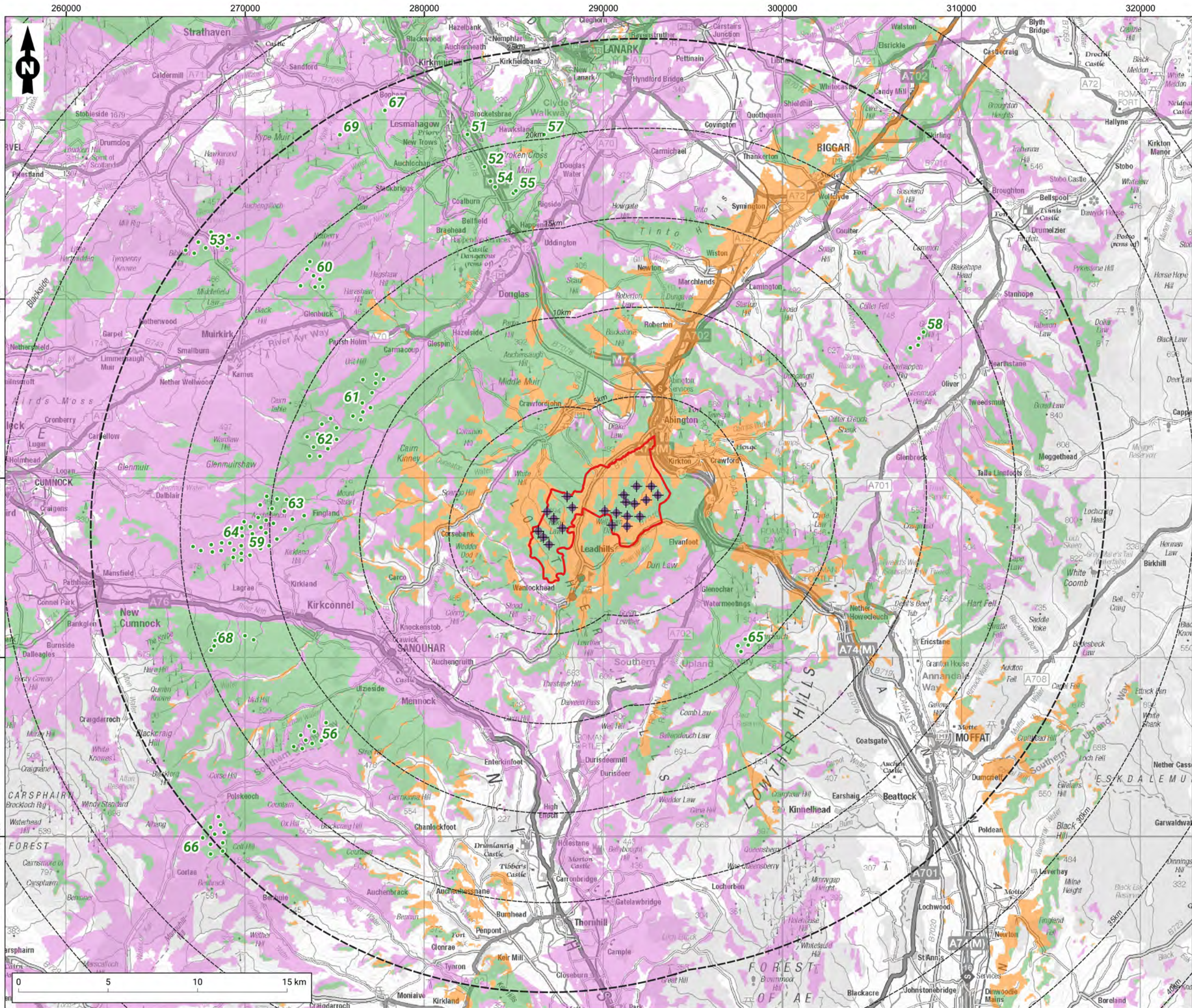




Legend

- Turbine locations
- Distance to turbines (5km intervals)
- Site boundary
- Other Windfarms (see table for more detail)
 - consented
- Zone of Theoretical Visibility
 - consented windfarms and Ravensgill
 - consented windfarms only
 - Ravengill only

Consented windfarms

- 51 Auldton Farm
- 52 Auldtonheights
- 53 Bankend Rig III
- 54 Birkhill Mill
- 55 Broken Cross Surface Mine
- 56 Cloud Hill
- 57 Corra Farm
- 58 Glenkerie Extension
- 59 Glenmuckloch
- 60 Hare Craig
- 61 Kennoxhead WF Extension
- 62 Kennoxhead WF Extension II (Penbreck)
- 63 Lethans Extension
- 64 Lethans WF (2019)
- 65 Lion Hill
- 66 Lorg
- 67 Muirhouse Farm
- 68 Sandy Knowe Extension
- 69 South Priorhill

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

Figure Title

ZTV with Consented Windfarms

Project Name
Ravengill Energy Park

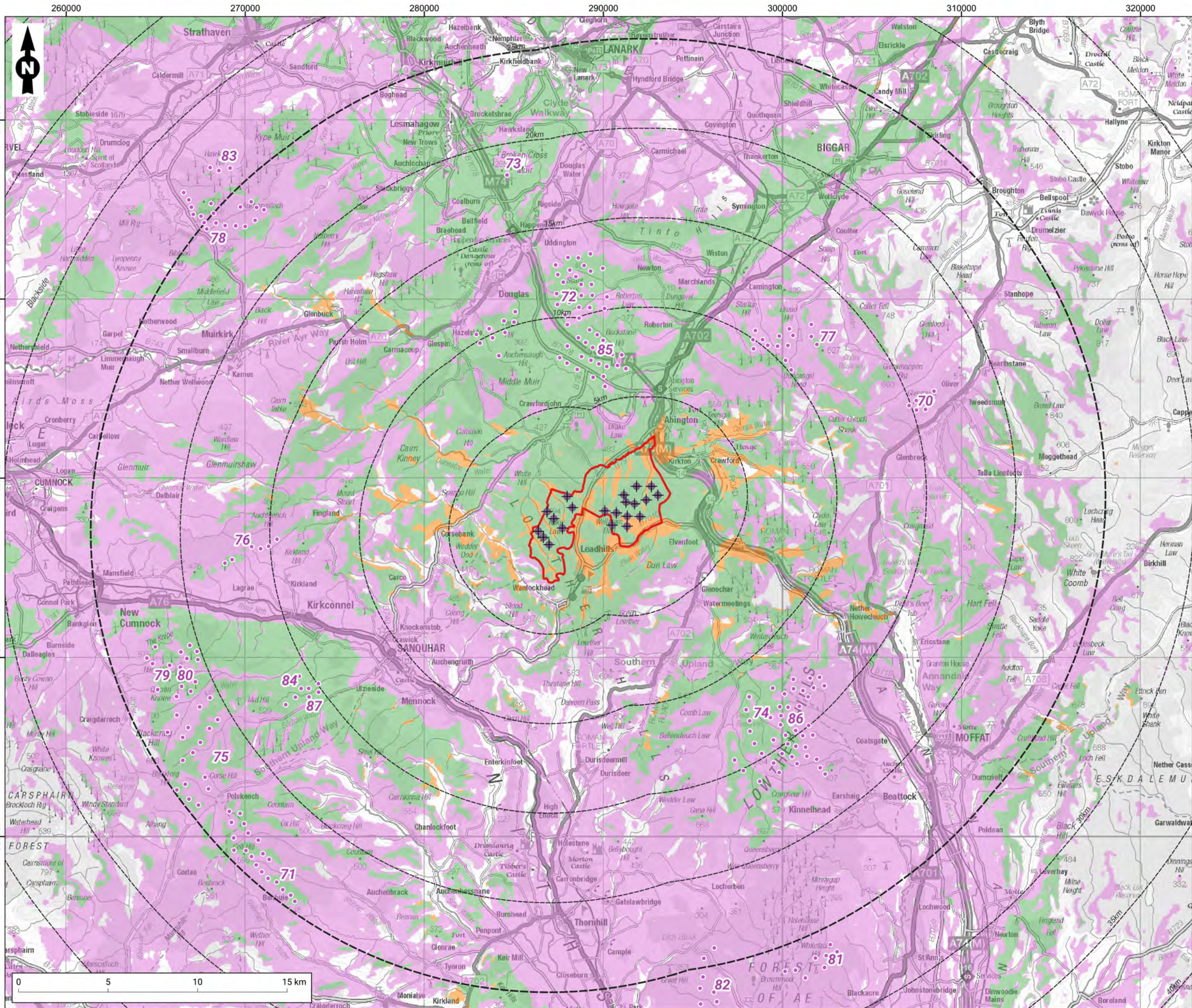
Project Number
24002

Date May 2026	Figure No. 4.13	Revision r2
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Prepared by BP	Scale 1:200,000 @ A3
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Client
Ravengill Energy Park Limited

