

Legend

- Site Boundary
- Turbines

Infrastructure

- Substation
- Construction Compound
- Battery Site
- Borrow Pit Location
- Turbine Hardstanding Concrete
- Access Track and Junction
- Inverters
- Solar Panels

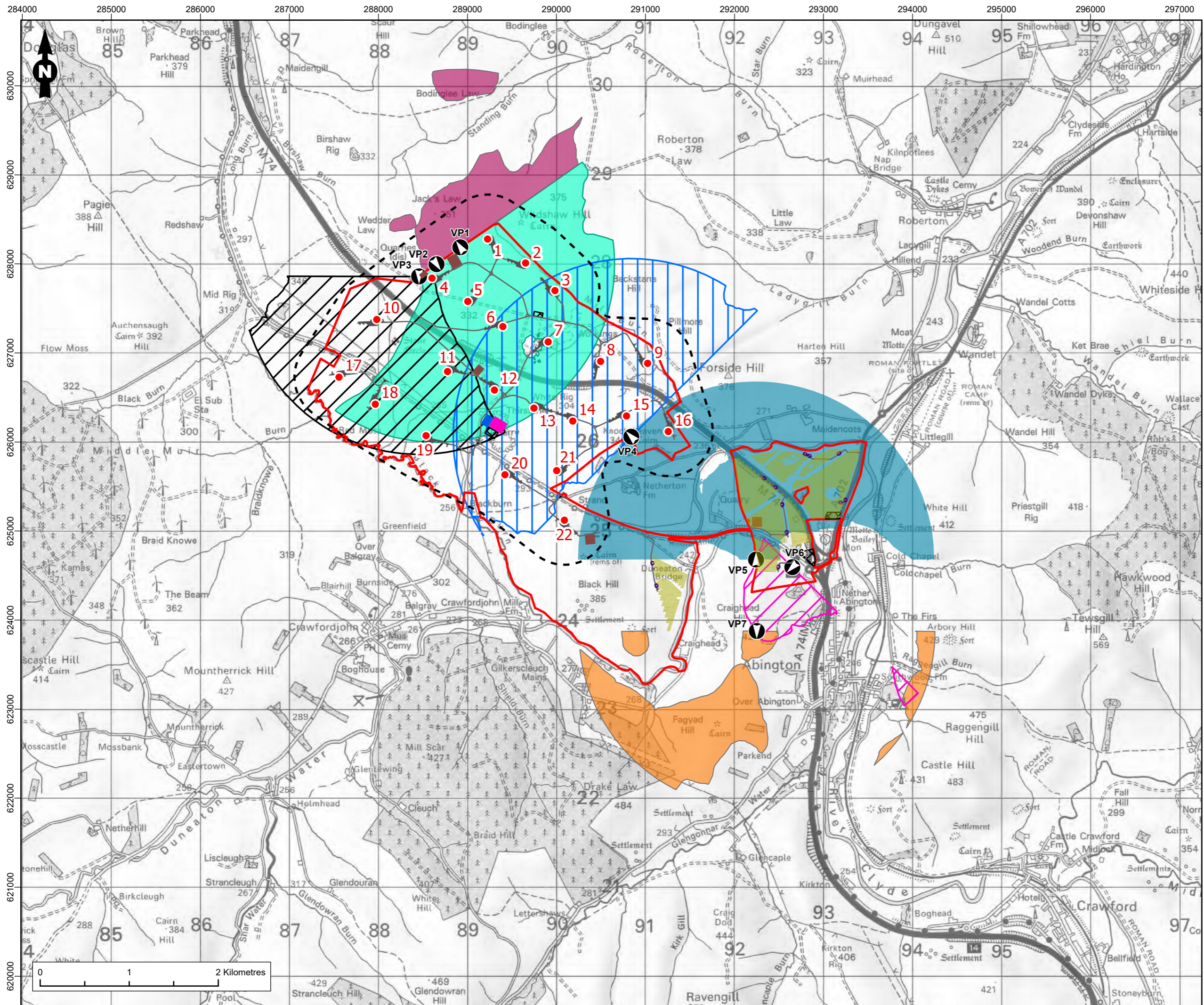
Natural Heritage Zones (NHZs)

- NHZ 20 Border Hills
- NHZ 19 Western Southern Uplands and Inner Solway

Study Areas

- Breeding/wintering bird study area (turbines, access track and solar array - 500 m)
- Black grouse study area (1.5 km turbines, 750 m access track and 750 m solar array)
- Scarce breeding bird study area (2 km turbines, 800 m access track, 800 m solar array)

Figure Title	
Site and Ornithological Study Areas	
Project Name	
M74 West Renewable Energy Park	
Project Number	Figure No.
1620015684	7.1
Date	Prepared By
August 2024	MMM
Scale	Issue
1:40,000 @A3	1
Client	
M74 West Ltd	



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Collision Risk Analysis Area

- Collision Risk Analysis Area (500 m)

