

**Key**

- Application Boundary
- NHZ14
- Land Ownership

Note: Argyll West and Islands Natural Heritage Zone (NHZ 14) covers the site boundary completely.

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Client Name: **Volitalia**

PROJECT TITLE: **Cruach Clanamachie Wind Farm**

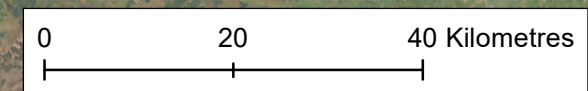
DRAWING TITLE: **Argyll West and Islands Natural Heritage Zone (NHZ 14)**

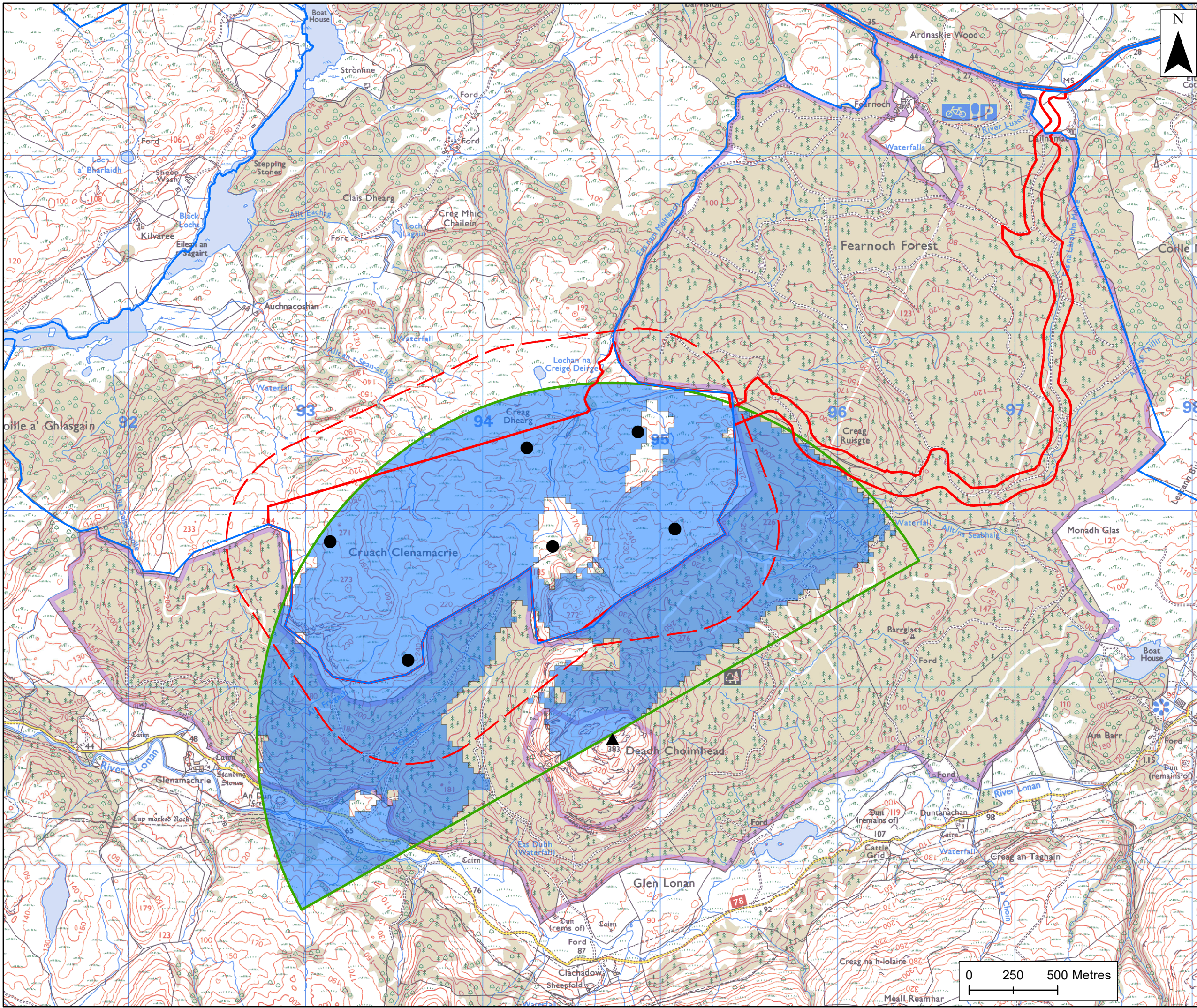
STATUS: **For Information**

DRAWN:	CHECKED:	APPROVED:	AUTHORISED:
AS	TG	TG	--

SCALE @ A3 SIZE:	DATE:	REVISION:
1:800,000	11/13/2024	P01

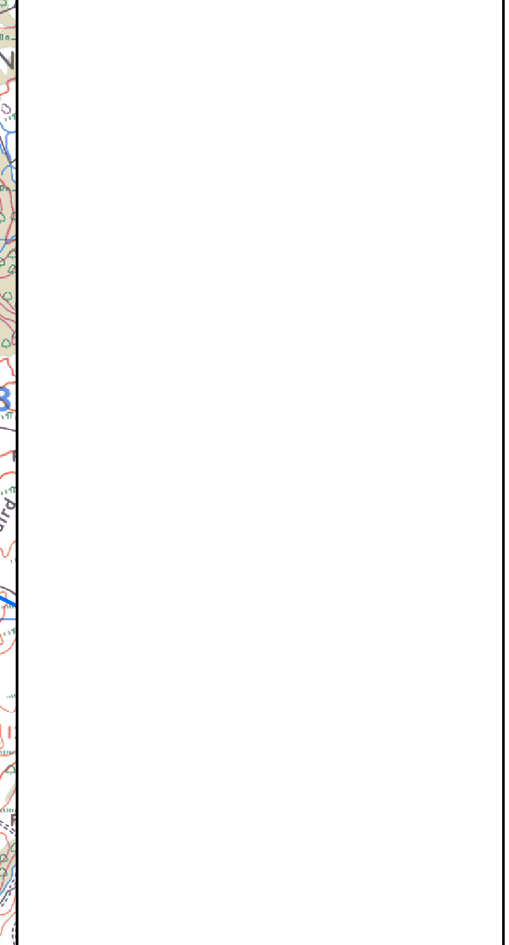
DRAWING NUMBER: **Figure 11.1**  
**Argyll West and Islands Natural Heritage Zone (NHZ 14)**





**Key**

- Application Boundary
- 500m buffer of Turbine Envelope
- 2km VP Viewing Arc
- Visible VP Viewshed
- Land Ownership
- Turbine Locations
- VP location



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Client Name: **Voltaia**

PROJECT TITLE: **Cruach Clanamachie Wind Farm**

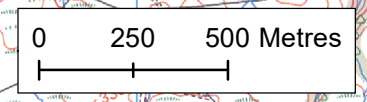
DRAWING TITLE: **Vantage Point Location and Viewshed**

