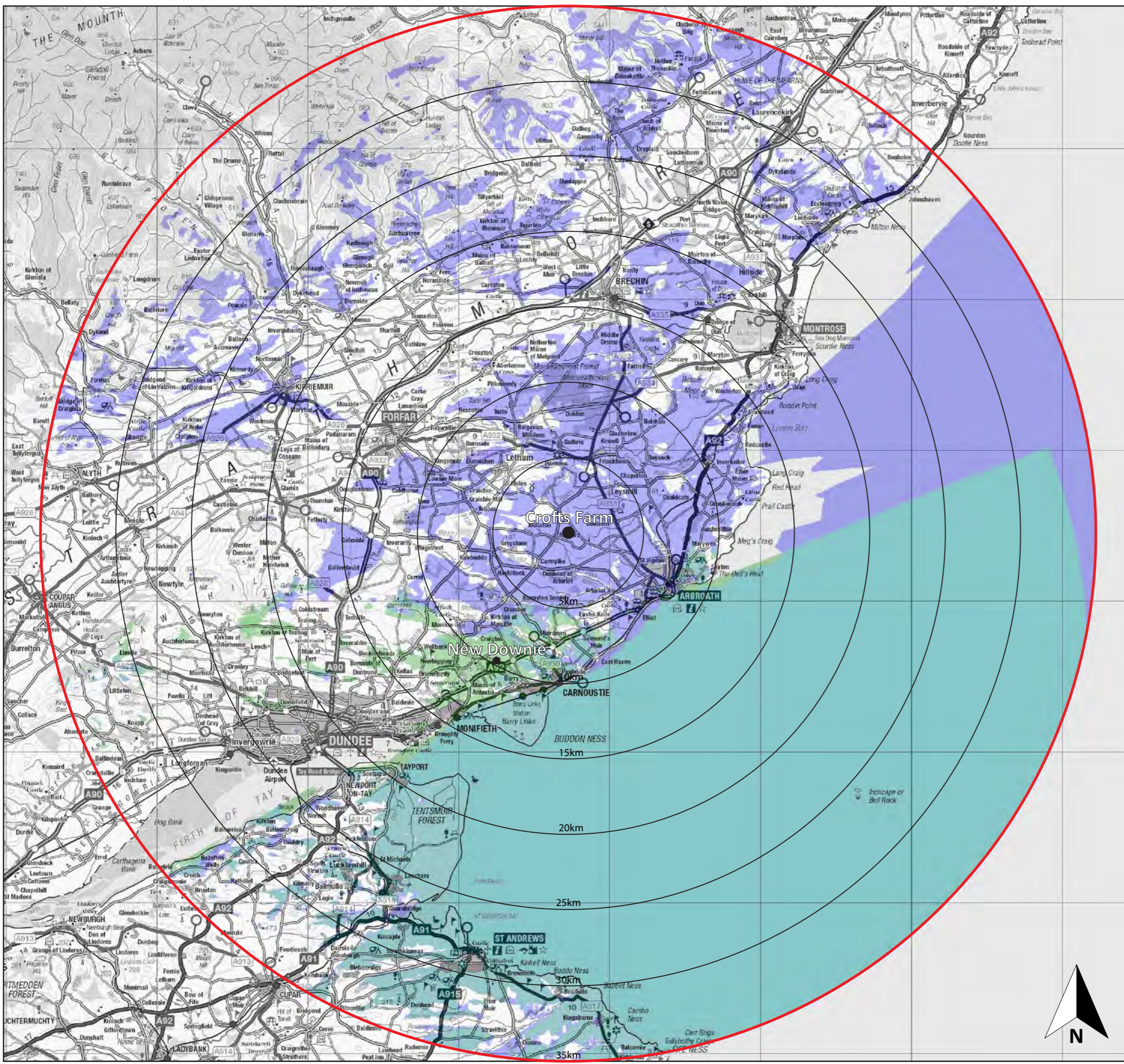
Document Number: CO118-183/Fig 7.11g
Version: 1.0
Author: SS
Checked by: RC
Approved By: GM
Date: 10/01/2014



Project Name: Crofts Farm Wind Turbines
Document Title: Cumulative ZTV to Tip Height for 35km Radii - New Downie (Planning)
Scale: 1:250,000 @ A3

- Key:
- Proposed Turbines Location
 - Other Project Location
 - 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
 - Landscape and Visual Study Area (35km)

- Crofts Farm Visible
- New Downie Visible
- Crofts Farm & New Downie Visible



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.
Drawing by: Green Cat Renewables Ltd

