HOPE MOOR
Wind Farm

Environmental Impact Assessment

Scoping Report Volume A: Figures

EN0110038

May 2026

Fred. Olsen Renewables

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398000 400000 402000 404000 406000 408000 410000 412000

512000 510000 508000 506000 504000

414.063912.00001.0050.1 Site Location

LEGEND

Scoping Boundary

Local Plannning Authority (LPA) Boundary

N

0 1 2 Kilometres

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

INTRODUCTION

SITE LOCATION

FIGURE 1.1

Scale 1:50,000 @ A3

Date MAY 2026

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390000 395000 400000 405000 410000 415000 420000

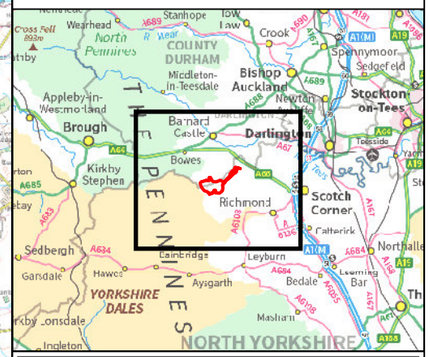
520000 515000 510000 505000

N

LEGEND

Scoping Boundary

Local Planning Authority (LPA) Boundary



0 2.5 5

Kilometres

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

INTRODUCTION

SITE AND SURROUNDINGS

FIGURE 1.2

Scale	Date
1:100,000 @ A3	MAY 2026

414.063912.00001.0078.1 Site and Surroundings

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402000 404000 406000 408000 410000

510000 508000 506000 414.063912.00001.0108.1 WF Array and Haul Route

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Wind Farm Array Area
- Haul Route Search Area

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21 T22 T23

BARNINGHAM CP · DALTON CP · GAYLES CP · HOPE CP · NEW FOREST CP

Barningham · Newsham · Barningham Moor · Kexwith Moor · Hope Moor · Peat Moor Hill · Booze Moor · Hurst Moor · Harker Moss · Gayles Moor · Feldom Ranges · DANGER AREA

0 1 2 Kilometres

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HOPE MOOR WIND FARM
SCOPING REPORT

PROJECT DESCRIPTION

WIND FARM ARRAY AREA AND HAUL ROUTE SEARCH AREA

FIGURE 2.1

Scale 1:30,000 @ A3

Date MAY 2026

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402000 404000 406000 408000 410000

510000 508000 506000

LEGEND

Scoping Boundary

Proposed Turbine Location

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21 T22 T23

BARNINGHAM CP

NEWSHAM CP

DALTON CP

GAYLES CP

HOPE CP

NEW FOREST CP

Barningham Moor

Kexwith Moor

Hope Moor

Arndale Fell

Peat Moor Hill

Booze Moor

Hurst Moor

Harker Moss

Newsham Pasture

Gayles Moor

Feldom Ranges

DANGER AREA

0 1 2 Kilometres

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SCOPING REPORT

PROJECT DESCRIPTION

PROJECT SITE

FIGURE 2.2

Scale 1:30,000 @ A3

Date MAY 2026

414.063912.00001.0090.1 Indicative Site Layout

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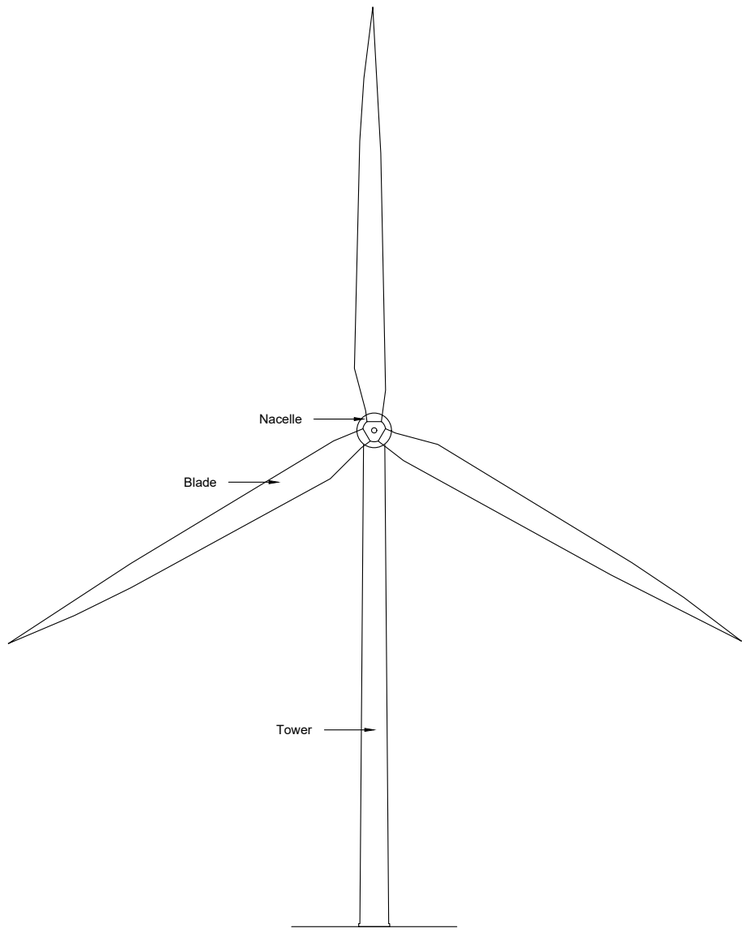
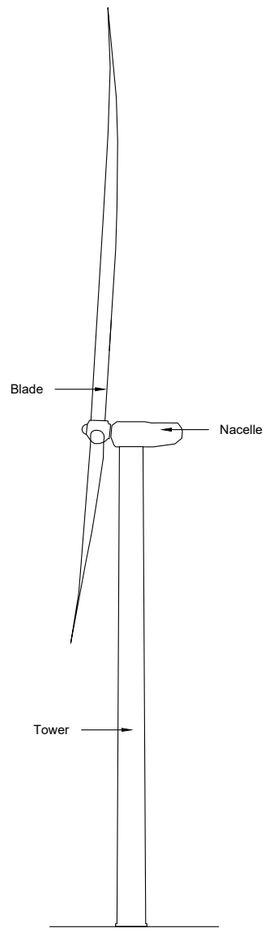


Front Elevation



Side Elevation

0 10 20 30 40 50 60 70 80 90 100m

Scale 1:1,000

Notes:

1. Subject to change through detailed design.
2. Actual turbine design may differ in visual appearance. Turbine design and dimensions used in the detail are indicative only.
3. External transformer subject to candidate turbine.
4. Tip heights are measured from the top of the foundation plinth.
5. Do not scale from this drawing.

Legend:

Rev	Amendments	Date	By	Chk	Auth
P01	Initial Issue	25/03/26	IG	CT	CT

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Client: HOPE MOOR Wind Farm

Project: Hope Moor Wind Farm Scoping Report

Figure Title: Figure 2.3 Typical Wind Turbine

Scale	SLR Project No.
1:1,000 @ A3	414.063912.000001

Designed	Drawn	Checked	Authorised
CT	IG	CT	CT
Date 25/03/26	Date 25/03/26	Date 25/03/26	Date 25/03/26

Figure Number: **063912-SLR-XX-XX-F-PA-000002** Rev. **P01**

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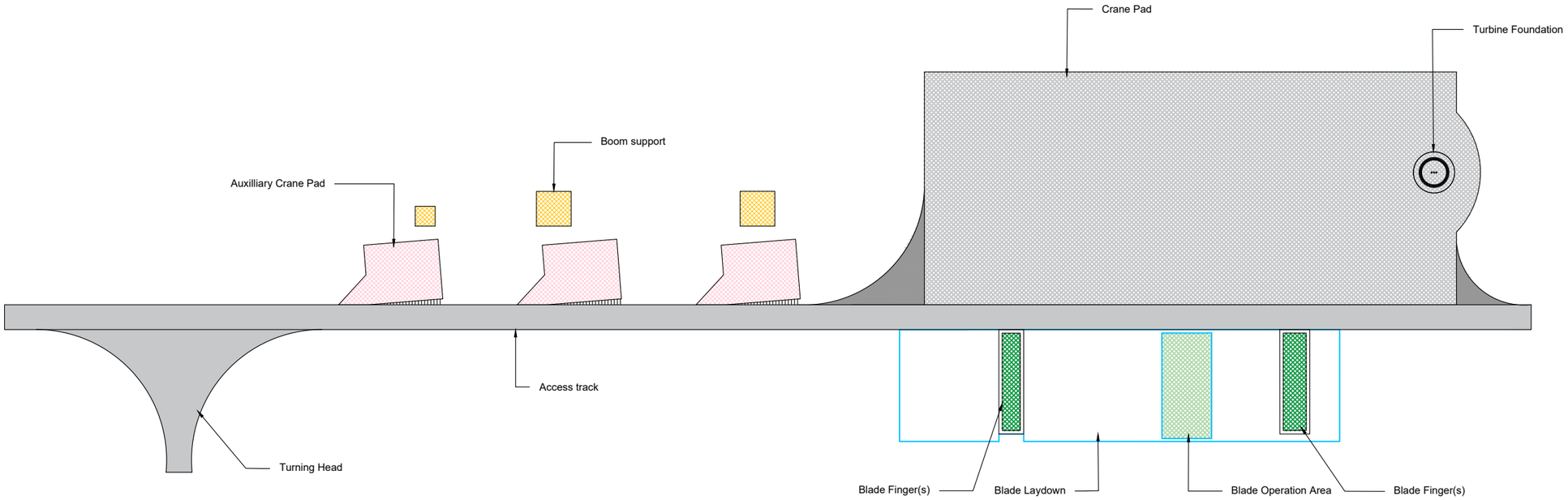

0 10 20 30 40 50 60 70 80 90 100m

Scale 1:1,000

Notes:

1. Subject to change through detailed design and selection of candidate turbine.
2. All hardstands to be constructed on suitable foundation material.
3. All hardstands to be finished with crushed rock, forming a free draining surface.
4. All permanent crane hardstanding area to be at 1:100 max gradient.
5. Do not scale from this drawing.

Legend:

- Main crane operational area - permanent
- Access track - permanent
- Assist crane hardstanding - temporary construction works
- Hardstanding - temporary construction works
- Blade finger level - temporary
- Safe walking path for driving blade gripper through - temporary
- Preparation / working area - temporary
- Works - temporary

Rev	Amendments	Date	By	Chk	Auth
P01	Initial Issue	25/03/26	IG	CT	CT

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Client: HOPE MOOR Wind Farm

Project: Hope Moor Wind Farm Scoping Report

Figure Title: Figure 2.4 Typical Hardstanding

Scale	SLR Project No.
1:1,000 @ A3	414.063912.000001

Designed	Drawn	Checked	Authorised
CT	IG	CT	CT
Date	Date	Date	Date
25/03/26	25/03/26	25/03/26	25/03/26

Figure Number: **063912-SLR-XX-XX-F-PA-000001** Rev. **P01**

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\\slr.local\eu\Offices\UK\Newcastle\Projects\414\UK.037110 - Fred Olsen Renewables Ltd\414.063912.00001 - Hope Moor (Kexwith) Wind Farm DCO\Tech\CAD\1 - WIP\CAD\063912-SLR-XX-XX-F-PA-000001 Fig 2.4 Typical Hardstanding.dwg 28/05/2026

360000 380000 400000 420000 440000 460000

540000 520000 500000

414.063912.00001.0125.1 Cumulative Developments

LPA
Northumberland LPA
Boundary Lane
Greencroft Estate
Sunderland LPA
40·km
Langley Moor
Tow Law
Tow Law
High Hedley Hope Extension
Southern Law
West Durham
Broom Hill Farm
MME3, Plot DC1, Integra 61
30·km
Westmorland and Furness LPA
A66 Northern Trans-Pennine Project
A66 Northern Trans-Pennine Project
County Durham LPA
North East English Region
Trimdon Grange
Butterwick Moor
Hartlepool LPA
The Net Zero Teesside Project
20·km
Walkway
Red Gap Moor
A66 Northern Trans-Pennine Project
A66 Northern Trans-Pennine Project
Byers Gill Solar
Middlesbrough LPA
10·km
Lambs Hill
Moor House
H2Teesside
A66 Northern Trans-Pennine Project
Darlington LPA
Stockton-on-Tees LPA
Hambleton
A66 Northern Trans-Pennine Project
North West English Region
Lake District National Park LPA
Stockton on Tees
A66 Northern Trans-Pennine Project
North Yorkshire LPA
North York Moors National Park LPA
Yorkshire Dales National Park LPA
Yorkshire and the Humber English Region
Aygill Intake
Lancaster LPA

N

0 10 20
Kilometres

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Proposed Turbine Location 10 km Interval Buffer
- Proposed Turbine Location 45 km Buffer
- Regional Boundary
- Local Planning Authority (LPA) Boundary

Wind Farm Status

Source: Renewable Energy Planning Database (Department for Energy Security and Net Zero, updated April 2026)

- Operational
- Consented
- Application / Appeal

Nationally Significant Infrastructure Project

Project Stage

- Post-decision
- Decision
- Examination
- Pre-application

Note
Only Cumulative developments within the Proposed Turbine Location 45 km Buffer are labelled.



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
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APPROACH TO EIA

CUMULATIVE DEVELOPMENTS

FIGURE 3.1

Scale 1:350,000 @ A3

Date MAY 2026

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360000 380000 400000 420000 440000 460000

540000 520000 500000 480000

414.063912.00001.0051.1 LVIA Study Area

40 km
30 km
20 km
10 km

N

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Proposed Turbine Location 10 km Interval Buffer
- Proposed Turbine Location 45 km Study Area

Newcastle upon Tyne
Sunderland
Carlisle
Ripon
Lancaster
York
Isle of Man
SEA
Preston
Leeds
Kingston
Manchester
Liverpool
Sheffield
Chester
Lincoln

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HOPE MOOR WIND FARM
SCOPING REPORT

LANDSCAPE AND VISUAL

LVIA STUDY AREA

FIGURE 5.1

Scale 1:350,000 @ A3

Date MAY 2026

0 10 20
Kilometres

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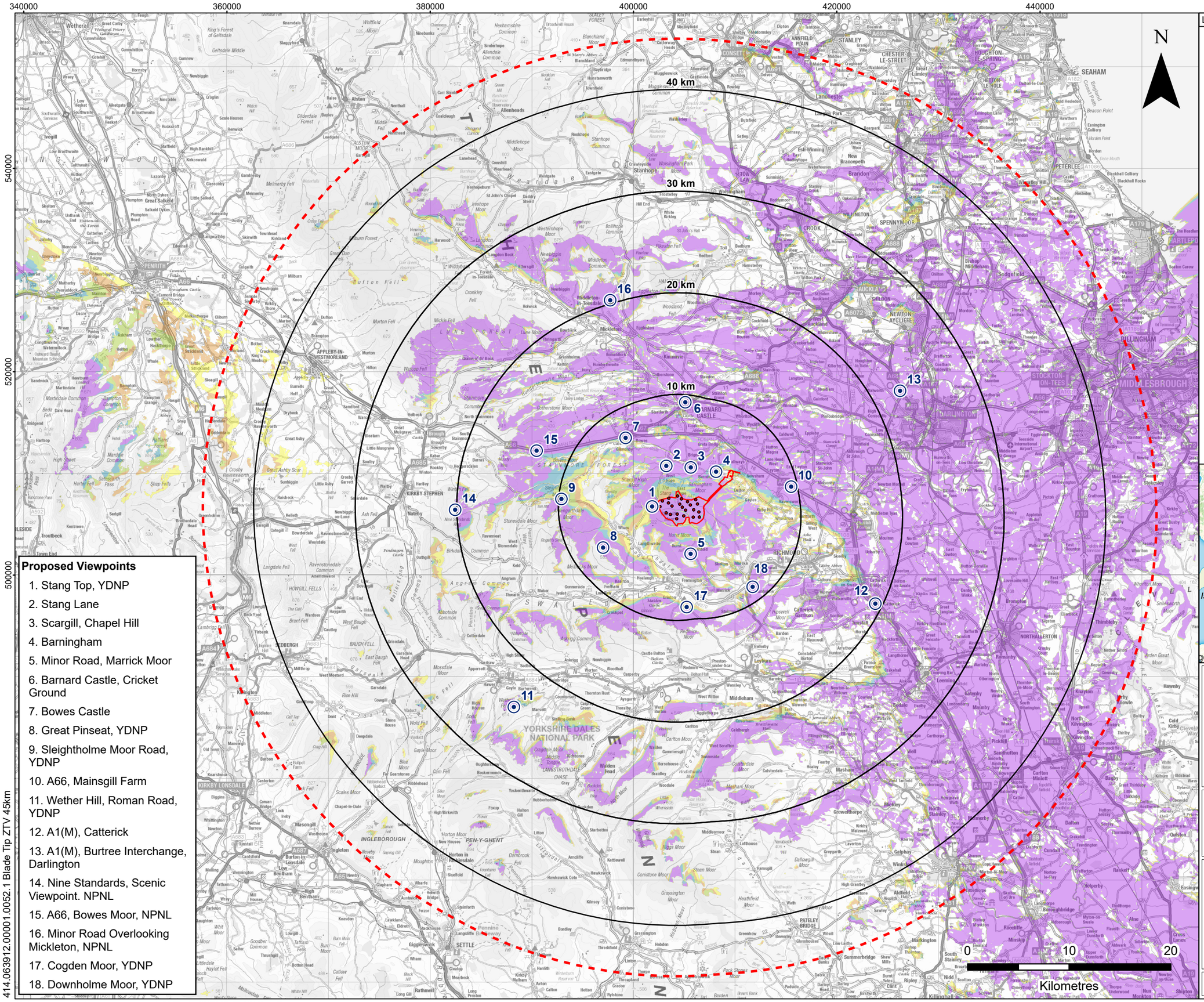