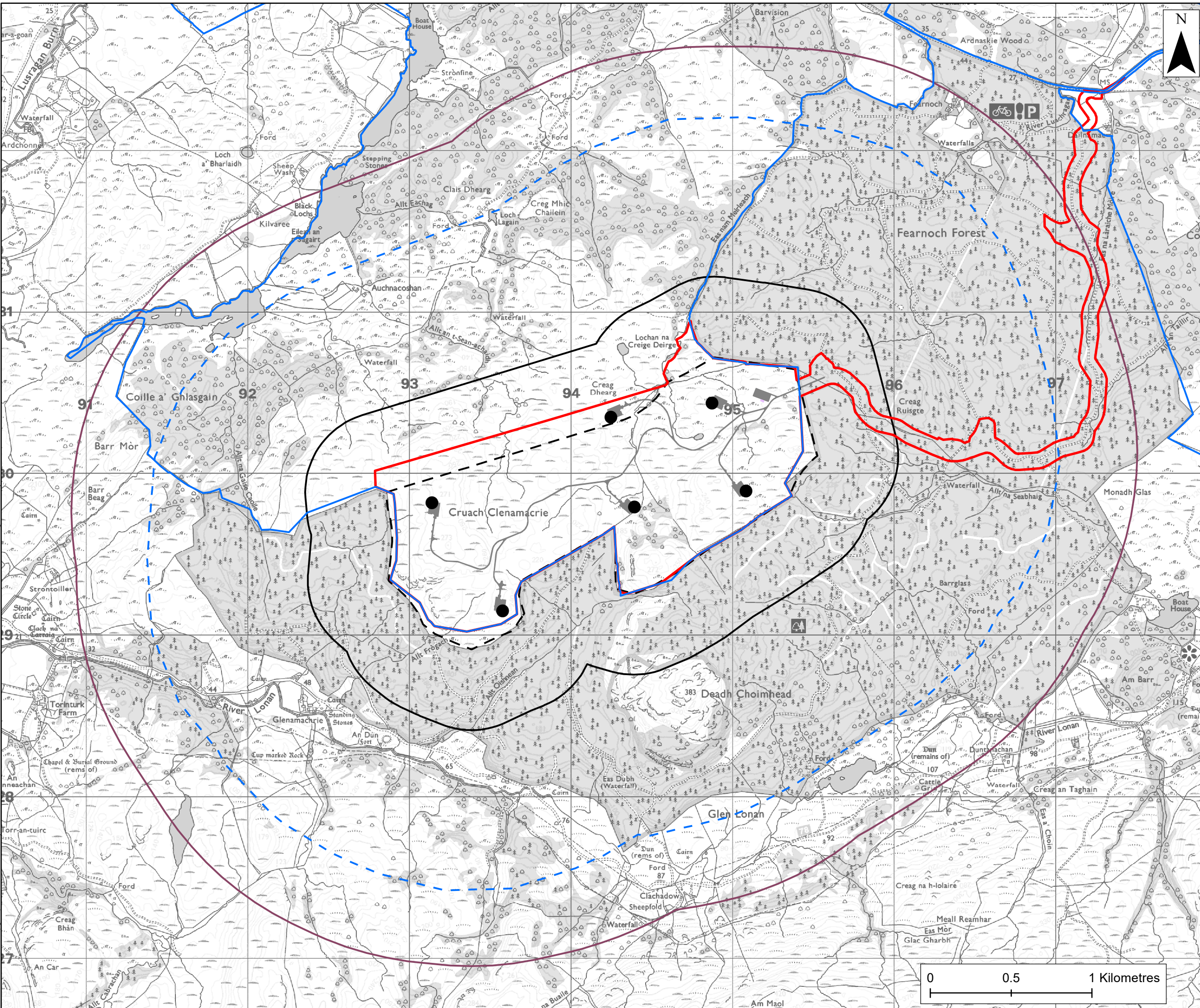
STATUS: **For Information**

DRAWN:	CHECKED:	APPROVED:	AUTHORISED:
AS	TG	TG	--

SCALE @ A3 SIZE:	DATE:	REVISION:
1:20,000	11/13/2024	P01

DRAWING NUMBER: **Figure 11.1.1 Vantage Point Location and Viewshed**





- Key**
- Application Boundary
  - Original Developable Area
  - Scarce Breeding Bird Survey Area (500m buffer)
  - Black Grouse Survey Area (1.5km Buffer)