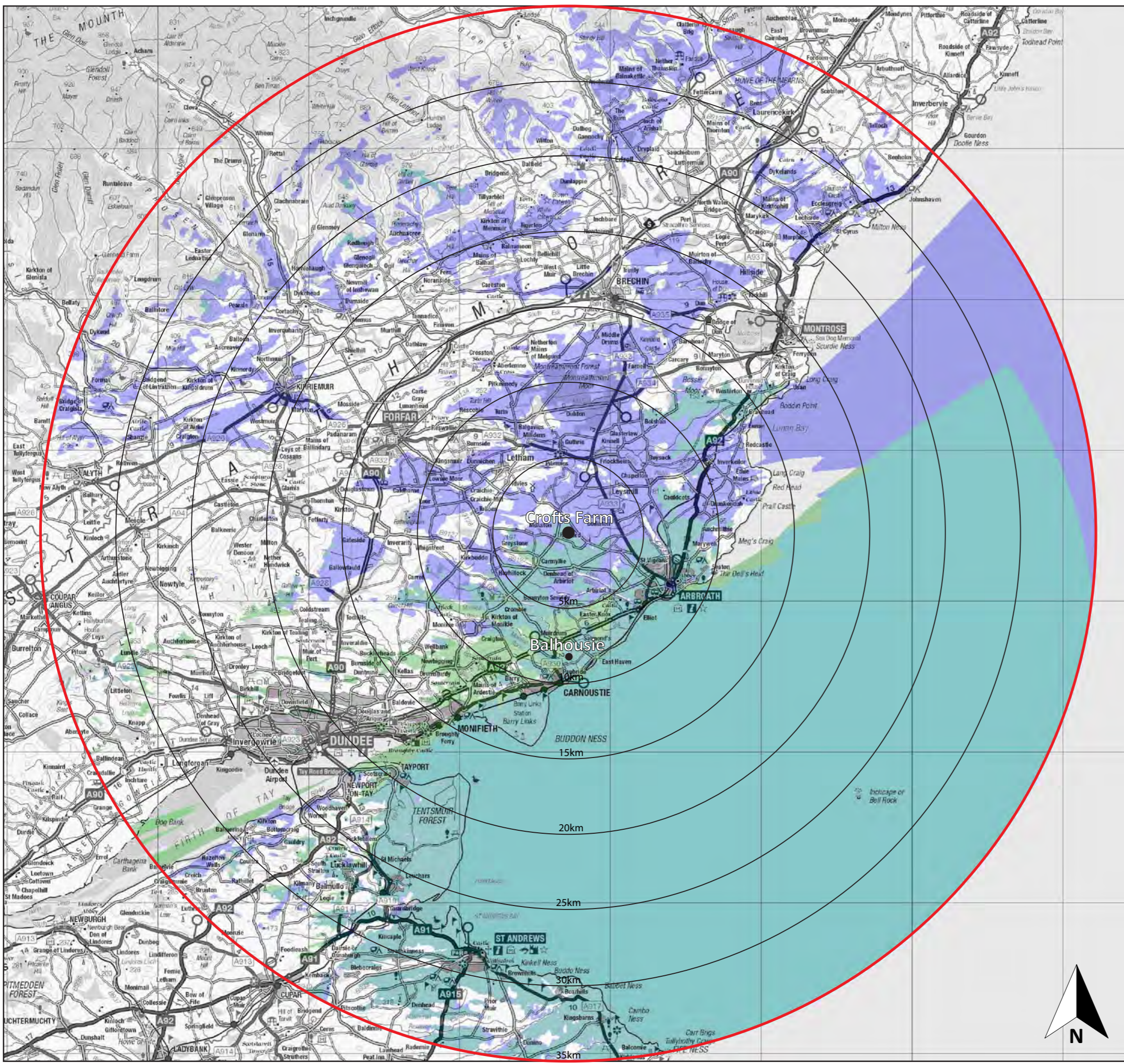
Document Number: CO118-183/Fig 7.11h
Version: 1.0
Author: SS
Checked by: RC
Approved By: GM
Date: 10/01/2014



Project Name: Crofts Farm Wind Turbines
Document Title: Cumulative ZTV to Tip Height for 35km Radii - Balhousie (Planning)
Scale: 1:250,000 @ A3

- Key:
- Proposed Turbines Location
 - Other Project Location
 - 5, 10, 15, 20, 25 & 30km Radii from Wind Turbines Centre
 - Landscape and Visual Study Area (35km)

- Crofts Farm Visible
- Balhousie Visible
- Crofts Farm & Balhousie Visible



Reproduced from Ordnance Survey digital map data © Crown copyright 2014. All rights reserved. License number 010003167

Client: Crofts Farm Renewables Ltd.
Drawing by: Green Cat Renewables Ltd

Document Number: CO118-183/Fig 7.11i
 Version: 1.0
 Author: SS
 Checked by: RC
 Approved By: GM
 Date: 10/01/2014

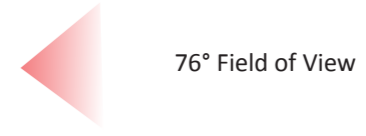


Project Name: Crofts Farm Wind Turbines

Document Title: VP01 - The Guynd

Scale: 1:50,000 @ A3

Key:
● Proposed Turbine Locations



76° Field of View

Viewpoint Information

Viewpoint Location: E356680 N742221

Viewpoint Elevation: 119m (A.O.D)

View Direction: 24°

Distance to Turbine: 2.3km

Visibility: 2 Hubs

Camera Type: Nikon D3100

Focal Length: 35mm

Effective Focal Length: 54.6mm

Date Taken: 30/01/2013

Time Taken: 15:48

Height above elevation: 1.5m

Visual Impact

Sensitivity: High

Magnitude: Low

Overall: Moderate

Please note for a 76° field of view, a viewing distance of 300mm is recommended.