Proposed Viewpoints

1. Stang Top, YDNP
2. Stang Lane
3. Scargill, Chapel Hill
4. Barningham
5. Minor Road, Marrick Moor
6. Barnard Castle, Cricket Ground
7. Bowes Castle
8. Great Pinseat, YDNP
9. Sleightholme Moor Road, YDNP
10. A66, Mainsgill Farm
11. Wether Hill, Roman Road, YDNP
12. A1(M), Catterick
13. A1(M), Burtree Interchange, Darlington
14. Nine Standards, Scenic Viewpoint. NPNL
15. A66, Bowes Moor, NPNL
16. Minor Road Overlooking Mickleton, NPNL
17. Cogden Moor, YDNP
18. Downholme Moor, YDNP

414.063912.00001.0052.1 Blade Tip ZTV 45km

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Proposed Turbine Location 10 km Interval Buffer
- Proposed Turbine Location 45 km Study Area
- Proposed Viewpoint

Blade Tip Zone of Theoretical Visibility (ZTV) Bare Earth

Number of Blade Tips Theoretically Visible

- 1 - 4
- 5 - 9
- 10 - 15
- 16 - 20
- 21 - 23

This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension using the assumptions detailed in the infobox below. The Digital Terrain Model (DTM) has the following accuracy: OS Terrain 5 dataset (+/-2 m) up to 30 km from turbine locations and OS Terrain 50 dataset (+/- 10 m) up to 60 km from turbine locations. The ZTV view height of 2 m above ground level is recommended by "Visual Representation of Windfarms" by NatureScot February 2017 - Version 2.2. The ZTV is generated from a bare earth terrain and does not account for the screening effect of features within the landscape such as settlements and woodland. The ZTV shows potential theoretical visibility only and is for informing 'on the ground' visual assessment.

Blade tip:	200 m	Observer height:	2 m
DTM:	OS Terrain 5 and 50	Surface features:	Excluded
DTM resolution:	10 m	Earth curvature:	Included



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM SCOPING REPORT

LANDSCAPE AND VISUAL

BLADE TIP ZONE OF THEORETICAL VISIBILITY (ZTV) BARE EARTH

FIGURE 5.2

Scale	Date
1:350,000 @ A3	MAY 2026

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380000 390000 400000 410000 420000 430000

530000 520000 510000 500000

N

20 km

10 km

16 13 6 7 15 2 3 4 10 9 14 1 8 5 18 17 12 11

Proposed Viewpoints

1. Stang Top, YDNP
2. Stang Lane
3. Scargill, Chapel Hill
4. Barningham
5. Minor Road, Marrick Moor
6. Barnard Castle, Cricket Ground
7. Bowes Castle
8. Great Pinseat, YDNP
9. Sleightholme Moor Road, YDNP
10. A66, Mainsgill Farm
11. Wether Hill, Roman Road, YDNP
12. A1(M), Catterick
13. A1(M), Burtree Interchange, Darlington
14. Nine Standards, Scenic Viewpoint. NPNL
15. A66, Bowes Moor, NPNL
16. Minor Road Overlooking Mickleton, NPNL
17. Cogden Moor, YDNP
18. Downholme Moor, YDNP

0 5 10 Kilometres

414.063912.00001.0053.1 Blade Tip ZTV 20km

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Proposed Turbine Location 10 km Interval Buffer
- Proposed Viewpoint

Blade Tip Zone of Theoretical Visibility (ZTV) Bare Earth

Number of Blade Tips Theoretically Visible

- 1 - 4
- 5 - 9
- 10 - 15
- 16 - 20
- 21 - 23

This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension using the assumptions detailed in the infobox below. The Digital Terrain Model (DTM) has the following accuracy: OS Terrain 5 dataset (+/-2 m) up to 30 km from turbine locations and OS Terrain 50 dataset (+/- 10 m) up to 60 km from turbine locations. The ZTV view height of 2 m above ground level is recommended by "Visual Representation of Windfarms" by NatureScot February 2017 - Version 2.2. The ZTV is generated from a bare earth terrain and does not account for the screening effect of features within the landscape such as settlements and woodland. The ZTV shows potential theoretical visibility only and is for informing 'on the ground' visual assessment.

Blade tip:	200 m	Observer height:	2 m
DTM:	OS Terrain 5 and 50	Surface features:	Excluded
DTM resolution:	10 m	Earth curvature:	Included



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

LANDSCAPE AND VISUAL

BLADE TIP ZONE OF THEORETICAL VISIBILITY (ZTV) BARE EARTH (DETAILED AREA)

FIGURE 5.3

Scale	Date
1:180,000 @ A3	MAY 2026

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380000 390000 400000 410000 420000 430000

530000 520000 510000 500000

N

20 km

10 km

16 13 6 7 15 2 3 4 10 9 14 1 8 5 18 17 12 11

Proposed Viewpoints

1. Stang Top, YDNP
2. Stang Lane
3. Scargill, Chapel Hill
4. Barningham
5. Minor Road, Marrick Moor
6. Barnard Castle, Cricket Ground
7. Bowes Castle
8. Great Pinseat, YDNP
9. Sleightholme Moor Road, YDNP
10. A66, Mainsgill Farm
11. Wether Hill, Roman Road, YDNP
12. A1(M), Catterick
13. A1(M), Burtree Interchange, Darlington
14. Nine Standards, Scenic Viewpoint. NPNL
15. A66, Bowes Moor, NPNL
16. Minor Road Overlooking Mickleton, NPNL
17. Cogden Moor, YDNP
18. Downholme Moor, YDNP

0 5 10

Kilometres

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Proposed Turbine Location 10 km Interval Buffer
- Proposed Viewpoint

Screened Blade Tip Zone of Theoretical Visibility (ZTV)

Number of Blade Tips Theoretically Visibile

- 1 - 4
- 5 - 9
- 10 - 15
- 16 - 20
- 21 - 23

This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension using the assumptions detailed in the infobox below. The Digital Terrain Model (DTM) has the following accuracy: OS Terrain 5 dataset (+/-2 m) up to 30 km from turbine locations and OS Terrain 50 dataset (+/- 10 m) up to 60 km from turbine locations. The ZTV view height of 2 m above ground level is recommended by "Visual Representation of Windfarms" by NatureScot February 2017 - Version 2.2. The ZTV includes Woodland and Building designated by OS OpenMap Local data. Woodland height is assumed as 10 m Above Ground Level (AGL). Building height is assumed to be 8 m AGL. The ZTV shows potential theoretical visibility only and is for informing 'on the ground' visual assessment.

Blade tip:	200 m	Observer height:	2 m
DTM:	OS Terrain 5 and 50	Surface features:	Included
DTM resolution:	10 m	Earth curvature:	Included



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

LANDSCAPE AND VISUAL

SCREENED BLADE TIP ZONE OF THEORETICAL VISIBILITY (ZTV) (DETAILED AREA)

FIGURE 5.4

Scale	Date
1:180,000 @ A3	MAY 2026

414.063912.00001.0054.1 Screened Blade Tip ZTV 20km

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340000 360000 380000 400000 420000 440000

540000

520000

500000

414.063912.00001.0055.1 Hub Height Tip ZTV 45km

N

Proposed Viewpoints

1. Stang Top, YDNP
2. Stang Lane
3. Scargill, Chapel Hill
4. Barningham
5. Minor Road, Marrick Moor
6. Barnard Castle, Cricket Ground
7. Bowes Castle
8. Great Pinseat, YDNP
9. Sleightholme Moor Road, YDNP
10. A66, Mainsgill Farm
11. Wether Hill, Roman Road, YDNP
12. A1(M), Catterick
13. A1(M), Burtree Interchange, Darlington
14. Nine Standards, Scenic Viewpoint. NPNL
15. A66, Bowes Moor, NPNL
16. Minor Road Overlooking Mickleton, NPNL
17. Cogden Moor, YDNP
18. Downholme Moor, YDNP

0 10 20 Kilometres

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Proposed Turbine Location 10 km Interval Buffer
- Proposed Turbine Location 45 km Study Area
- Proposed Viewpoint

Hub Height Zone of Theoretical Visibility (ZTV) Bare Earth

Number of Hubs Theoretically Visible

- 1 - 4
- 5 - 9
- 10 - 15
- 11 - 20
- 12 - 23

This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension using the assumptions detailed in the infobox below. The Digital Terrain model (DTM) has the following accuracy: OS Terrain 5 dataset (+/-2 m) up to 30 km from turbine locations and OS Terrain 50 dataset (+/- 10 m) up to 60 km from turbine locations. The ZTV view height of 2 m above ground level is recommended by "Visual Representation of Windfarms" by NatureScot February 2017 - Version 2.2. The ZTV is generated from a bare earth terrain and does not account for the screening effect of features within the landscape such as settlements and woodland. The ZTV shows potential theoretical visibility only and is for informing 'on the ground' visual assessment.

Hub height:	113 m	Observer height:	2 m
DTM:	OS Terrain 5 and 50	Surface features:	Excluded
DTM resolution:	10 m	Earth curvature:	Included



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
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LANDSCAPE AND VISUAL

HUB HEIGHT ZONE OF THEORETICAL VISIBILITY (ZTV) BARE EARTH

FIGURE 5.5

Scale	Date
1:350,000 @ A3	MAY 2026

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340000 360000 380000 400000 420000 440000

540000 520000 500000

N

40 km 30 km 20 km 10 km

National Character Areas (Natural England, 2014)

- 8 - Cumbria High Fells
- 9 - Eden Valley
- 10 - North Pennines
- 14 - Tyne and Wear Lowlands
- 15 - Durham Magnesian Limestone Plateau
- 16 - Durham Coalfield Pennine Fringe
- 17 - Orton Fells
- 18 - Howgill Fells
- 19 - South Cumbria Low Fells
- 21 - Yorkshire Dales
- 22 - Pennine Dales Fringe
- 23 - Tees Lowlands
- 24 - Vale of Mowbray
- 25 - North York Moors and Cleveland Hills
- 28 - Vale of York
- 30 - Southern Magnesian Limestone

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Proposed Turbine Location 10 km Interval Buffer
- Proposed Turbine Location 45 km Study Area
- National Landscape Character Areas

Blade Tip Zone of Theoretical Visibility (ZTV) Bare Earth

Number of Blade Tips Theoretically Visible

- 1 - 4
- 5 - 9
- 10 - 15
- 16 - 20
- 21 - 23

This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension using the assumptions detailed in the infobox below. The digital terrain model (DTM) has the following accuracy: OS Terrain 5 dataset (+/-2 m) up to 30 km from turbine locations and OS Terrain 50 dataset (+/- 10 m) up to 60 km from turbine locations. The ZTV view height of 2 m above ground level is recommended by "Visual Representation of Windfarms" by NatureScot February 2017 - Version 2.2. The ZTV is generated from a bare earth terrain and does not account for the screening effect of features within the landscape such as settlements and woodland. The ZTV shows potential theoretical visibility only and is for informing 'on the ground' visual assessment.

Blade tip:	200 m	Observer height:	2 m
DTM:	OS Terrain 5 and 50	Surface features:	Included
DTM resolution:	5 m	Earth curvature:	Included



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

LANDSCAPE AND VISUAL

NATIONAL LANDSCAPE CHARACTER WITH BLADE TIP ZTV BARE EARTH

FIGURE 5.6

Scale	Date
1:350,000 @ A3	MAY 2026

0 10 20 Kilometres

414.063912.00001.0056.1 NLC with Blade Tip ZTV

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380000 390000 400000 410000 420000 430000

530000 520000 510000 500000

20 km

10 km

N

LEGEND

- Site Boundary
- Proposed Turbine Location
- Proposed Turbine Location 10 km Interval Buffer
- County Durham Landscape Character Areas
- North Yorkshire Landscape Character Areas

Blade Tip Zone of Theoretical Visibility (ZTV) Bare Earth

Number of Blade Tips Theoretically Visible

- 1 - 4
- 5 - 9
- 10 - 15
- 16 - 20
- 21 - 23

This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension using the assumptions detailed in the infobox below. The Digital Terrain Model (DTM) has the following accuracy: OS Terrain 5 dataset (+/-2 m) up to 30 km from turbine locations and OS Terrain 50 dataset (+/- 10 m) up to 60 km from turbine locations. The ZTV view height of 2 m above ground level is recommended by "Visual Representation of Windfarms" by NatureScot February 2017 - Version 2.2. The ZTV is generated from a bare earth terrain and does not account for the screening effect of features within the landscape such as settlements and woodland. The ZTV shows potential theoretical visibility only and is for informing 'on the ground' visual assessment.

