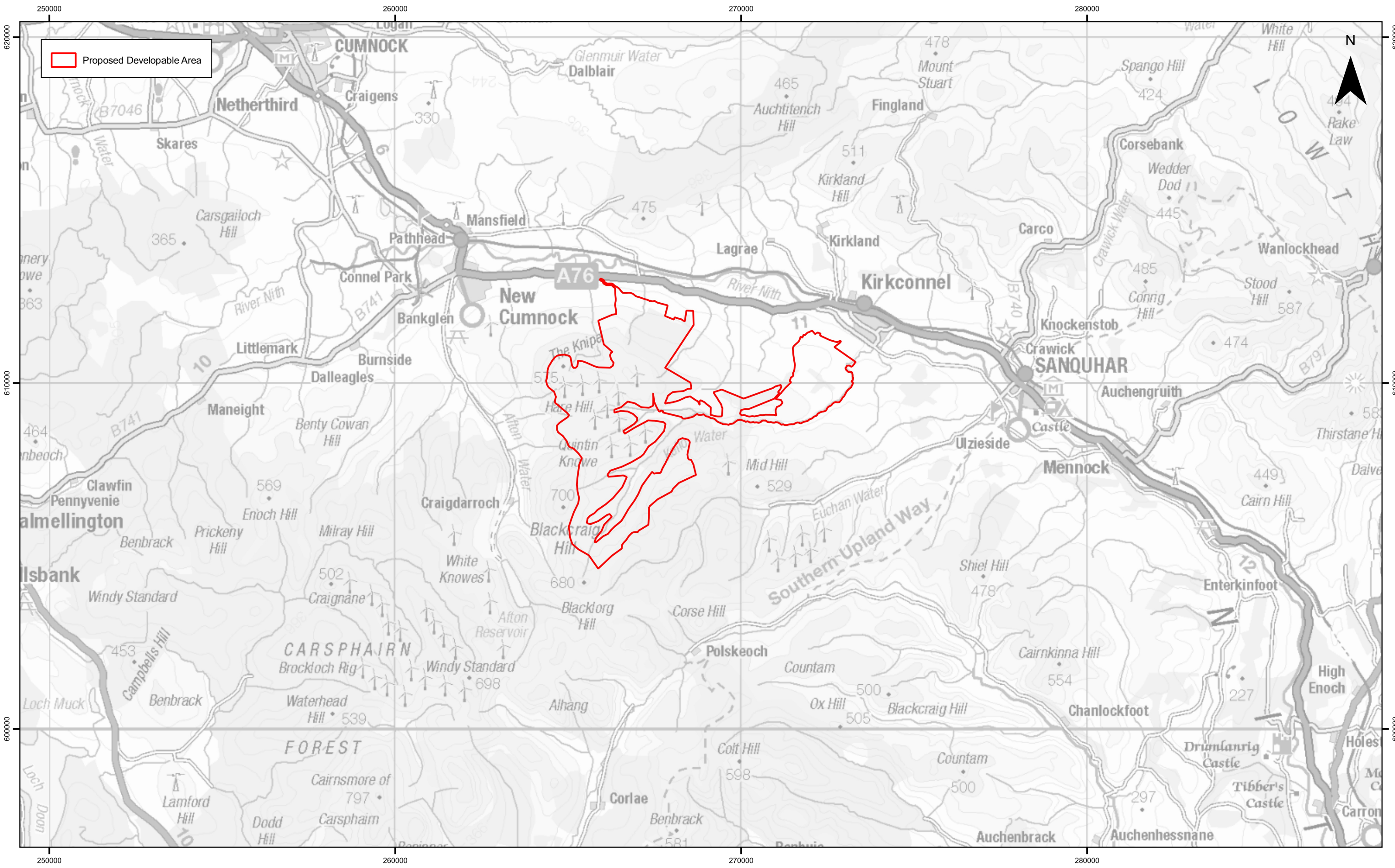
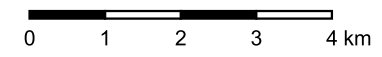


Appendices

A. Hare Hill proposed Development



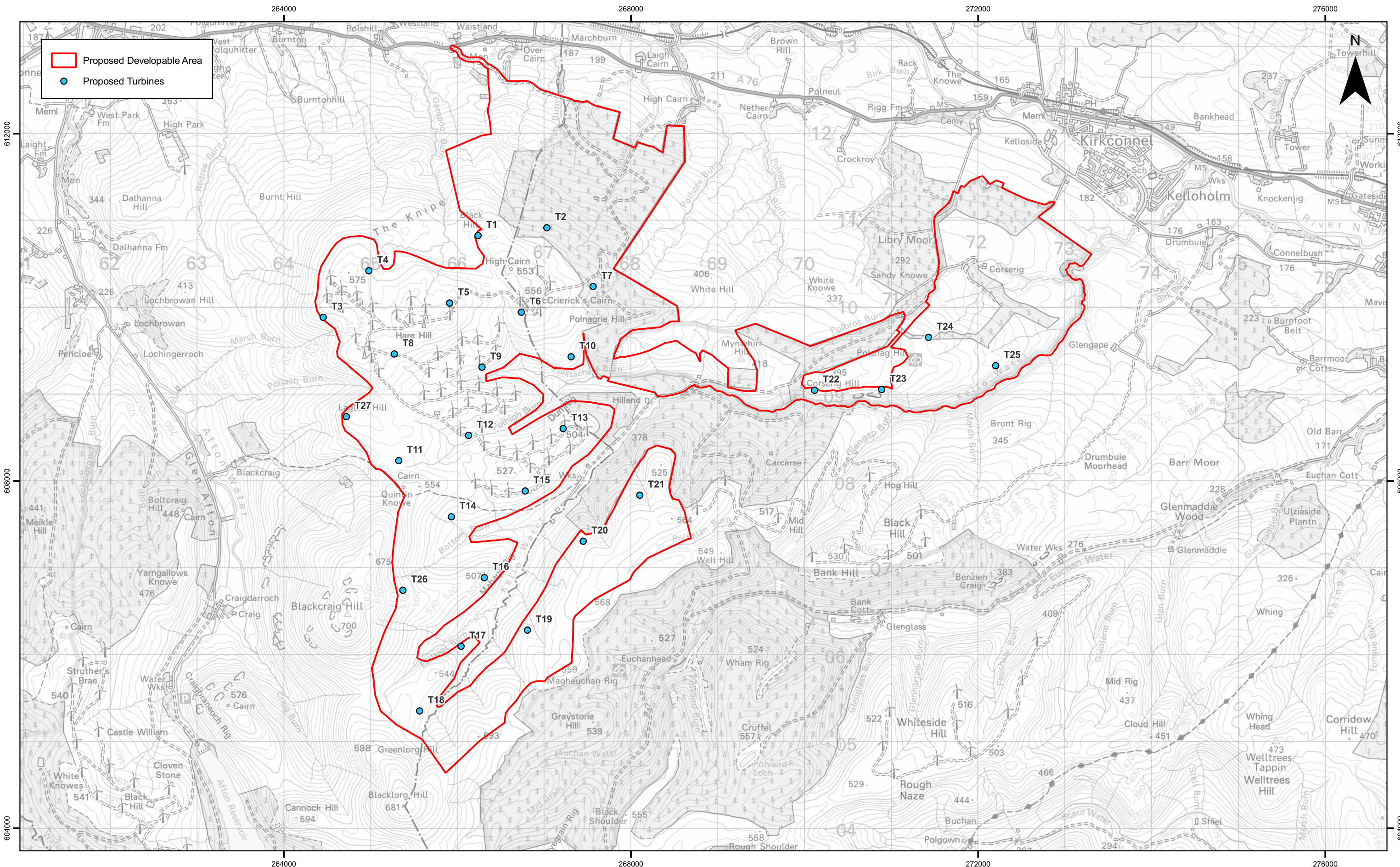
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Scale @ A3