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

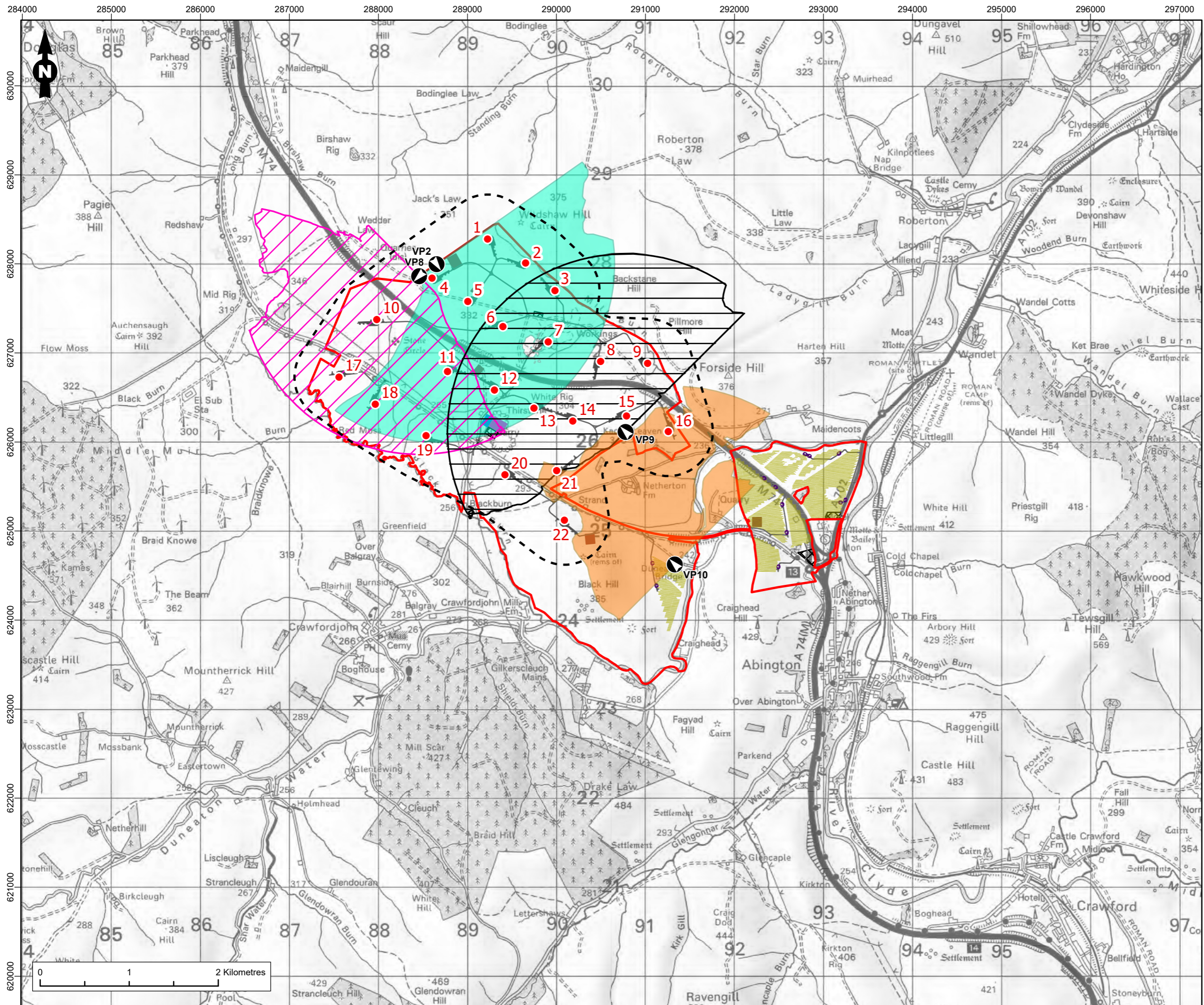
Figure Title
**Vantage Points and Viewsheds:
 2022/2023 Non-breeding Season
 (September 2022 to February 2023)**

Project Name
**M74 West Renewable
 Energy Park**

Project Number 1620015684	Figure No. 7.2
Date August 2024	Prepared By MMM
Scale 1:40,000 @A3	Issue 1

Client
M74 West Ltd





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Collision Risk Analysis Area

- Collision Risk Analysis Area (500 m)

Vantage Points and Viewsheds

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

Figure Title
Vantage Points and Viewsheds: 2023 Breeding Season (March to August 2023)

Project Name
M74 West Renewable Energy Park

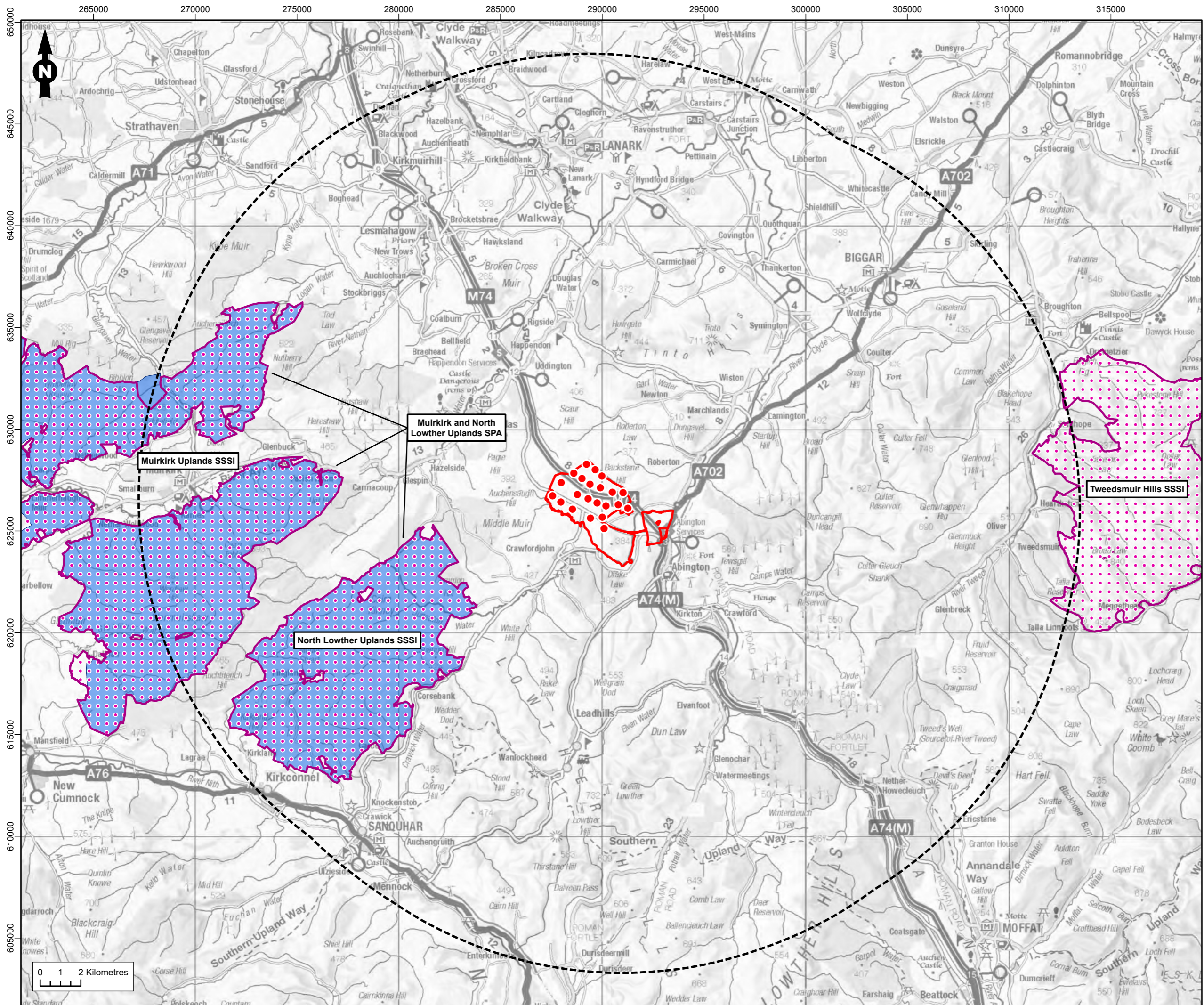
Project Number 1620015684	Figure No. 7.3
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Date August 2024	Prepared By MMM
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Scale 1:40,000 @A3	Issue 1
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Client
M74 West Ltd