Blade tip:	200 m	Observer height:	2 m
DTM:	OS Terrain 5 and 50	Surface features:	Included
DTM resolution:	10 m	Earth curvature:	Included



County Durham Landscape Character Areas

1. North Pennines
2. Dales Fringe
3. Tees Lowlands
4. West Durham Coalfield

North Yorkshire Landscape Character Areas

1. Urban Landscapes
7. Yoredale Moors and Fells
9. Farmed Dale
13. Moors Fringe
24. River Floodplain
27. Vale Farmland with Dispersed Settlements
33. Gritstone High Plateau
34. Gritstone High Moors and Fells
36. Gritstone Valley

0 5 10

Kilometres

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

LANDSCAPE AND VISUAL

LANDSCAPE CHARACTER WITH BLADE TIP ZTV BARE EARTH (DETAILED AREA)

FIGURE 5.7

Scale	Date
1:180,000 @ A3	MAY 2026

414.063912.00001.0057.1 LCA with Blade Tip ZTV

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360000 380000 400000 420000 440000 460000

540000 520000 500000

414.063912.00001.0058.1 Designations with Blade Tip ZTV

N

40 km 30 km 20 km 10 km

Corby Castle
Hutton-In-The-Forest
The Image Garden
Dalemain
The English Lake District
Appleby Castle
Lake District National Park
Queen'S Garden
Sizergh Castle
Levens Hall
Dallam Tower
Arnside & Silverdale
Capernwray Hall
Lancaster Cemetery
Ashton Memorial Gardens And Williamson Park
Forest Of Bowland
Parcevall Hall
Yorkshire Dales National Park
North Pennines AONB
Lambton Castle
Lumley Castle
Durham
Old Durham Gardens
Durham Castle and Cathedral
Pasmore Pavilion
Burn Hall
Croxdale Hall
Brancepeth Castle
The Castle, Castle Eden
Ward Jackson Park
Auckland Castle Park
Hardwick Park
Ceddesfeld Hall Gardens
Ramshaw Hall Garden
Wynyard Park
Windlestone Hall
Raby Castle
Albert Park
Lartington Hall
West Cemetery, Darlington
Ropner Park
Landscape At Cummins Engine Factory, Darlington
Bowes Museum
Forcett Hall
Rokeby Park
South Park, Darlington
Garden At Tudor Croft, Guisborough
Middleton Lodge
Aske Hall
Arncliffe Hall
Temple Grounds
St Nicholas, Richmond
Hornby Castle Park
Constable Burton Hall
North York Moors
Thorp Perrow
Rievaulx Terrace
Duncombe Park
Swinton Castle
Norton Conyers
Newburgh Priory
Gilling Castl
Hackfall
Studley Royal Park including the ruins of Fountains Abbey WHS
Howardian Hills
Nidderdale
Japanese Garden At Grantley Hall
Studley Royal
Newby Hall
Ripley Castle
Allerton P...
Beningbrough Hall

0 10 20 Kilometres

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Proposed Turbine Location 10 km Interval Buffer
- Proposed Turbine Location 45 km Study Area
- World Heritage Site
- Registered Parks & Gardens
- Heritage Coast
- National Landscape (previously AONB)
- National Park
- Areas of Higher Landscape Value

Blade Tip Zone of Theoretical Visibility (ZTV) Bare Earth

Number of Blade Tips Theoretically Visible

- 1 - 4
- 5 - 9
- 10 - 15
- 16 - 20
- 21 - 23

This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension using the assumptions detailed in the infobox below. The Digital Terrain Model (DTM) has the following accuracy: OS Terrain 5 dataset (+/-2 m) up to 30 km from turbine locations and OS Terrain 50 dataset (+/- 10 m) up to 60 km from turbine locations. The ZTV view height of 2 m above ground level is recommended by "Visual Representation of Windfarms" by NatureScot February 2017 - Version 2.2. The ZTV is generated from a bare earth terrain and does not account for the screening effect of features within the landscape such as settlements and woodland. The ZTV shows potential theoretical visibility only and is for informing 'on the ground' visual assessment.

Blade tip:	200 m	Observer height:	2 m
DTM:	OS Terrain 5 and 50	Surface features:	Excluded
DTM resolution:	10 m	Earth curvature:	Included



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

LANDSCAPE AND VISUAL

LANDSCAPE DESIGNATIONS WITH BLADE TIP ZTV BARE EARTH

FIGURE 5.8

Scale	Date
1:350,000 @ A3	MAY 2026

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360000 380000 400000 420000 440000 460000

540000 520000 500000

N

40 km 30 km 20 km 10 km

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Proposed Turbine Location 10 km Interval Buffer
- Proposed Turbine Location 45 km Study Area
- Railway Track
- Motorway
- Primary Road
- A Road
- B Road
- Canal

Blade Tip Zone of Theoretical Visibility (ZTV) Bare Earth

Number of Blade Tips Theoretically Visible

- 1 - 4
- 5 - 9
- 10 - 15
- 16 - 20
- 21 - 23

This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension using the assumptions detailed in the infobox below. The Digital Terrain Model (DTM) has the following accuracy: OS Terrain 5 dataset (+/-2 m) up to 30 km from turbine locations and OS Terrain 50 dataset (+/- 10 m) up to 60 km from turbine locations. The ZTV view height of 2 m above ground level is recommended by "Visual Representation of Windfarms" by NatureScot February 2017 - Version 2.2. The ZTV is generated from a bare earth terrain and does not account for the screening effect of features within the landscape such as settlements and woodland. The ZTV shows potential theoretical visibility only and is for informing 'on the ground' visual assessment.

Blade tip:	200 m	Observer height:	2 m
DTM:	OS Terrain 5 and 50	Surface features:	Excluded
DTM resolution:	10 m	Earth curvature:	Included



0 10 20 Kilometres

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

LANDSCAPE AND VISUAL

TRANSPORTATION PRINCIPAL VISUAL RECEPTORS WITH BLADE TIP ZTV BARE EARTH

FIGURE 5.9

Scale	Date
1:350,000 @ A3	MAY 2026

414.063912.00001.0107.1 Transport PVR Blade Tip ZTV

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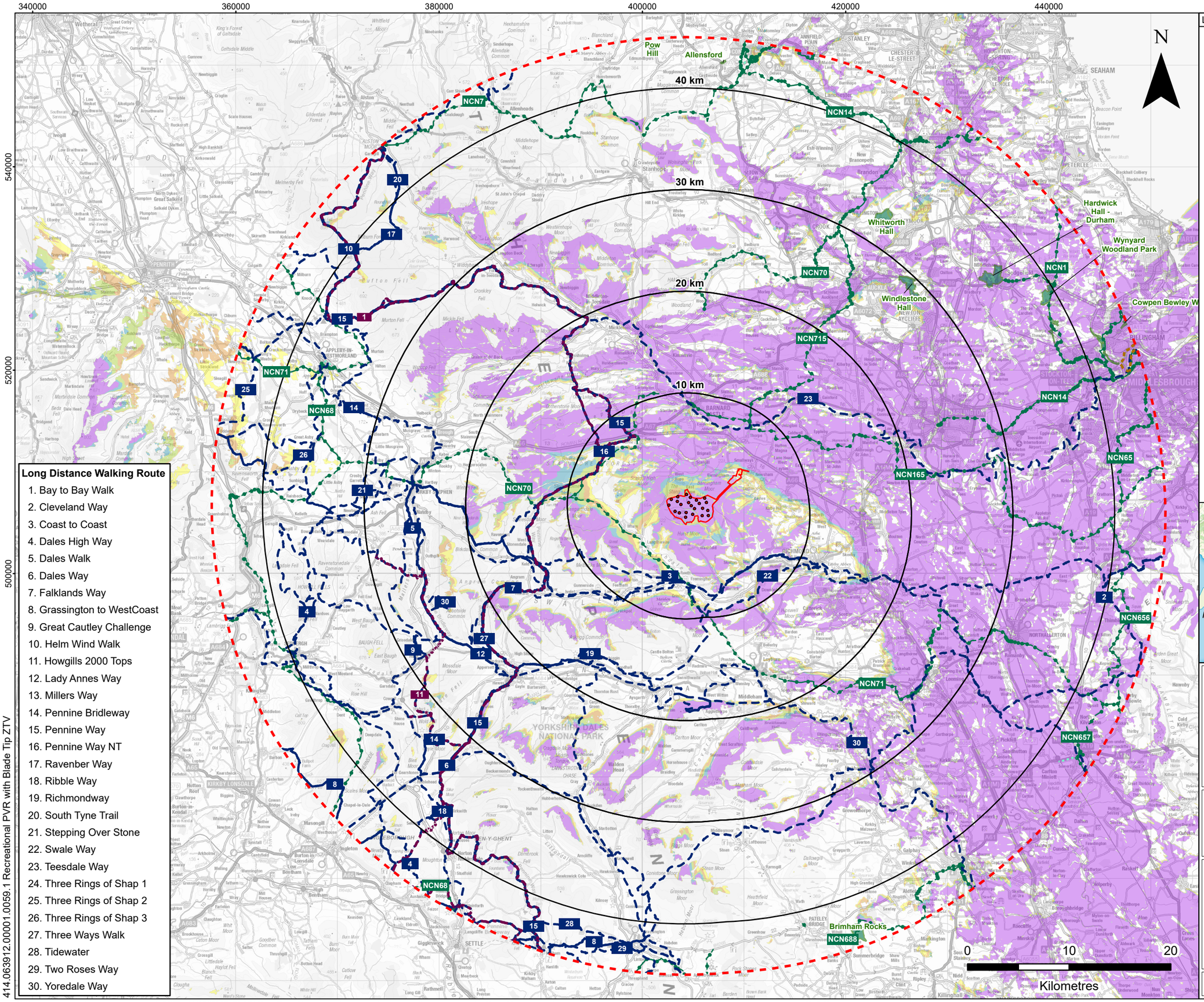

Long Distance Walking Route

1. Bay to Bay Walk
2. Cleveland Way
3. Coast to Coast
4. Dales High Way
5. Dales Walk
6. Dales Way
7. Falklands Way
8. Grassington to WestCoast
9. Great Cautley Challenge
10. Helm Wind Walk
11. Howgills 2000 Tops
12. Lady Annes Way
13. Millers Way
14. Pennine Bridleway
15. Pennine Way
16. Pennine Way NT
17. Ravenber Way
18. Ribble Way
19. Richmondway
20. South Tyne Trail
21. Stepping Over Stone
22. Swale Way
23. Teesdale Way
24. Three Rings of Shap 1
25. Three Rings of Shap 2
26. Three Rings of Shap 3
27. Three Ways Walk
28. Tidewater
29. Two Roses Way
30. Yoredale Way

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Proposed Turbine Location 10 km Interval Buffer
- Proposed Turbine Location 45 km Study Area
- National Cycle Route
- National Cycle Link Route
- National Trail
  - 1. Pennine Way
  - 11. Pennine Bridleway
- Coastal Path
- Long Distance Walking Route
- Country Park

Blade Tip Zone of Theoretical Visibility (ZTV) Bare Earth

Number of Blade Tips Theoretically Visible

- 1 - 4
- 5 - 9
- 10 - 15
- 16 - 20
- 21 - 23

Blade tip:	200 m	Observer height:	2 m
DTM:	OS Terrain 5 and 50	Surface features:	Excluded
DTM resolution:	10 m	Earth curvature:	Included



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM SCOPING REPORT

LANDSCAPE AND VISUAL

RECREATIONAL PRINCIPAL VISUAL RECEPTORS WITH BLADE TIP ZTV BARE EARTH

FIGURE 5.10

Scale	Date
1:350,000 @ A3	MAY 2026

414.063912.00001.0059.1 Recreational PVR with Blade Tip ZTV

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397500 400000 402500 405000 407500 410000 412500

512500 510000 507500 505000

5 km
4 km
3 km
2 km
1 km

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21 T22 T23

N

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Proposed Turbine Location 1 km Buffer
- Public Right Of Way (PRoW)

Blade Tip Zone of Theoretical Visibility (ZTV) Bare Earth

Number of Blade Tips Theoretically Visible

- 1 - 4
- 5 - 9
- 10 - 15
- 16 - 20
- 21 - 23

Blade tip:	200 m	Observer height:	2 m
DTM:	OS Terrain 5 and 50	Surface features:	Excluded
DTM resolution:	10 m	Earth curvature:	Included

0 1.25 2.5
Kilometres

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

LANDSCAPE AND VISUAL

PRINCIPAL VISUAL RECEPTORS PUBLIC RIGHT OF WAY WITH BLADE TIP ZTV

FIGURE 5.11

Scale	Date
1:50,000 @ A3	MAY 2026

414.063912.00001.0114.1 PRoW PVR Blade Tip

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360000 380000 400000 420000 440000 460000

540000 520000 500000

414.063912.00001.0060.1 Cumulative Wind Farms

N

Boundary Lane
Greencroft Estate
40 km
Tow Law
Tow Law
Langley Moor
Southern Law
High Hedley Hope Extension
West Durham
30 km
Broom Hill Farm
MME3, Plot DC1, Integra 61
Trimdon Grange
Butterwick Moor
Walkway
20 km
Red Gap Moor
Lambs Hill
10 km
Moor House
Hambleton
Stockton on Tees
Aygill Intake

0 10 20
Kilometres

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Proposed Turbine Location 10 km Interval Buffer
- Proposed Turbine Location 45 km Study Area

Wind Farm Status

Source: Renewable Energy Planning Database (Department for Energy Security and Net Zero, updated April 2026)

- Operational
- Consented
- Application / Appeal



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

LANDSCAPE AND VISUAL

CUMULATIVE WIND FARMS

FIGURE 5.12

Scale 1:350,000 @ A3

Date MAY 2026

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Viewpoint Location

VP1 - How Tallon round barrow and cup marked stones (1010540)

VP2 - Cairn on the summit of Arndale Hill, Hope Moor (1017426)

VP3 - Cairn near the summit of a low ridge, 850m south west of Cocker Stake Nook, Hope Moor (1017427)

VP4 - Prehistoric settlement and associated remains including carved rocks and a stone circle 400m north west of How Tallon Cairn, Barningham Moor (1017441)

VP5 - Prehistoric carved rocks and associated remains including cairns and a field system 800m south of Haythwaite, Barningham Moor (1017442)

VP6 - Cairn south of Cross Gill, 645m south east of Black Hill Gate, Barningham Moor (1017444)

VP7 - Cairnfield on a small knoll at Badger Way Stoop, Barningham Moor (1017445)

VP8 - Cairn on Holgate How (1014347)

VP9 - Ring cairn on Gayles Plantation, 390m ENE of Shooters Well (1014329)

VP10 - A cup marked rock with 13 cups and a groove, on a knoll in Scale Knoll Allotment, 700m north east of Black Hill Gate, Barningham Moor (1017410)

395000 400000 405000 410000 415000

515000 510000 505000

Figure 7.1.2

Figure 7.1.3

Barningham Conservation Area

Swaledale and Arkengarthdale barns and walls Conservation Area

Rokeby Park Registered Park and Garden

Aske Hall Registered Park and Garden

N

0 2.5 5 Kilometres

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Proposed Turbine Location 5 km Buffer
- Proposed Turbine Location 10 km Buffer

Listed Building (Grade)

- I
- II*
- II
- Schedule Monument Scoped In the Assessment
- Schedule Monument Scoped Out of Assessment
- Scheduled Monument
- Conservation Area
- Registered Park and Garden
- Viewpoint Location

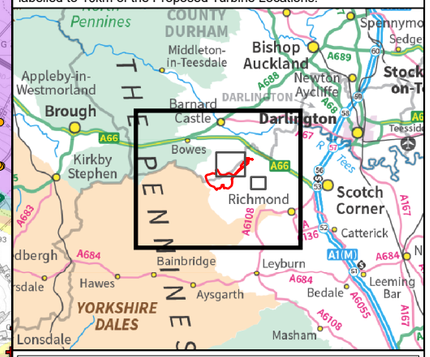
Blade Tip Zone of Theoretical Visibility (ZTV) Bare Earth

Number of Blade Tips Theoretically Visible

- 1 - 4
- 5 - 9
- 10 - 15
- 16 - 20
- 21 - 23

Note

Only Grade II Listed Buildings, Conservation Areas, and Grade II Registered Parks and Gardens are Labelled to 5km of the Proposed Turbine Locations. Only Grade I and II* Listed Buildings, Scheduled Monuments, and Grade I and II* Registered Parks and Gardens are labelled to 10km of the Proposed Turbine Locations.



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ARCHAEOLOGY & CULTURAL HERITAGE

DESIGNATED HERITAGE ASSETS

FIGURE 6.1.1

Scale	Date
1:85,000 @ A3	MAY 2026

Note

This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension. The digital terrain model (DTM) has been derived from OS Terrain 5 dataset (+/-2 m). Earth curvature has been included in the ZTV calculation and refraction of light has been applied using SNH guidance settings. The ZTV has been generated from a viewing height of 2m above ground level which falls within recommendations by "Visual Representation of Windfarms" prepared for Scottish Natural Heritage (SNH) February 2017 - Version 2.2.

The use of ZTV mapping at this stage is limited and the following assumptions should be noted:

- The ZTV has been generated using the proposed turbine locations for Hope Moor Wind Farm.
- The proposed turbine blade tip heights of 200 m have been used for generating the ZTV.
- The ZTV is generated from a bare earth terrain and does not account for the screening effect of features within the landscape such as settlements and woodland. It does not indicate potential visual effects or show the likely significance of effects. It shows potential theoretical visibility only. The ZTV has been produced for the purpose of informing 'on the ground' visual assessment.