Client: Crofts Farm Renewables Ltd.

Drawing by: Green Cat Renewables Ltd

Document Number: CO118-183/Fig 7.12

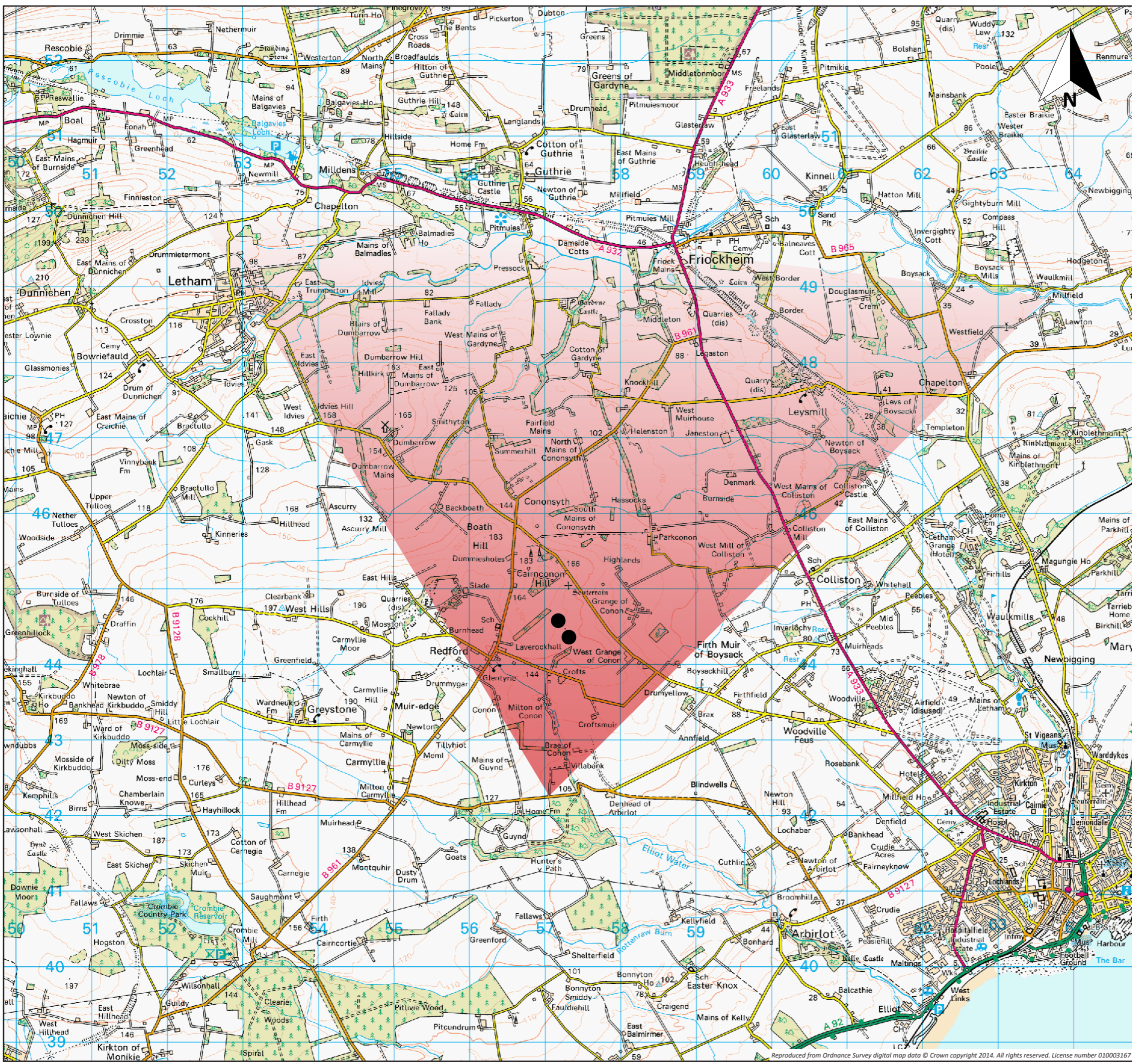
Version: 1.0

Author: SS

Checked by: RC

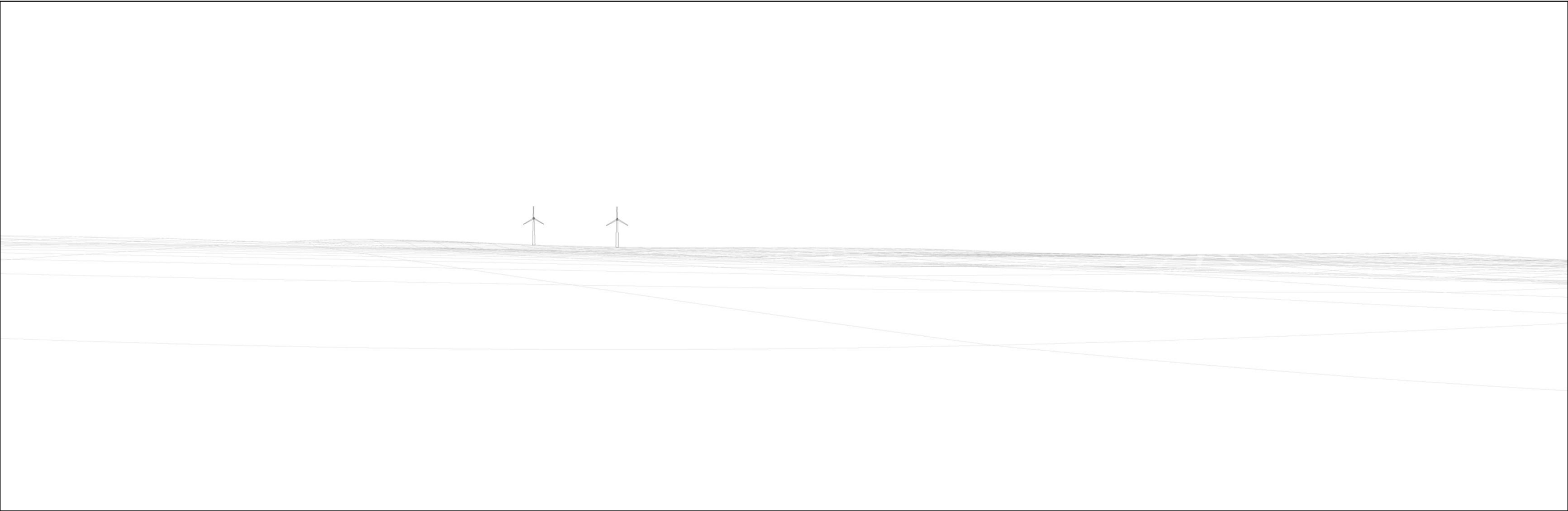