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Hare Hill Repower Site Location

Drg No	GB200665_M_045_C	
Rev	C	Coordinate System: British National Grid
Date	03/10/23	
Figure	3.1	



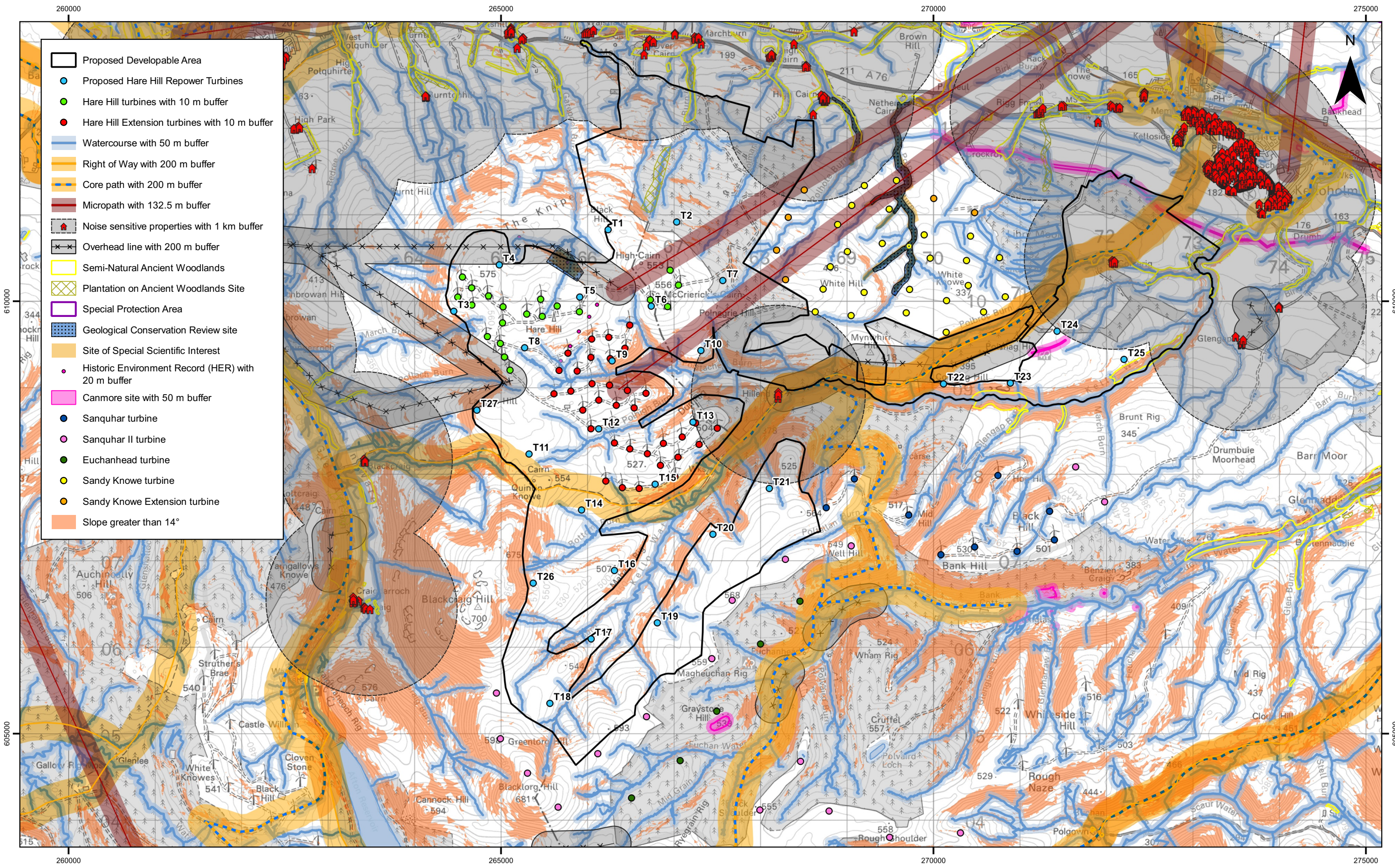
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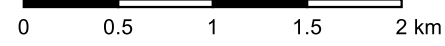
Hare Hill Repower Proposed Turbine Layout

Drg No	GB200665_M_051_C	
Rev	C	Coordinate System: British National Grid
Date	03/10/23	
Figure	3.2	