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Legend

- Turbine locations
- Distance to turbines (5km intervals)
- Site boundary

Other Windfarms
(see table for more detail)

- application

Zone of Theoretical Visibility

- in-planning wind farms and Ravensgill
- in-planning only
- Ravengill only

No. In-planning windfarms

- 70 Oliver Forest
- 71 Appin
- 72 Bodinglee
- 73 Broken Cross Energy Project (T8)
- 74 Daer
- 75 Eucharhead
- 76 Glenmuckloch Hill
- 77 Grayside
- 78 Hagshaw Energy Cluster
Western Expansion_Area A_Phase 1
- 79 Hare Hill Repowering (Phase 1)
- 80 Hare Hill Repowering (Phase 2)
- 81 Harestanes South
- 82 Harestanes West
- 83 Hawkwood Hill
- 84 Herds Hill
- 85 M74 West
- 86 Rivo
- 87 Rowancraig

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

Figure Title

ZTV with in-planning Windfarms

Project Name
Ravengill Energy Park

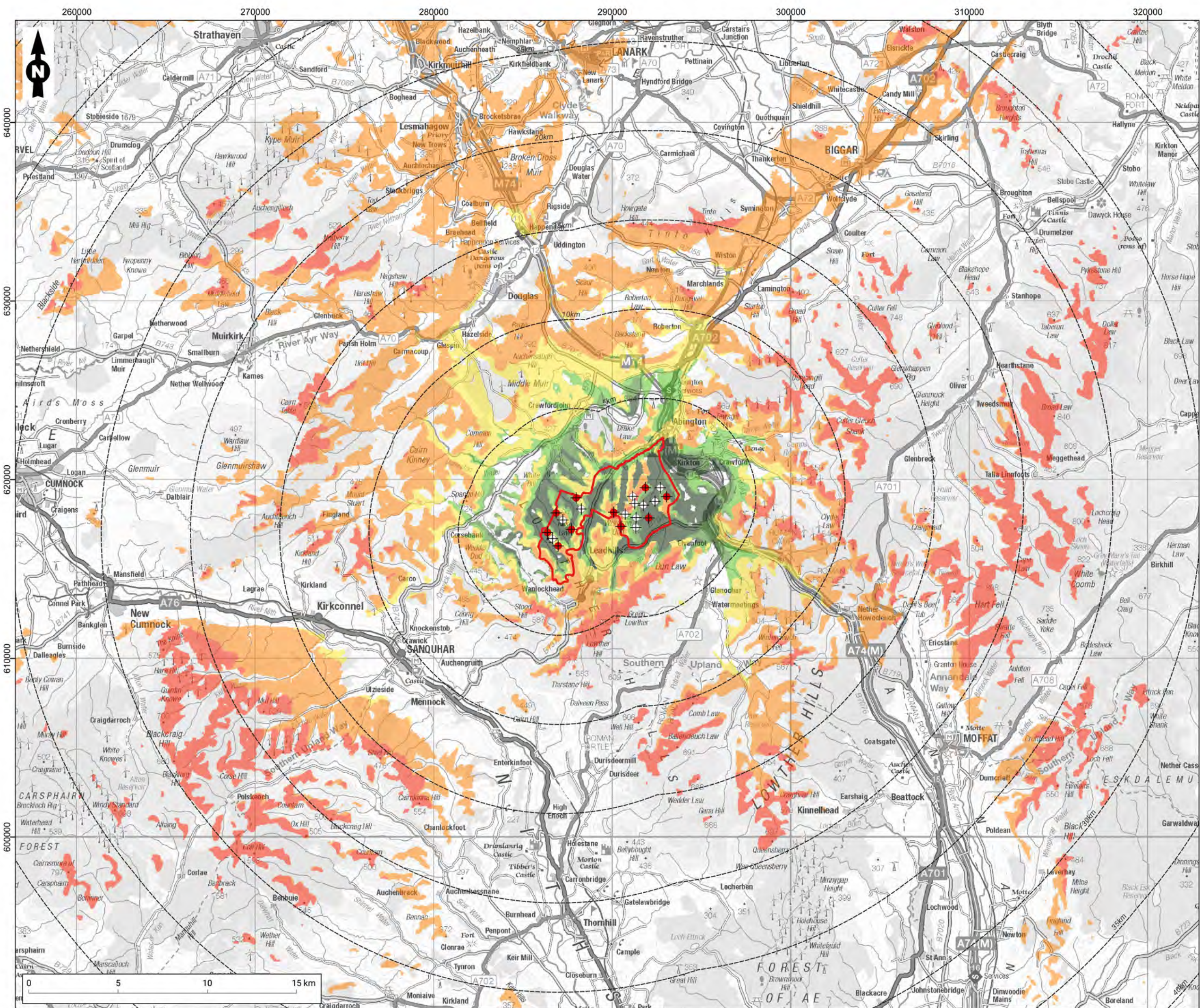
Project Number
24002

Date May 2026	Figure No. 4.14	Revision r1
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Prepared by AS	Scale 1:200,000 @ A3
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Client
Ravengill Energy Park Limited

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Legend

Turbine locations

Lit turbine

 Unlit

 Distance to turbines (5km intervals)