Legend

- Site Boundary
- Turbines

Study Areas

- Ornithological Designated Sites Study Area (20 km)

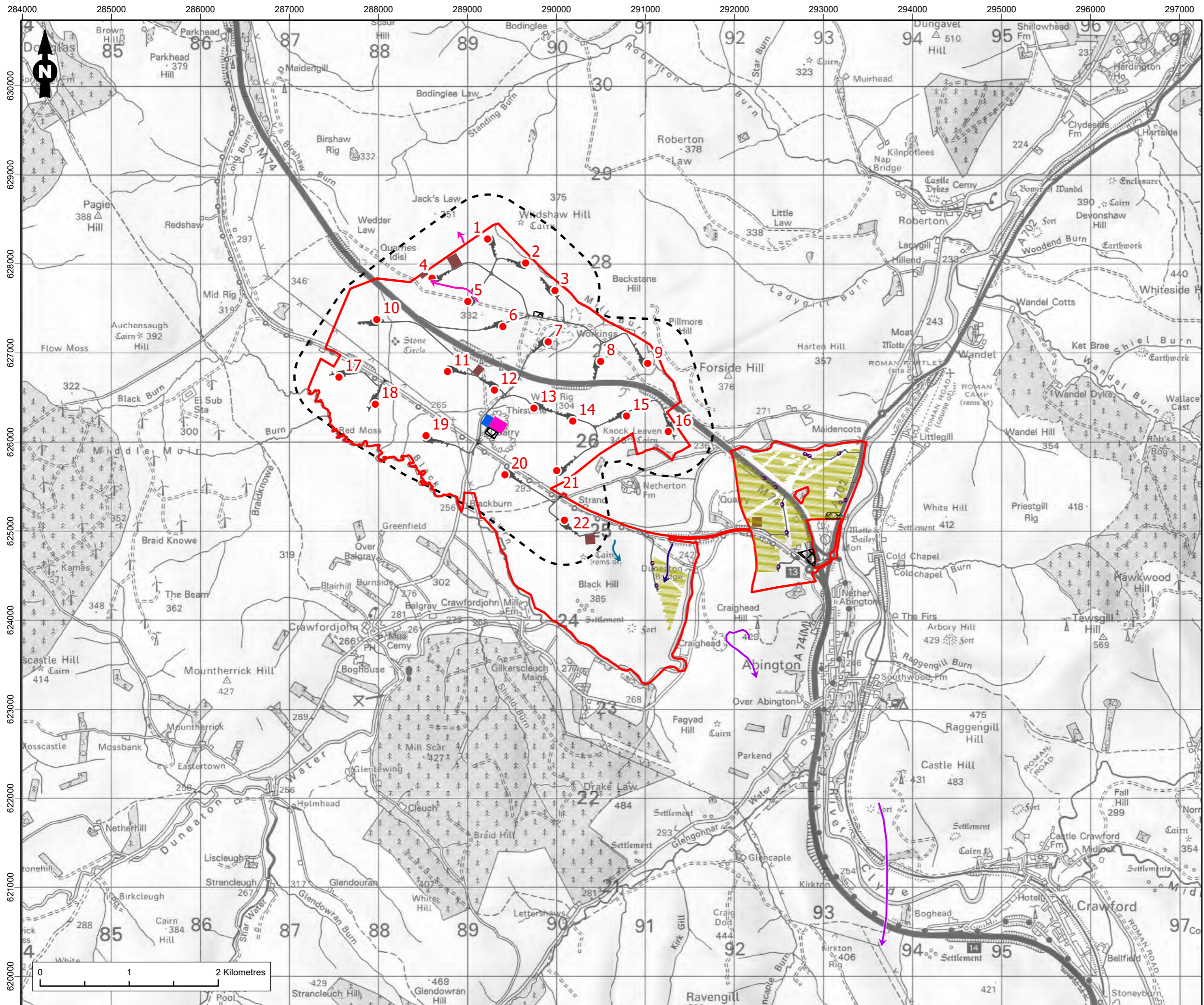
Ornithological Designated Sites

Source: NatureScot

- Special Protection Areas (SPA)
- Sites of Special Scientific Interest (SSSI)