B. LVIA



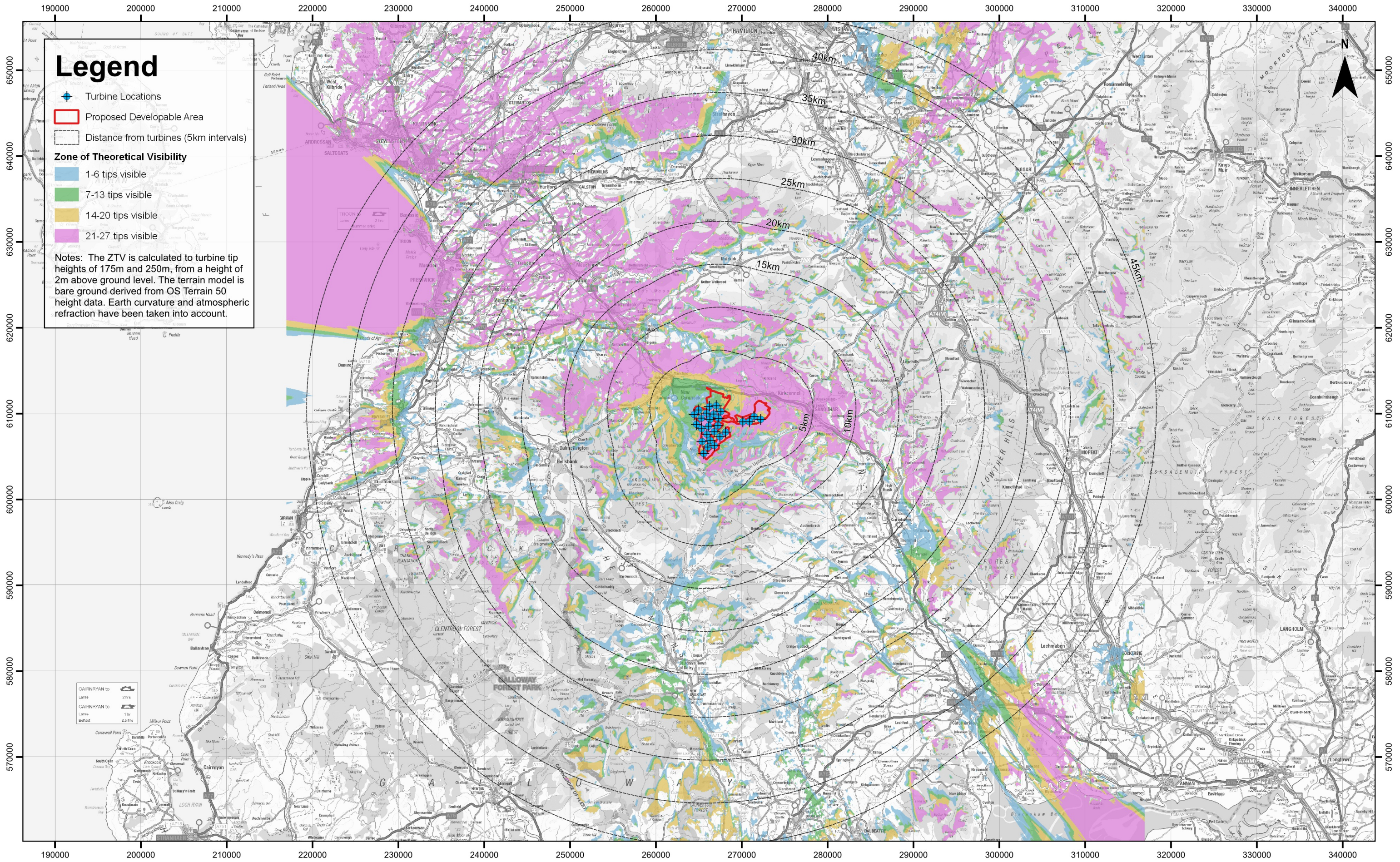
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Scale @ A3



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Hare Hill Repower Regional Context

Drg No	GB200665_M_046_C	
Rev	C	Coordinate System: British National Grid
Date	03/10/23	
Figure	3.3	



Legend

- Turbine Locations
- Proposed Developable Area
- Distance from turbines (5km intervals)
- Zone of Theoretical Visibility**
- 1-6 tips visible
- 7-13 tips visible
- 14-20 tips visible
- 21-27 tips visible

Notes: The ZTV is calculated to turbine tip heights of 175m and 250m, 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.

CAIRNYRAN to ...
 Larne 2 hrs
 Larne 1 hr
 Belfast 2.5 hrs



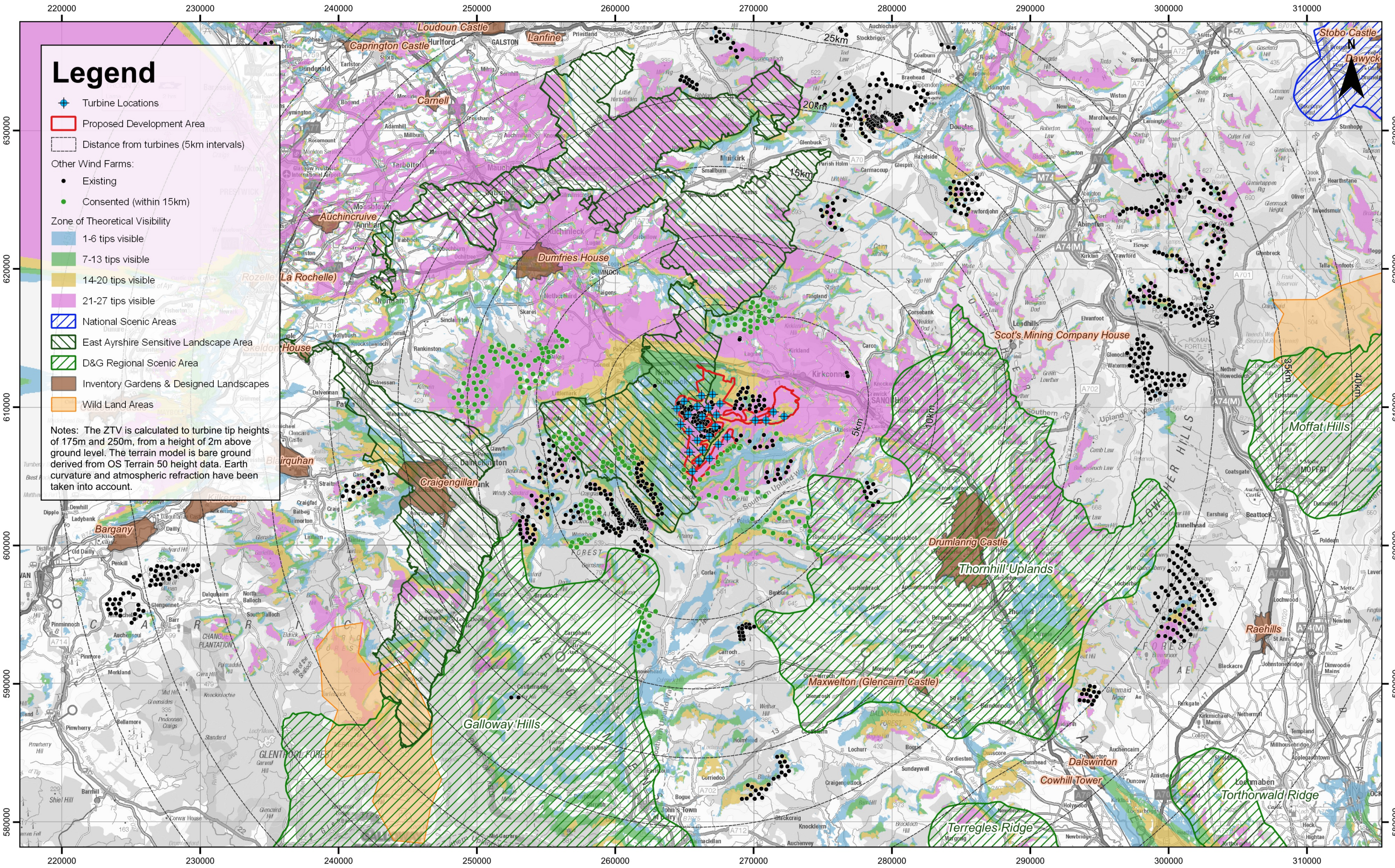
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 Scale @ A3