414.063912.00001.0069.1 Designated Heritage

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405000 406000 407000 408000 409000

511000 510000 509000

N

LEGEND

- Scoping Boundary
- Proposed Turbine Location

Listed Building (Grade)

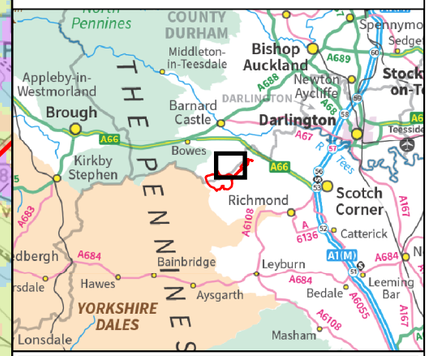
- II*
- II
- Schedule Monument Scoped In the Assessment
- Schedule Monument Scoped Out of Assessment
- Scheduled Monument
- Conservation Area
- Viewpoint Location

Blade Tip Zone of Theoretical Visibility (ZTV) Bare Earth

Number of Blade Tips Theoretically Visible

- 1 - 4
- 5 - 9
- 10 - 15
- 16 - 20
- 21 - 23

Note
Only Grade II Listed Buildings, Conservation Areas, and Grade II Registered Parks and Gardens are labelled to 5km of the Proposed Turbine Locations.
Only Grade I and II* Listed Buildings, Scheduled Monuments, and Grade I and II* Registered Parks and Gardens are labelled to 10km of the Proposed Turbine Locations.



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ARCHAEOLOGY & CULTURAL HERITAGE

DESIGNATED HERITAGE ASSETS

FIGURE 6.1.2

Scale	Date
1:15,000 @ A3	MAY 2026

0 0.5 1 Kilometres

414.063912.00001.0104.1 DH Inset B

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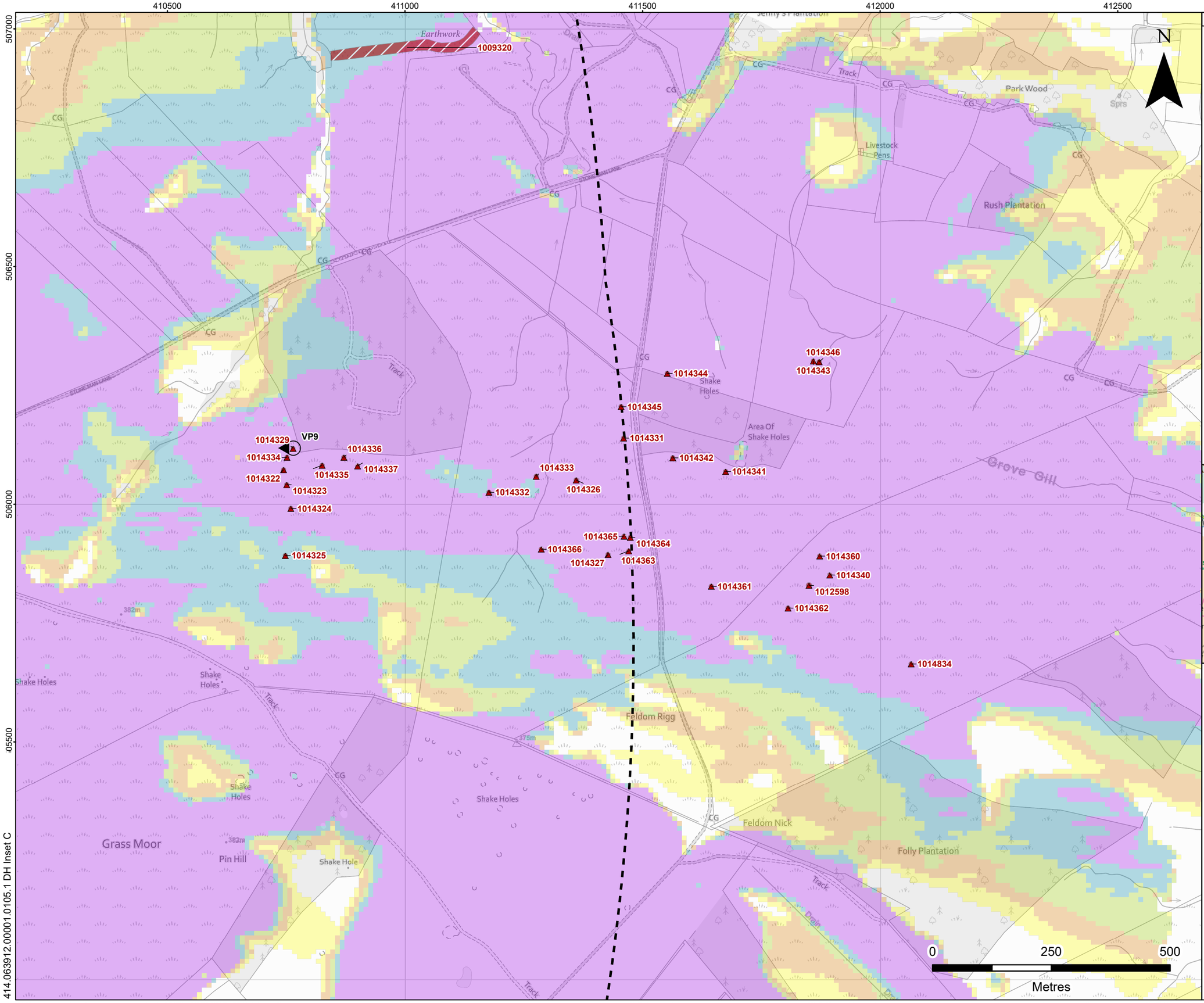


LEGEND

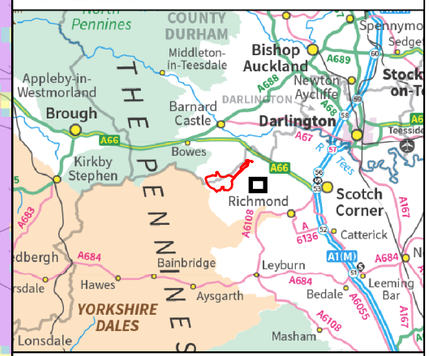
- Proposed Turbine Location 5 km Buffer
- Schedule Monument Scoped In the Assessment
- Scheduled Monument
- Viewpoint Location

Blade Tip Zone of Theoretical Visibility (ZTV) Bare Earth

Number of Blade Tips Theoretically Visible

- 1 - 4
- 5 - 9
- 10 - 15
- 16 - 20
- 21 - 23

Note
Only Grade II Listed Buildings, Conservation Areas, and Grade II Registered Parks and Gardens are Labelled to 5km of the Proposed Turbine Locations.
Only Grade I and II* Listed Buildings, Scheduled Monuments, and Grade I and II* Registered Parks and Gardens are labelled to 10km of the Proposed Turbine Locations.



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ARCHAEOLOGY & CULTURAL HERITAGE

DESIGNATED HERITAGE ASSETS

FIGURE 6.1.3

Scale	Date
1:7,500 @ A3	MAY 2026

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402000 404000 406000 408000 410000

510000 508000 506000

414.063912.00001.0070.1 Non-Designated

LEGEND

- Scoping Boundary
- Scoping Boundary 1 km Buffer
- Proposed Turbine Location
- Scheduled Monument Centrepoint
- Scheduled Monument

Historic Environment Record Location

- Prehistoric
- Romano-British
- Medieval
- Post-medieval
- Modern
- Undated

Historic Environment Records Linear

- Post-medieval

Historic Environment Records Polygon

- Prehistoric
- Post-medieval

Elevation (m)

- 0 - 200
- 200 - 300
- 300 - 400
- 400 - 450
- 450 - 550

Note
Only Scheduled Monuments within the 1 km buffer are labelled.

N

0 1 2 Kilometres

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ARCHAEOLOGY & CULTURAL HERITAGE

NON-DESIGNATED HERITAGE ASSETS

FIGURE 6.2

Scale 1:32,000 @ A3

Date MAY 2026

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390000 400000 410000 420000

520000

510000

N

North Pennine Moors SAC
Kilmond Scar SSSI
God's Bridge SSSI
Sleightholme Beck Gorge - The Troughs SSSI
Brignall Banks SSSI
North Pennine Moors SAC
Bowes Moor SSSI
North Pennine Moors SAC
North Pennine Dales Meadows SAC
Shaw Beck Gill SSSI
Arkle Beck Meadows, Whaw SSSI
Fothering Holme SSSI
Arkengarthdale, Gunnerside and Reeth Moors SSSI
Gingerfields SSSI
Lower Swaledale Woods and Grasslands SSSI
North Pennine Moors SAC
Park Hall Meadows, Healaugh SSSI
Feetham Holme SSSI
Lovely Seat - Stainton Moor SSSI

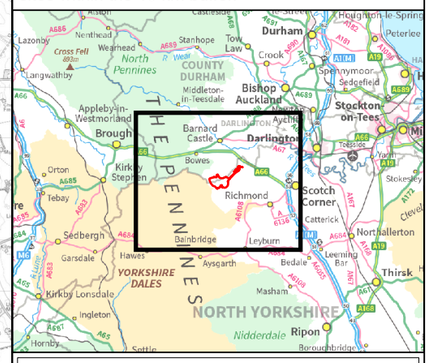
BARNARD CASTLE
RICHMOND

0 5 10
Kilometres

LEGEND

- Scoping Boundary
- Scoping Boundary 10 km Buffer
- Special Area of Conservation (SAC)
- Site of Special Scientific Interest (SSSI)
- Local Nature Reserve (LNR)

Note
Only designations within the 10 km buffer are labelled.
There are no RAMSAR or National Nature Reserves sites within the 10 km buffer.



Fred.Olsen Renewables

HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ECOLOGY

STATUTORY DESIGNATIONS WITHIN 10 KM

FIGURE 7.1

Scale 1:120,000 @ A3

Date MAY 2026

414.063912.00001.0062.1 Statutory Designations Within 10 km 500000

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400000 404000 408000 412000

512000 508000

414.063912.00001.0063.1 Designated Sites within 2km

LEGEND

- Scoping Boundary
- Scoping Boundary 2 km Buffer
- Proposed Turbine Location
- Local Environmental Record Centre (LERC) Boundary
- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Site of Special Scientific Interest (SSSI)
- North Yorkshire Site of Importance for Nature Conservation (SINC)
- Durham Local Wildlife Site (LWS)

N

Brignall Banks SSSI

Shaw Beck Gill SSSI

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21 T22 T23

Hud Scar/Hope Scar LWS

Hud Scar/Hope Scar LWS

Lockey Wood SINC

Low Easegill Grassland SINC

Moresdale Beck Grassland SINC

Rispey Gill SINC

Lummas House Meadows SINC

Hurst Complex SINC

Tongue Hill Meadows SINC

Shaw Beck Mines SINC

Mine Spoil Heaps Near Prys Lead Mine SINC

East Bank SINC

Waitgate Pastures SINC

Dicky Edge SINC

Marske Pasture SINC

Dalton Beck Grasslands SINC

North East North and East Yorkshire

0 2 4 Kilometres

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SCOPING REPORT

ECOLOGY

DESIGNATED SITES WITHIN 2 KM

FIGURE 7.2

Scale 1:40,000 @ A3

Date MAY 2026

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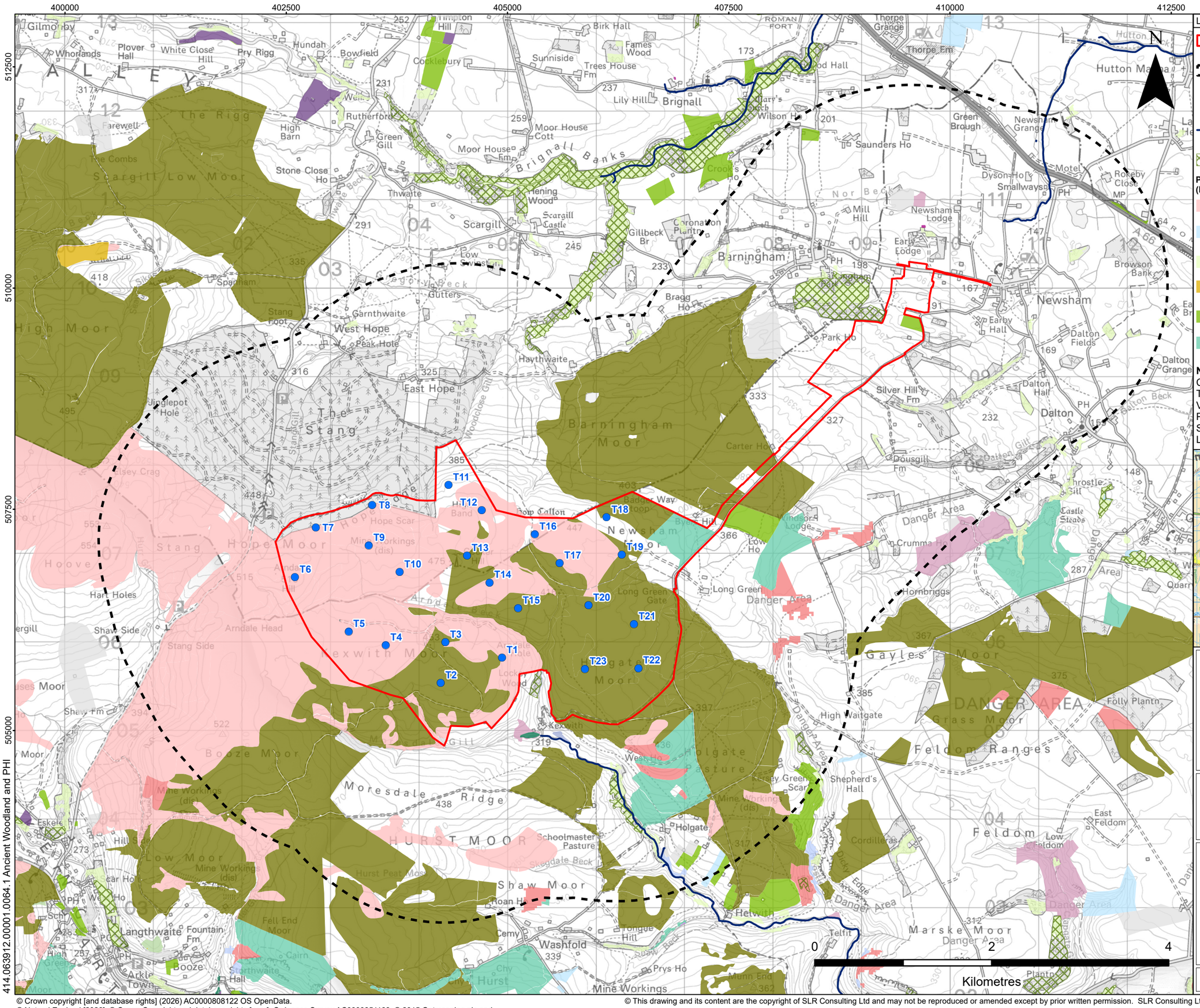


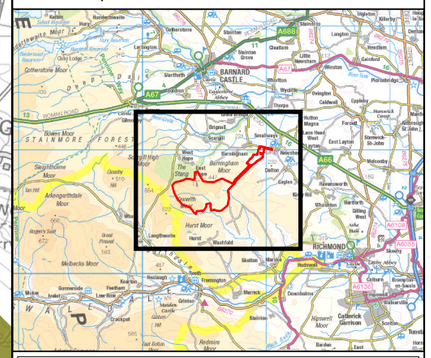
LEGEND

- Scoping Boundary
- Scoping Boundary 2 km Buffer
- Proposed Turbine Location
- Priority River Habitat (Natural England)
- Ancient Woodland Inventory

Priority Habitat Inventory (Natural England)

- Blanket Bog
- Coastal and Floodplain Grazing Marsh
- Deciduous Woodland
- Fragmented Heath
- Good Quality Semi Improved Grassland
- Grass Moorland
- Lowland Calcareous Grassland
- Lowland Fen
- Lowland Heathland
- Lowland Meadow
- No Main Habitat but Additional Habitats Present
- Purple Moor Grass and Rush Pasture
- Traditional Orchard
- Upland Calcareous Grassland
- Upland Flush Fen and Swamp
- Upland Hay Meadow
- Upland Heathland