Figure Title	
Ornithological Designated Sites within 20 km	
Project Name	
M74 West Renewable Energy Park	
Project Number	Figure No.
1620015684	7.4
Date	Prepared By
August 2024	MMM
Scale	Issue
1:175,000 @A3	1
Client	
M74 West Ltd	





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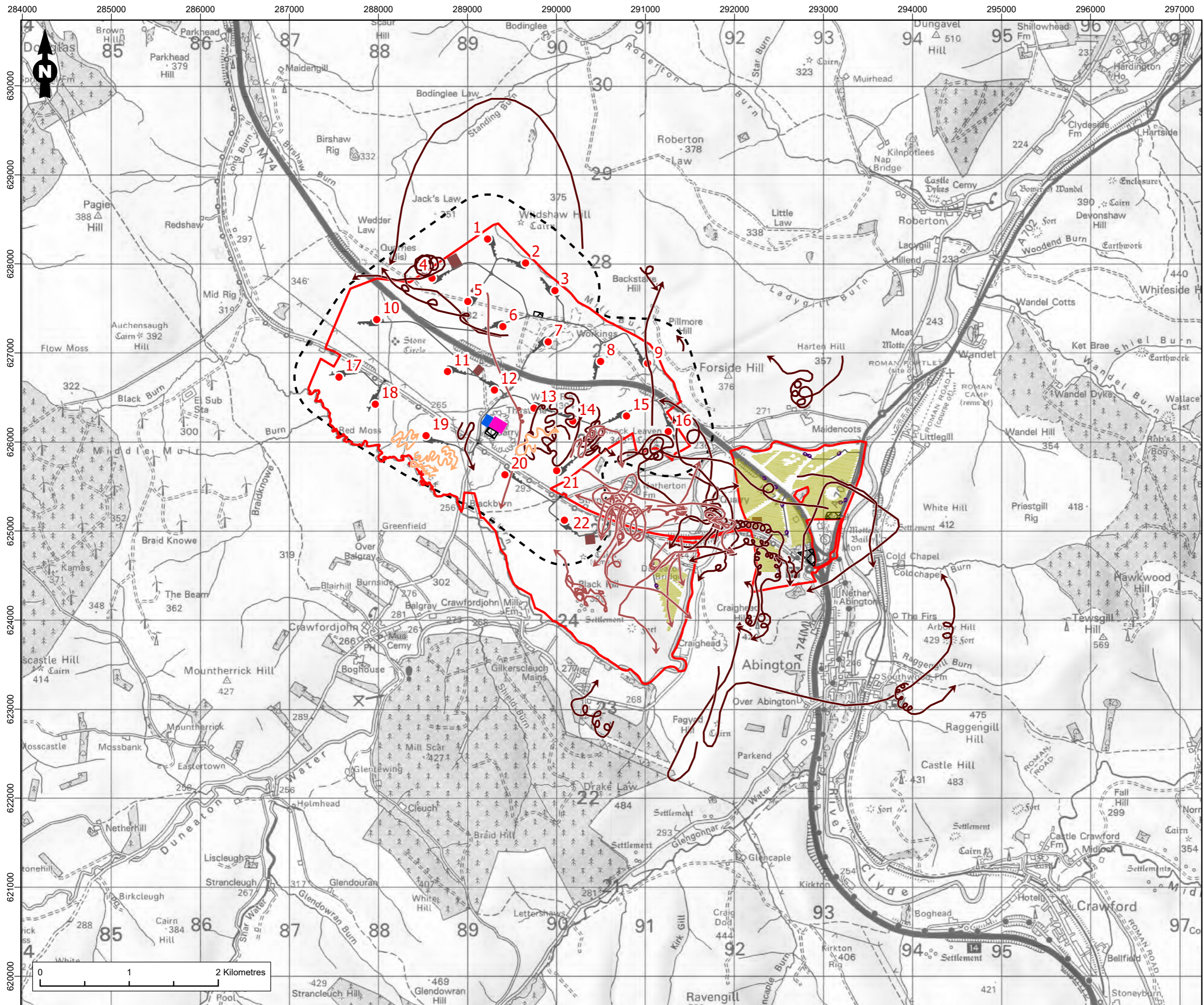
Collision Risk Analysis Area

- Collision Risk Analysis Area (500 m)

Flight Activity and Season

- Merlin, 2022/2023 Non-breeding Season
- Osprey, 2022/2023 Non-breeding Season
- Peregrine falcon, 2023 Breeding Season
- Goshawk, 2023 Breeding Season

Figure Title	
Flight Activity: Goshawk, Merlin, Osprey and Peregrine Falcon	
Project Name	
M74 West Renewable Energy Park	
Project Number	Figure No.
1620015684	7.5
Date	Prepared By
August 2024	MMM
Scale	Issue
1:40,000 @A3	1
Client	
M74 West Ltd	