0 5 10 15 km

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Hare Hill Repower
 Zone of Theoretical Visibility to 45km

Drg No	22013-005-r3	Coordinate System: British National Grid
Rev	r3	
Date	18/10/23	
Figure	9.1	

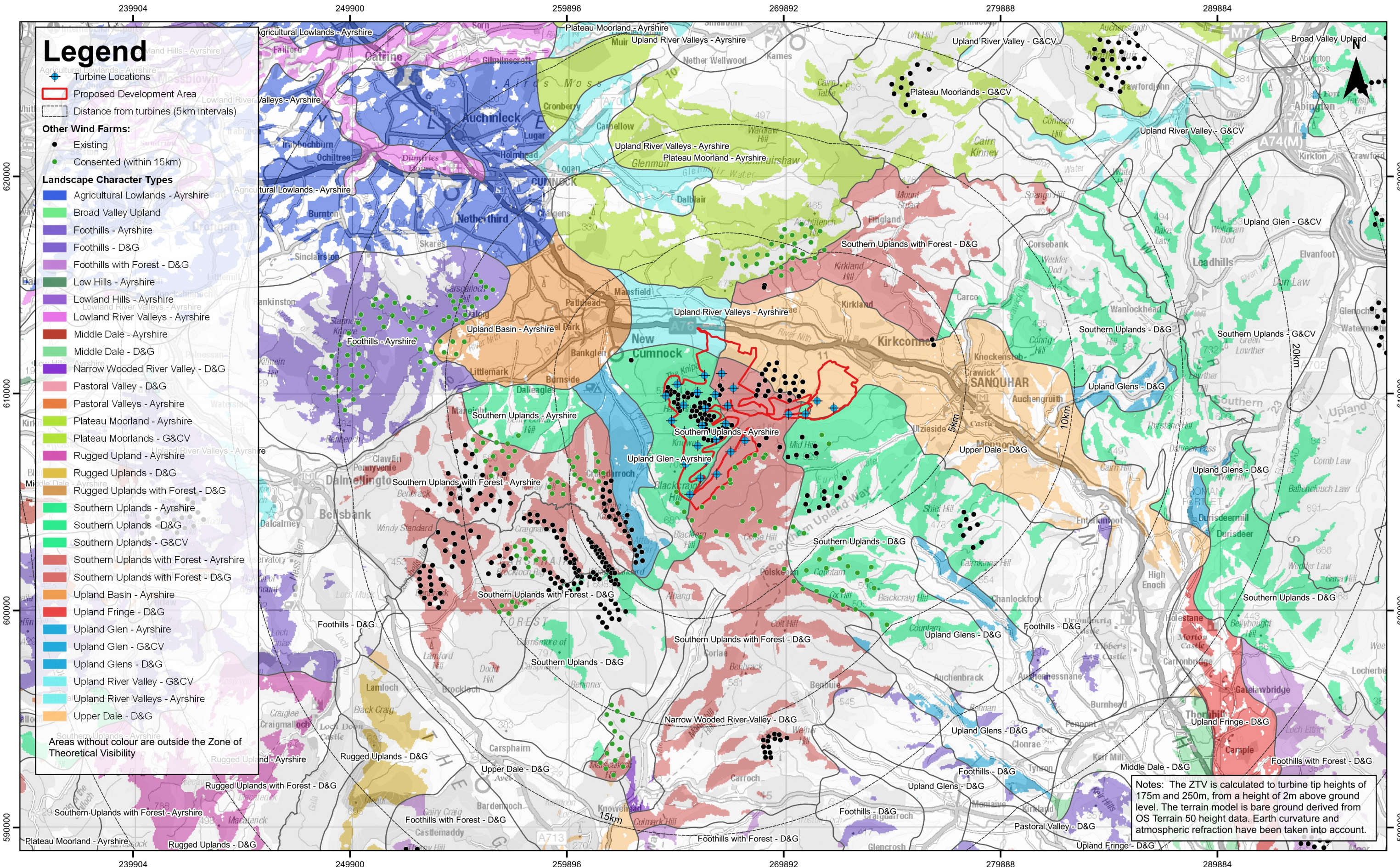


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Scale @ A3

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Hare Hill Repower
Designated Landscapes

Drg No	22013-006-r5	
Rev	r5	Coordinate System: British National Grid
Date	01/11/23	
Figure	9.2	



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Scale @ A3

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Hare Hill Repower Landscape Character Types

Drg No	22013-007-r5	
Rev	r5	Coordinate System: British National Grid
Date	01/11/2023	
Figure	9.3	

