

Legend

- ◆ Turbine locations
- Buffers (5km intervals)
- ▭ Site boundary
- Solar PV Area
- Zone of Theoretical Visibility**
- 1 - 6 turbines visible
- 7 - 12 turbines visible
- 13 - 18 turbines visible
- 19 - 24 turbines visible
- Viewpoints (see inset for detail)

Notes: The ZTV is calculated to turbine tip heights of up to 200m, 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 & Proposed Viewpoints

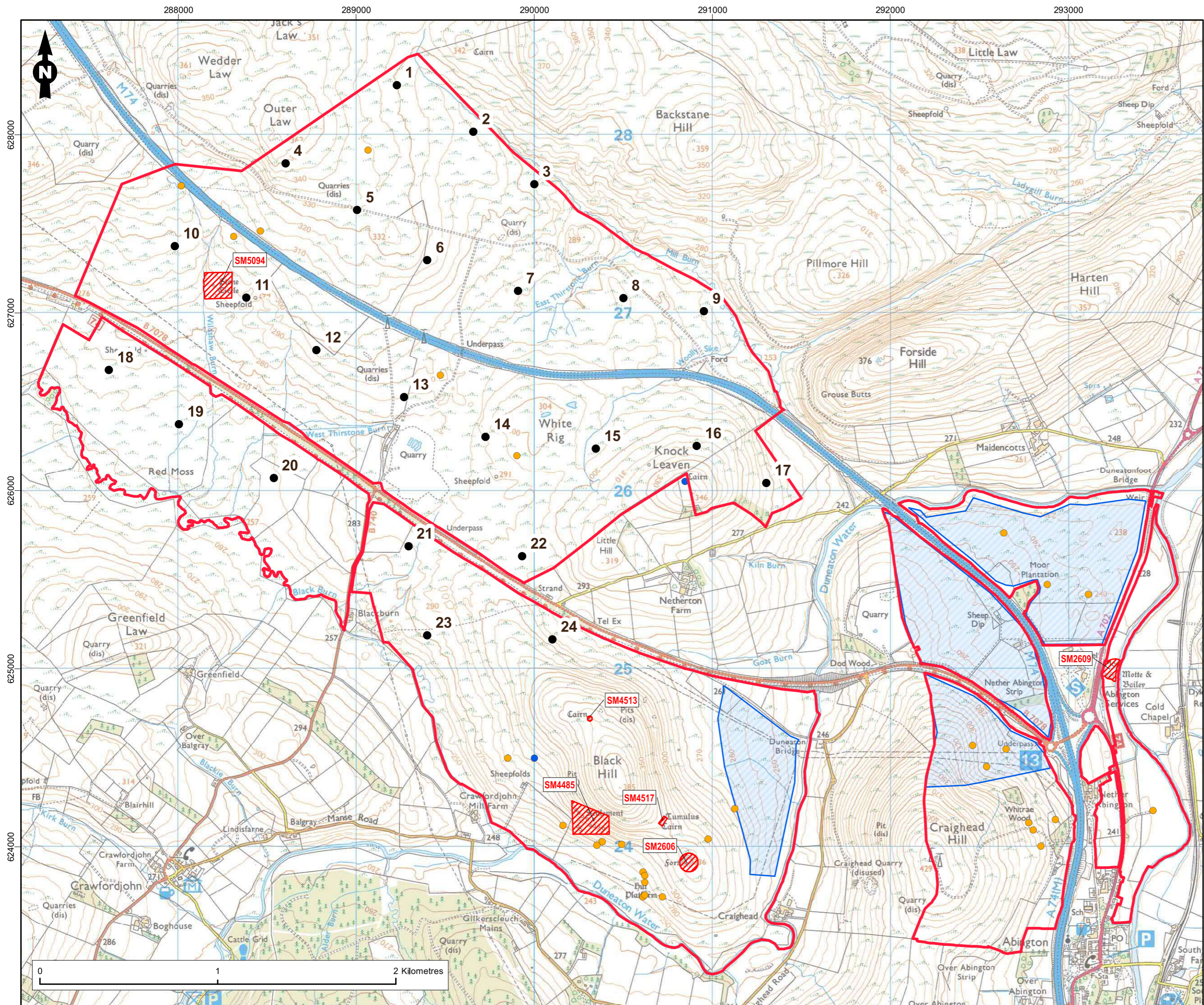
Project Name
M74 West Renewable Energy Park

Project Number	23014	Figure No.	3.3.4
Date	08/12/2023	Prepared by	AS
Scale	Scale @ A3: 1:150,000	Issue	r6

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ID	Title
1	Devonburn Road
2	B7078 Carlisle Road
3	M74 Southbound, B7078 near Parkhead
4	M74 within the site
5	Abington Services
6	Castle Hill
7	Crawfordjohn
8	B740 Spango
9	A702 near Hartside
10	B7055 Greenhill
11	Tinto Hill
12	Cairn Table
13	Lowther Hill
14	Culter Fell
15	B7016 east of Biggar