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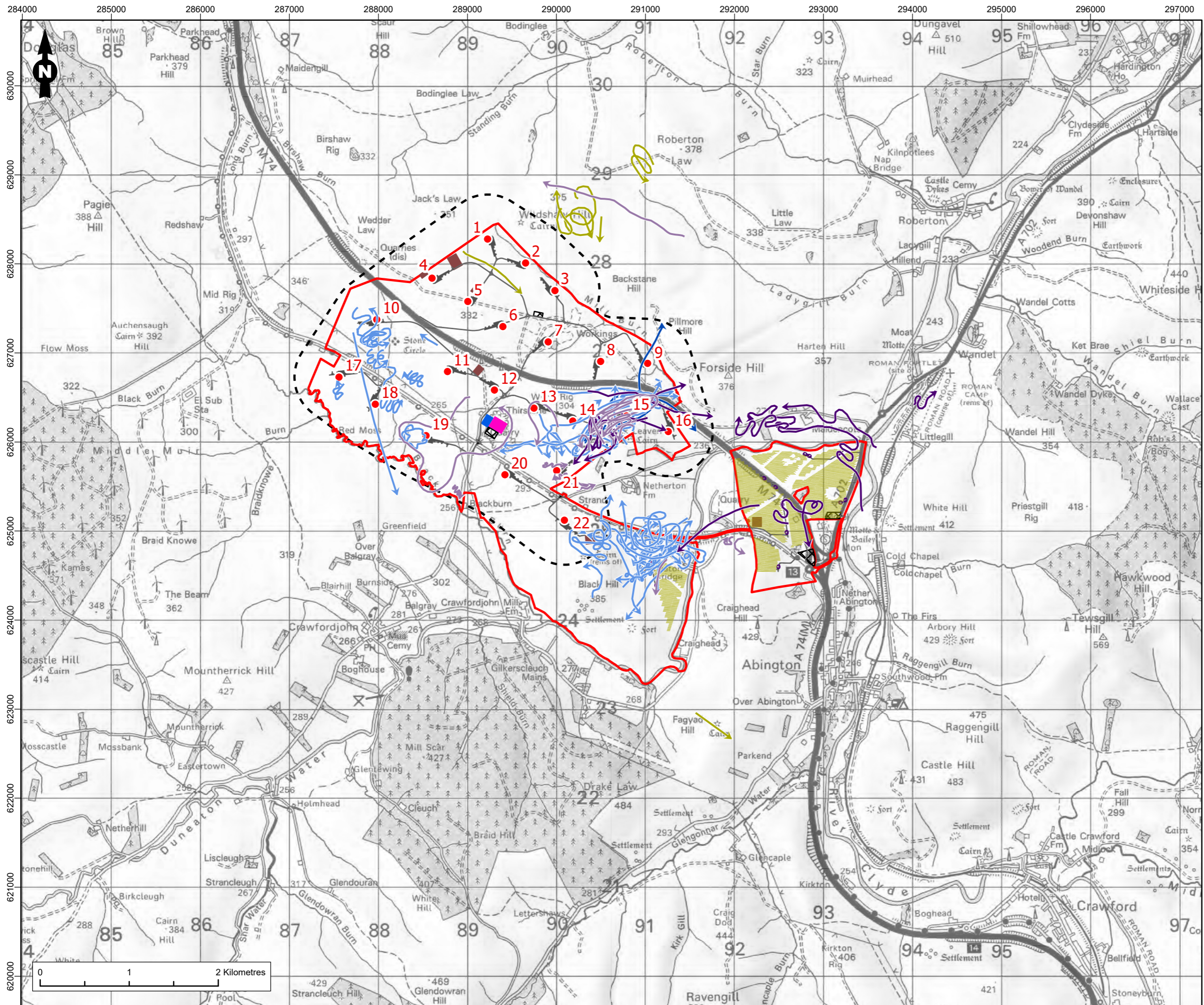
Collision Risk Analysis Area

- Collision Risk Analysis Area (500 m)

Flight Activity and Season

- Red kite, 2022/2023 Non-breeding Season
- Red kite, 2023 Breeding Season
- Short-eared owl, 2023 Breeding Season

Figure Title	
Flight Activity: Red Kite and Short-Eared Owl	
Project Name	
M74 West Renewable Energy Park	
Project Number	Figure No.
1620015684	7.6
Date	Prepared By
August 2024	MMM
Scale	Issue
1:40,000 @A3	1
Client	
M74 West Ltd	