Vertical angles

0 degrees and above

<0 to -1 degrees

<-1 to -2 degrees

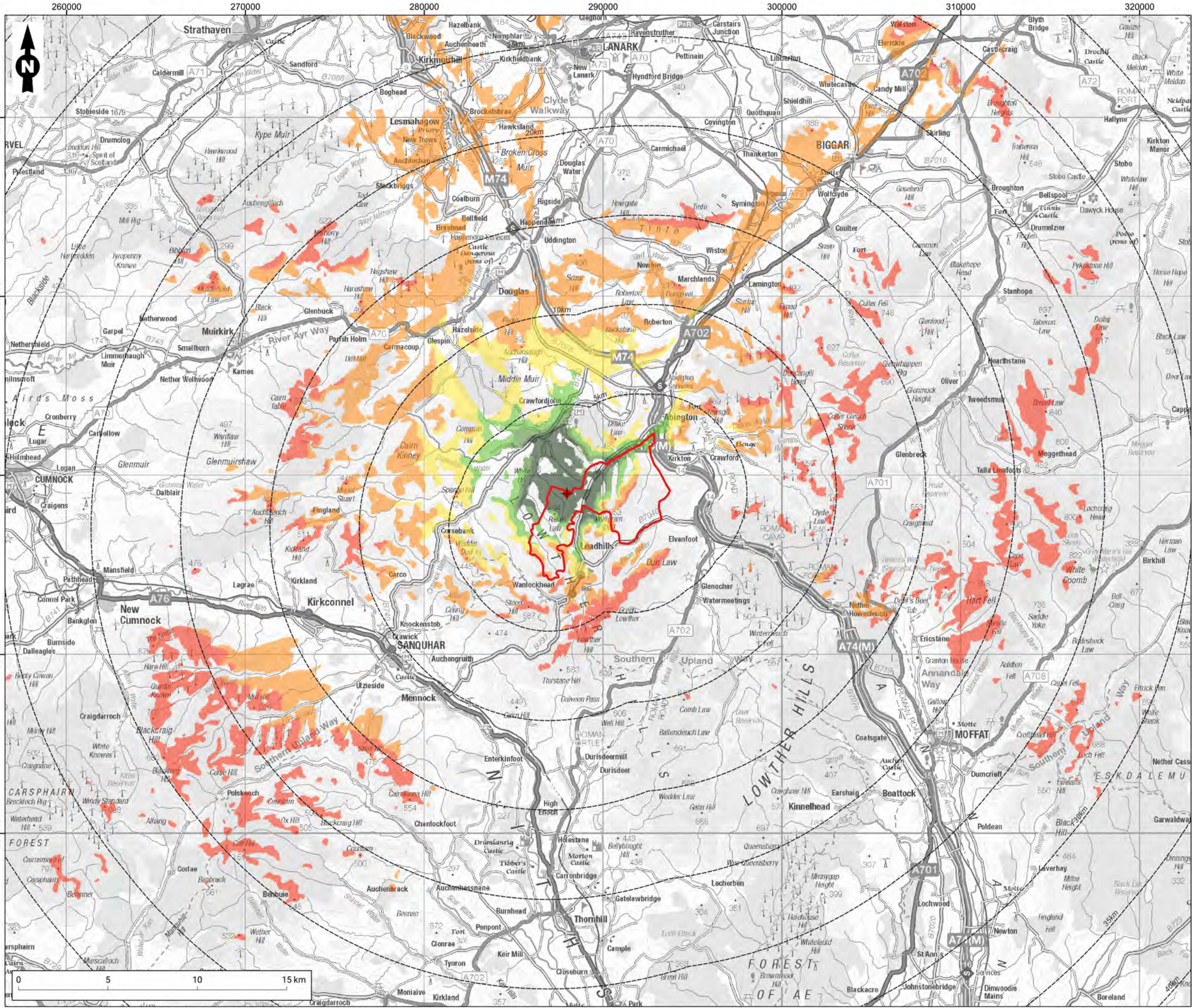
<-2 to -3 degrees

<-3 to -4 degrees

-4 degrees and below

Notes: The ZTV is calculated using the maximum aggregate value of vertical angles derived from T1, 3, 5, 6, 8, 9, 11, 16, 20 and 21 for hub height (135m), and a height of 2m above ground level. The terrain model is bare ground derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure Title		
Aviation Lighting ZTV - All Turbines		
Project Name		
Ravengill Energy Park		
Project Number		
24002		
Date	Figure No.	Revision
May 2026	4.15	r1
Prepared by	Scale	
BP	1:200,000 @ A3	
Client		
Ravengill Energy Park Limited		
MVGLA Landscape Architecture RAMBOLL		



Legend

Turbine location

Lit turbine: 1

Distance to turbines (5km intervals)

Site boundary

Vertical angles

0 degrees and above

<0 to -1 degrees

<-1 to -2 degrees

<-2 to -3 degrees

<-3 to -4 degrees

-4 degrees and below

Notes: The ZTV shows vertical angles calculated for a hub height of 135m, and a height of 2m above ground level. The terrain model is bare ground derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure Title
Aviation Lighting ZTV - Turbine 1

Project Name
Ravengill Energy Park

Project Number
24002

Date	Figure No.	Revision
May 2026	4.16.1	r1

Prepared by	Scale
BP	1:200,000 @ A3

Client
Ravengill Energy Park Limited

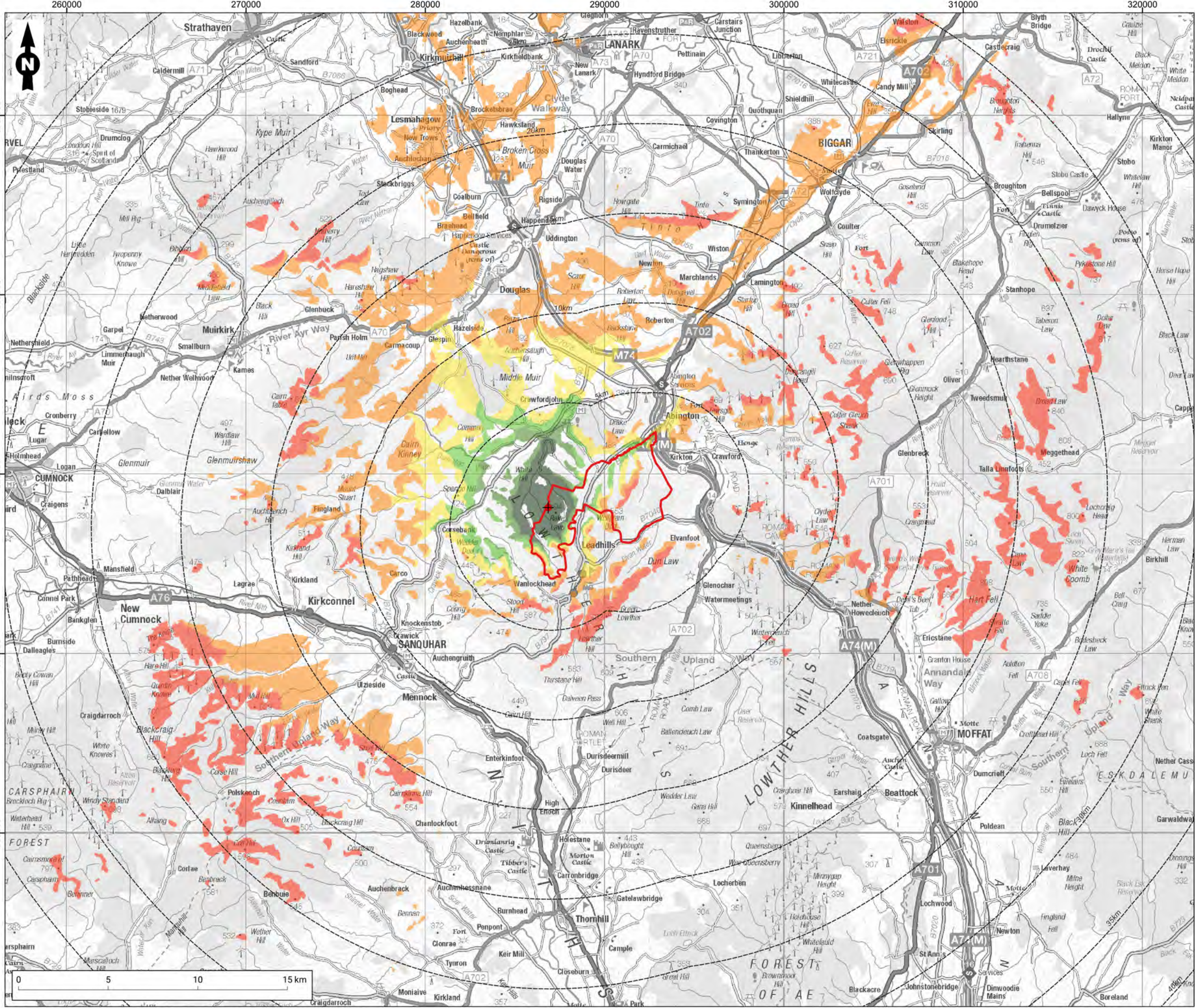


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Ref: 24002-220b-r1



Legend

Turbine location

Lit turbine: 3

Distance to turbines (5km intervals)

Site boundary

Vertical angles

0 degrees and above

<0 to -1 degrees

<-1 to -2 degrees

<-2 to -3 degrees

<-3 to -4 degrees

-4 degrees and below

Notes: The ZTV shows vertical angles calculated for a hub height of 135m, and a height of 2m above ground level. The terrain model is bare ground derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure Title
Aviation Lighting ZTV - Turbine 3