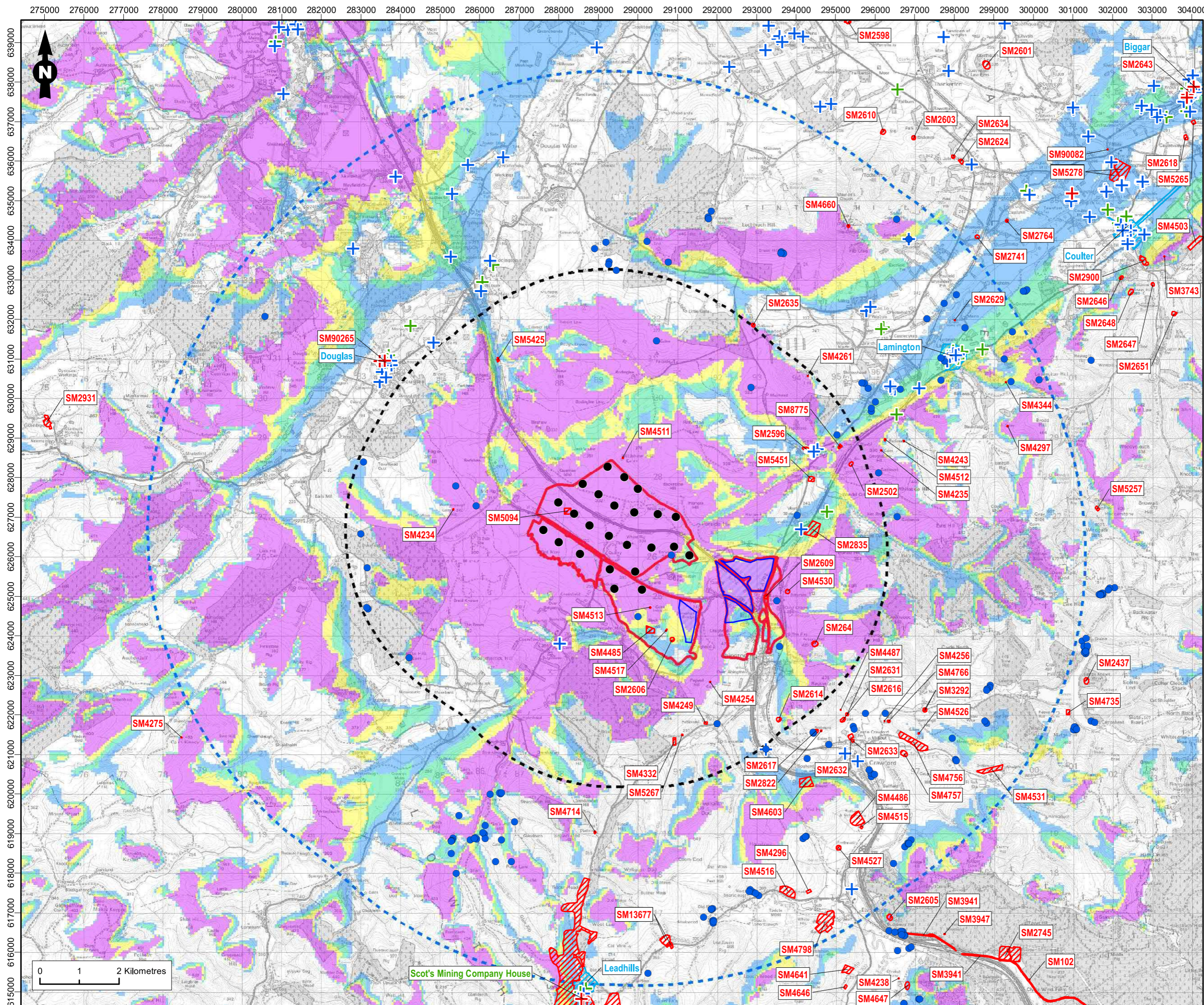


Legend

- Turbine Location
- ▭ Site Boundary
- ▭ Solar PV Area
- ▨ Scheduled Monument
- HER NSR Site
- HER Non-Designated Site



Figure Title	
Cultural Heritage: Inner Study Area	
Project Name	
M74 West Wind Farm	
Project Number	Figure No.
1620015684	3.4.1
Date	Prepared By
December 2023	SG
Scale	Issue
1:20,000 @A3	3
Client	
M74 West Ltd	



- ### Legend
- Turbine Location
 - ▭ Site Boundary
 - ▭ Solar PV Area
- #### Scoping Turbines ZTV
- 1 - 6 turbines visible
 - 7 - 12 turbines visible
 - 13 - 18 turbines visible
 - 19 - 24 turbines visible
- 5km Buffer
 - 10km Outer Study Area
 - ▨ Scheduled Monument
 - + Listed Building Category A
 - + Listed Building Category B
 - + Listed Building Category C
 - ▨ Conservation Area
 - ▨ Gardens & Designed Landscape
 - HER NSR Site

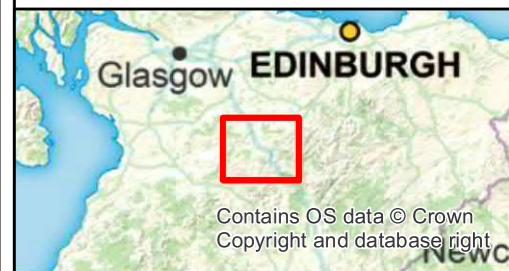


Figure Title
**Cultural Heritage:
 Outer Study Area**

Project Name
M74 West Wind Farm

Project Number 1620015684	Figure No. 3.4.2
Date December 2023	Prepared By SG
Scale 1:90,000 @A3	Issue 3