  - Scarce Breeding Raptor Survey Area (2km Buffer)
  - Turbine Locations
  - Wind Farm Infrastructure
  - Land Ownership

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Client Name: **Voltaia**

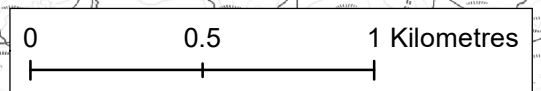
PROJECT TITLE: **Cruach Clanamachie Wind Farm**

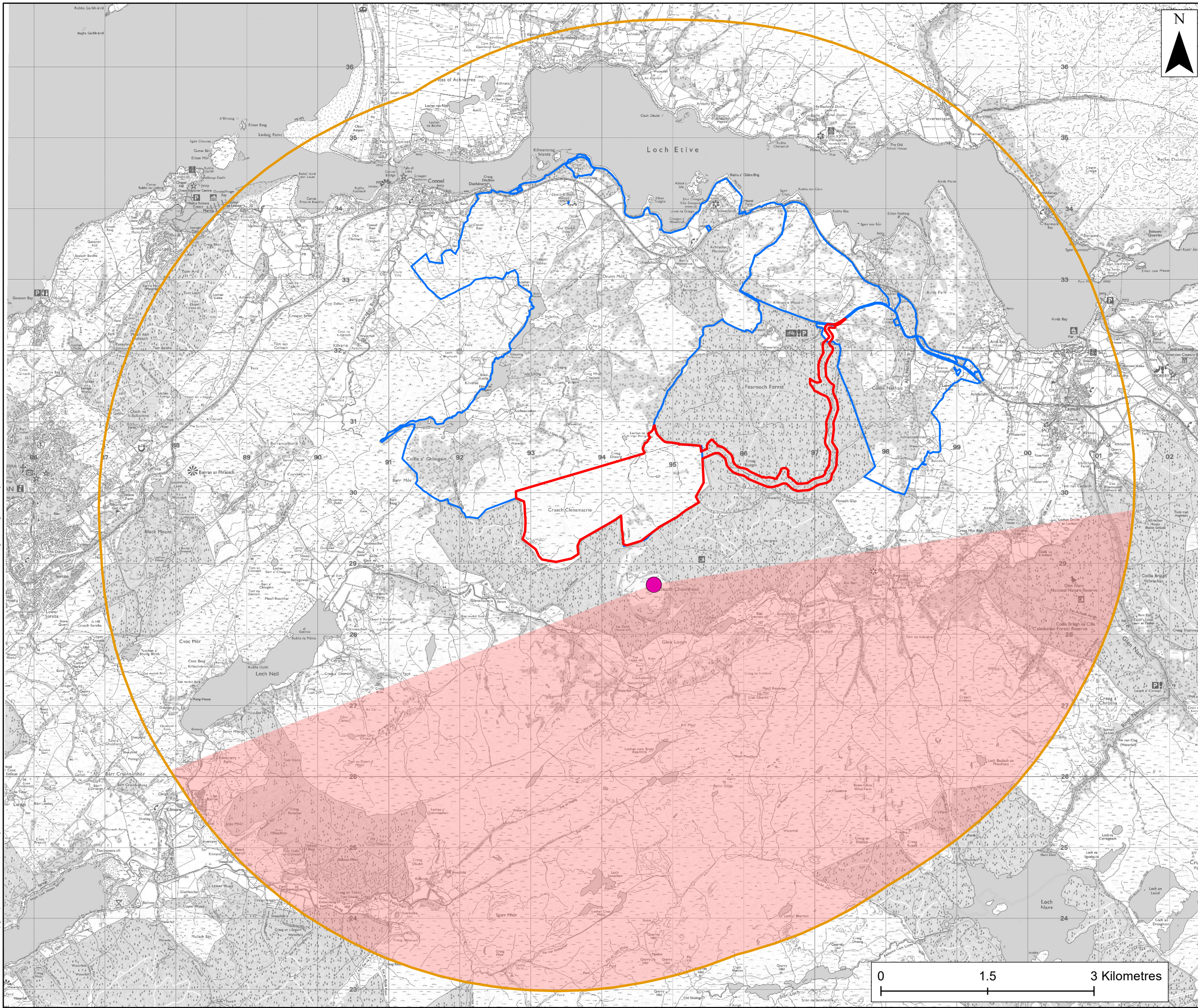
DRAWING TITLE: **Breeding Bird Survey Areas**