Project Name
Ravengill Energy Park

Project Number
24002

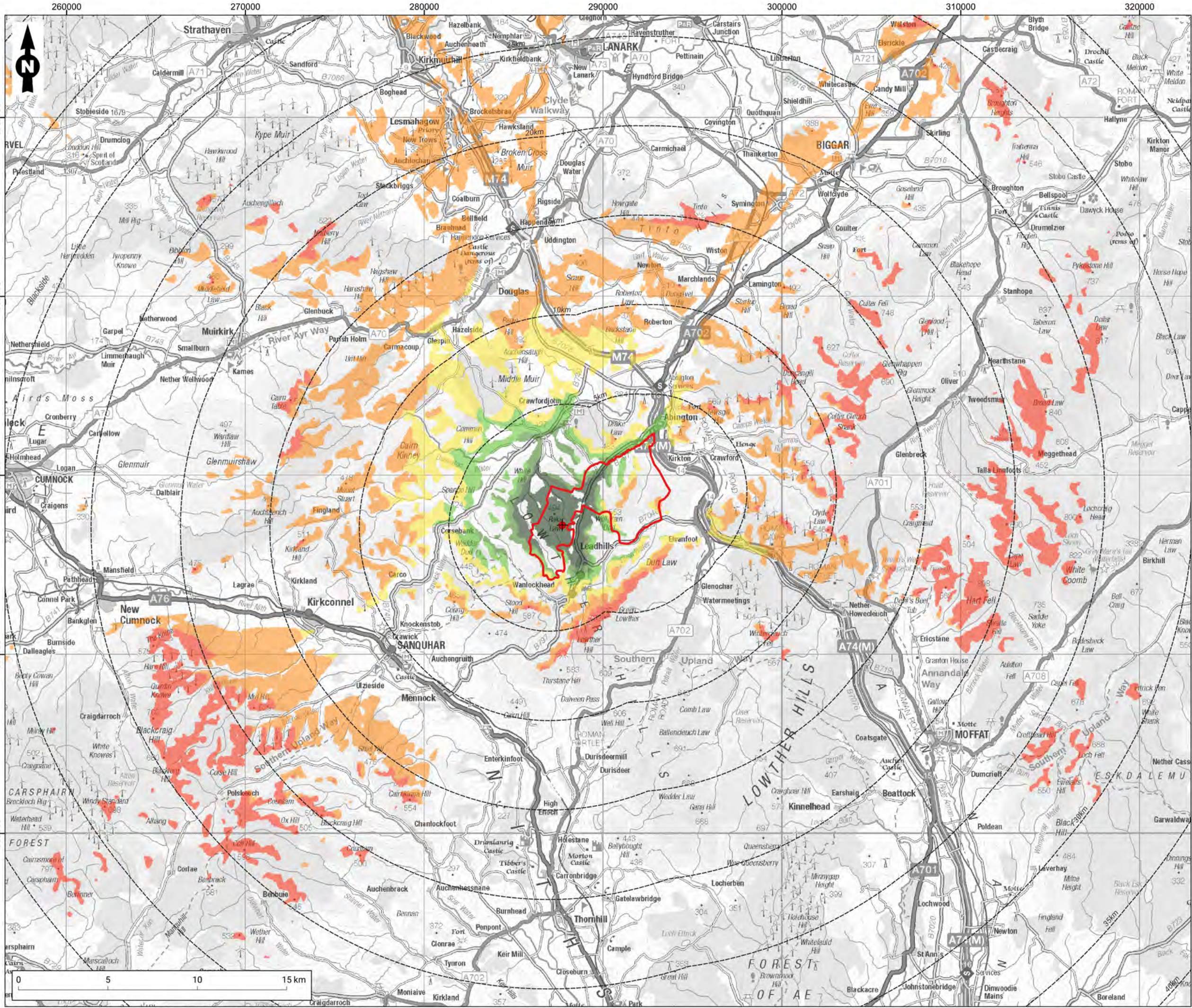
Date	Figure No.	Revision
May 2026	4.16.2	r1

Prepared by	Scale
BP	1:200,000 @ A3

Client
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Ref: 24002-220d-r1



Legend

Turbine location

Lit turbine: 5

Distance to turbines (5km intervals)

Site boundary

Vertical angles

0 degrees and above

<0 to -1 degrees

<-1 to -2 degrees

<-2 to -3 degrees

<-3 to -4 degrees

-4 degrees and below

Notes: The ZTV shows vertical angles calculated for a hub height of 135m, and a height of 2m above ground level. The terrain model is bare ground derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure Title
Aviation Lighting ZTV - Turbine 5

Project Name
Ravengill Energy Park

Project Number
24002

Date	Figure No.	Revision
May 2026	4.16.3	r1

Prepared by	Scale
BP	1:200,000 @ A3

Client
Ravengill Energy Park Limited



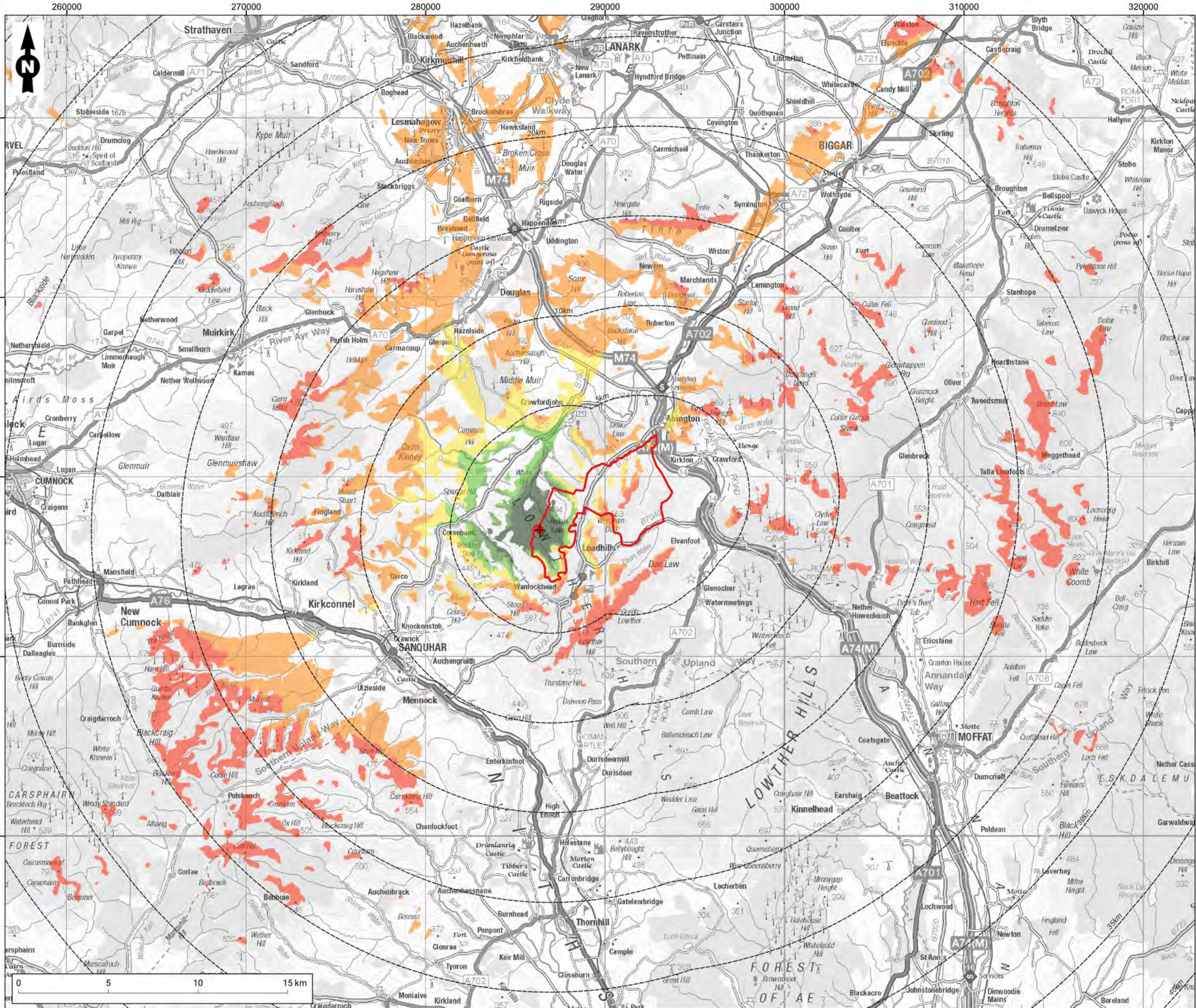
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Ref: 24002-220e-r1



Legend

Lit turbine: 6

Distance to turbines (5km intervals)