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285000

290000

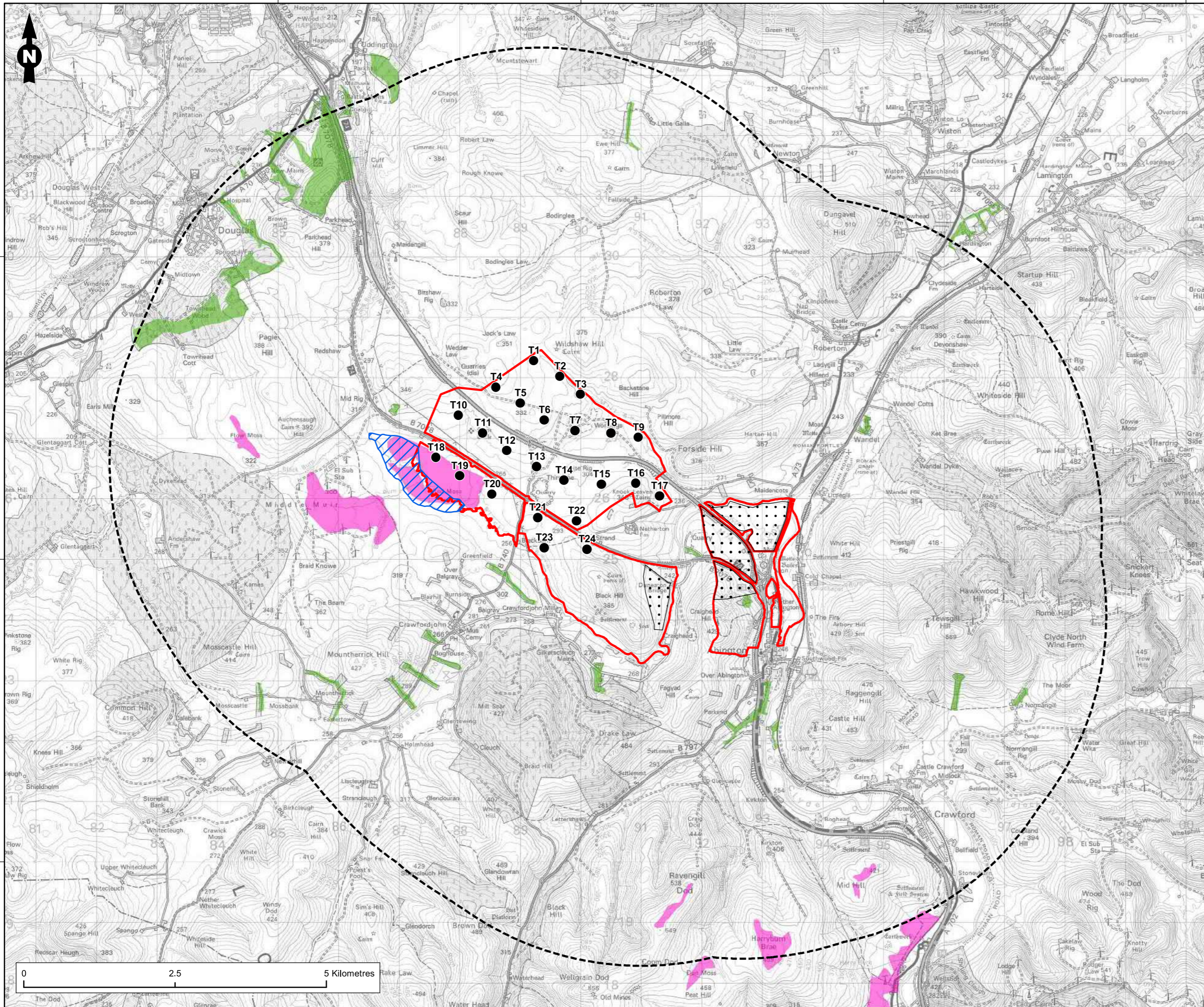
295000

300000

630000

625000

620000



Legend

- Site Boundary
- Turbine
- Indicative PV Area
- Designated Site Study Area
- Red Moss Special Area of Conservation (SAC) & Site of Special Scientific Interest (SSSI)
- Ancient Woodland

Carbon and Peatland (2016)

Class 1 - Nationally important carbon-rich soils, deep peat and priority peatland habitat. Areas likely to be of high conservation value