Note
Creator: Natural England
Title: Priority Habitats Inventory (England)
Version: 18 November 2025
Publisher: Defra Group / Natural England
Source: Natural England Open Data Geoportal
Licence: Open Government Licence v3.0



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HOPE MOOR WIND FARM
SCOPING REPORT

ECOLOGY

ANCIENT WOODLAND AND PRIORITY HABITAT INVENTORY WITHIN 2 KM

FIGURE 7.3

Scale	Date
1:40,000 @ A3	MAY 2026

414.063912.00001.0064.1 Ancient Woodland and PHI

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404000 406000 408000 410000

510000 508000 506000

414.063912.00001.0065.1 Habitats

Scargill
Barningham
Stang Foot
Moor Lane
Moresdale Road

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21 T22 T23

N

0 1 2
Kilometres

LEGEND

Scoping Boundary
Proposed Turbine Location
No Survey Access Area

Primary Habitat Classification

Rivers and Lakes
r2a - Rivers (Priority Habitat)

Cropland
c1c - Cereal Crops

Grassland
g1b6 - Other Upland Acid Grassland
g1c - Bracken
g3c - Other Neutral Grassland
g3c5 - Arrhenatherum Neutral Grassland
g3c7 - Deschampsia Neutral Grassland
g3c8 - Holcus-Juncus Neutral Grassland
g4 - Modified Grassland

Heathland
h1b - Upland Heathland
h1b5 - Dry Heaths; Upland (H4030)
h1b6 - Wet Heathland with Cross-Leaved Heath; Upland (H4010)

Heathland and Shrub
h3e - Gorse Scrub
h3f - Hawthorn Scrub
h3h - Mixed Scrub

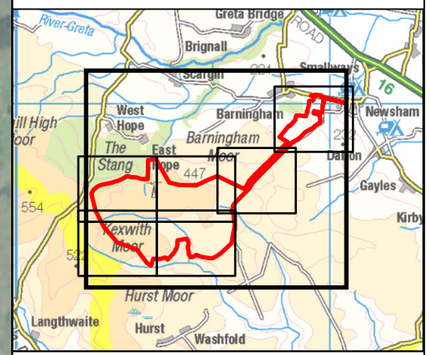
Rivers and Lakes
r1 - Standing Open Water and Canal

Sparsely Vegetated Land
s1a - Inland Rock Outcrop and Scree Habitats
s1d - Other Inland Rock and Scree

Urban
u1 - Built-up Area and Garden
u1b5 - Building
u1c - Artificial Unvegetated, Unsealed Surface

Wetland
f1a - Blanket Bog
f1a5 - Blanket Bog (H7130)
f1a6 - Degraded Blanket Bog
f2 - Fen Marsh and Swamp
f2b - Purple Moor Grass and Rush Pastures
f2c - Upland Flushes Fens and Swamps
f2f - Other Wetlands

Woodland and Forest
w1g - Other Woodland; Broadleaved
w1g7 Other broadleaved woodland types
w1h - Other Woodland; Mixed
w1h6 - Other Woodland; Mixed; Mainly Conifer
w2c - Other Coniferous Woodland



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ECOLOGY

UK HABITAT CLASSIFICATION

FIGURE 7.4.1

Scale 1:25,000 @ A3

Date MAY 2026

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402000 402500 403000 403500 404000

508000 507500 507000

N

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- No Survey Access Area

Primary Habitat Classification

Rivers and Lakes
- r2a - Rivers (Priority Habitat)

Grassland
- g1b6 - Other Upland Acid Grassland
- g1c - Bracken

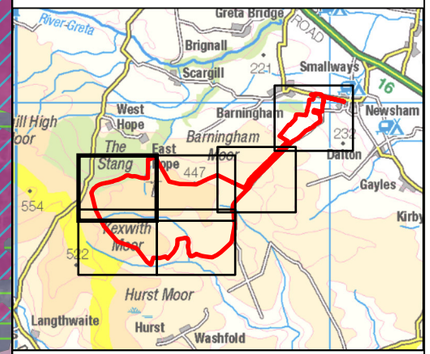
Heathland
- h1b - Upland Heathland
- h1b5 - Dry Heaths; Upland (H4030)
- h1b6 - Wet Heathland with Cross-Leaved Heath; Upland (H4010)

Sparsely Vegetated Land
- s1a - Inland Rock Outcrop and Scree Habitats
- s1d - Other Inland Rock and Scree

Urban
- u1 - Built-up Area and Garden
- u1c - Artificial Unvegetated, Unsealed Surface

Wetland
- f1a - Blanket Bog
- f1a5 - Blanket Bog (H7130)
- f1a6 - Degraded Blanket Bog
- f2 - Fen Marsh and Swamp
- f2b - Purple Moor Grass and Rush Pastures
- f2c - Upland Flushes Fens and Swamps
- f2f - Other Wetlands

Woodland and Forest
- w2c - Other Coniferous Woodland



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HOPE MOOR WIND FARM
SCOPING REPORT

ECOLOGY

UK HABITAT CLASSIFICATION

FIGURE 7.4.2

Scale	Date
1:7,500 @ A3	MAY 2026

0 250 500 Metres

414.063912.00001.0065.1 Habitats

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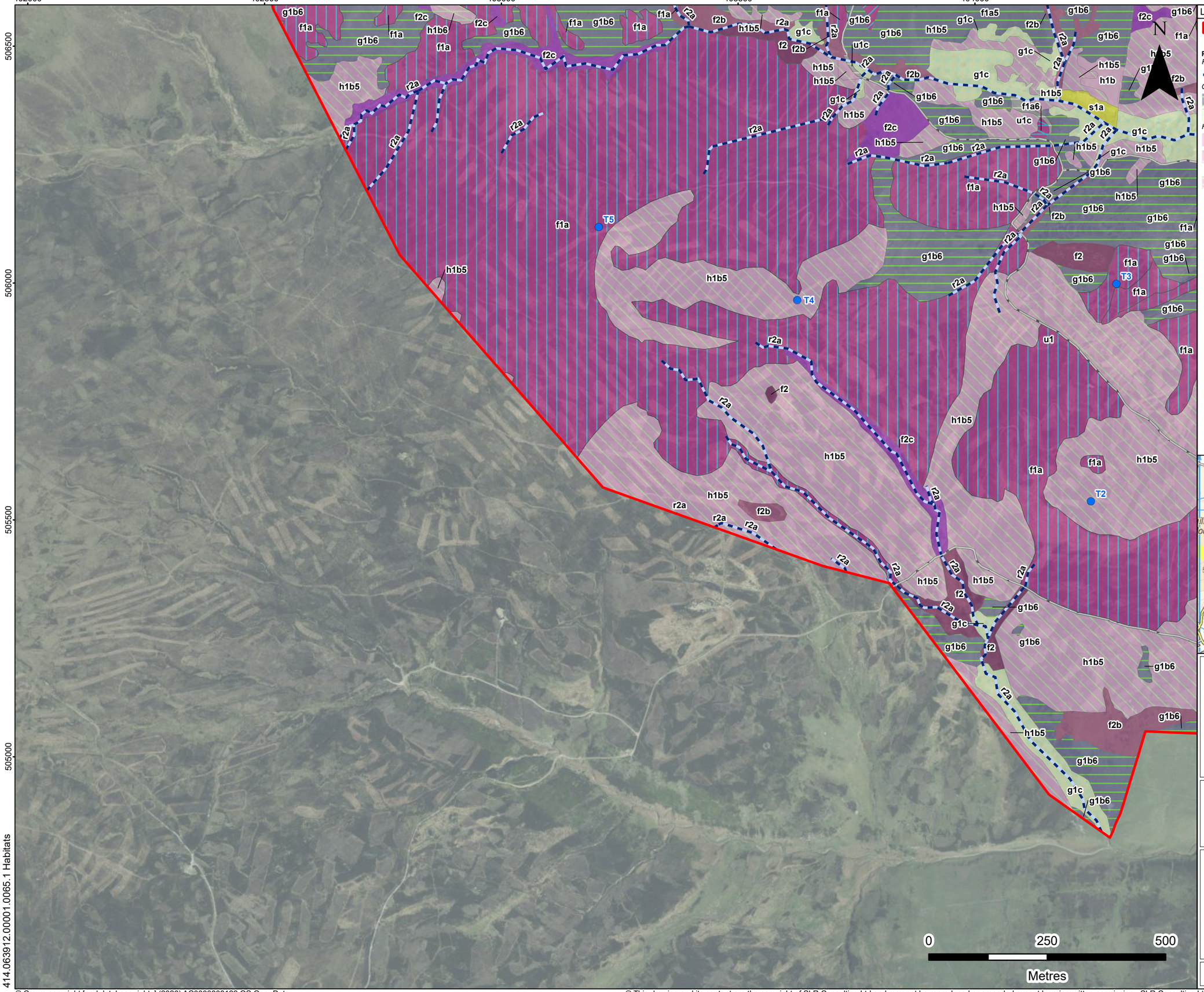
402000 402500 403000 403500 404000

506500 506000 505500 505000

414.063912.00001.0065.1 Habitats



LEGEND

- Scoping Boundary
- Proposed Turbine Location

Primary Habitat Classification

Rivers and Lakes
- r2a - Rivers (Priority Habitat)

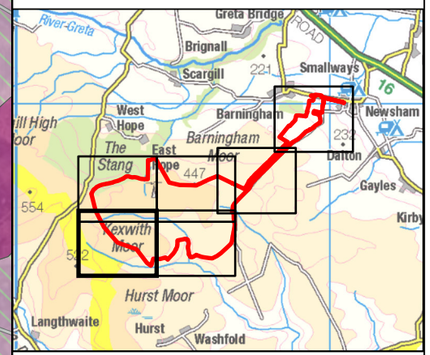
Grassland
- g1b6 - Other Upland Acid Grassland
- g1c - Bracken

Heathland
- h1b - Upland Heathland
- h1b5 - Dry Heaths; Upland (H4030)
- h1b6 - Wet Heathland with Cross-Leaved Heath; Upland (H4010)

Sparsely Vegetated Land
- s1a - Inland Rock Outcrop and Scree Habitats

Urban
- u1 - Built-up Area and Garden
- u1c - Artificial Unvegetated, Unsealed Surface

Wetland
- f1a - Blanket Bog
- f1a5 - Blanket Bog (H7130)
- f1a6 - Degraded Blanket Bog
- f2 - Fen Marsh and Swamp
- f2b - Purple Moor Grass and Rush Pastures
- f2c - Upland Flushes Fens and Swamps



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HOPE MOOR WIND FARM
SCOPING REPORT

ECOLOGY

UK HABITAT CLASSIFICATION

FIGURE 7.4.3

Scale 1:7,500 @ A3

Date MAY 2026

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404500 405000 405500 406000 406500

508000 507500 507000

N

LEGEND

Scoping Boundary
Proposed Turbine Location
No Survey Access Area

Primary Habitat Classification

Rivers and Lakes
r2a - Rivers (Priority Habitat)

Grassland
g1b6 - Other Upland Acid Grassland
g1c - Bracken
g3c - Other Neutral Grassland
g3c5 - Arrhenatherum Neutral Grassland
g4 - Modified Grassland

Heathland
h1b - Upland Heathland
h1b5 - Dry Heaths; Upland (H4030)

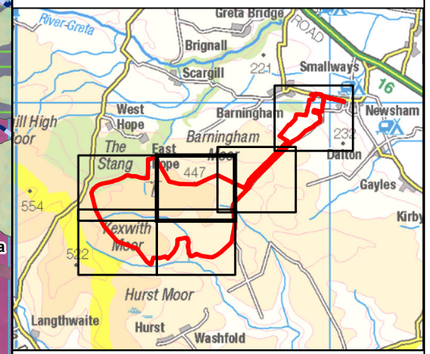
Rivers and Lakes
r1 - Standing Open Water and Canal

Sparsely Vegetated Land
s1d - Other Inland Rock and Scree

Urban
u1 - Built-up Area and Garden
u1b5 - Building

Wetland
f1a - Blanket Bog
f1a5 - Blanket Bog (H7130)
f2 - Fen Marsh and Swamp
f2b - Purple Moor Grass and Rush Pastures
f2c - Upland Flushes Fens and Swamps
f2f - Other Wetlands

Woodland and Forest
w1g7 Other broadleaved woodland types
w2c - Other Coniferous Woodland



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ECOLOGY

UK HABITAT CLASSIFICATION

FIGURE 7.4.4

Scale 1:7,500 @ A3

Date MAY 2026

0 250 500
Metres

414.063912.00001.0065.1 Habitats

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404500 405000 405500 406000 406500

506500 506000 505500 505000

414.063912.00001.0065.1 Habitats

LEGEND

Scoping Boundary
Proposed Turbine Location

Primary Habitat Classification

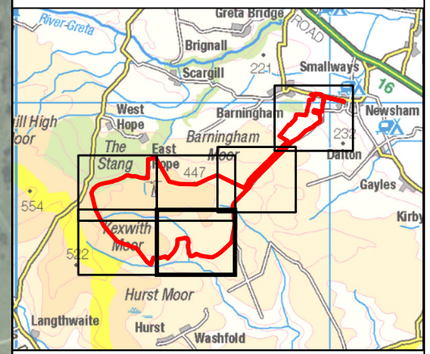
Rivers and Lakes
r2a - Rivers (Priority Habitat)

Grassland
g1b6 - Other Upland Acid Grassland
g1c - Bracken

Heathland
h1b - Upland Heathland
h1b5 - Dry Heaths; Upland (H4030)

Urban
u1 - Built-up Area and Garden
u1b5 - Building

Wetland
f1a - Blanket Bog
f2 - Fen Marsh and Swamp
f2b - Purple Moor Grass and Rush Pastures
f2c - Upland Flushes Fens and Swamps
f2f - Other Wetlands



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ECOLOGY

UK HABITAT CLASSIFICATION

FIGURE 7.4.5

Scale 1:7,500 @ A3

Date MAY 2026

0 250 500
Metres

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406500 407000 407500 408000 408500

508500 508000 507500 507000

414.063912.00001.0065.1 Habitats

N

0 250 500

Metres

LEGEND

Scoping Boundary

No Survey Access Area

Primary Habitat Classification

Rivers and Lakes

r2a - Rivers (Priority Habitat)

Grassland

g1b6 - Other Upland Acid Grassland

g1c - Bracken

g3c - Other Neutral Grassland

g3c5 - Arrhenatherum Neutral Grassland

g3c7 - Deschampsia Neutral Grassland

g3c8 - Holcus-Juncus Neutral Grassland

g4 - Modified Grassland

Heathland

h1b - Upland Heathland

h1b5 - Dry Heaths; Upland (H4030)

Rivers and Lakes

r1 - Standing Open Water and Canal

Urban

u1 - Built-up Area and Garden

Wetland

f1a - Blanket Bog

f1a5 - Blanket Bog (H7130)

f2b - Purple Moor Grass and Rush Pastures

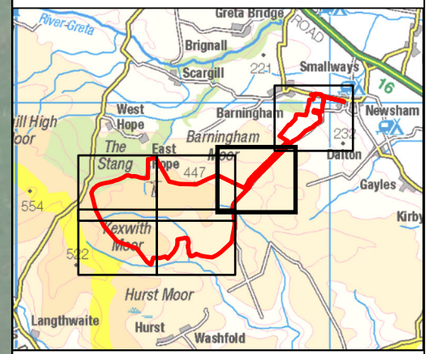
f2c - Upland Flushes Fens and Swamps

f2f - Other Wetlands

Woodland and Forest

w1g7 Other broadleaved woodland types

w2c - Other Coniferous Woodland



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ECOLOGY

UK HABITAT CLASSIFICATION

FIGURE 7.4.6

Scale 1:7,500 @ A3

Date MAY 2026

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408500 409000 409500 410000 410500

510500 510000 509500 509000 414.063912.00001.0065.1 Habitats

Barningham

N

0 250 500
Metres

LEGEND

Scoping Boundary
No Survey Access Area

Primary Habitat Classification

Rivers and Lakes
r2a - Rivers (Priority Habitat)

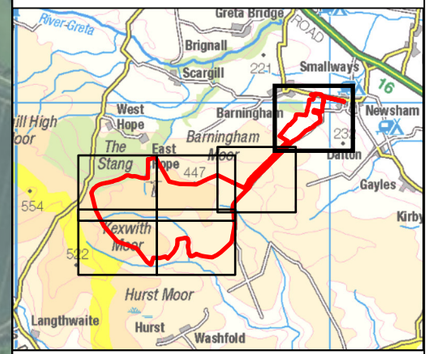
Cropland
c1c - Cereal Crops

Grassland
g1c - Bracken
g3c - Other Neutral Grassland
g3c5 - Arrhenatherum Neutral Grassland
g3c8 - Holcus-Juncus Neutral Grassland
g4 - Modified Grassland

Heathland and Shrub
h3e - Gorse Scrub
h3f - Hawthorn Scrub
h3h - Mixed Scrub

Urban
u1 - Built-up Area and Garden
u1b5 - Building

Woodland and Forest
w1g - Other Woodland; Broadleaved
w1g7 Other broadleaved woodland types
w1h - Other Woodland; Mixed
w1h6 - Other Woodland; Mixed; Mainly Conifer
w2c - Other Coniferous Woodland



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ECOLOGY

UK HABITAT CLASSIFICATION

FIGURE 7.4.7

Scale 1:7,500 @ A3

Date MAY 2026

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380000 390000 400000 410000 420000 430000

530000 520000 510000 500000

414.063912.00001.0066.1 Statutory Designations

Bollihope, Pikestone, Eggleston and Woodland Fells SSSI

Teesdale Allotments SSSI

Upper Teesdale SSSI

Lune Forest SSSI

Cotherstone Moor SSSI

Bowes Moor SSSI

Mallerstang-Swaledale Head SSSI

Arkengarthdale, Gunnerside and Reeth Moors SSSI

North Pennine Moors SPA

Lovely Seat - Stainton Moor SSSI

Swale Lakes SSSI

Brinkburn LNR

Geneva Wood LNR

Foxglove Covert LNR

Ballowfield LNR

Freeholder's Wood & Ridding's Field LNR

LEGEND

- Scoping Boundary
- Scoping Boundary 20 km Buffer
- Special Protection Area (SPA)
- Site of Special Scientific Interest Impact Risk Zone (SSSI IRZ)
- National Nature Reserve (NNR)
- Local Nature Reserve (LNR)

Note
Designations have been filtered to those with Ornithology features.
Only designations within or intersecting with the 20 km buffer are labelled.