Site boundary

Vertical angles

0 degrees and above

<0 to -1 degrees

<-1 to -2 degrees

<-2 to -3 degrees

<-3 to -4 degrees

-4 degrees and below

Notes: The ZTV shows vertical angles calculated for a hub height of 135m, and a height of 2m above ground level. The terrain model is bare ground derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure Title
Aviation Lighting ZTV - Turbine 6

Project Name
Ravengill Energy Park

Project Number
24002

Date	Figure No.	Revision
May 2026	4.16.4	r1

Prepared by	Scale
BP	1:200,000 @ A3

Client
Ravengill Energy Park Limited

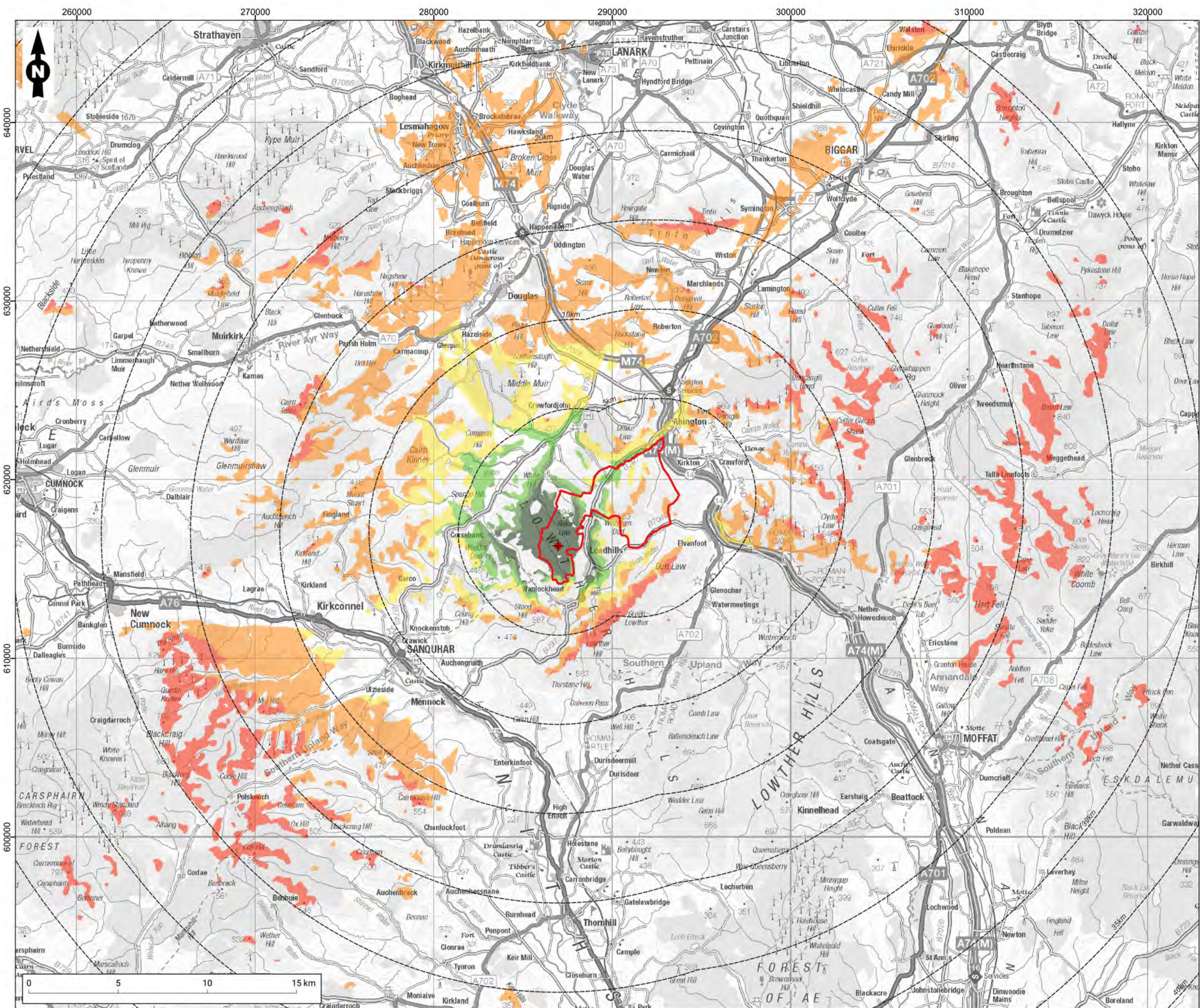


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Ref: 24002-220f-r1



Legend

Lit turbine: 8

Distance to turbines (5km intervals)

Site boundary

Vertical angles

0 degrees and above

<0 to -1 degrees

<-1 to -2 degrees

<-2 to -3 degrees

<-3 to -4 degrees

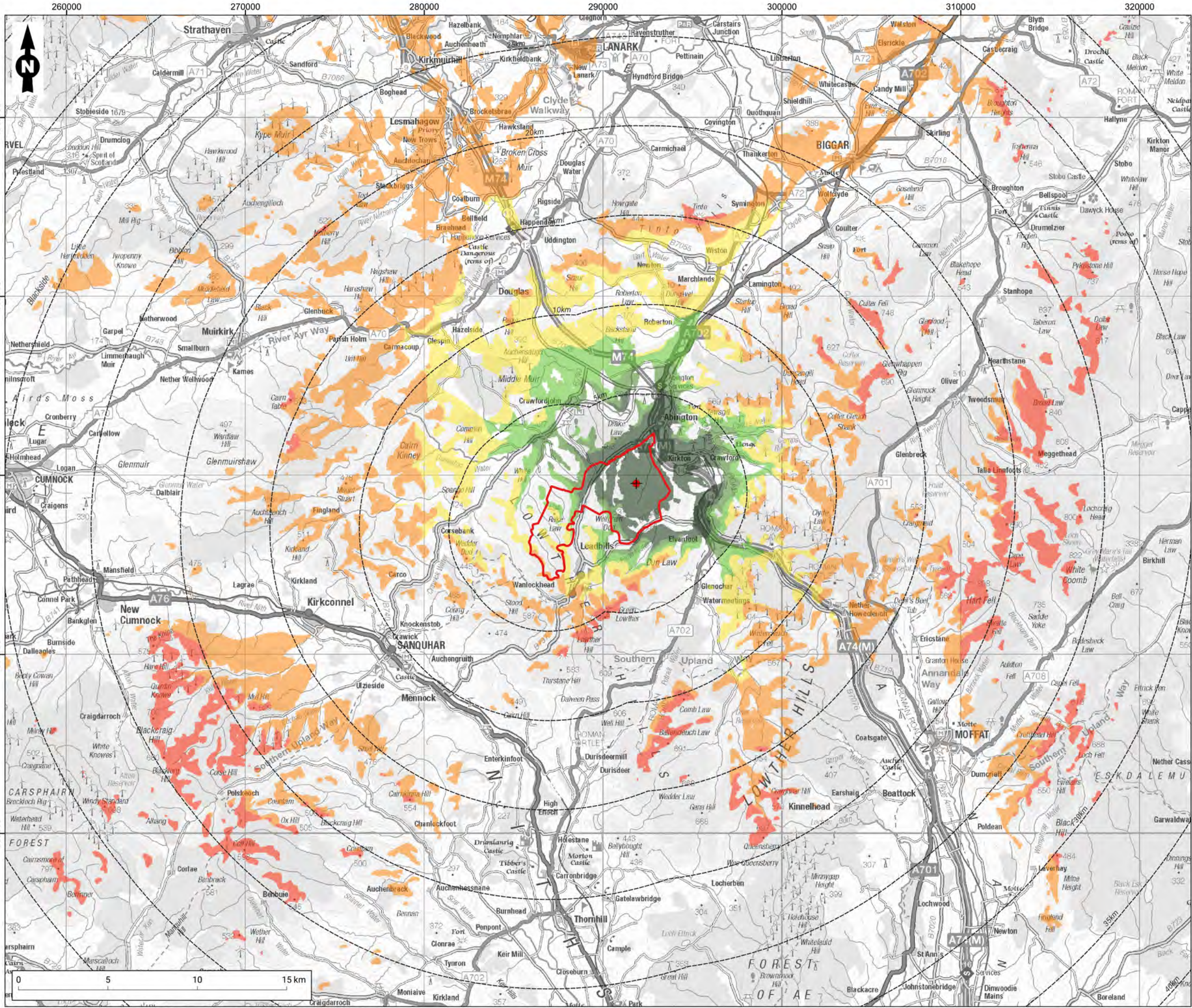
-4 degrees and below

Notes: The ZTV shows vertical angles calculated for a hub height of 135m, and a height of 2m above ground level. The terrain model is bare ground derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure Title				
Aviation Lighting ZTV - Turbine 8				
Project Name				
Ravengill Energy Park				
Project Number				
24002				
Date	Figure No.	Revision		
May 2026	4.16.5	r1		
Prepared by	Scale			
BP	1:200,000 @ A3			
Client				
Ravengill Energy Park Limited				
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Ref: 24002-220g-r1