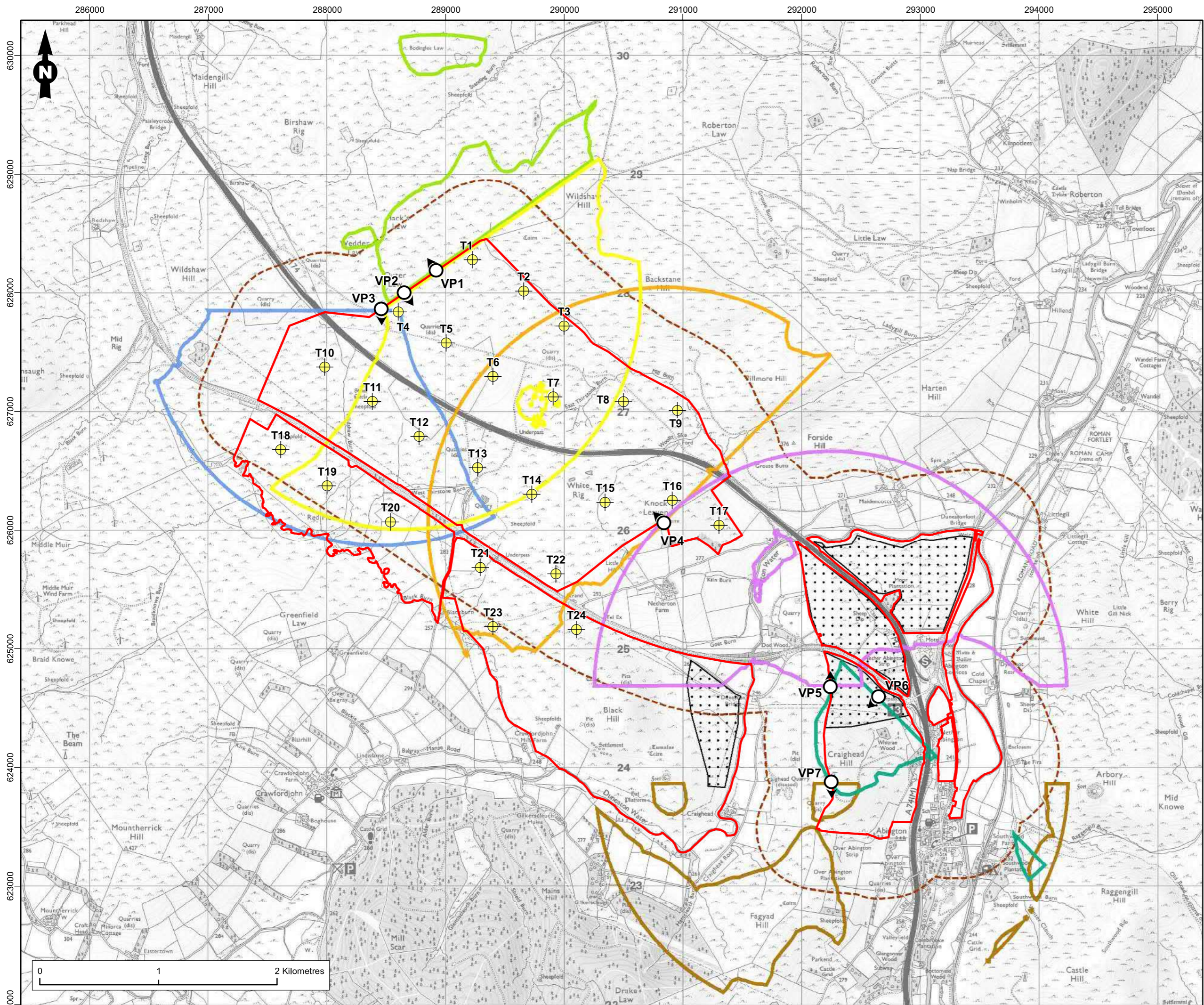
Figure Title
 Ecological Designated Sites, Ancient Woodland and Peatland within 5 km

Project Name
M74 West Renewable Energy Park

Project Number 1620015684	Figure No. 3.5.1
Date December 2023	Prepared By LD
Scale 1:60,000 @A3	Issue 4

Client
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Legend

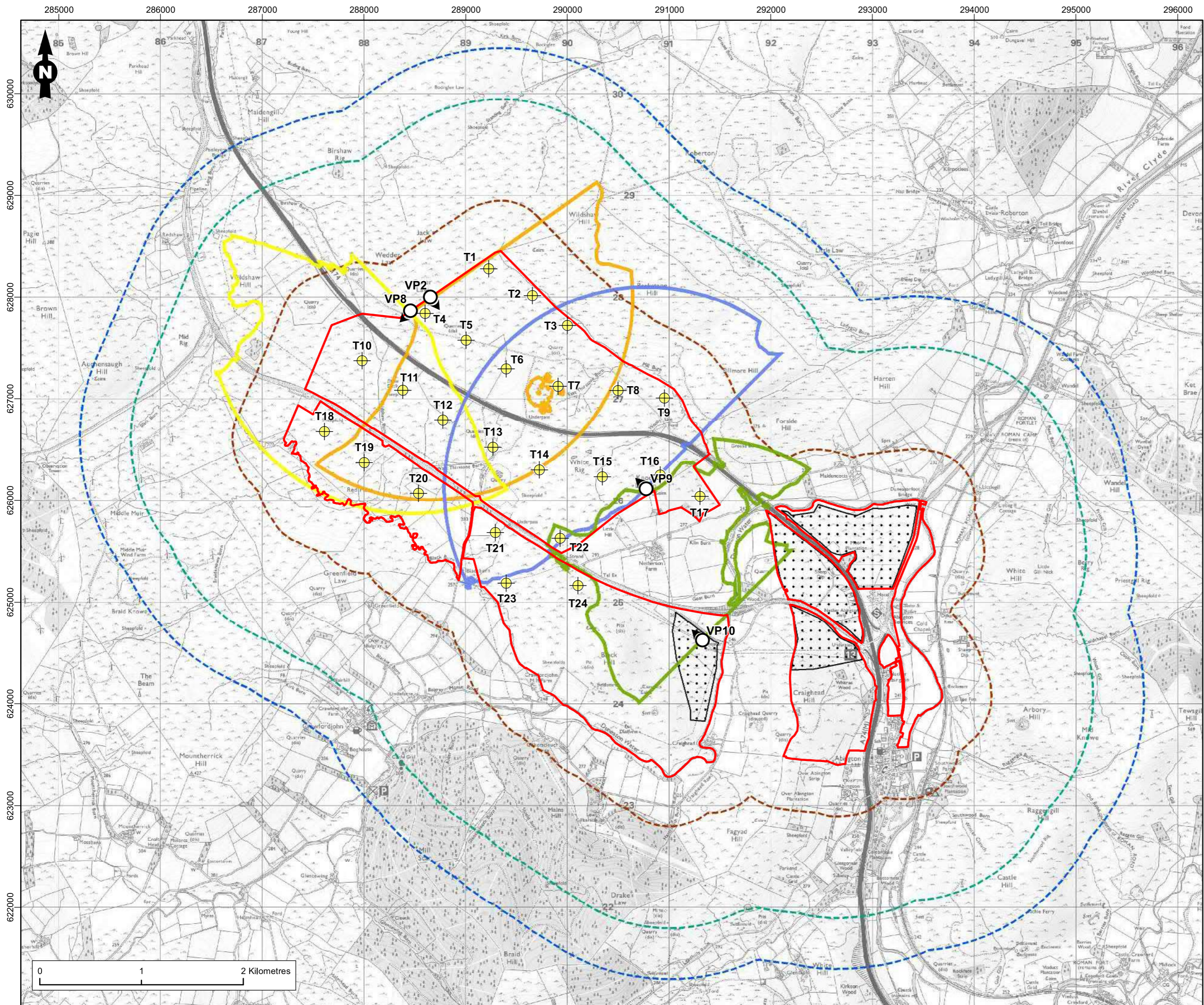
- Site Boundary
- + Turbine
- Indicative PV Area
- 500m Winter Walkover (WVO) Survey Area