0 5 10 Kilometres

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ORNITHOLOGY

STATUTORY DESIGNATIONS WITHIN 20 KM

FIGURE 8.1

Scale 1:175,000 @ A3

Date MAY 2026

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400000 402000 404000 406000 408000 410000

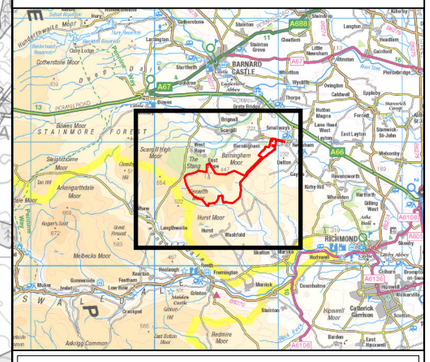
512000 510000 508000 506000

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Vantage Point (VP) Location
- Vantage Point 2 km Viewing Arc
- Area of Theoretical Visibility from VP1
- Area of Theoretical Visibility from VP2
- Area of Theoretical Visibility from VP3

N

Note
This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension. The digital terrain model (DTM) has been derived from OS Terrain 5 dataset (accuracy: 2.5m RMSE). The ZTV has been generated from a viewing height of 1 m above ground level, and a surface offset of 20 m.



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ORNITHOLOGY

FLIGHT ACTIVITY SURVEY AREA
APRIL 2022 - AUGUST 2024

FIGURE 8.2

Scale 1:40,000 @ A3

Date MAY 2026

0 1 2 Kilometres

414.063912.00001.0067.1 Flight Activity Survey Area

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400000 402000 404000 406000 408000 410000

512000 510000 508000 506000

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Breeding Bird Survey Area 2022 and 2023 Breeding Seasons
- Nightjar Survey Area 2022 Breeding Season
- Winter Walkover Survey Area 2022/2023 and 2023/2024 Non-breeding Seasons
- Black Grouse 2022 and 2023 Lekking Seasons
- Scarce Breeding Bird 2022 and 2023 Breeding Seasons

N

0 1 2 Kilometres

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ORNITHOLOGY

BREEDING AND WINTERING BIRD SURVEY AREAS APRIL 2022 - AUGUST 2024

FIGURE 8.3

Scale 1:40,000 @ A3

Date MAY 2026

414.063912.00001.0068.1 Breeding and Wintering Bird

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400000 402000 404000 406000 408000 410000

512000 510000 508000 506000

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21 T22 T23

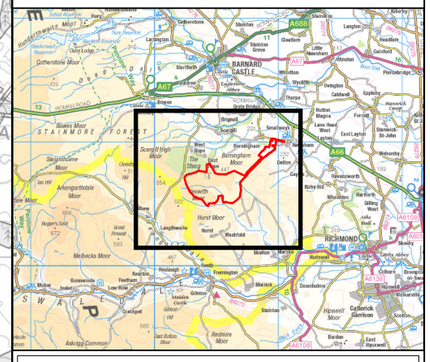
1 2 3 4

N

LEGEND

- Scoping Boundary
- Proposed Turbine Location
- Vantage Point (VP) Location
- Vantage Point 2 km Viewing Arc
- Area of Theoretical Visibility from VP1
- Area of Theoretical Visibility from VP2
- Area of Theoretical Visibility from VP3
- Area of Theoretical Visibility from VP4

Note
This Zone of Theoretical Visibility (ZTV) has been generated using ESRI ArcGIS Spatial Analyst extension. The digital terrain model (DTM) has been derived from OS Terrain 5 dataset (accuracy: 2.5m RMSE). The ZTV has been generated from a viewing height of 1 m above ground level, and a surface offset of 20 m.



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ORNITHOLOGY

FLIGHT ACTIVITY SURVEY AREA 2026 BREEDING SEASON

FIGURE 8.4

Scale 1:40,000 @ A3

Date MAY 2026

0 1 2 Kilometres

414.063912.00001.0109.1 Flight Activity Survey Area 2026

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512000 510000 508000 506000

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21 T22 T23

LEGEND

Scoping Boundary

Proposed Turbine Location

Breeding Season 2026

Breeding Bird Survey Area

Black Grouse Survey Area

Scarce Breeding Bird Survey Area

N

0 1 2 Kilometres

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HOPE MOOR WIND FARM
SCOPING REPORT

ORNITHOLOGY

**BREEDING BIRD SURVEY AREA
2026 BREEDING SEASON**

FIGURE 8.5

Scale 1:40,000 @ A3

Date MAY 2026

414.063912.00001.0110.1 Breeding Bird Survey Area

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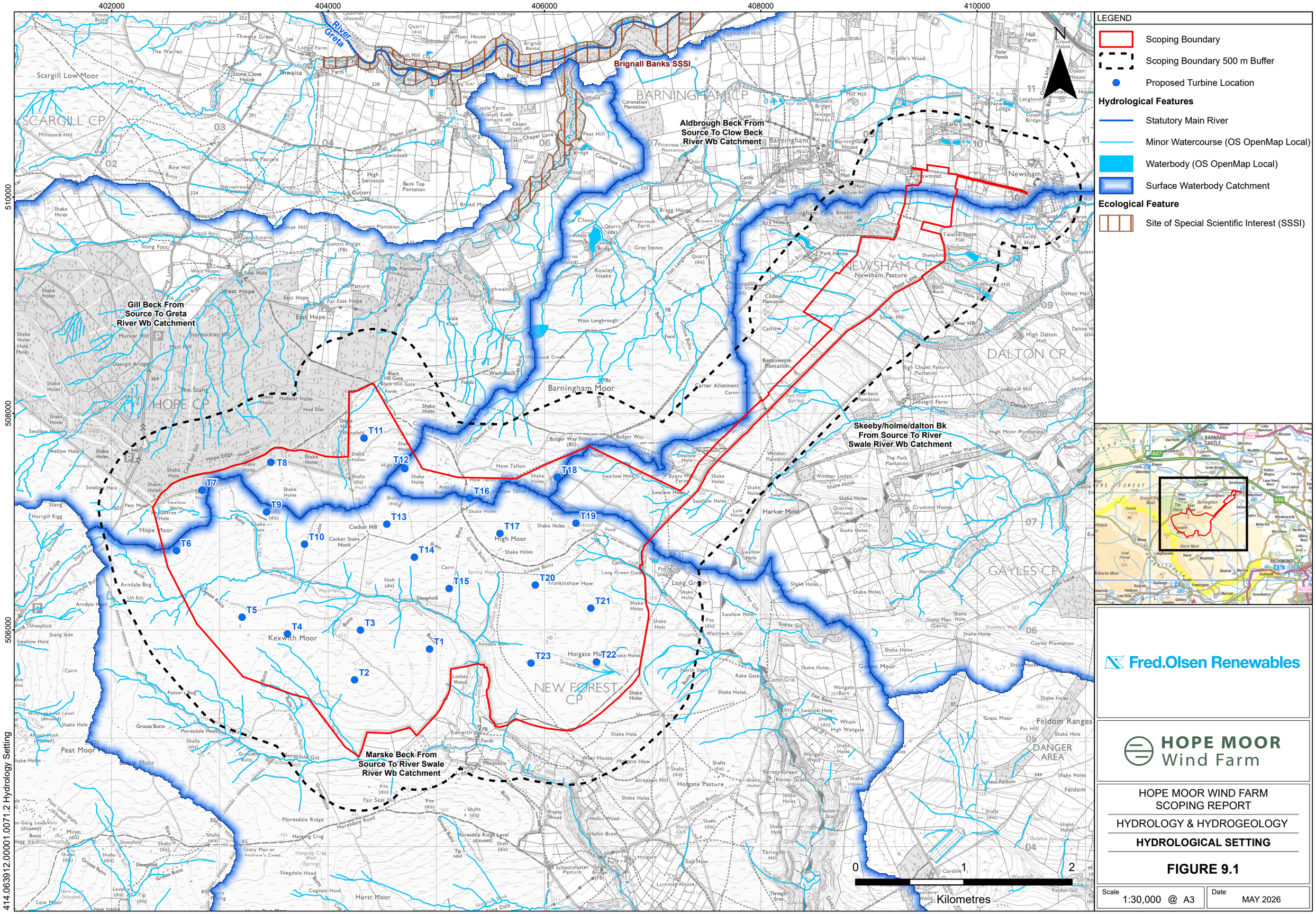

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM SCOPING REPORT

HYDROLOGY & HYDROGEOLOGY

HYDROLOGICAL SETTING

FIGURE 9.1

Scale	Date
1:30,000 @ A3	MAY 2026

414.063912.00001.0071.2 Hydrology Setting

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510000 508000 506000

414.063912.00001.0072.1 Watercourses and Flooding

LEGEND

- Scoping Boundary
- Scoping Boundary 500 m Buffer
- Proposed Turbine Location

Watercourses and Flooding

- Statutory Main River
- Minor Watercourse (OS OpenMap Local)
- Waterbody (OS OpenMap Local)
- Flood Map for Planning (Rivers and Sea) Flood Zone 3
- Flood Map for Planning (Rivers and Sea) Flood Zone 2

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21 T22 T23

0 1 2 Kilometres

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

HYDROLOGY & HYDROGEOLOGY

WATERCOURSES AND FLOODING

FIGURE 9.2

Scale 1:30,000 @ A3

Date MAY 2026

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402000 404000 406000 408000 410000

510000 508000 506000

414.063912.00001.0073.1 Hydrogeological Setting

Tees Carb Limestone & Millstone Grit

SUNO Millstone Grit and Carboniferous Limestone

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21 T22 T23

SCARGILL CP BARNINGHAM CP NEWSHAM CP DALTON CP HOPE CP NEW FOREST CP GAYLES CP

Barningham Moor Kexwith Moor Hope Moor Harker Moss

LEGEND

- Scoping Boundary
- Scoping Boundary 500 m Buffer
- Proposed Turbine Location
- Water Framework Directive (WFD) Groundwater Bodies Cycle 3 Classification 2022

Source Protection Zone (SPZ)

- Zone 1 – Inner Protection Zone (Protective Cover)
- Zone 2 - Outer Protection Zone (Protective Cover)

N

0 1 2 Kilometres

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

HYDROLOGY & HYDROGEOLOGY

HYDROGEOLOGICAL SETTING

FIGURE 9.3

Scale 1:30,000 @ A3

Date MAY 2026

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404000 406000 408000 410000

510000

508000

506000

414.063912.00001.0102.1 Probe Depth

LEGEND

Scoping Boundary

Proposed Turbine Location

Probe Depth (m)

- 0 - 0.3
- 0.3 - 0.4
- 0.4 - 0.5
- 0.5 - 1
- 1 - 1.5
- 1.5 - 2
- 2 - 3
- 3 - 4
- 4 - 5

N

0 1 2 Kilometres

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

GEOLOGY AND GROUND CONDITIONS

PEAT DEPTH INTERPOLATION

FIGURE 10.1

Scale 1:25,000 @ A3

Date MAY 2026

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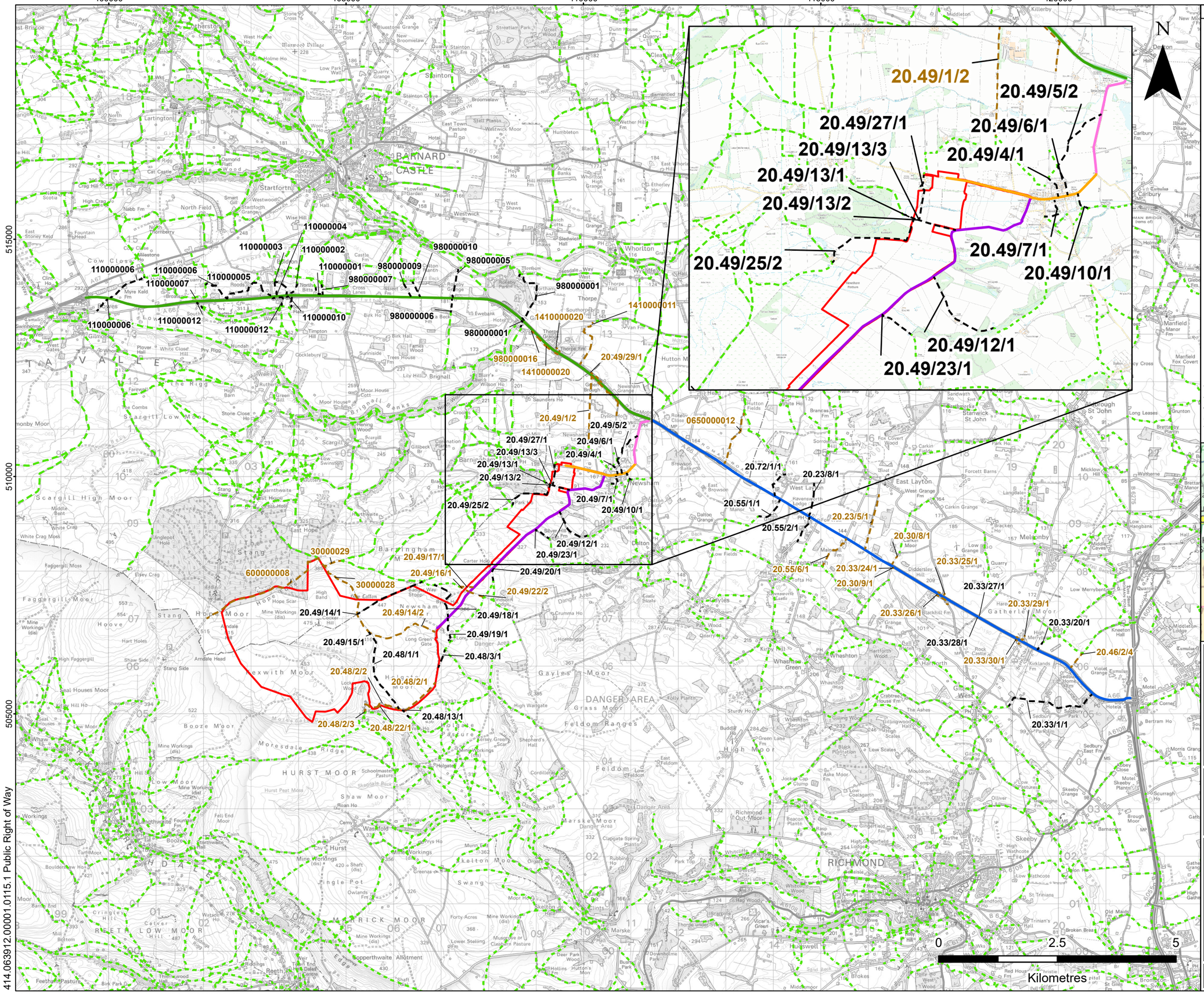
400000 405000 410000 415000 420000

515000 510000 505000

414.063912.00001.0115.1 Public Right of Way



LEGEND

- Scoping Boundary

Public Right of Way

- Bridleway
- Footpath
- Wider Public Right of Way Network

Transport Study Area

- Moor Lane
- Barningham Road
- Low Lane
- A66 between Low Lane and A67
- A66 between Low Lane and A1(M) Junction 53 at Scotch Corner

Note
The A66 Northern Trans-Pennine Project plans alterations to some of the Public Rights of Way shown on this figure which interact with the A66.
Only PRoW which intersect the Scoping Boundary or Transport Study Area are labelled.