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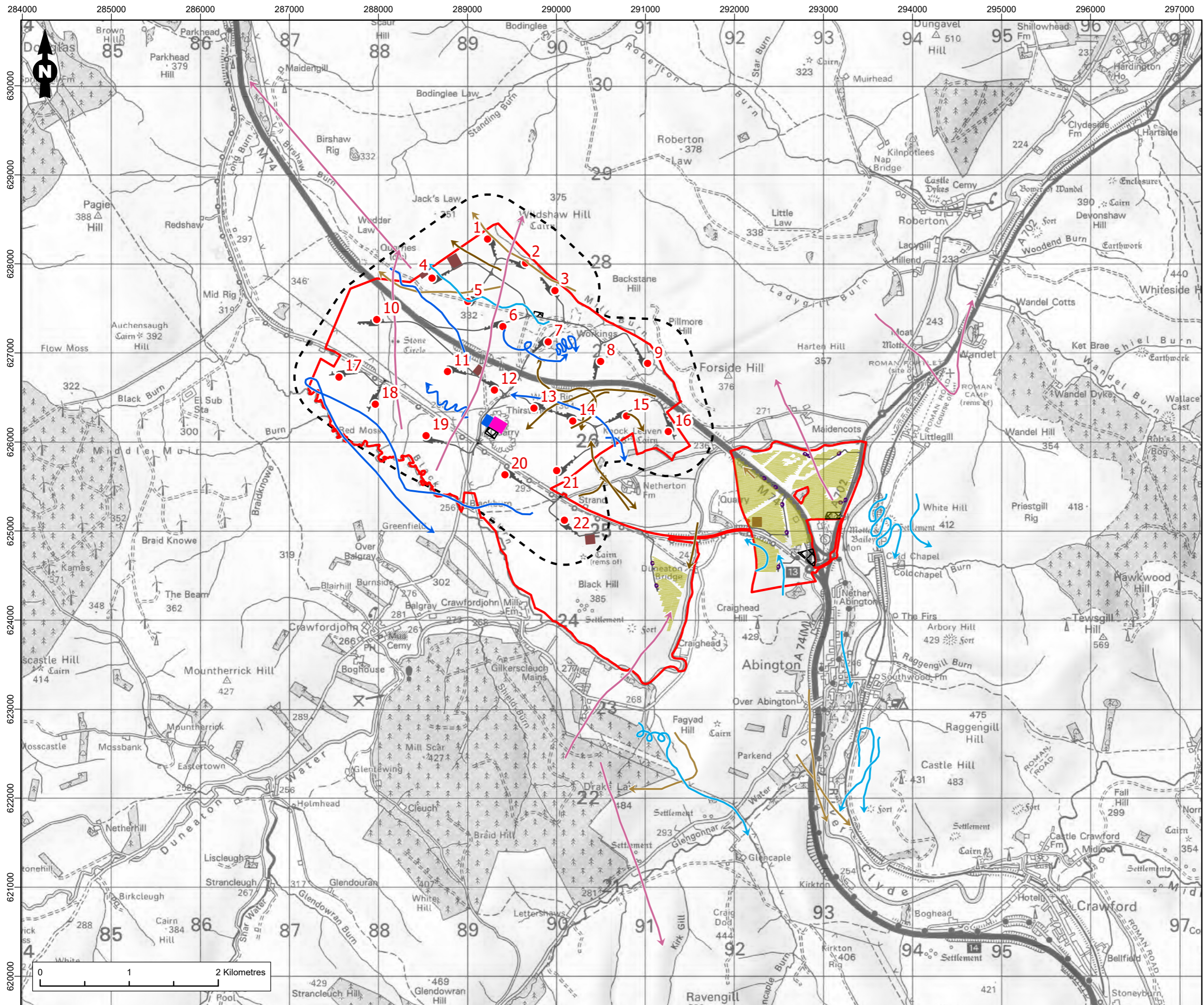
Collision Risk Analysis Area

- Collision Risk Analysis Area (500 m)

Flight Activity and Season

- Curlew, 2022/2023 Non-breeding Season
- Curlew, 2023 Breeding Season
- Golden plover, 2022/2023 Non-breeding Season
- Lapwing, 2022/2023 Non-breeding Season
- Lapwing, 2023 Breeding Season

Figure Title	
Flight Activity: Curlew, Golden Plover and Lapwing	
Project Name	
M74 West Renewable Energy Park	
Project Number	Figure No.
1620015684	7.7
Date	Prepared By
August 2024	MMM
Scale	Issue
1:40,000 @A3	1
Client	
M74 West Ltd	



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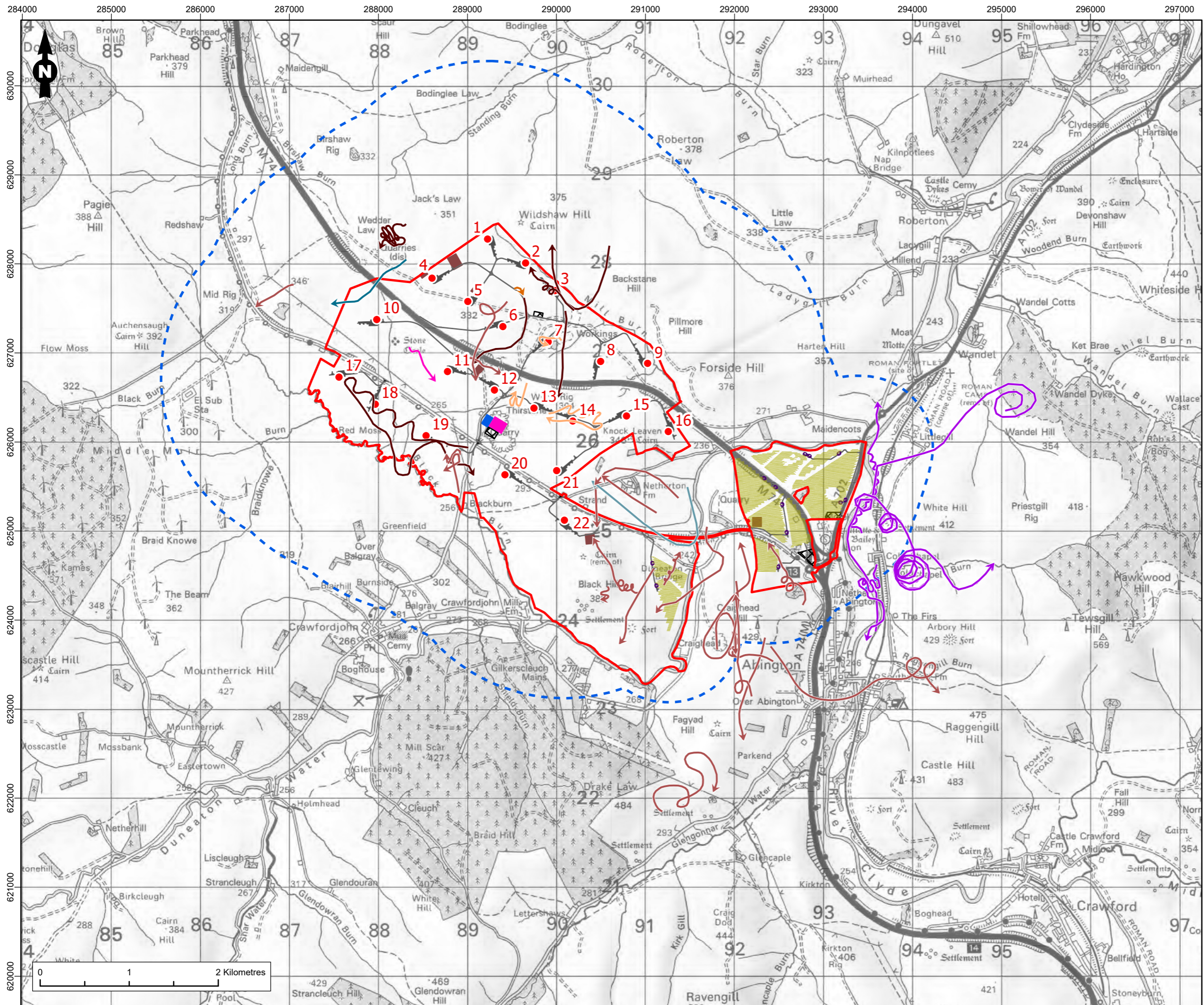
Collision Risk Analysis Area