Vantage Points and Viewsheds

- ⊕ Vantage Point (VP)
- Visible Area from VP1
- Visible Area from VP2
- Visible Area from VP3
- Visible Area from VP4
- Visible Area from VP5
- Visible Area from VP6
- Visible Area from VP7



Figure Title	
Ornithology Survey Areas: September 2022 to March 2023	
Project Name	
M74 West Renewable Energy Park	
Project Number	Figure No.
1620015684	3.6.1
Date	Prepared By
December 2023	LD
Scale	Issue
1:30,000 @A3	4
Client	
M74 West Ltd	
	



Legend

- Site Boundary
- + Turbine
- Indicative PV Area
- 500m Breeding Bird (BBS) Survey Area
- 1.5km Black Grouse (BK) Survey Area
- 2km Scarce Breeding Bird (SBBS) Survey Area

Vantage Points and Viewsheds

- o Vantage Point (VP)
- Visible Area from VP2
- Visible Area from VP8
- Visible Area from VP9
- Visible Area from VP10



Figure Title
**Ornithology Survey Areas:
 March 2023 to August 2023**

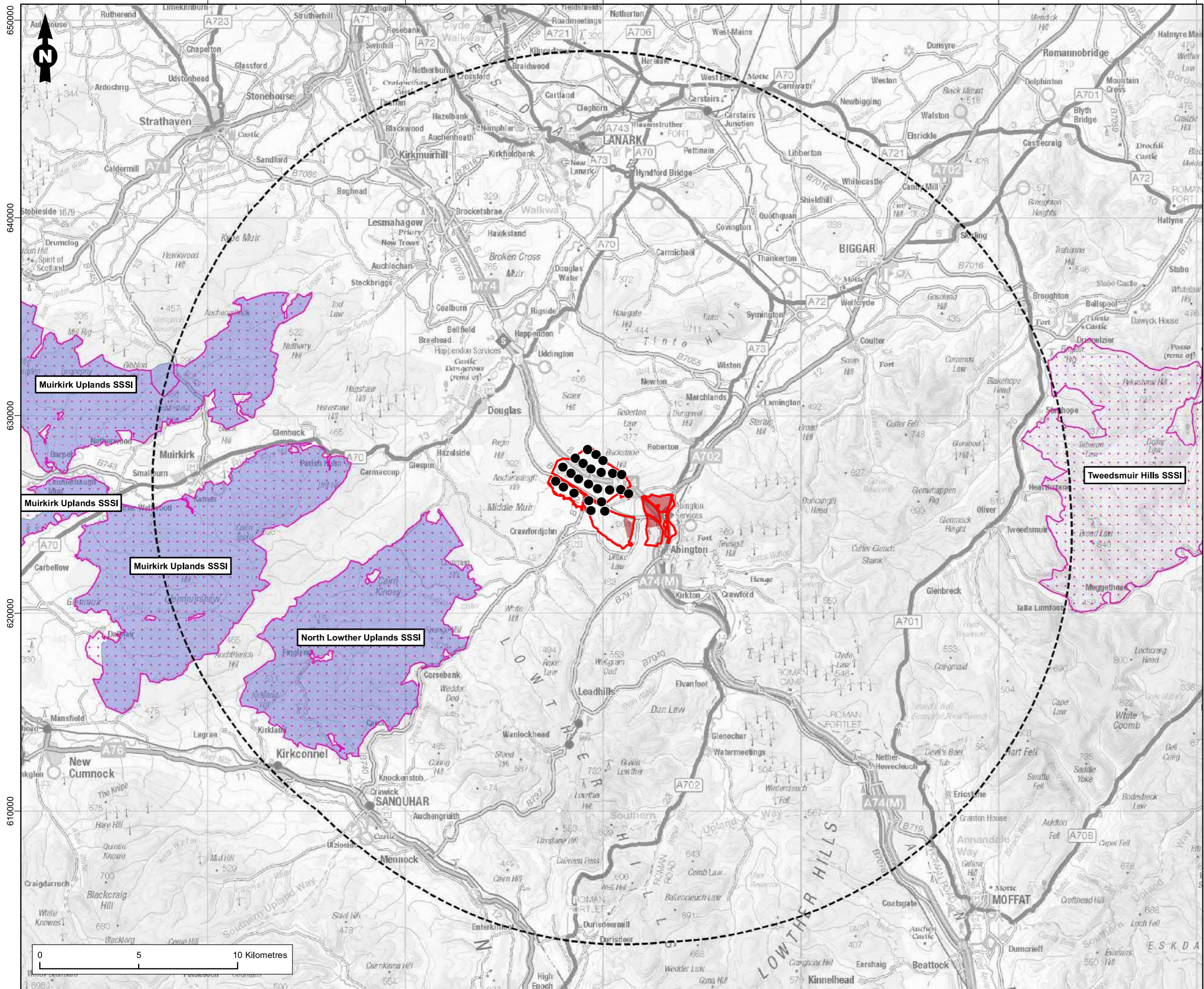
Project Name
**M74 West
 Renewable Energy Park**