STATUS: **For Information**

DRAWN: AS	CHECKED: TG	APPROVED: TG	AUTHORISED: —
SCALE @ A3 SIZE: 1:22,000		DATE: 11/13/2024	REVISION: P01

DRAWING NUMBER: **Figure 11.1.2 Breeding Bird Survey Areas**





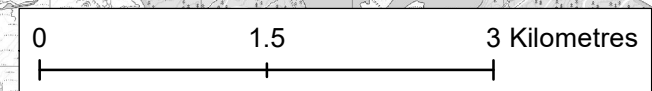
**Key**

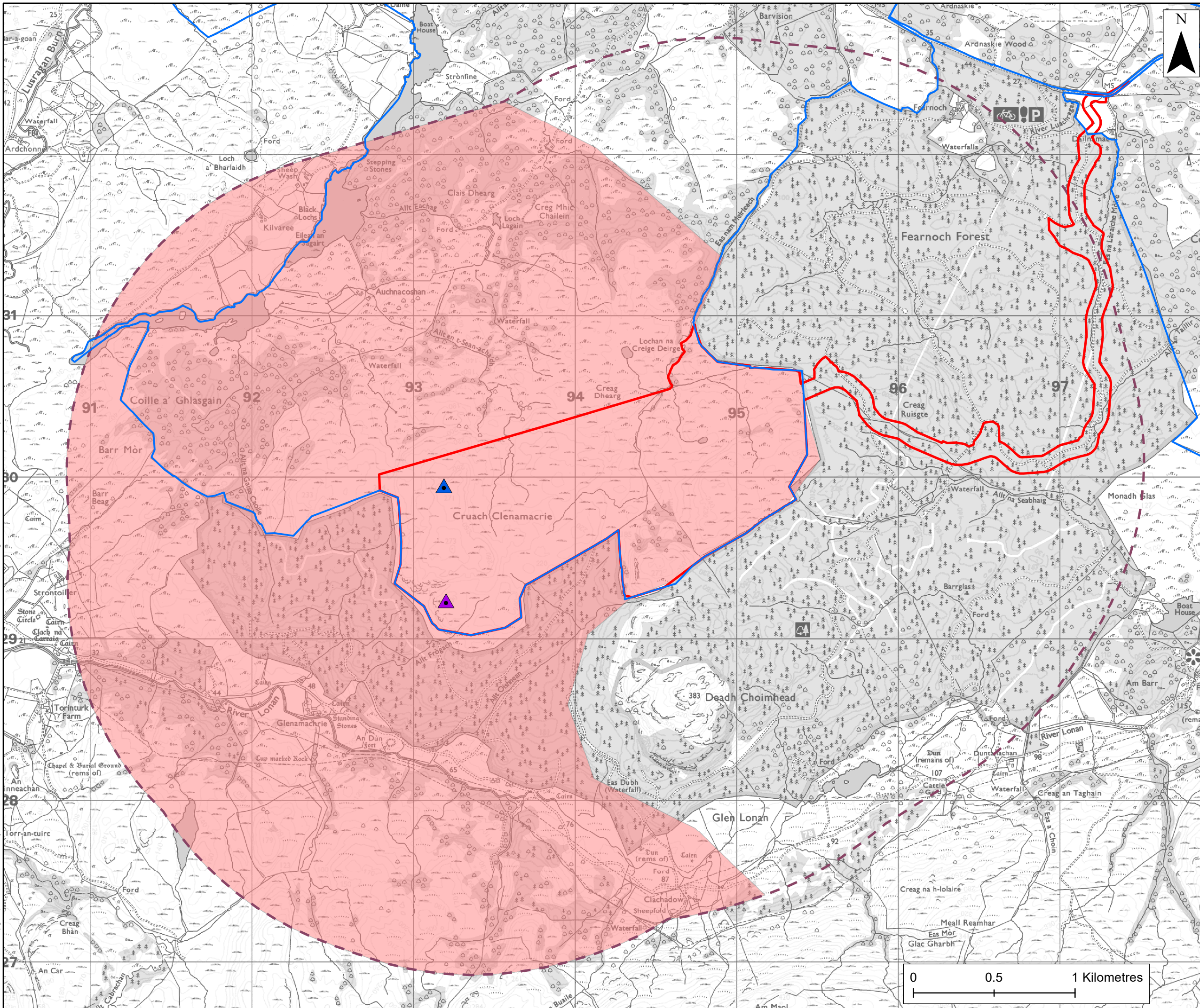
- Application Boundary
- Eagle Survey Area (6km Buffer)
- Land Ownership
- Focal Eagle Survey Area
- Eagle VP

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Client Name:				Volitalia			
PROJECT TITLE:				Cruach Clanamachie Wind Farm			
DRAWING TITLE:				Eagle Survey Area			
STATUS:				For Information			
DRAWN:	CHECKED:	APPROVED:	AUTHORISED:				
AS	TG	TG	--				
SCALE @ A3 SIZE:		DATE:	REVISION:				
1:50,000		11/14/2024	P01				
DRAWING NUMBER:				Figure 11.1.3 Eagle Survey Area			