- Collision Risk Analysis Area (500 m)

Flight Activity and Season

- Greylag goose, 2022/2023 Non-breeding Season
- Greylag goose, 2023 Breeding Season
- Herring gull, 2022/2023 Non-breeding Season
- Herring gull, 2023 Breeding Season
- Pink-footed goose, 2022/2023 Non-breeding Season

Figure Title	
Flight Activity: Greylag Goose, Herring Gull and Pink-footed Goose	
Project Name	
M74 West Renewable Energy Park	
Project Number	Figure No.
1620015684	7.8
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1:40,000 @A3	1
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M74 West Ltd	



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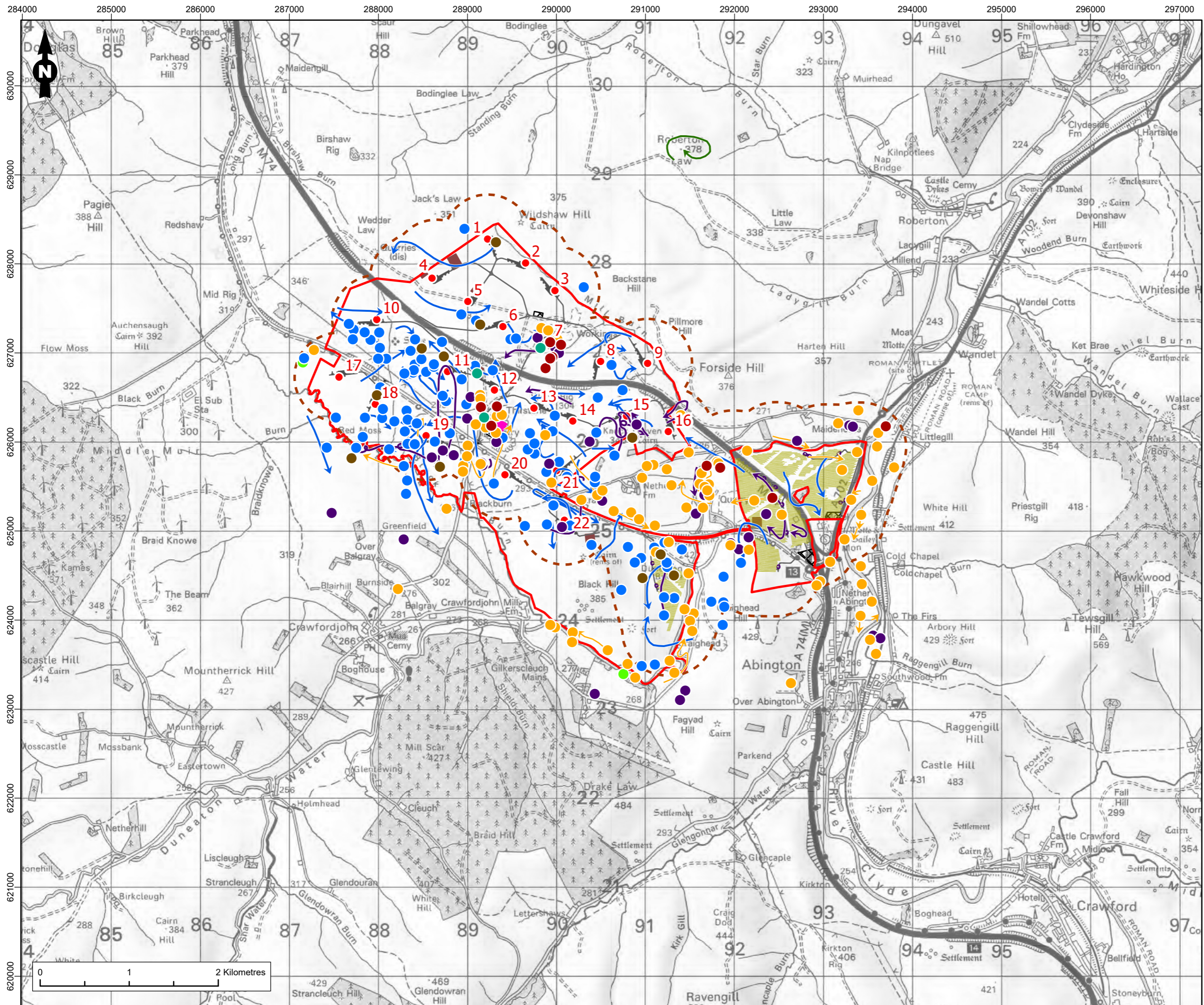
Study Areas

- Scarce breeding bird study area (2 km turbines, 800 m access track, 800 m solar array)