Approved By: GM

Date: 10/01/2014





VP01 THE GUYND - WIRELINE DRAWING



VP01 THE GUYND - PHOTOMONTAGE OF PROPOSAL

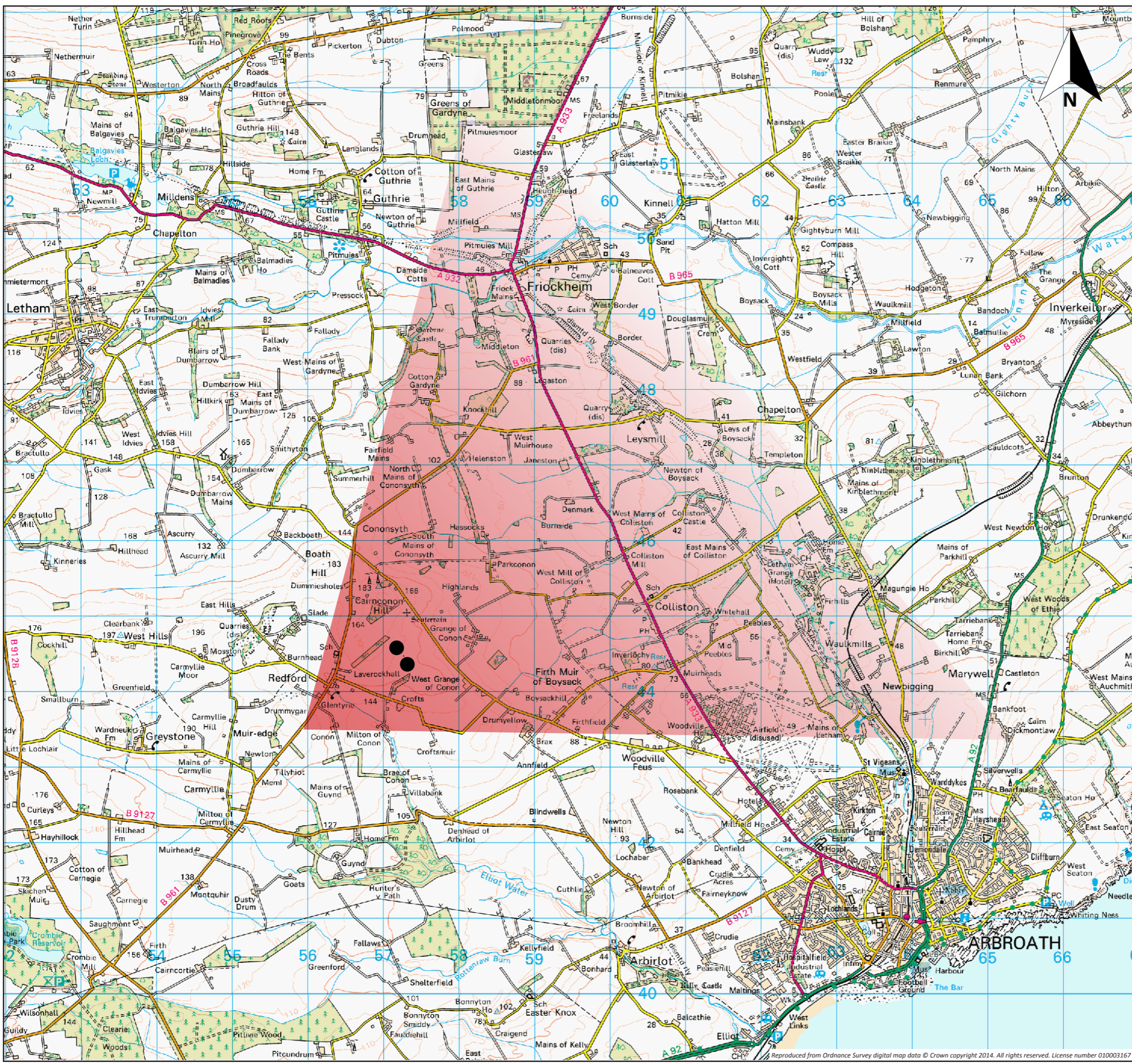
76° VIEWING ANGLE
300MM VIEWING DISTANCE