Project Number 1620015684	Figure No. 3.6.2
Date December 2023	Prepared By LD
Scale 1:35,000 @A3	Issue 4

Client
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270000 280000 290000 300000 310000 320000



Legend

- Site Boundary
- Turbine
- Indicative PV Area
- Designated Site Study Area
- Site of Special Scientific Interest (SSSI)
- Muirkirk and North Lowther Uplands Special Protection Area (SPA)




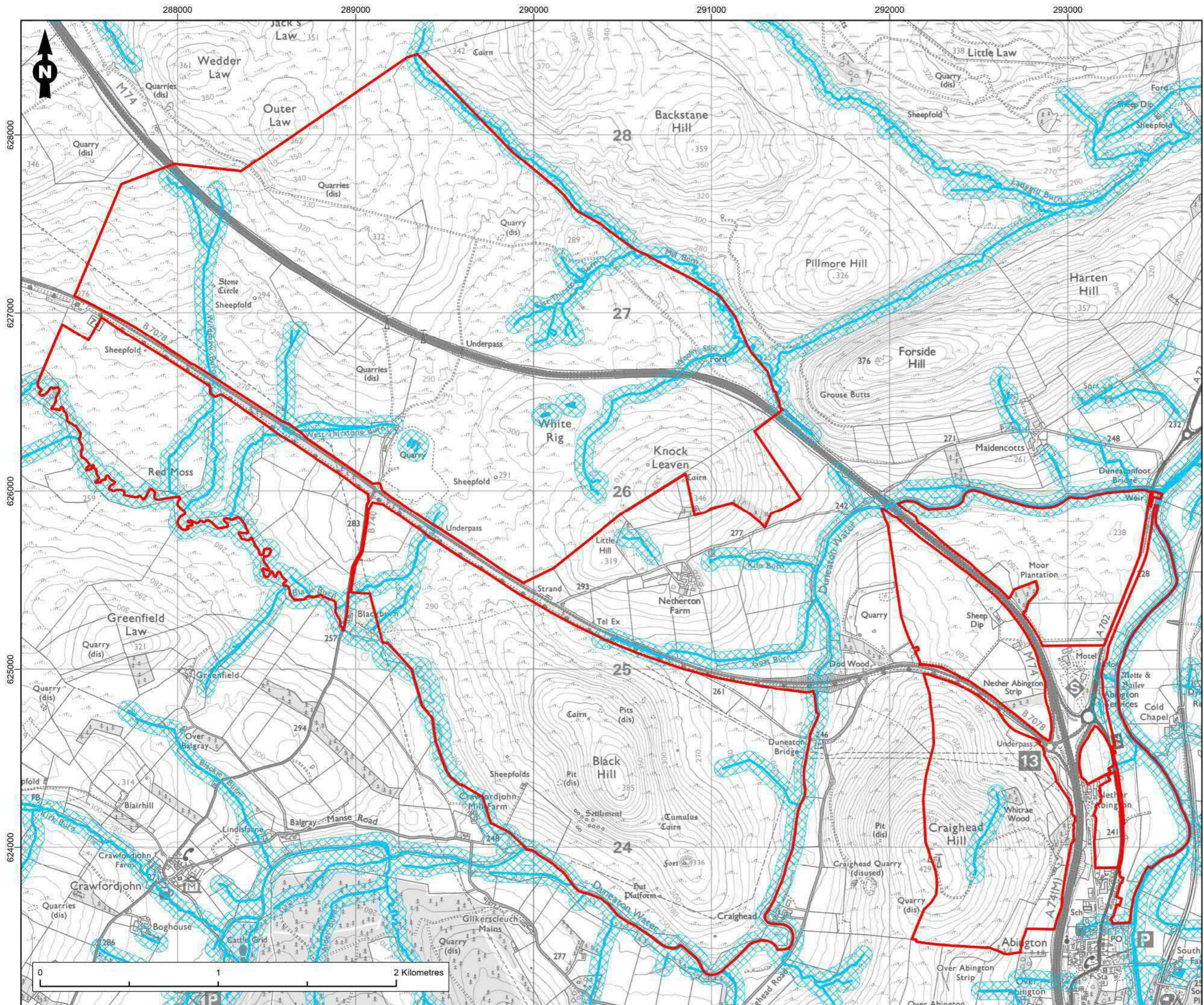
Figure Title
Ornithological Designated Sites within 20 km

Project Name
M74 West Renewable Energy Park

Project Number 1620015684	Figure No. 3.6.3
Date December 2023	Prepared By LD
Scale 1:180,000 @A3	Issue 4