Raptor Activity and Season

- Merlin, 2022/2023 Non-breeding Season
- Osprey, 2023 Breeding Season
- Peregrine falcon, 2022/2023 Non-breeding Season
- Peregrine falcon, 2023 Breeding Season
- Red kite, 2022/2023 Non-breeding Season
- Red kite, 2023 Breeding Season
- Short-eared owl, 2022/2023 Non-breeding Season
- Short-eared owl, 2023 Breeding Season

Figure Title	
Raptor and Short-Eared Owl Activity (September 2022 to August 2023)	
Project Name	
M74 West Renewable Energy Park	
Project Number	Figure No.
1620015684	7.9
Date	Prepared By
August 2024	MMM
Scale	Issue
1:40,000 @A3	1
Client	
M74 West Ltd	



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Study Areas

- Breeding/wintering bird study area (turbines, access track and solar array - 500 m)

Breeding Wader Registrations

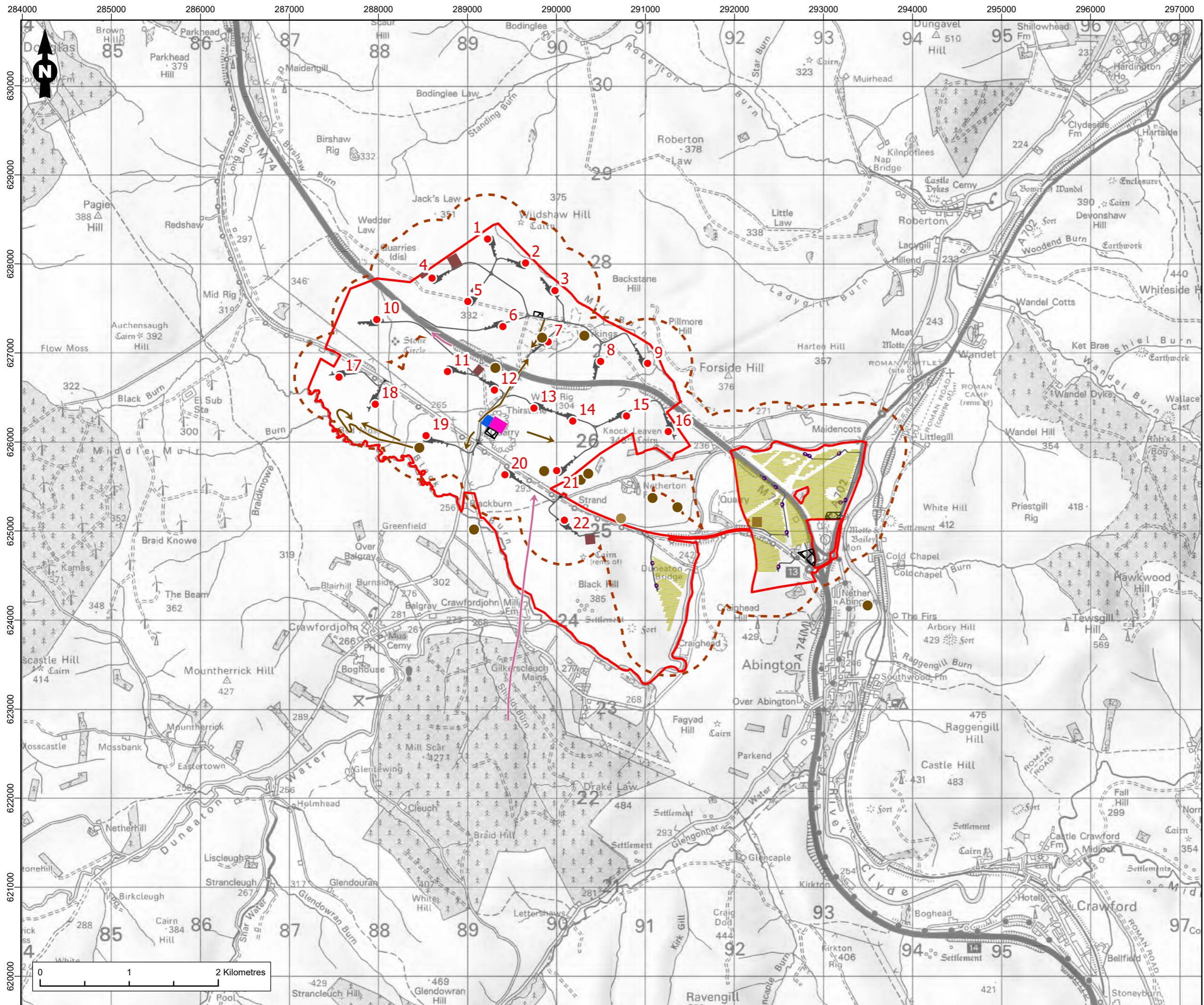
- Common sandpiper
- Curlew
- Lapwing
- Oystercatcher
- Redshank
- Ringed plover
- Snipe
- Curlew
- Golden plover
- Lapwing
- Oystercatcher

Figure Title
Breeding Wader Registrations (2023)

Project Name
M74 West Renewable Energy Park

Project Number 1620015684	Figure No. 7.10
Date August 2024	Prepared By MMM
Scale 1:40,000 @A3	Issue 1

Client
M74 West Ltd



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Study Areas

- Breeding/wintering bird study area (turbines, access track and solar array - 500 m)

Goose Flights and Season

- Greylag goose, 2023 Breeding Season
- Pink-footed goose, 2023 Breeding Season

Goose Activity and Season

- Greylag goose, 2022/2023 Non-breeding Season
- Greylag goose, 2023 Breeding Season

Figure Title	
Goose Activity (September 2022 to August 2023)	
Project Name	
M74 West Renewable Energy Park	
Project Number	Figure No.
1620015684	7.11
Date	Prepared By
August 2024	MMM
Scale	Issue
1:40,000 @A3	1
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