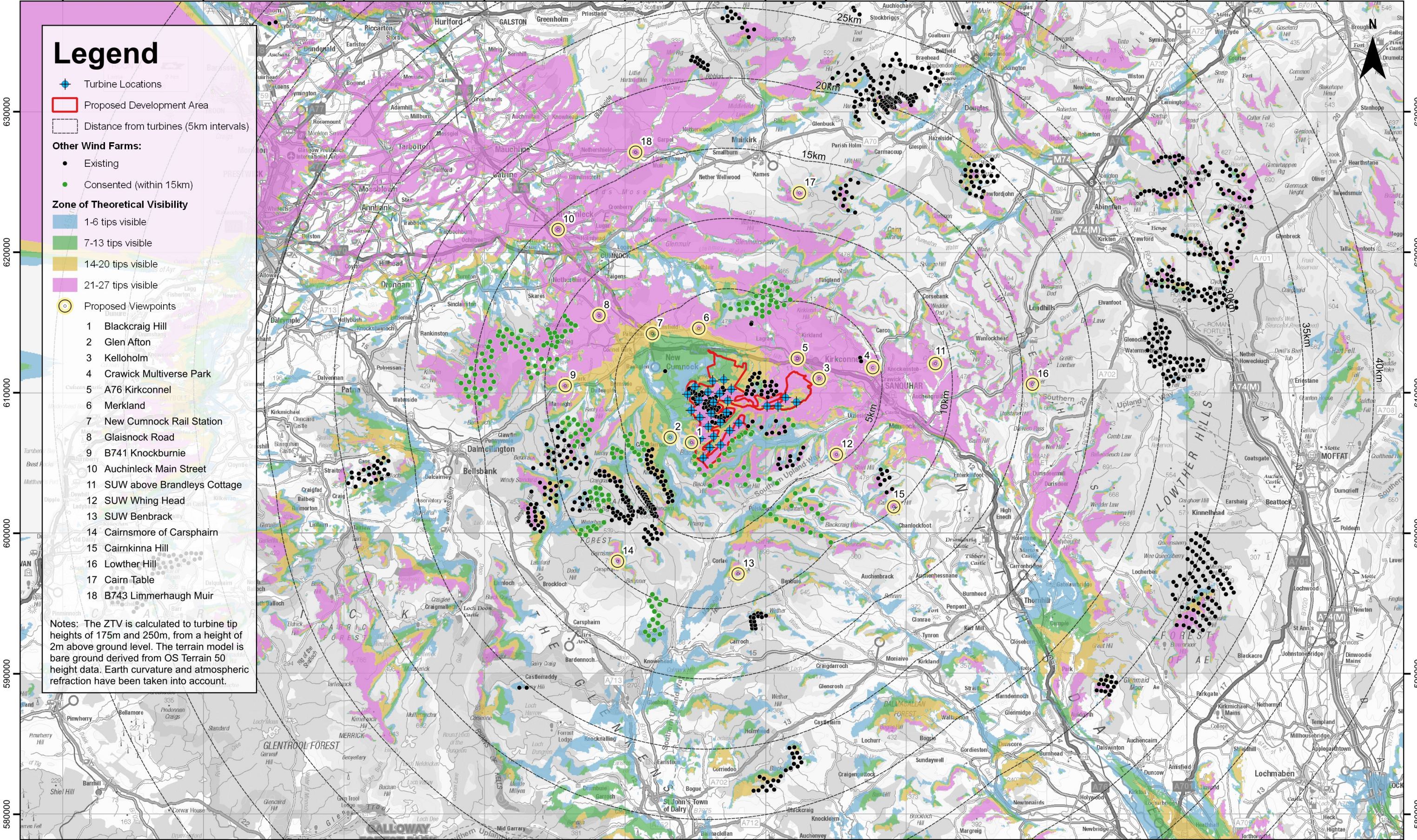
220000 230000 240000 250000 260000 270000 280000 290000 300000 310000

Legend

- Turbine Locations
- Proposed Development Area
- Distance from turbines (5km intervals)
- Other Wind Farms:**
 - Existing
 - Consented (within 15km)
- Zone of Theoretical Visibility**
 - 1-6 tips visible
 - 7-13 tips visible
 - 14-20 tips visible
 - 21-27 tips visible

- Proposed Viewpoints
- 1 Blackcraig Hill
- 2 Glen Afton
- 3 Kelloholm
- 4 Crawick Multiverse Park
- 5 A76 Kirkconnel
- 6 Merkland
- 7 New Cumnock Rail Station
- 8 Glaisnock Road
- 9 B741 Knockburnie
- 10 Auchinleck Main Street
- 11 SUW above Brandleys Cottage
- 12 SUW Whing Head
- 13 SUW Benbrack
- 14 Cairnmore of Carsphairn
- 15 Cairnkinna Hill
- 16 Lowther Hill
- 17 Cairn Table
- 18 B743 Limmerhaugh Muir

Notes: The ZTV is calculated to turbine tip heights of 175m and 250m, 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.



220000 230000 240000 250000 260000 270000 280000 290000 300000 310000



1:250,000
Scale @ A3

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Hare Hill Repower
Zone of Theoretical Visibility and
Proposed Viewpoints

Drg No	22013-008-r5	
Rev	r5	Coordinate System: British National Grid
Date	01/11/23	
Figure	9.4	