Legend

Turbine location

Lit turbine: 9

Distance to turbines (5km intervals)

Site boundary

Vertical angles

0 degrees and above

<0 to -1 degrees

<-1 to -2 degrees

<-2 to -3 degrees

<-3 to -4 degrees

-4 degrees and below

Notes: The ZTV shows vertical angles calculated for a hub height of 135m, and a height of 2m above ground level. The terrain model is bare ground derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure Title
Aviation Lighting ZTV - Turbine 9

Project Name
Ravengill Energy Park

Project Number
24002

Date	Figure No.	Revision
May 2026	4.16.6	r1

Prepared by	Scale
BP	1:200,000 @ A3

Client
Ravengill Energy Park Limited



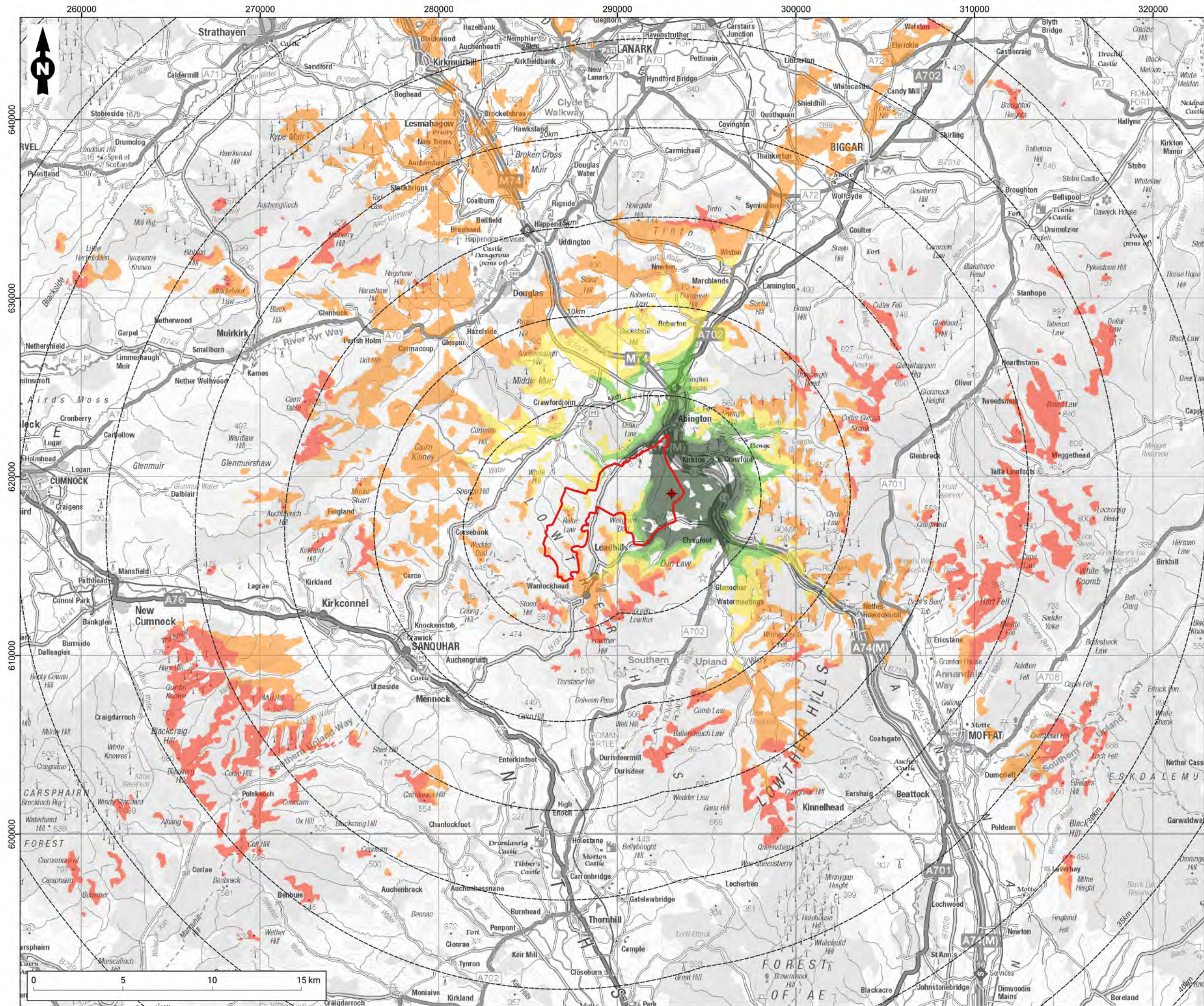
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Ref: 24002-220h-r1



Legend

Turbine location

• Lit turbine: 11

Distance to turbines (5km intervals)

Site boundary

Vertical angles

0 degrees and above

<0 to -1 degrees

<-1 to -2 degrees

<-2 to -3 degrees

<-3 to -4 degrees

-4 degrees and below

Notes: The ZTV shows vertical angles calculated for a hub height of 135m, and a height of 2m above ground level. The terrain model is bare ground derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure Title

Aviation Lighting ZTV -
Turbine 11

Project Name

Ravengill Energy Park

Project Number

24002

Date

May 2026

Figure No.