VP01 THE GUYND – 70MM PHOTOMONTAGE OF PROPOSAL



26° VIEWING ANGLE 500MM VIEWING DISTANCE



Project Name: **Crofts Farm Wind Turbines**
 Document Title: **VP02 - B961 near Newton**

Scale: **1:50,000 @ A3**

Key:

- Proposed Turbine Locations
- ◀ 76° Field of View

Viewpoint Information

Viewpoint Location: **E355915 N743506**
 Viewpoint Elevation: **170m (A.O.D)**
 View Direction: **76°**
 Distance to Turbine: **1.6km**

Visibility: **3 Projects**

Camera Type: **Nikon D3000**
 Focal Length: **35mm**
 Effective Focal Length: **53.4mm**
 Date Taken: **05/08/2011**
 Time Taken: **13:17**
 Height above elevation: **1.5m**

Visual Impact

Sensitivity: **High**
 Magnitude: **Low**
 Overall: **Moderate**

Please note for a 76° field of view, a viewing distance of 300mm is recommended.

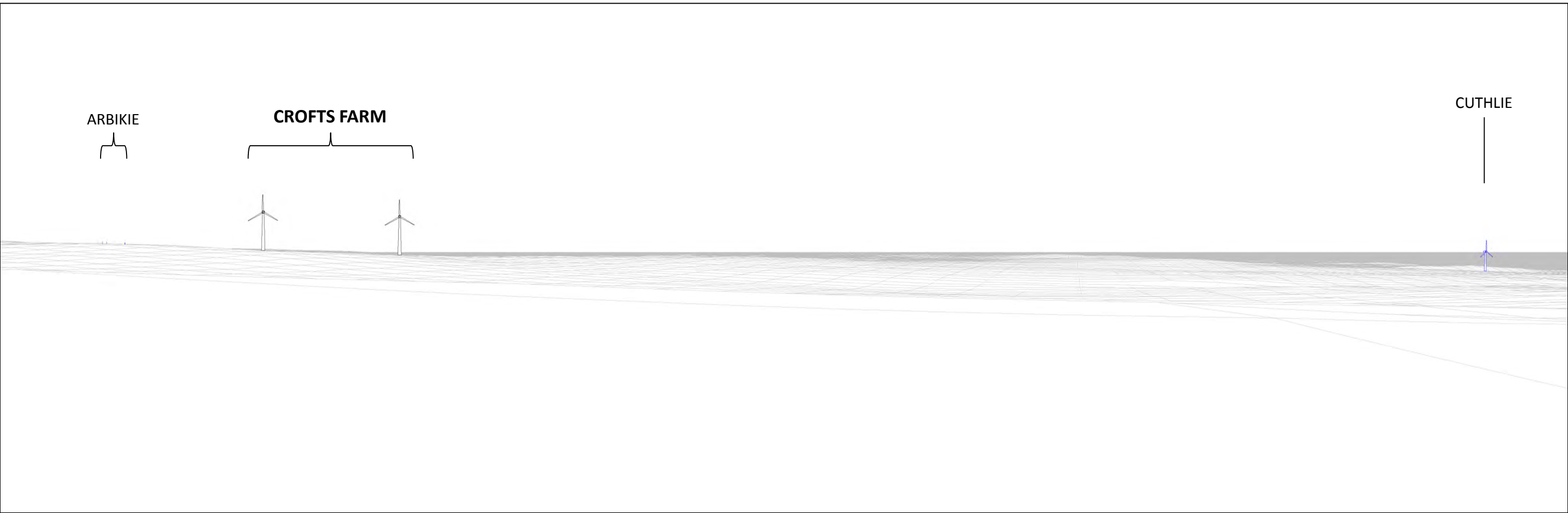
Client: **Crofts Farm Renewables Ltd.**
 Drawing by: **Green Cat Renewables Ltd**