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ACCESS, TRAFFIC & TRANSPORT

TRANSPORT STUDY AREA AND PUBLIC RIGHTS OF WAY

FIGURE 11.1

Scale 1:75,000 @ A3

Date MAY 2026

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390000 400000 410000 420000 430000 440000 450000 460000 470000

550000 540000 530000 520000 510000 500000

414.063912.00001.0077.1 Vehicle Routes

N

NORTH

LEGEND

Scoping Boundary

Proposed Turbine Delivery Route (TDR)

Able Seaton Port

Teesport

0 5 10 Kilometres

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

ACCESS, TRAFFIC & TRANSPORT

ABNORMAL INDIVISIBLE LOAD VEHICLE ROUTES

FIGURE 11.2

Scale 1:250,000 @ A3

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402000 404000 406000 408000 410000

510000

508000

506000

414.063912.00001.0074.1 Study Area

LEGEND

Scoping Boundary

Proposed Turbine Location

Noise Level Contour

32dB Contour

35dB Contour

N

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21 T22 T23

SCARGILL CP

BARNINGHAM CP

NEWSHAM CP

HOPE CP

NEW FOREST CP

DALTON

GAYLES

Barningham Moor

Hope Moor

Kexwith Moor

Hurst Moor

Gayles Moor

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HOPE MOOR WIND FARM
SCOPING REPORT

NOISE AND VIBRATION

NOISE AND VIBRATION STUDY AREA AND 32 dB AND 35 dB CONTOURS

FIGURE 12.1

Scale 1:30,000 @ A3

Date MAY 2026

0 1 2 Kilometres

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402000 404000 406000 408000 410000

510000

508000

506000

414.063912.00001.0075.1 Potential NSR

LEGEND

- Site Boundary
- Proposed Turbine Location
- Noise Sensitive Receptor (NSR) Location
- 32dB Contour
- 35dB Contour

Name	X	Y
Kexwith	405349	505058
Schoolmaster Pasture	406050	503847
Holgate	406823	503896
West House	406379	504759
High Roan House	404747	503028
Washfold	405166	502767
Slack Hills	405692	502753
Haythwaite	405730	509117
Far East Hope	403970	508952
East Hope	403825	508975
Peak Hole	403159	509295
West Hope	402927	509362
Forestry Lodge	402415	509000
Stang House	401046	506155
Long Green	407184	506604
Byers Hill	407137	507472
Low Swinston	404500	510447
Scargill	405169	510598
Garnthwaite	403194	509649
Stang Foot	402555	509535
Shaw Farm	400544	505189

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HOPE MOOR WIND FARM
SCOPING REPORT

NOISE AND VIBRATION

POTENTIAL NOISE SENSITIVE RECEPTORS

FIGURE 12.2

Scale 1:30,000 @ A3

Date MAY 2026

0 1 2 Kilometres

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510000 508000 506000

414.063912.00001.0086.1 Potential Sensitive Receptors

LEGEND

- Scoping Boundary
- Scoping Boundary 250 m Buffer
- Proposed Turbine Location
- Residential Receptor Location
- Ancient Woodland Inventory

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21 T22 T23

0 1 2 Kilometres

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

AIR QUALITY

POTENTIAL SENSITIVE RECEPTORS

FIGURE 15.1

Scale 1:30,000 @ A3

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380000 400000 420000 440000

540000 520000 500000

414.063912.00001.0124.1 Socio-Economics Study Area

Upper Teesdale Ward

North Richmondshire Ward

Upper Dales Ward

County Durham LPA

Westmorland and Furness LPA

Yorkshire Dales National Park LPA

North Yorkshire LPA

Darlington LPA

Stockton-on-Tees LPA

Hartlepool LPA

LEGEND

Scoping Boundary

Regional Area

Local Planning Authority (LPA) Boundary

Local Area

Ward Boundary

North Richmondshire

Upper Dales

Upper Teesdale

N

Newcastle upon Tyne
Sunderland
Carlisle
Ripon
Lancaster
York
Preston
Leeds
Manchester

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HOPE MOOR WIND FARM
SCOPING REPORT

SOCIO-ECONOMICS

STUDY AREA

FIGURE 17.1

Scale 1:250,000 @ A3

Date MAY 2026

0 5 10 Kilometres

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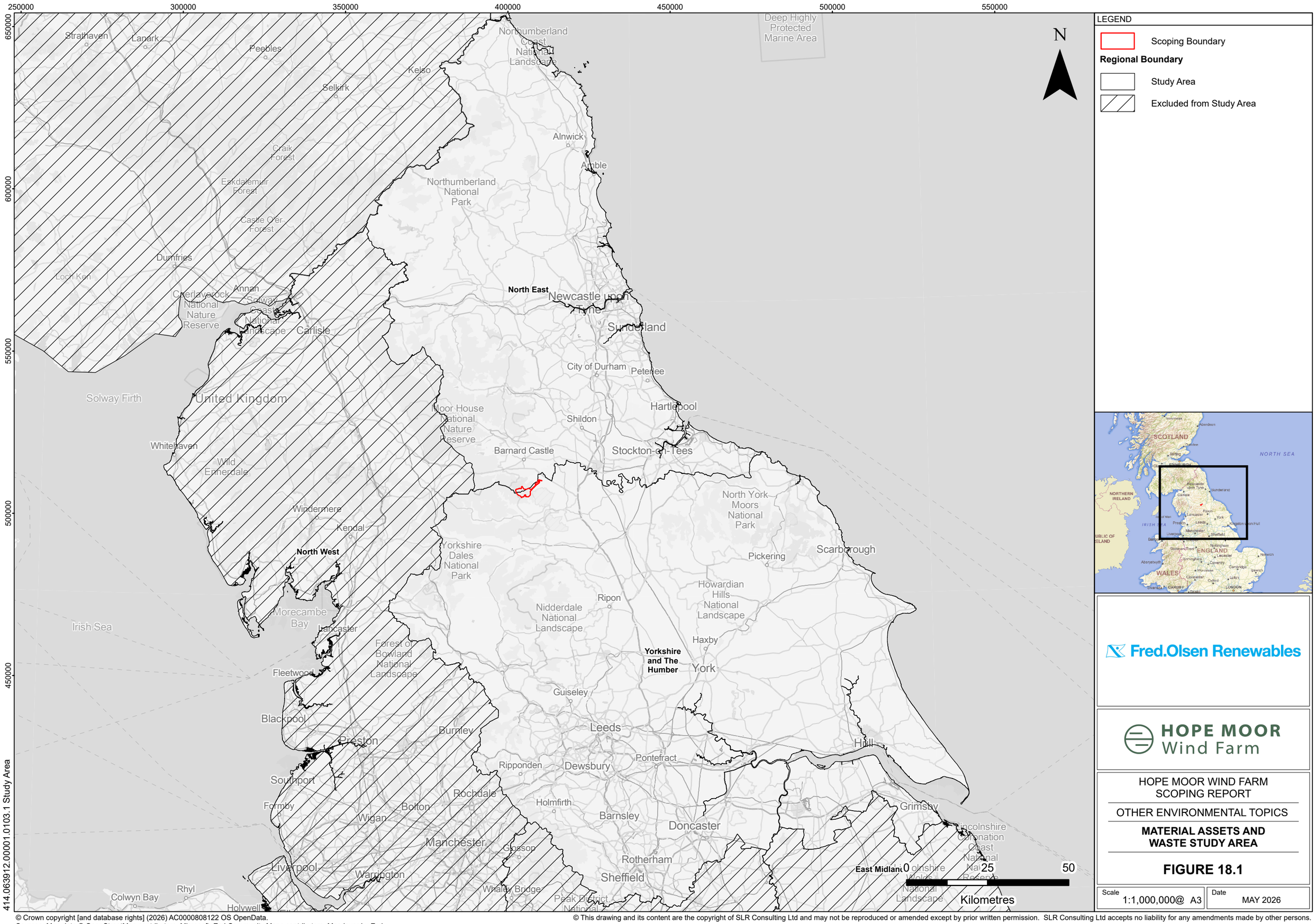

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HOPE MOOR WIND FARM
SCOPING REPORT

OTHER ENVIRONMENTAL TOPICS

MATERIAL ASSETS AND WASTE STUDY AREA

FIGURE 18.1

Scale 1:1,000,000@ A3

Date MAY 2026

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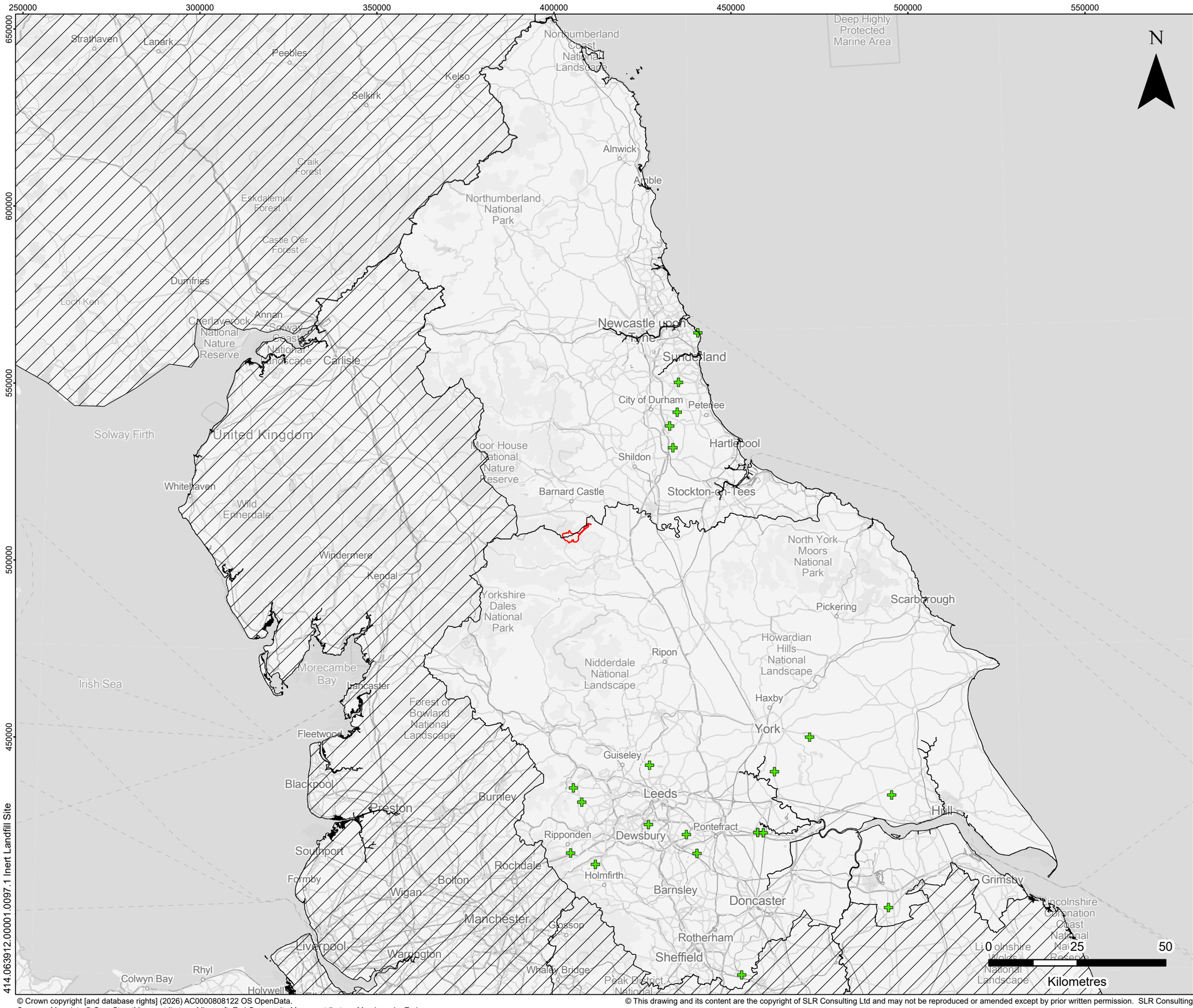

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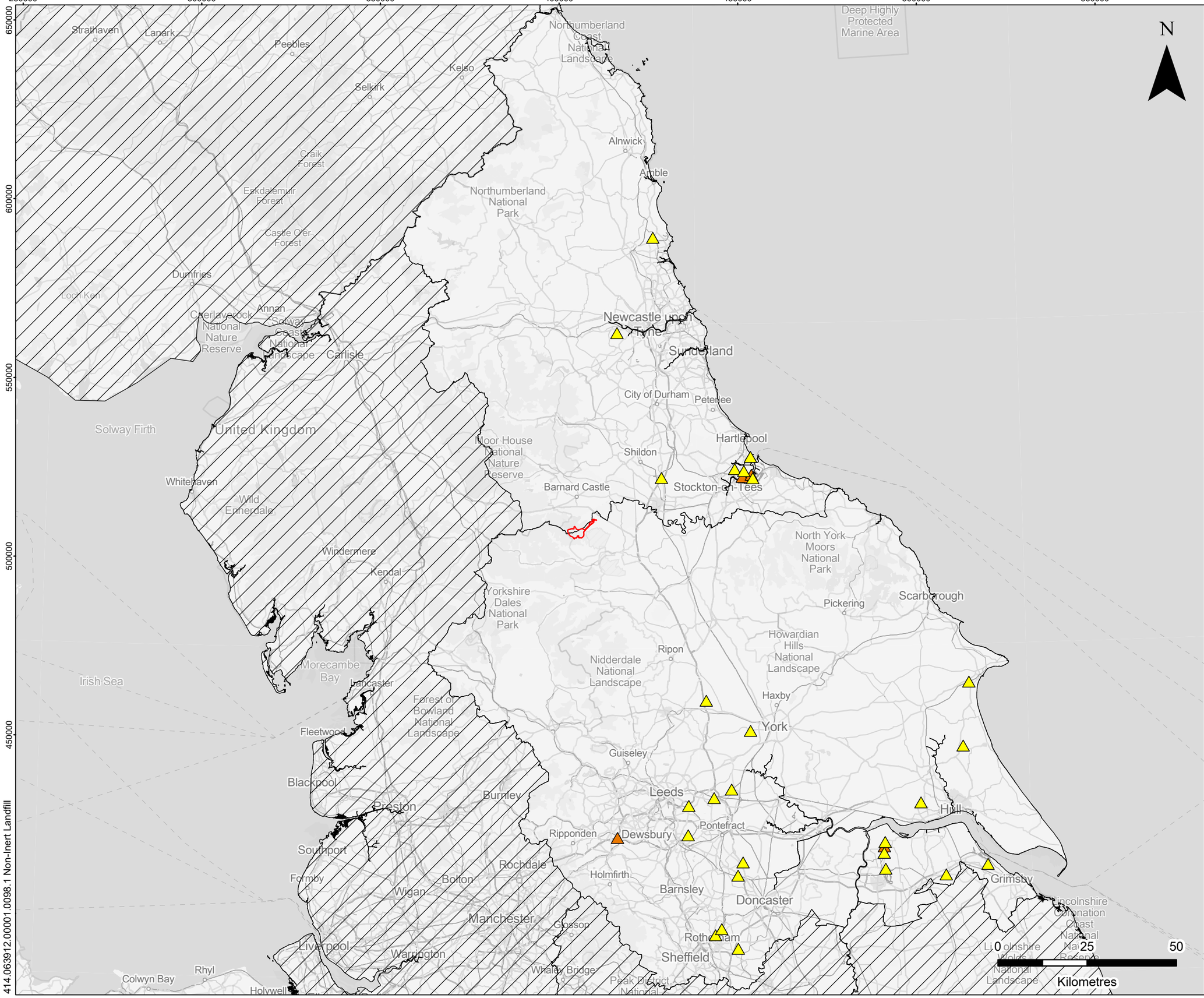