Client
M74 West Ltd



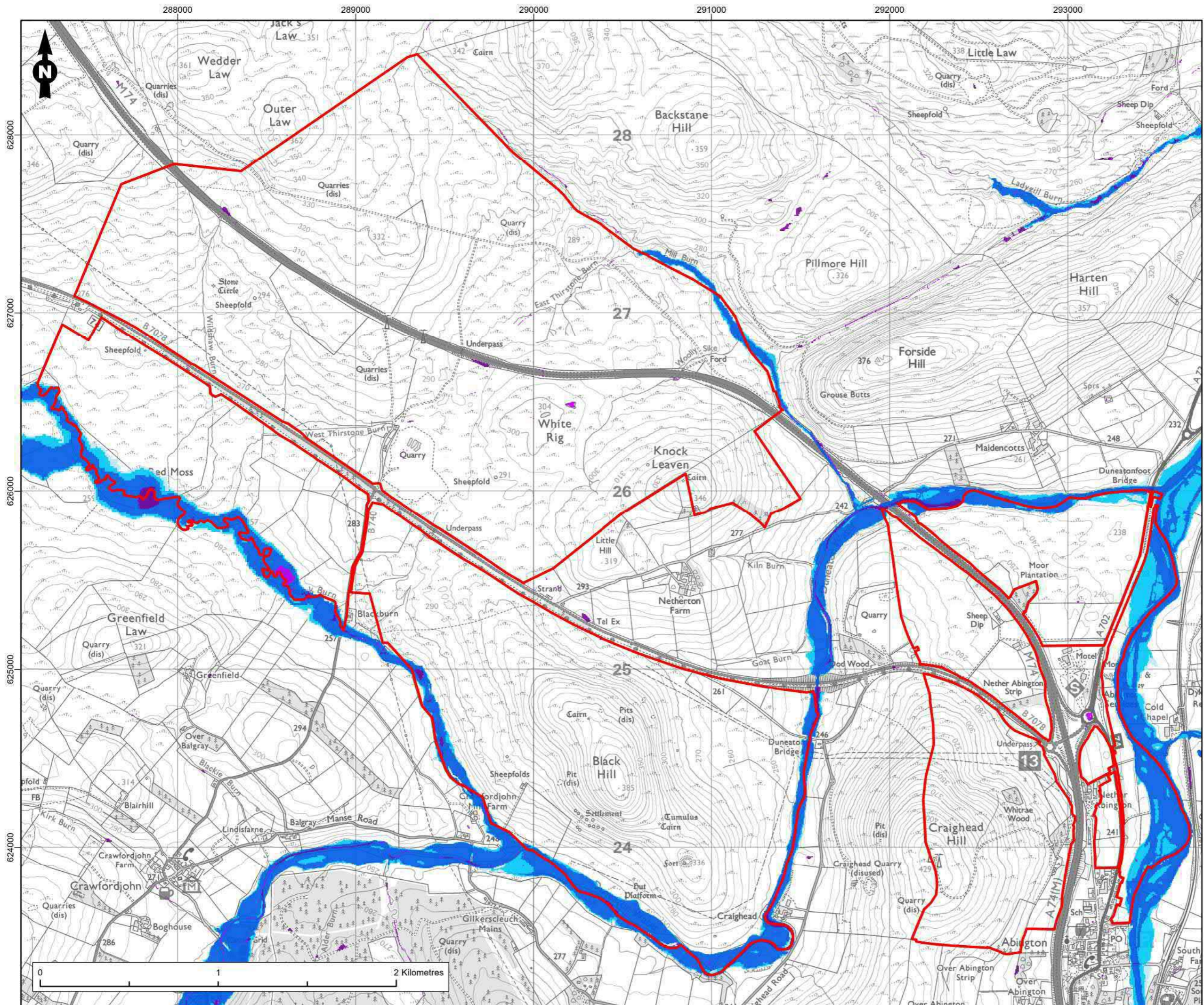


Legend

- Site Boundary
- Surface Water Features**
- Watercourse
- Waterbody
- Watercourse/-body 50 m Buffer

Figure Title	
Hydrology Constraints	
Project Name	
M74 West Renewable Energy Park	
Project Number	Figure No.
1620015684	3.7.1
Date	Prepared By
December 2023	MFT
Scale	Issue
1:20,000 @A3	1
Client	
M74 West Ltd	





Legend

- Site Boundary

River Flooding

- High Likelihood - Each year this area has a 10% chance of flooding
- Medium Likelihood - Each year this area has a 0.5% chance of flooding
- Low Likelihood - Each year this area has a 0.1% chance of flooding