Document Number: **CO118-183/Fig 7.13**
 Version: **1.0**
 Author: **SS**
 Checked by: **RC**
 Approved By: **GM**
 Date: **10/01/2014**





VP02 B961 NEAR NEWTON - WIRELINE DRAWING



VP02 B961 NEAR NEWTON - PHOTOMONTAGE OF PROPOSAL

76° VIEWING ANGLE
300MM VIEWING DISTANCE



VP02 B961 NEAR NEWTON – 70MM PHOTOMONTAGE OF PROPOSAL



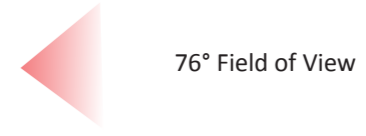
26° VIEWING ANGLE 500MM VIEWING DISTANCE

Project Name: Crofts Farm Wind Turbines

Document Title: VP03 - A933 near Colliston

Scale: 1:50,000 @ A3

Key: ● Proposed Turbine Locations



76° Field of View

Viewpoint Information

Viewpoint Location: E360213 N745713

Viewpoint Elevation: 63m (A.O.D)

View Direction: 243°

Distance to Turbine: 3.2km

Visibility: 2 Projects

Camera Type: Nikon D3100

Focal Length: 35mm

Effective Focal Length: 54.6mm

Date Taken: 04/04/2013

Time Taken: 10:44

Height above elevation: 1.5m

Visual Impact

Sensitivity: Medium

Magnitude: Low

Overall: Moderate/Minor

Please note for a 76° field of view, a viewing distance of 300mm is recommended.

Client: Crofts Farm Renewables Ltd.