C. Ecology

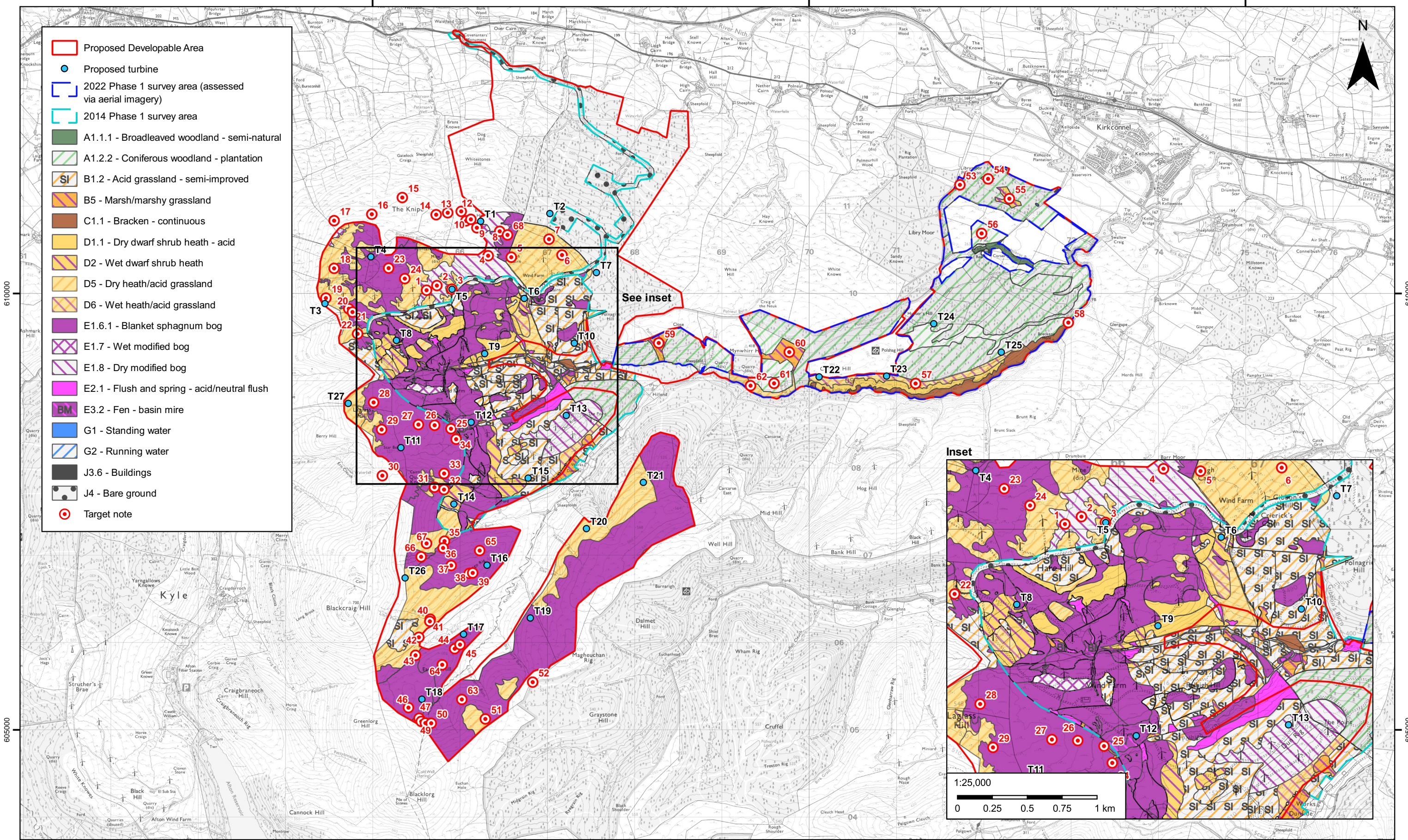
Table C.1 Ecology walkover target notes

NUMBER	NOTES
1	Burn
2	Small area of mire
3	Turbine location on D5/ E1.8
4	Burn
5	Standing water - pools
6	Turbine location within D5
7	Small area of E1
8	Turbine location on D5
9	Area of D1.1
10	Mosaic of E2.1/B5 (30/70%).
11	Turbine location on deep peat. Predominantly E1.8 with mosaic E1.2/B5
12	Area of D5
13	Watercourse
14	Turbine location on deep peat. E1.6
15	Turbine location on deep peat. E1.6
16	Turbine location on peat
17	Turbine location on peat
18	Turbine location on B1.2
19	Turbine location on shallow peat. D5
20	E2.1/B5 (50/50%)
21	E2.1/B5 (50/50%)
22	Turbine location on peat
23	Turbine location on deep peat. Mosaic of E1.6/E1.8
24	Turbine location on deep peat. Mosaic of E1.6/E1.8
25	Watercourse
26	Ditch blocking
27	Ditches blocked
28	Turbine location on deep peat. E1.6
29	Turbine location on deep peat. E1.6
30	Watercourse
31	Turbine location on peat
32	Turbine location on peat
33	Ditch blocking
34	Watercourse
35	Watercourse
36	Watercourse
37	Ditches blocked all along the north face of hill
38	Turbine location on peat 0.5m. Mosaic of E1.6/D5
39	Turbine location on peat 0.5m. Mosaic of E1.6/D5
40	Watercourse

41	Small pockets of E1.6
42	Watercourse
43	Watercourse
44	Turbine location on peat. E1.6
45	Turbine location on peat. E1.6
46	Turbine location on peat. E1.6
47	Watercourse
48	Area of mosaic B5/E2.1
49	Watercourse
50	Watercourse
51	Turbine location D5
52	Area of E2.1/B5
53	Aerial imagery suggests area of bog/ heath habitat
54	Aerial imagery suggests area of bog/ heath habitat
55	Aerial imagery suggests area of bog/ heath habitat
56	Aerial imagery may suggest recent woodland planting
57	Aerial imagery & OS map may suggest area of bog/ heath habitats or marshy grassland
58	Aerial imagery suggests area of continuous bracken and scattered trees
59	Aerial imagery & OS map may suggest area of bog/ heath habitats or marshy grassland
60	Aerial imagery & OS map may suggests area of bog/ heath habitats or marshy grassland
61	Aerial imagery & OS map may suggests area of coniferous or broadleaved planting on bog/heath habitat
62	Aerial imagery may suggests area of heath/grassland habitats
63	Mosaic of E1.6.1 and D5
64	With mosaic of E1.6.1 and D5
65	Mosaic of E1.6.1/D5
66	Mosaic of E1.6.1/D5
67	Also holds some B5 habitat - mosaic
68	Mosaic with D5