4.16.7

Revision

r1

Prepared by

BP

Scale

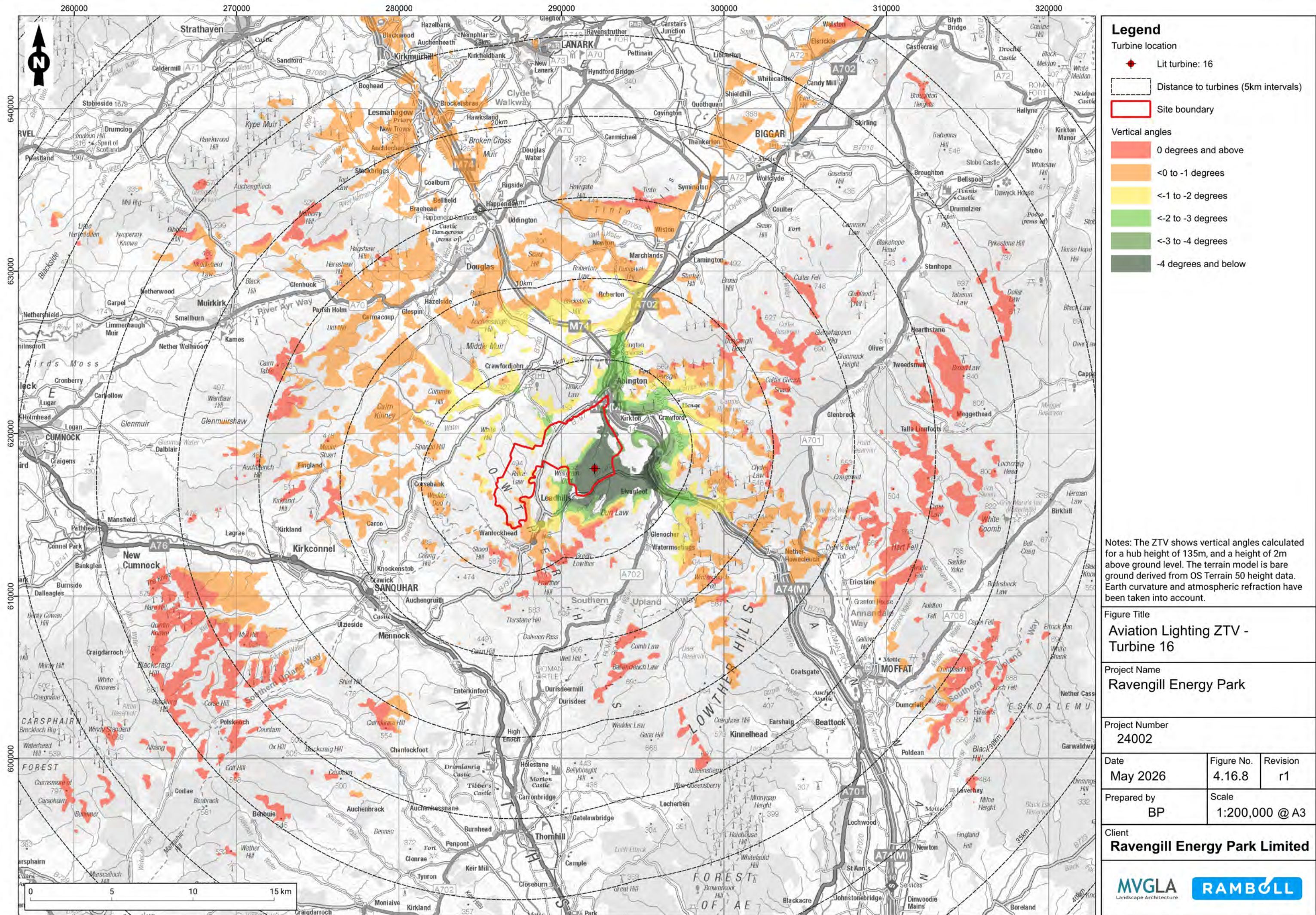
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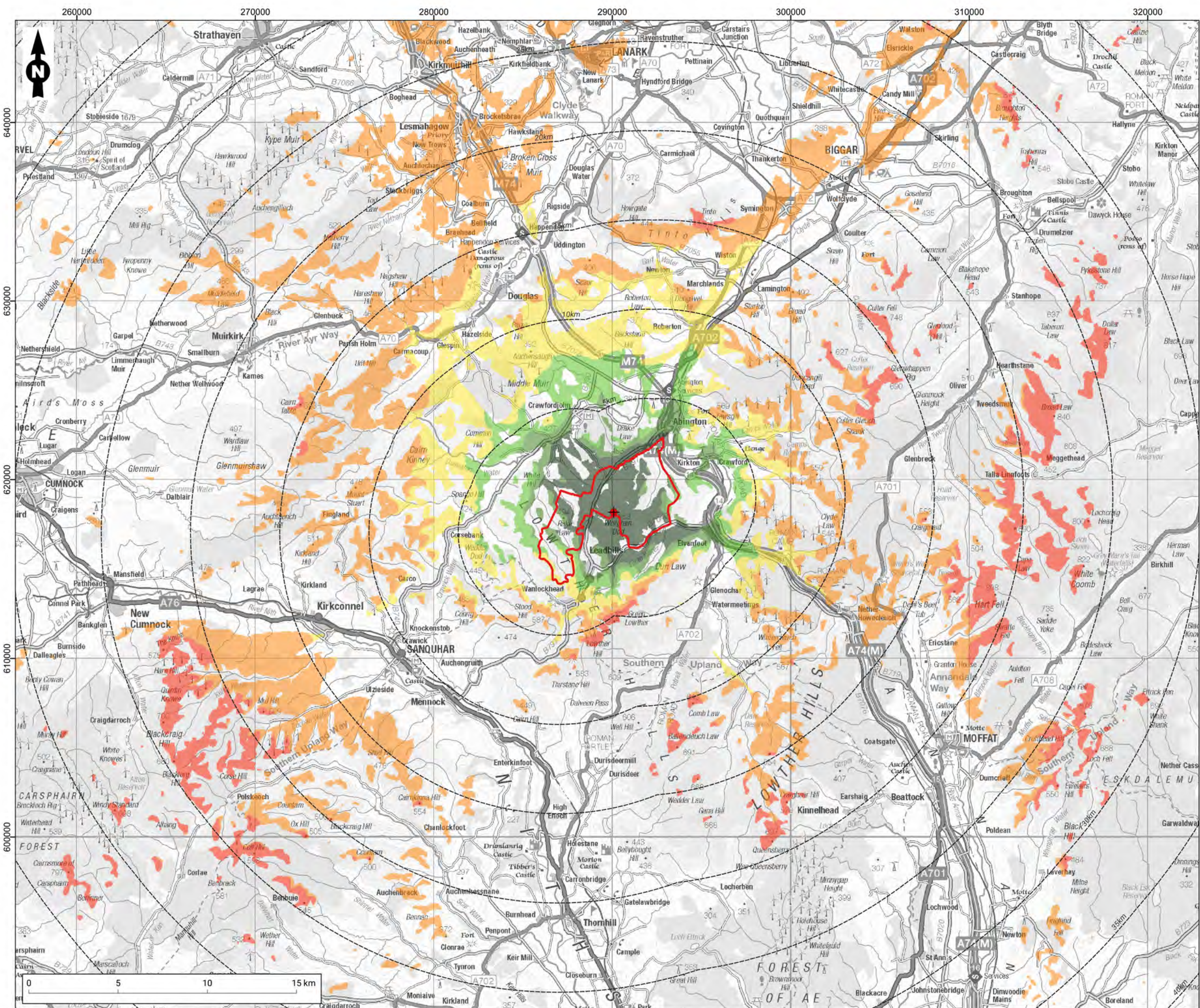
Client

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Legend

Turbine location

Lit turbine: 20

Distance to turbines (5km intervals)