- Key**
- Application Boundary
  - 2km Buffer
  - Roost Survey Focal
  - Land Ownership
- VPs**
- ▲ 1 (NM93182990)
  - ▲ 2 (NM93222925)

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Client Name: **Volitalia**

PROJECT TITLE: **Cruach Clanamachie Wind Farm**

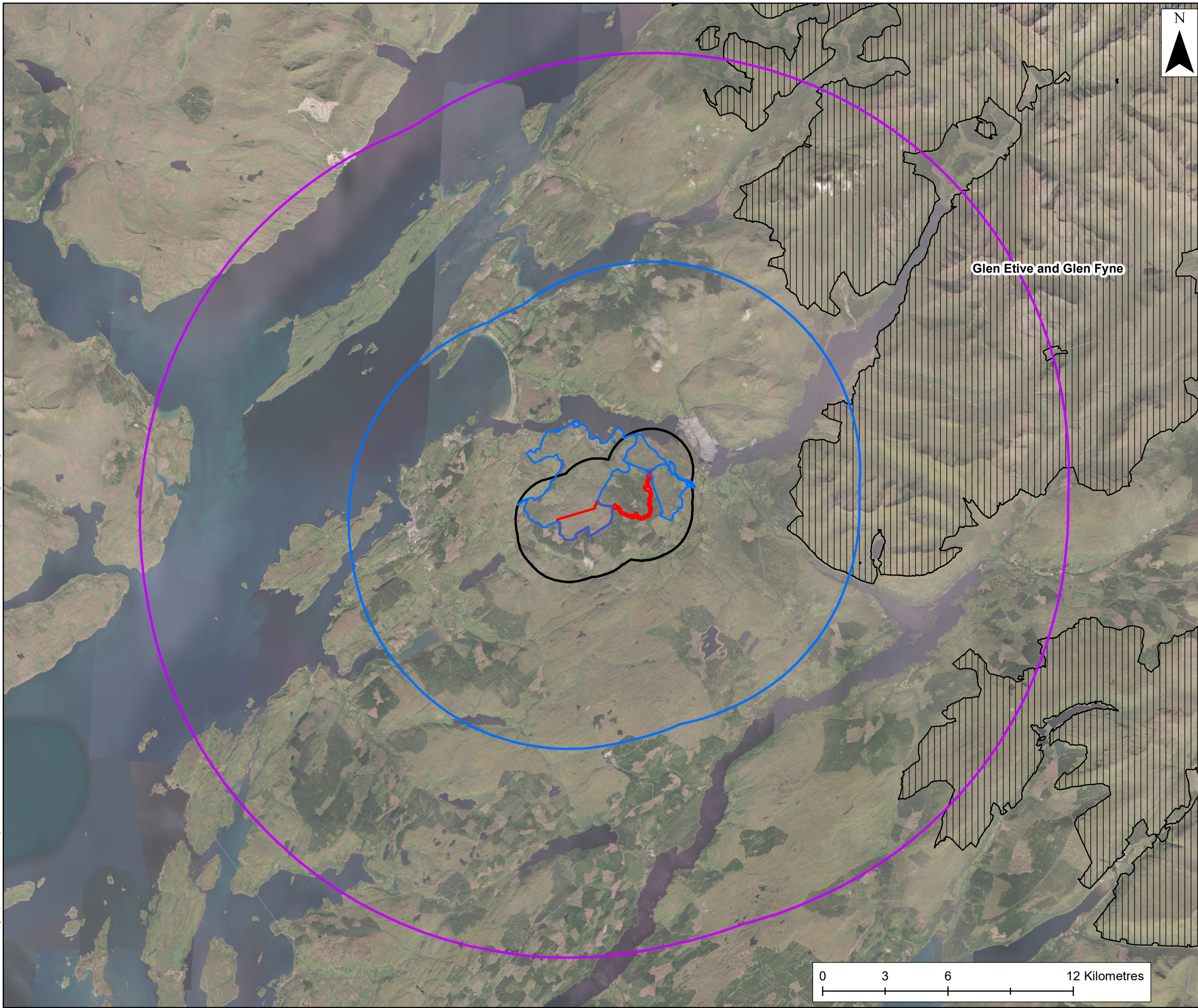
DRAWING TITLE: **Winter Hen Harrier Roost Survey Areas**

STATUS: **For Information**







DRAWN: AS	CHECKED: TG	APPROVED: TG	AUTHORISED: —
SCALE @ A3 SIZE: 1:22,000		DATE: 11/14/2024	REVISION: P01

DRAWING NUMBER: **Figure 11.14  
Winter Hen Harrier Roost Survey Areas**





**Key**

-  Application Boundary
-  Special Protection Area
-  2km Buffer
-  10km Buffer
-  20km Buffer (sites designated for 'grey geese' only)
-  Land Ownership