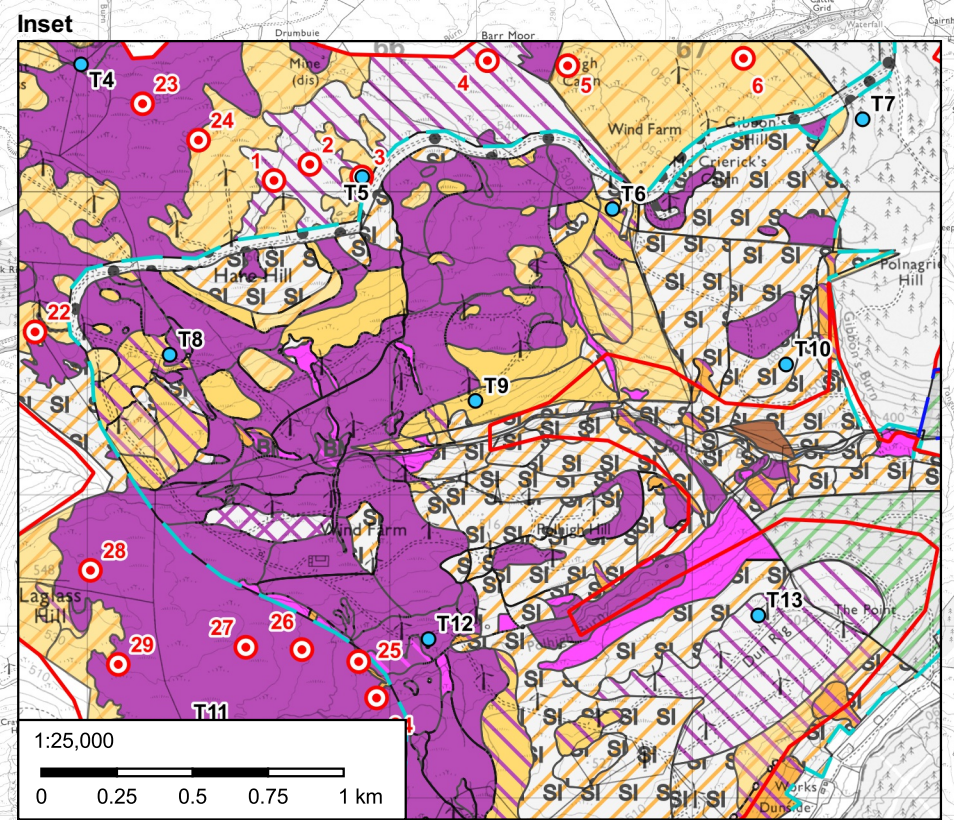
Source: Natural Power 2022

265000 270000 275000



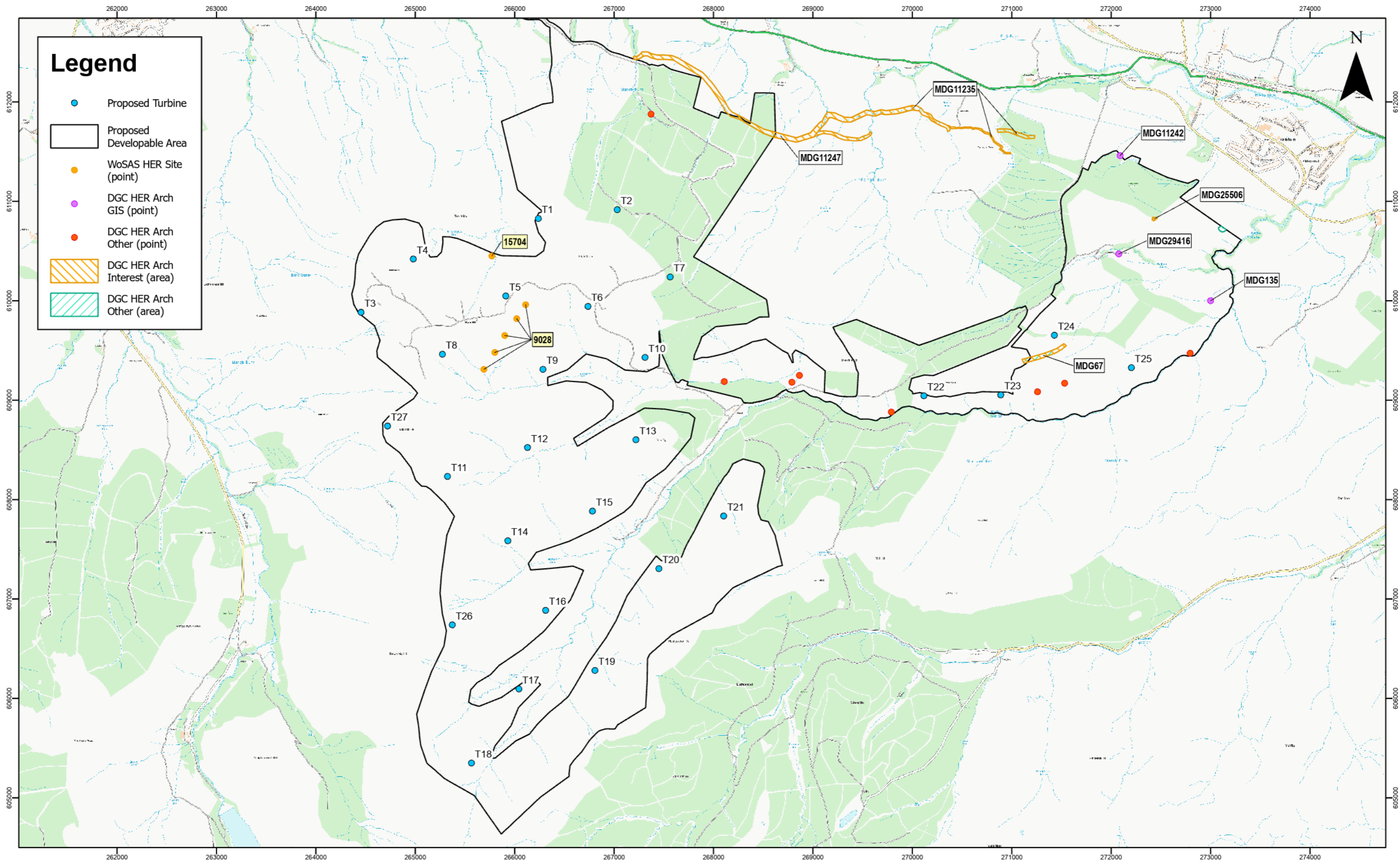
- Proposed Developable Area
- Proposed turbine
- 2022 Phase 1 survey area (assessed via aerial imagery)
- 2014 Phase 1 survey area
- A1.1.1 - Broadleaved woodland - semi-natural
- A1.2.2 - Coniferous woodland - plantation
- B1.2 - Acid grassland - semi-improved
- B5 - Marsh/marshy grassland
- C1.1 - Bracken - continuous
- D1.1 - Dry dwarf shrub heath - acid
- D2 - Wet dwarf shrub heath
- D5 - Dry heath/acid grassland
- D6 - Wet heath/acid grassland
- E1.6.1 - Blanket sphagnum bog
- E1.7 - Wet modified bog
- E1.8 - Dry modified bog
- E2.1 - Flush and spring - acid/neutral flush
- E3.2 - Fen - basin mire
- G1 - Standing water
- G2 - Running water
- J3.6 - Buildings
- J4 - Bare ground
- Target note

See inset



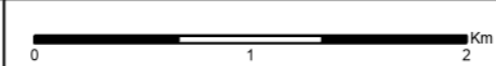
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D. Cultural Heritage



Rev	Date	By	Comment
C	02/10/23	SG	Third Issue.