Site boundary

Vertical angles

0 degrees and above

<0 to -1 degrees

<-1 to -2 degrees

<-2 to -3 degrees

<-3 to -4 degrees

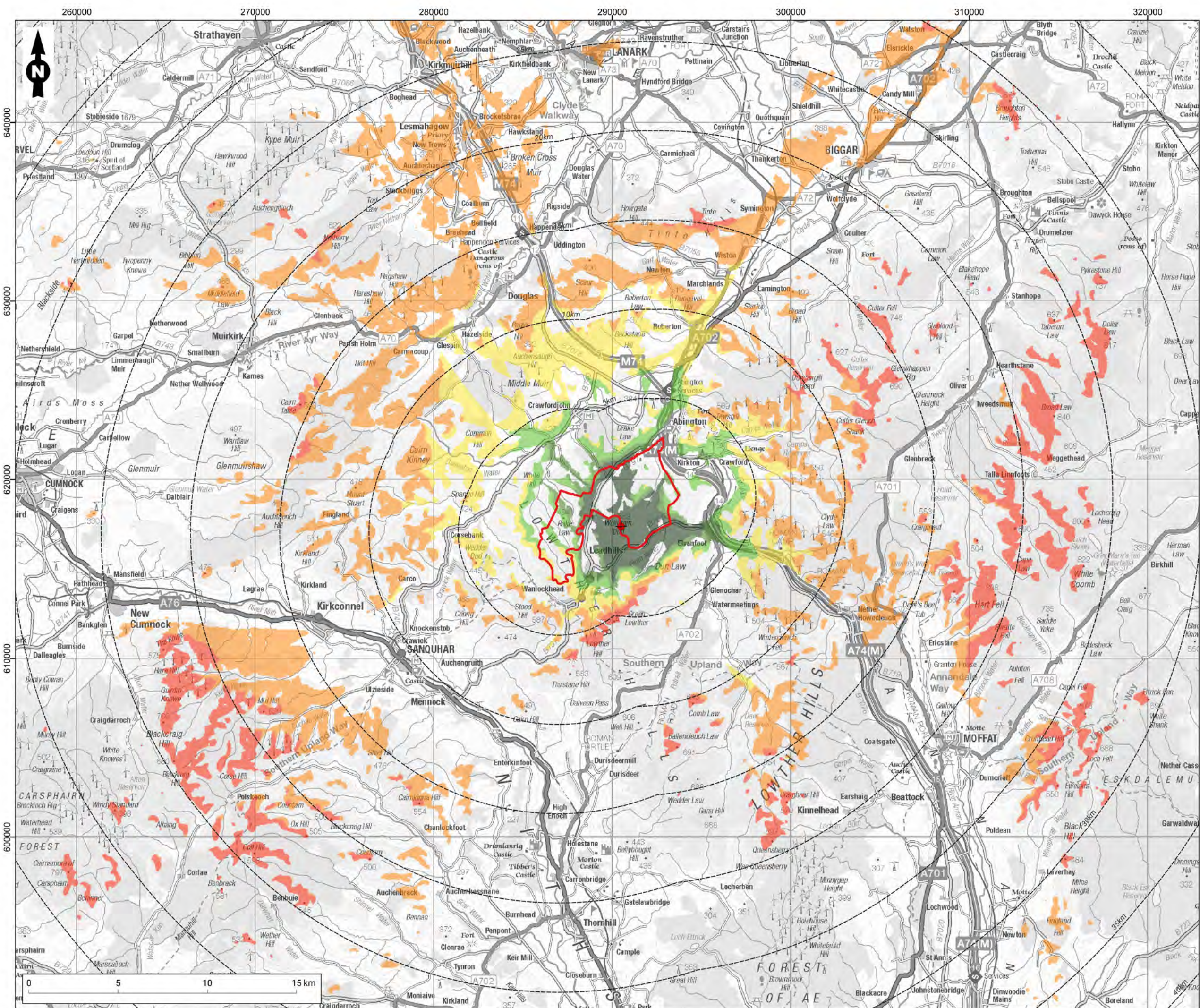
-4 degrees and below

Notes: The ZTV shows vertical angles calculated for a hub height of 135m, and a height of 2m above ground level. The terrain model is bare ground derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure Title				
Aviation Lighting ZTV - Turbine 20				
Project Name				
Ravengill Energy Park				
Project Number				
24002				
Date	Figure No.	Revision		
May 2026	4.16.9	r1		
Prepared by	Scale			
BP	1:200,000 @ A3			
Client				
Ravengill Energy Park Limited				
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Coordinate System: British National Grid: Projection: Transverse mercator. Datum: OSGB 1936
Ref: 24002-220n-r1



Legend

Turbine location

Lit turbine: 21

Distance to turbines (5km intervals)

Site boundary

Vertical angles

0 degrees and above

<0 to -1 degrees

<-1 to -2 degrees

<-2 to -3 degrees

<-3 to -4 degrees

-4 degrees and below

Notes: The ZTV shows vertical angles calculated for a hub height of 135m, and a height of 2m above ground level. The terrain model is bare ground derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure Title
Aviation Lighting ZTV - Turbine 21

Project Name
Ravengill Energy Park

Project Number
24002

Date	Figure No.	Revision
May 2026	4.16.10	r0

Prepared by	Scale
BP	1:200,000 @ A3

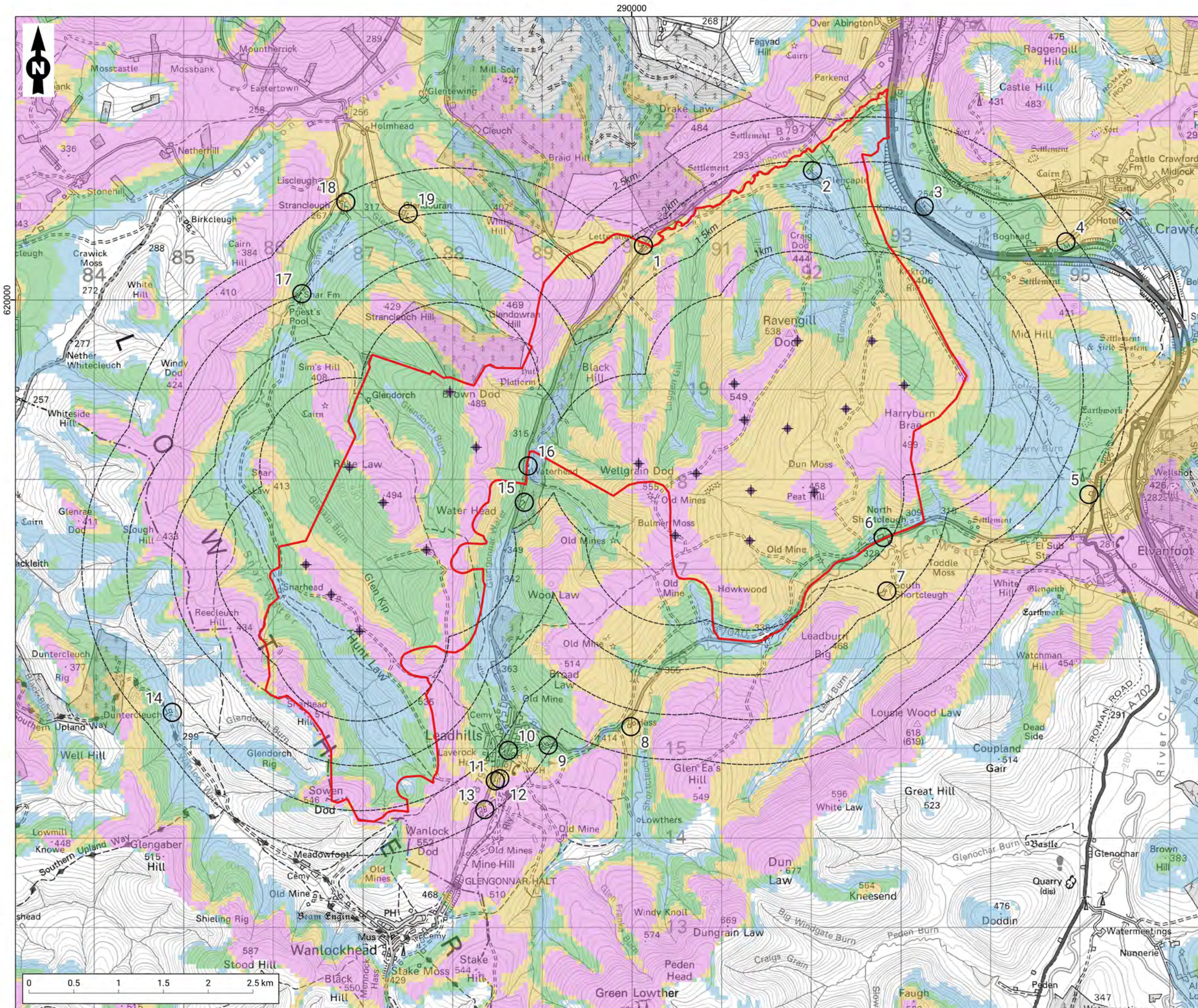
Client
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Coordinate System: British National Grid: Projection: Transverse mercator. Datum: OSGB 1936
Ref: 24002-220a-r0



Legend

- Turbine locations
- Distance to turbines (0.5km intervals)
- Site boundary
- Zone of Theoretical Visibility**
 - 1-5 turbines visible
 - 6-10 turbines visible
 - 11-15 turbines visible
 - 16-21 turbines visible
- Properties
 - 1 Lettershaws
 - 2 Glencaple
 - 3 Kirkton
 - 4 Crawford (Carlisle Road)
 - 5 Elvanfoot Farm
 - 6 North Shortcleuch
 - 7 South Shortcleuch
 - 8 Hass
 - 9 Leadhills (east)
 - 10 Leadhills (north)
 - 11 Leadhills (south)
 - 12 Leadhills (Station Road)
 - 13 Leadhills (Station Road)
 - 14 Duntercleuch
 - 15 New Glendorch
 - 16 Waterhead
 - 17 Snar Farm
 - 18 Strancleugh
 - 19 Glendouran

Notes: The ZTV is calculated to a turbine tip height of 220m, from a height of 2m above ground level. The terrain model is bare ground derived from OS Terrain 50 height data. Earth curvature and atmospheric refraction have been taken into account.

Figure Title

Zone of Theoretical Visibility with RVAA Properties

Project Name

Ravengill Energy Park

Project Number

24002

Date

April 2026

Figure No.

4.17

Revision

r0

Prepared by

BP

Scale

1:40,000 @ A3

Client

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