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Client Name: **Volitalia**

PROJECT TITLE: **Cruach Clanamachie Wind Farm**

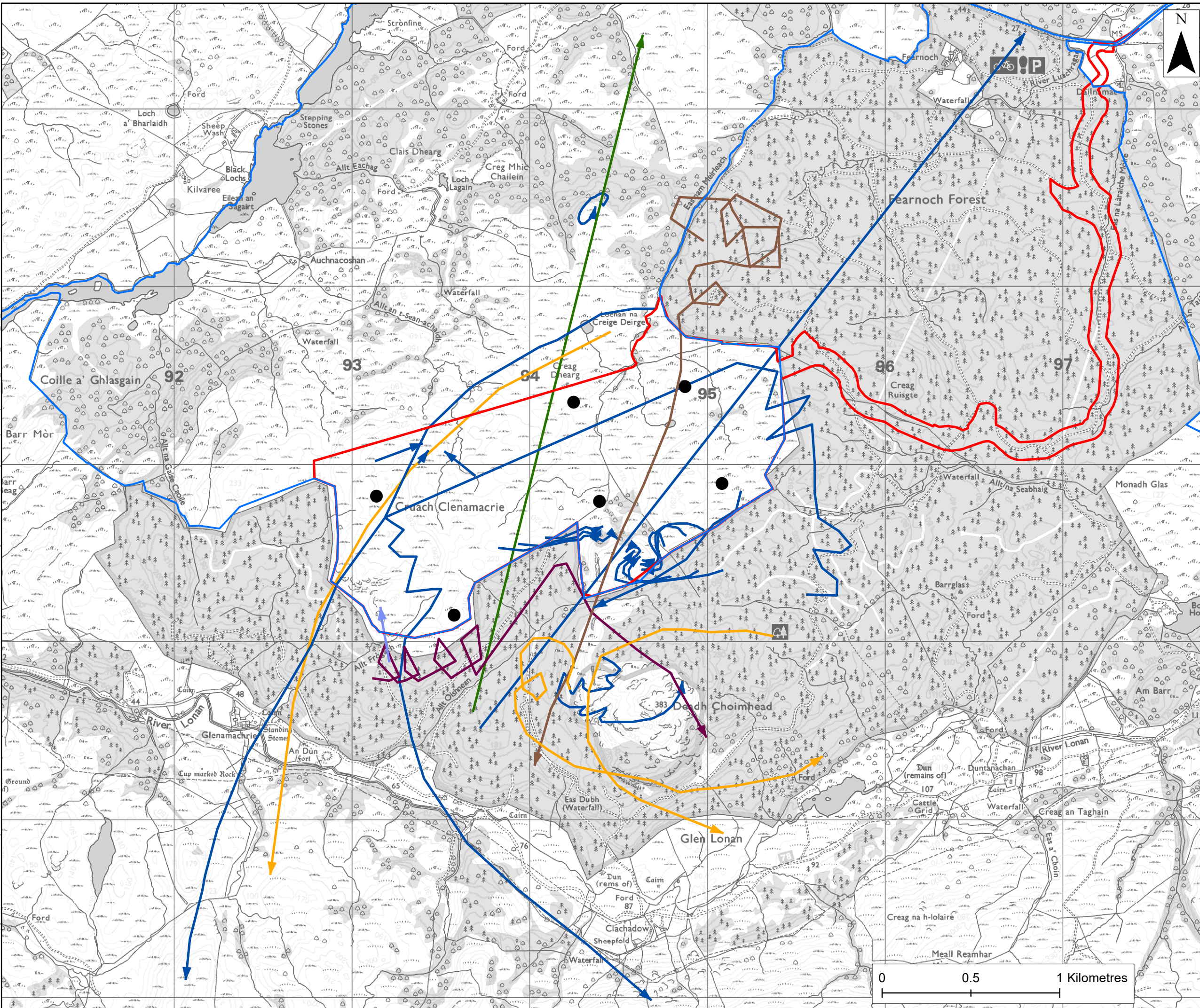
DRAWING TITLE: **Statutory Ornithological Designated Sites**

STATUS: **For Information**

DRAWN:	CHECKED:	APPROVED:	AUTHORISED:
AS	TG	TG	--

SCALE @ A3 SIZE:	DATE:	REVISION:
1:170,000	11/13/2024	P01

DRAWING NUMBER: **Figure 11.1.5**  
**Statutory Ornithological Designated Sites**



**Key**

- Application Boundary
- Land Ownership
- Turbine Locations

**Flights**

- ➔ Golden eagle (3)
- ➔ Hen harrier (18)
- ➔ Merlin (1)
- ➔ Osprey (1)
- ➔ Peregrine (1)
- ➔ White-tailed eagle (1)

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Client Name: **Volitalia**

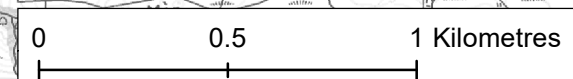
PROJECT TITLE: **Cruach Clanamachie Wind Farm**