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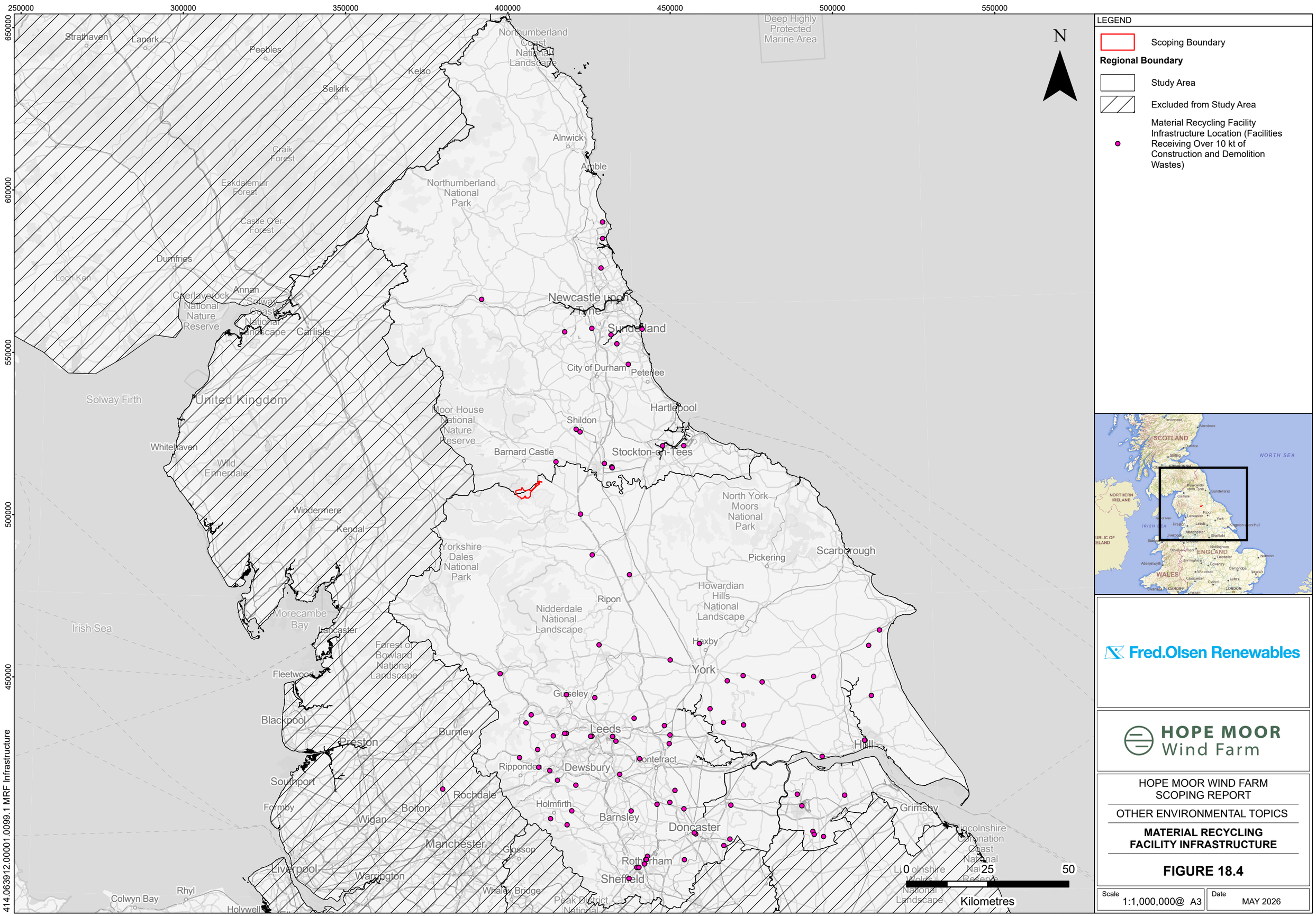

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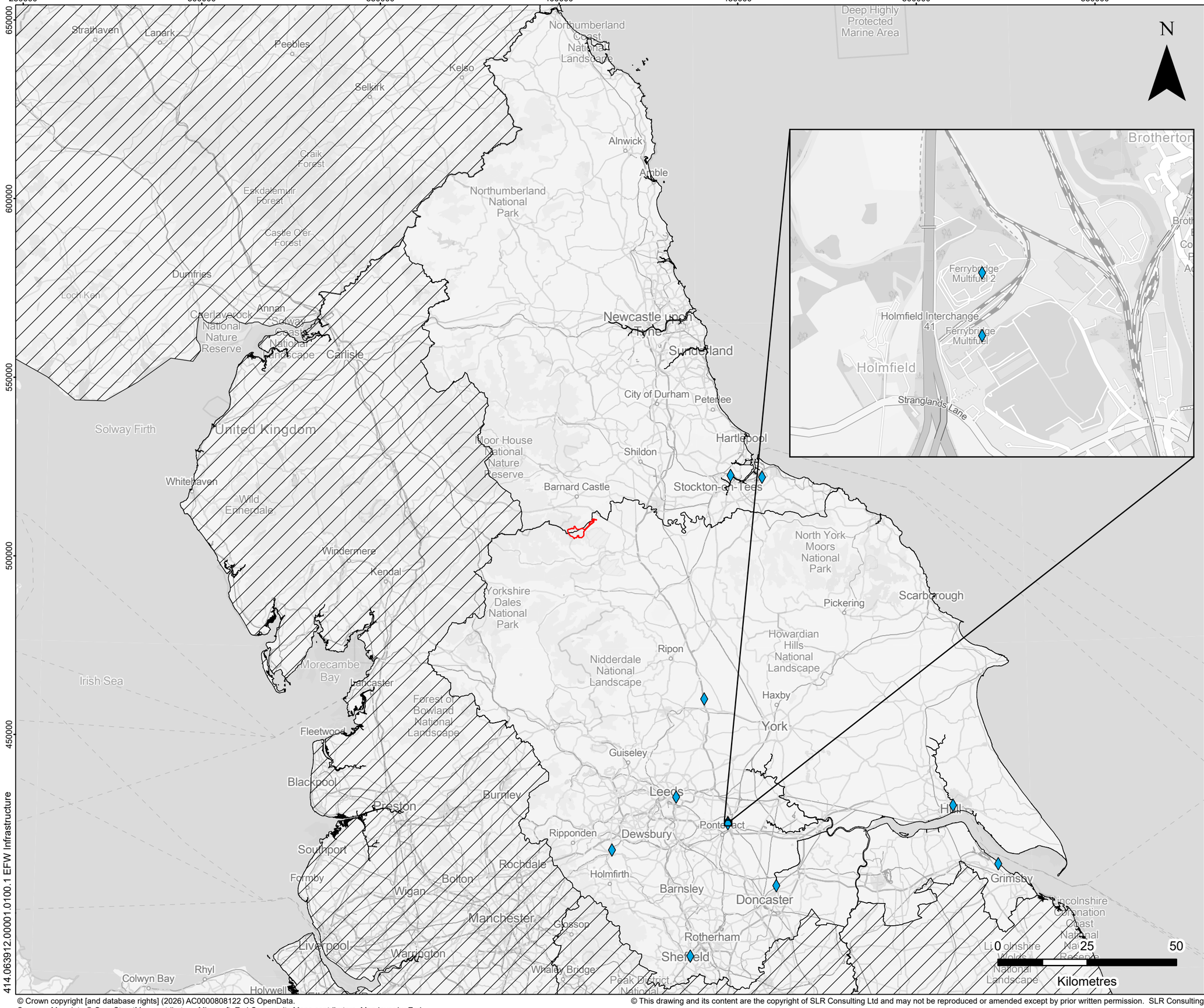

LEGEND

- Scoping Boundary
- **Regional Boundary**
- Study Area
- Excluded from Study Area
- Energy from Waste Facility Infrastructure Location



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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

OTHER ENVIRONMENTAL TOPICS

ENERGY FROM WASTE FACILITY INFRASTRUCTURE

FIGURE 18.5

Scale 1:1,000,000@ A3

Date MAY 2026

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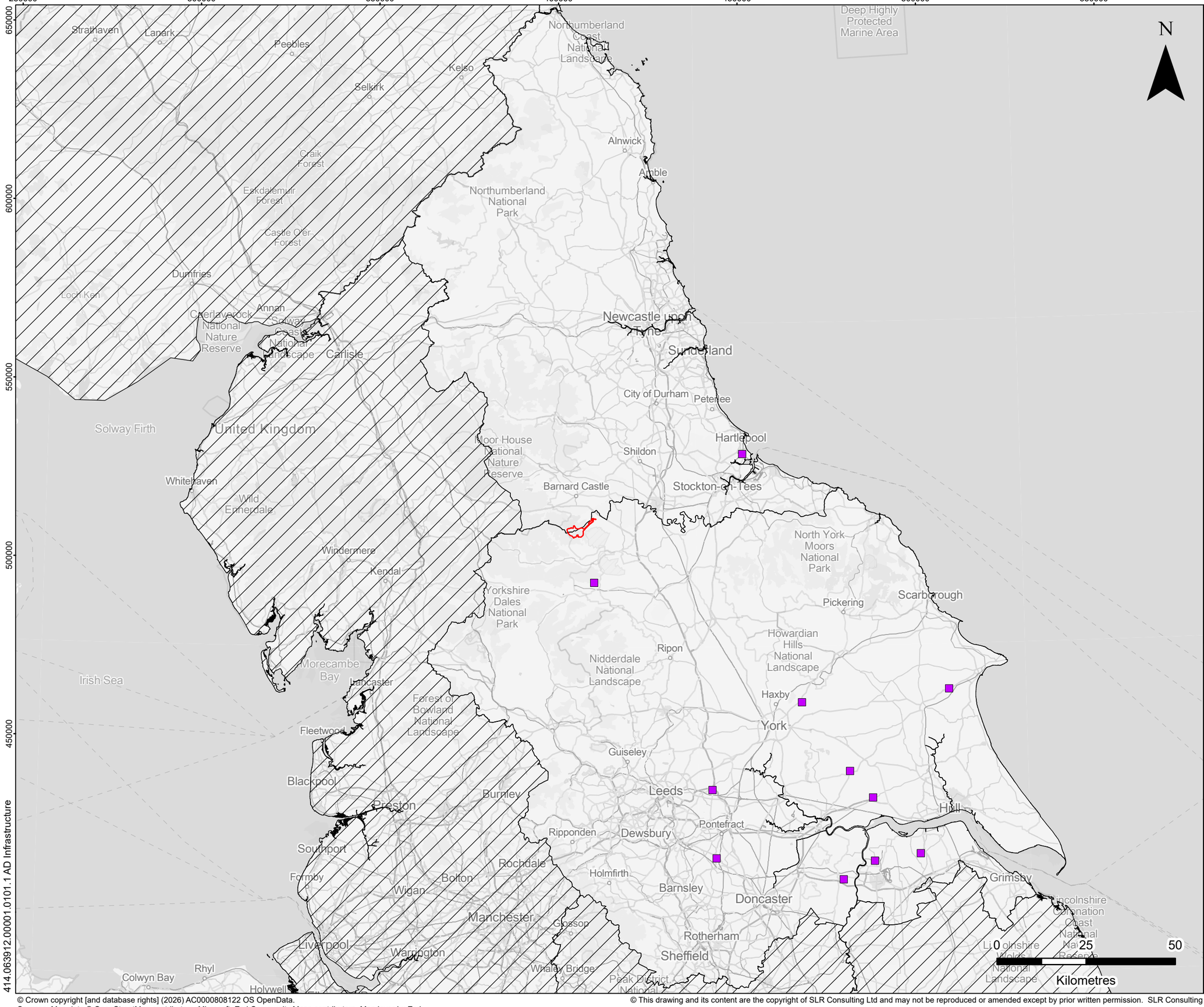

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HOPE MOOR WIND FARM
SCOPING REPORT

OTHER ENVIRONMENTAL TOPICS

ANAEROBIC DIGESTION FACILITY INFRASTRUCTURE

FIGURE 18.6

Scale 1:1,000,000@ A3

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512000 510000 508000 506000

414.063912.00001.0087.1 Health Study Area

LEGEND

- Scoping Boundary
- Scoping Boundary 500 m Buffer
- Proposed Turbine Location
- Lower Level Super Ouput Area (LSOA)

N

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21 T22 T23

County Durham 067G

Richmondshire 001F

Richmondshire 001C

Richmondshire 005D

Richmondshire 004E

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

OTHER ENVIRONMENTAL TOPICS

HUMAN HEALTH STUDY AREA

FIGURE 18.7

Scale 1:40,000 @ A3

Date MAY 2026

0 2 4 Kilometres

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400000 405000 410000

510000 505000

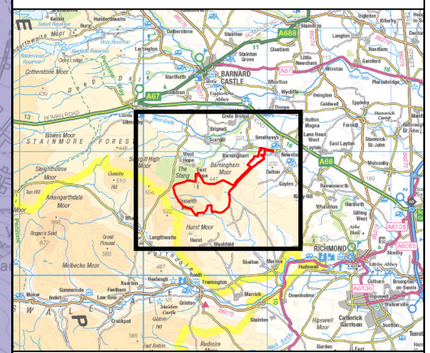
N

LEGEND

- Scoping Boundary
- Scoping Boundary 500 m Buffer
- Proposed Turbine Location

Indices of Multiple Deprivation Decile (2025)

- 1 (Most Deprived)
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 (Least Deprived)



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HOPE MOOR WIND FARM
SCOPING REPORT

OTHER ENVIRONMENTAL TOPICS

INDICES OF MULTIPLE DEPRIVATION (IMD) - OVERALL DEPRIVATION

FIGURE 18.8

Scale	Date
1:40,000 @ A3	MAY 2026

0 2 4
Kilometres

414.063912.00001.0088.1 IMD Overall

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400000 405000 410000

510000

5000

414.063912.00001.0089.1 IMD Health

N

LEGEND

- Scoping Boundary
- Scoping Boundary 500 m Buffer
- Proposed Turbine Location

Health Deprivation and Disability Decile

- (Most Deprived)
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10 (Least Deprived)

County Durham 067G Decile: 6

Richmondshire 005D Decile: 9

Richmondshire 001F Decile: 9

Richmondshire 001C Decile: 8

T1 T2 T3 T4 T5 T6 T7 T8 T9 T10 T11 T12 T13 T14 T15 T16 T17 T18 T19 T20 T21 T22 T23

0 2 4

Kilometres

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HOPE MOOR Wind Farm

HOPE MOOR WIND FARM
SCOPING REPORT

OTHER ENVIRONMENTAL TOPICS

INDICES OF MULTIPLE DEPRIVATION (IMD) - HEALTH DEPRIVATION

FIGURE 18.9

Scale 1:40,000 @ A3

Date MAY 2026

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