Drawing by: Green Cat Renewables Ltd

Document Number: CO118-183/Fig 7.14

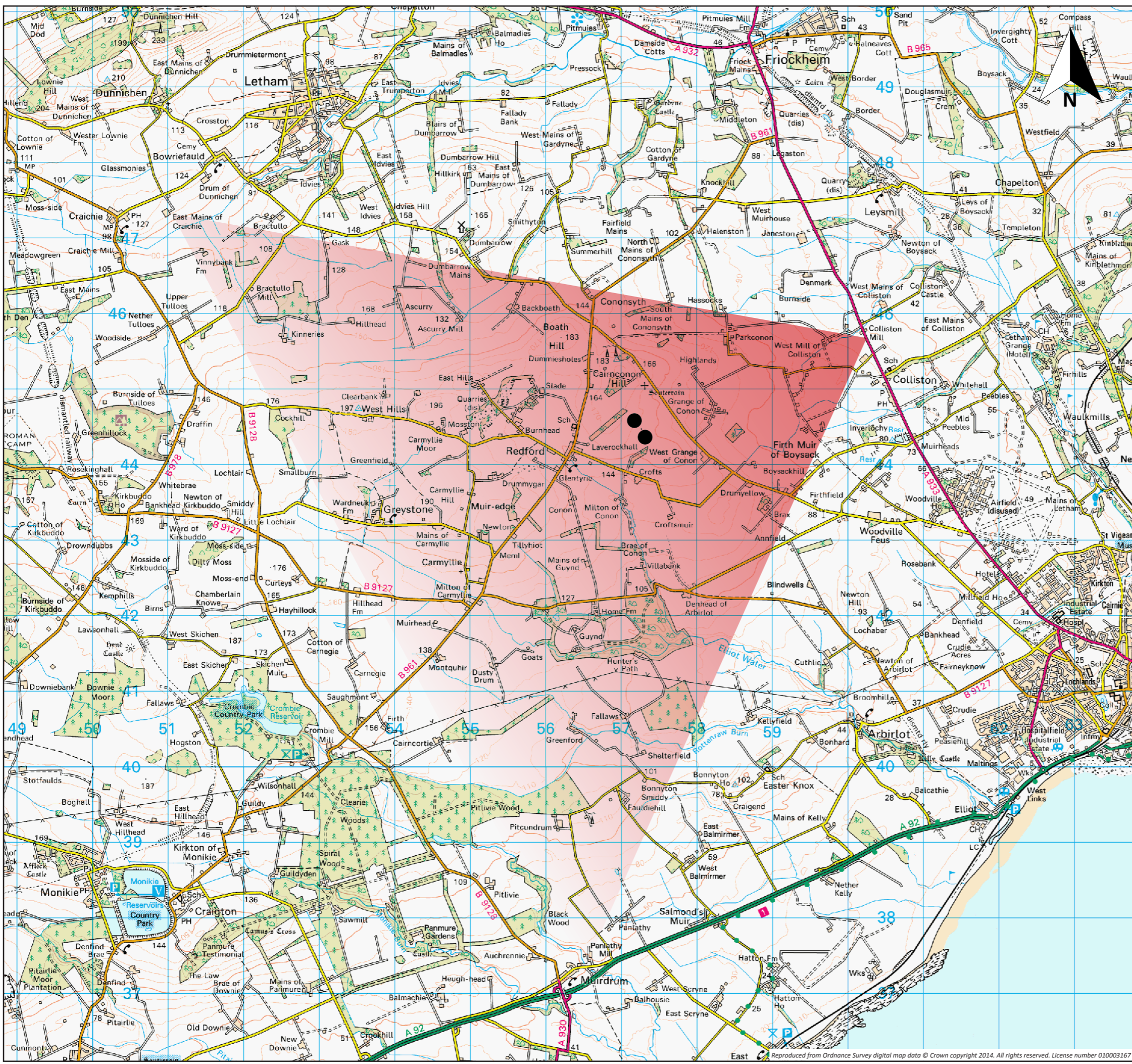
Version: 1.0

Author: SS

Checked by: RC

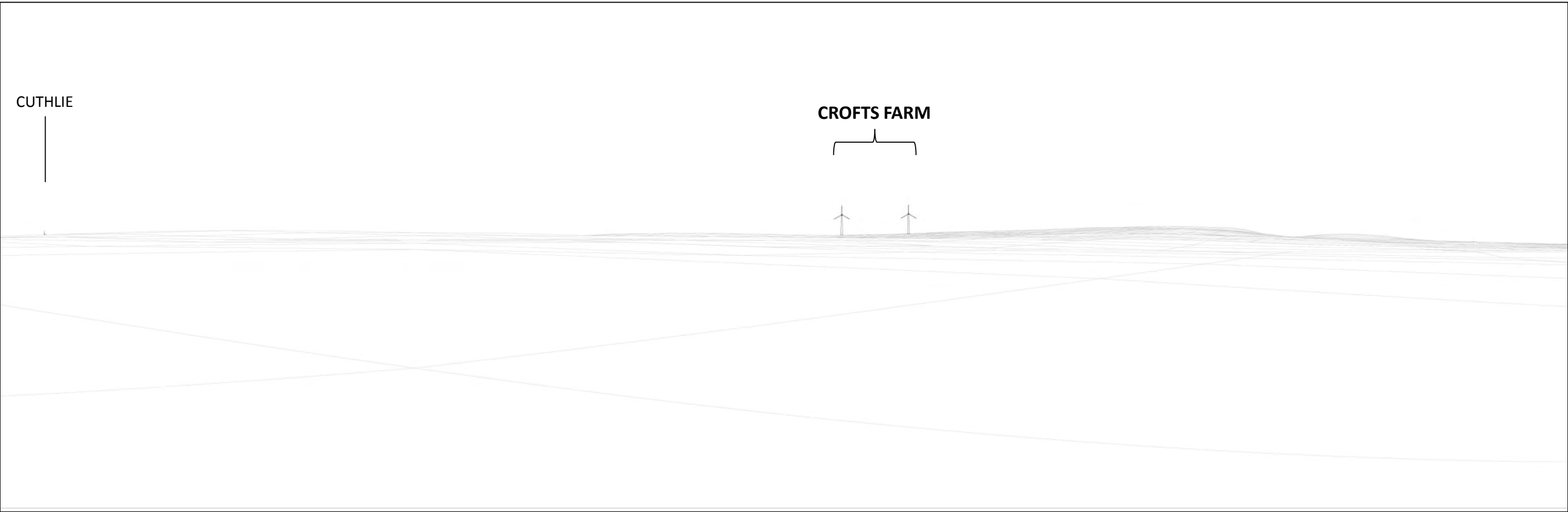
Approved By: GM

Date: 10/01/2014





VP03 A933 NEAR COLLISTON - WIRELINE DRAWING



VP03 A933 NEAR COLLISTON - PHOTOMONTAGE OF PROPOSAL

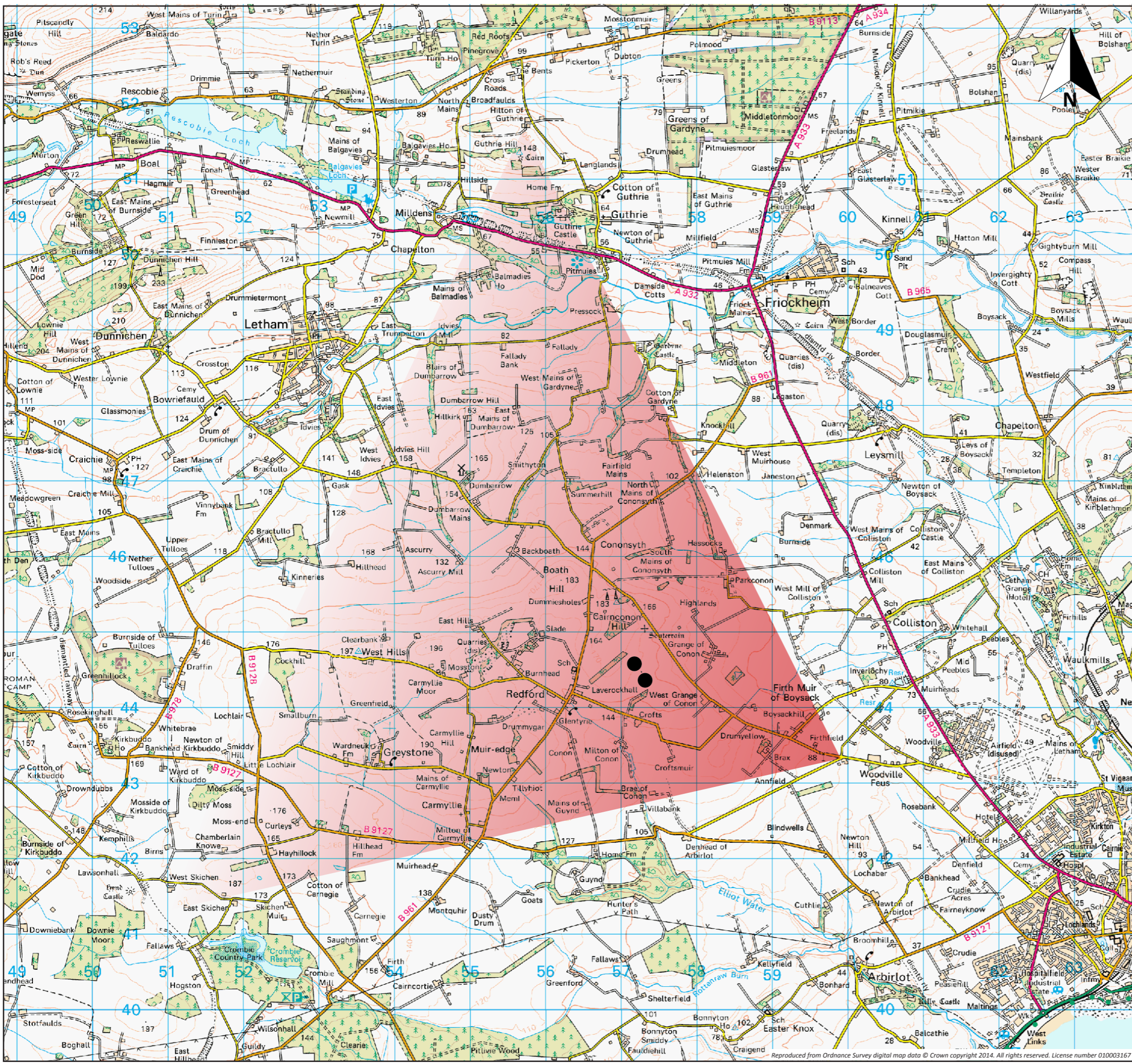
76° VIEWING ANGLE
300MM VIEWING DISTANCE



VP03 A933 NEAR COLLISTON – 70MM PHOTOMONTAGE OF PROPOSAL



26° VIEWING ANGLE 500MM VIEWING DISTANCE



Project Name: Crofts Farm Wind Turbines
 Document Title: VP04 - Minor Road near Woodville

Scale: 1:50,000 @ A3

Key:

- Proposed Turbine Locations
- ◀ 76° Field of View

Viewpoint Information

Viewpoint Location: E359897 N743342
 Viewpoint Elevation: 82m (A.O.D)
 View Direction: 270°
 Distance to Turbine: 2.3km

Visibility: 2 Hubs

Camera Type: Nikon D3100
 Focal Length: 35mm
 Effective Focal Length: 54.6mm
 Date Taken: 19/07/2013
 Time Taken: 15:54
 Height above elevation: 1.5m

Visual Impact

Sensitivity: High
 Magnitude: Low
 Overall: Moderate

Please note for a 76° field of view, a viewing distance of 300mm is recommended.

Client: Crofts Farm Renewables Ltd.
 Drawing by: Green Cat Renewables Ltd

Document Number: C0118-183/Fig 7.15
 Version: 1.0
 Author: SS
 Checked by: RC
 Approved By: GM
 Date: 10/01/2014





VP04 MINOR ROAD NEAR WOODVILLE - WIRELINE DRAWING