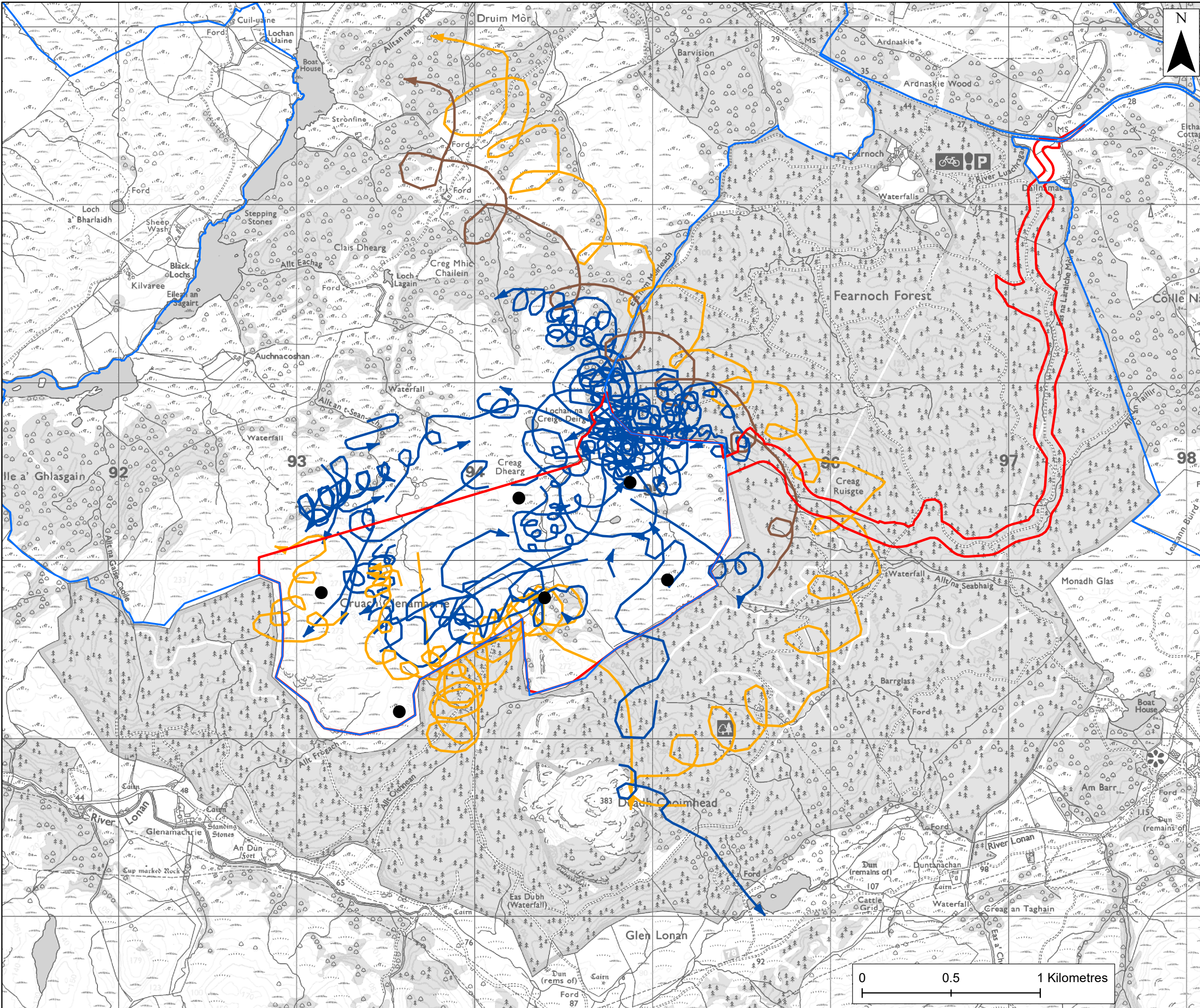
DRAWING TITLE: **Scarce Raptor Flight Activity Survey Results (Year 1 2021/22)**

STATUS: **For Information**

DRAWN: AS	CHECKED: TG	APPROVED: TG	AUTHORISED: —
SCALE @ A3 SIZE: 1:20,000		DATE: 11/14/2024	REVISION: P01

DRAWING NUMBER: **Figure 11.1.6a**  
**Scarce Raptor Flight Activity Survey Results (Year 1 2021/22)**





**Key**

- Application Boundary
- Land Ownership
- Turbine Locations

**Flights**

- ➔ Golden eagle (6)
- ➔ Hen harrier (35)
- ➔ White-tailed eagle (1)

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Client Name: **Volitalia**

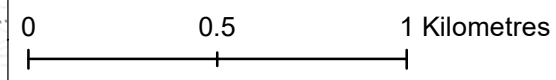
PROJECT TITLE: **Cruach Clanamacrie Wind Farm**