Surface Water Flooding

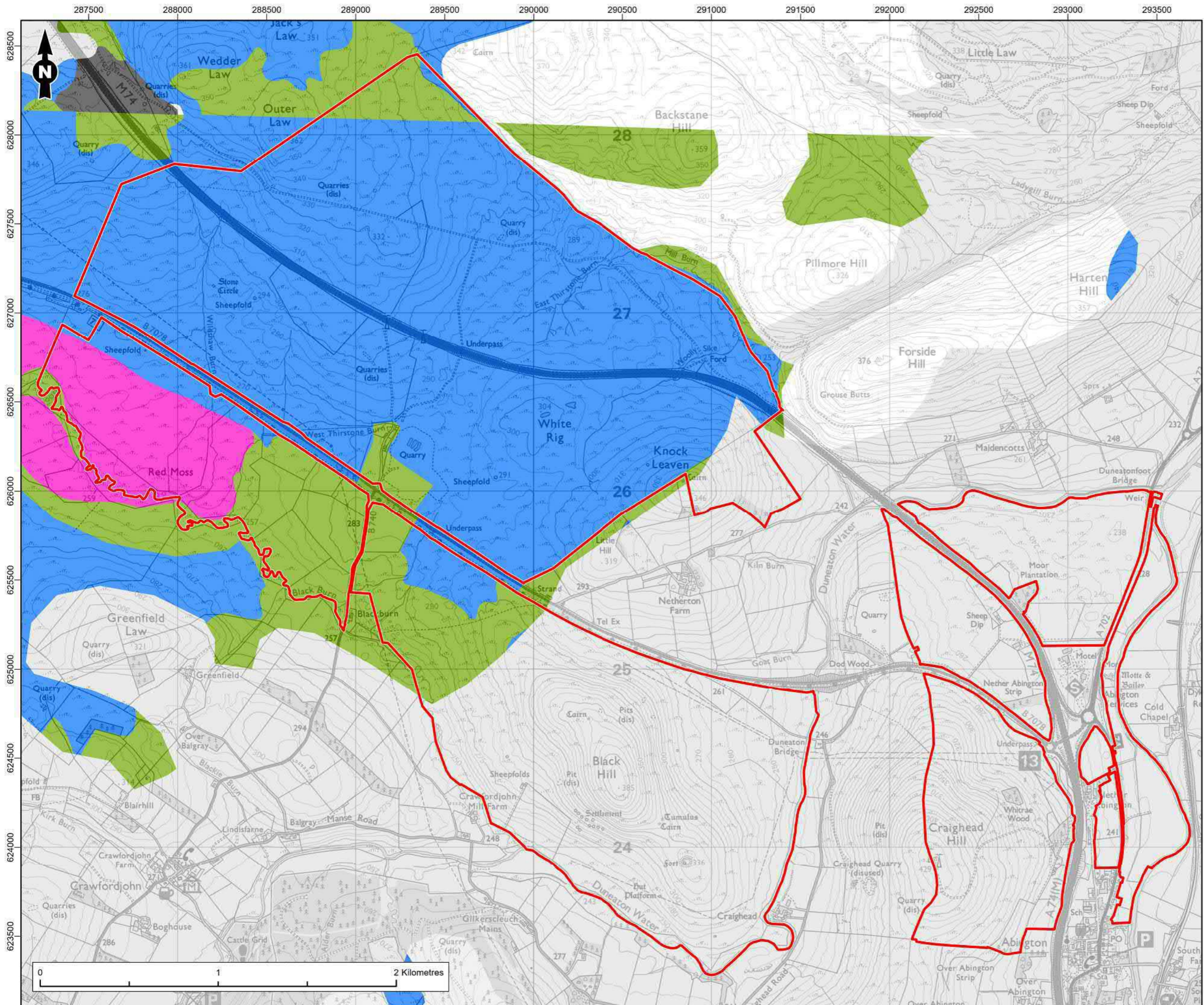
- High Likelihood - Each year this area has a 10% chance of flooding
- Medium Likelihood - Each year this area has a 0.5% chance of flooding
- Low Likelihood - Each year this area has a 0.1% chance of flooding

Figure Title
Flood Risk (River and Surface Water)

Project Name
M74 West Renewable Energy Park

Project Number 1620015684	Figure No. 3.7.2
Date December 2023	Prepared By MFT
Scale 1:20,000 @A3	Issue 1

Client
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Legend

- Site Boundary

Carbon and Peatland Class

- Unknown soil type
- Mineral soils
- 1
- 3
- 4
- 5

Figure Title	
SNH Carbon Peatland Mapping (2016)	
Project Name	
M74 West Renewable Energy Park	
Project Number	Figure No.
1620015684	3.7.3
Date	Prepared By
December 2023	MFT
Scale	Issue
1:20,000 @A3	1
Client	
M74 West Ltd	



APPENDIX B
SCOPING LAYOUT COORDINATES

Table B.1: Scoping Layout Turbine Coordinates			
Turbine No.	Candidate Turbine Type	Easting (X)	Northing (Y)
1	Siemens SG 6.6-155 122.5mHH	289226	628279
2	Siemens SG 6.6-155 122.5mHH	289657	628017
3	Siemens SG 6.6-155 122.5mHH	289999	627722
4	Siemens SG 6.6-155 122.5mHH	288602	627840
5	Siemens SG 6.6-155 122.5mHH	289004	627578
6	Siemens SG 6.6-155 122.5mHH	289398	627296
7	Siemens SG 6.6-155 122.5mHH	289907	627124
8	Siemens SG 6.6-155 122.5mHH	290499	627083
9	Siemens SG 6.6-155 122.5mHH	290953	627010
10	Siemens SG 6.6-155 122.5mHH	287981	627375
11	Siemens SG 6.6-155 122.5mHH	288382	627085
12	Siemens SG 6.6-155 122.5mHH	288776	626791
13	Siemens SG 6.6-155 122.5mHH	289269	626527
14	Siemens SG 6.6-155 122.5mHH	289725	626304
15	Siemens SG 6.6-155 122.5mHH	290344	626236
16	Siemens SG 6.6-155 122.5mHH	290911	626253
17	Siemens SG 6.6-155 122.5mHH	291303	626043
18	Siemens SG 6.6-155 122.5mHH	287610	626680
19	Siemens SG 6.6-155 122.5mHH	288002	626375
20	Siemens SG 6.6-155 122.5mHH	288535	626071
21	Siemens SG 6.6-155 122.5mHH	289292	625687
22	Siemens SG 6.6-155 122.5mHH	289930	625632
23	Siemens SG 6.6-155 122.5mHH	289398	625188
24	Siemens SG 6.6-155 122.5mHH	290102	625164