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Scale @ A3

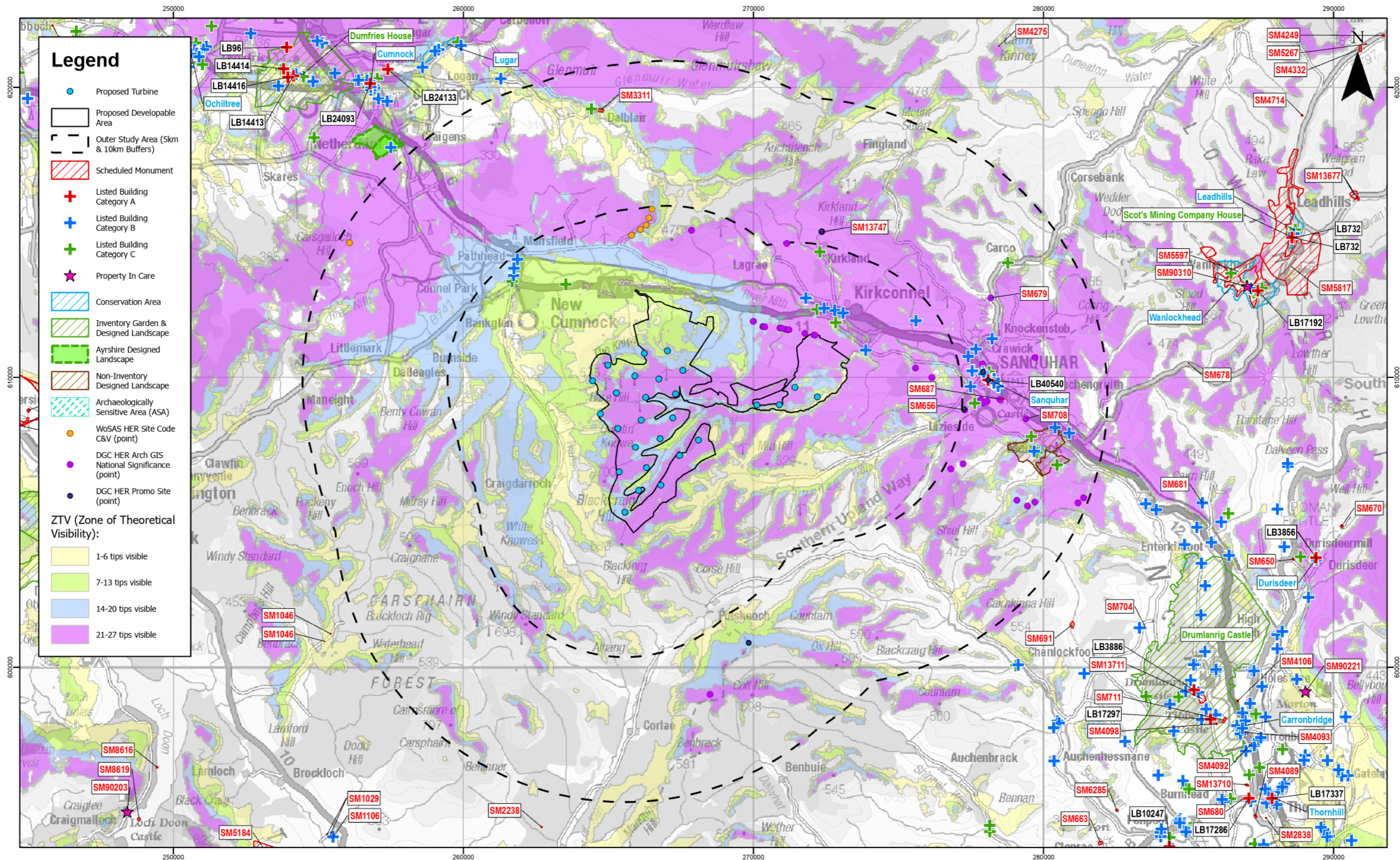


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Hare Hill Repower, East Ayrshire and Dumfries & Galloway

Cultural Heritage: Inner Study Area

Drg No	XXXX-XXXX-XXX	
Rev	C	Datum: OSGB36
Date	02/10/23	Projection: TM
Figure	13.1	



Rev	Date	By	Comment
C	02/10/23	SG	Third Issue.

1:120,000
Scale @ A3

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Hare Hill Repower, East Ayrshire and Dumfries & Galloway
Cultural Heritage: Outer Study Area

Drg No	xxxx-xxxx-xxx	
Rev	C	Datum: OSGB36
Date	02/10/23	Projection: TM
Figure	13.2	

E. Traffic and Transport

Transport Scotland Transport Assessment Form



Contact Details		
	Applicant	Consultant
Contact name	David Boyd	Craig Galloway
Company	Scottish Power Renewables Ltd	Natural Power Consultants Ltd
Address	ScottishPower Renewables ScottishPower House 320 St Vincent St Glasgow G2 5AD	120 Bath Street, Glasgow, G2 2EN
Telephone		
E-mail		

Development Details	
Brief description	<p>Hare Hill Repower</p> <p>The following are being considered for the Proposed Development:</p> <ul style="list-style-type: none"> • Up to 27 turbines with associated infrastructure; • Temporary borrow pits; • Underground electricity cables; • Access tracks; • Permanent anemometry mast; • Temporary construction and storage compounds, laydown areas and ancillary infrastructure; • Battery/energy storage; • Substation, compound, and control building; and • Waste water and drainage attenuation measures.
Existing/ historical site use	<p>Open moorland and agricultural land</p> <p>Hare Hill Windfarm</p> <p>Hare Hill Extension Windfarm</p>
Location: Street/Road Town/City/Plan Area (Map to be included)	<p>The Proposed Development site is situated between the towns of Kirkconnel in Dumfries & Galloway and New Cumnock in East Ayrshire. The Proposed Development site straddles the administrative boundaries of East Ayrshire Council (EAC) and Dumfries & Galloway Council (DGC).</p>
Size (e.g. GFA, no. of dwellings, etc.) Indicate if any thresholds in Table 3.1 are exceeded.	<p>The Proposed Development covers an area of approximately 2,270 hectares and exceeds the thresholds noted in Table 3.1.</p>
Opening year(s)	To be confirmed.