DRAWING TITLE: **Scarce Raptor Flight Activity Survey Results (Year 2 2022/23)**

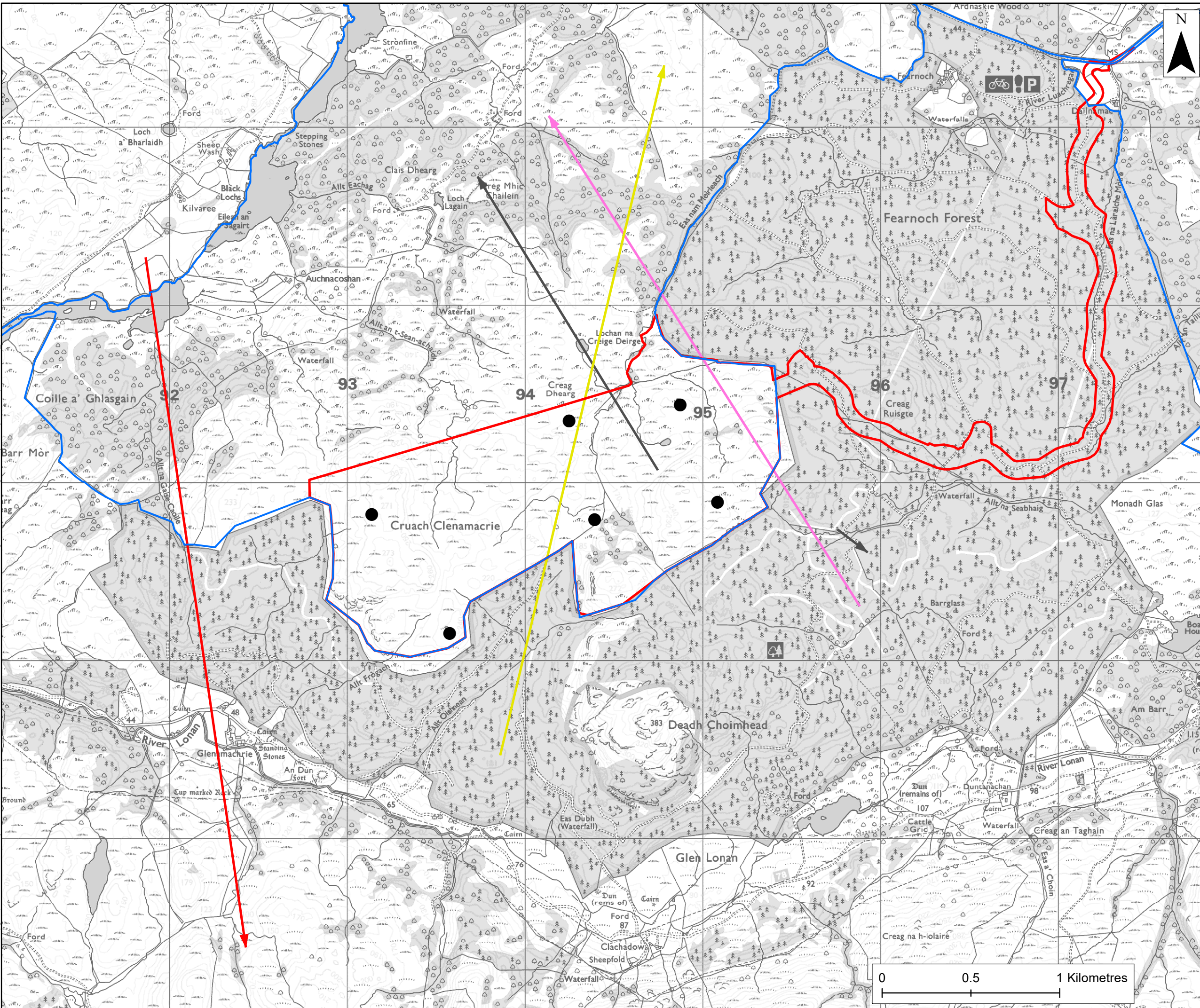
STATUS: **For Information**

DRAWN: AS	CHECKED: TG	APPROVED: TG	AUTHORISED: —
SCALE @ A3 SIZE: 1:20,000		DATE: 11/14/2024	REVISION: P01

DRAWING NUMBER: **Figure 11.1.6b  
Scarce Raptor Flight Activity Survey Results (Year 2 2022/23)**





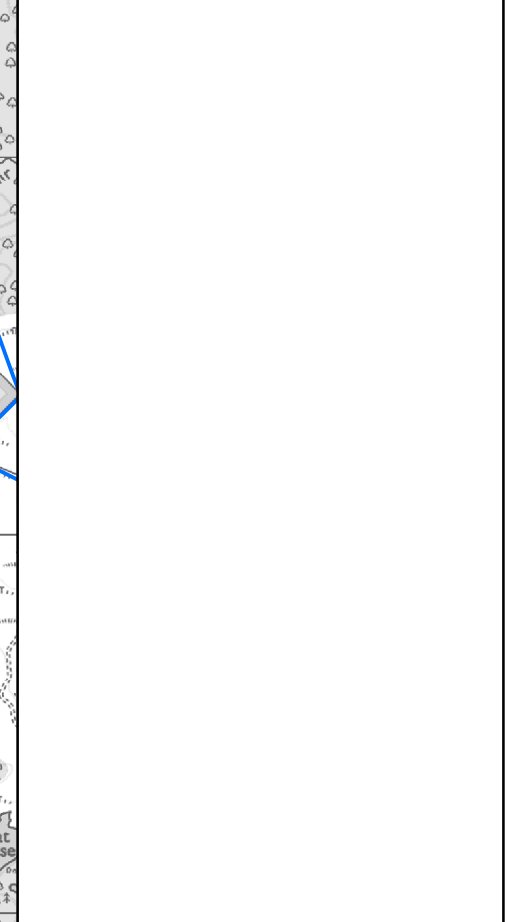


**Key**

- Application Boundary
- Land Ownership
- Turbine Locations

**Flights**

- Greylag goose (2)
- Pink-footed goose (1)
- Red-throated diver (1)
- Whooper swan (1)



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Client Name: **Volitalia**

PROJECT TITLE: **Cruach Clanamachie Wind Farm**

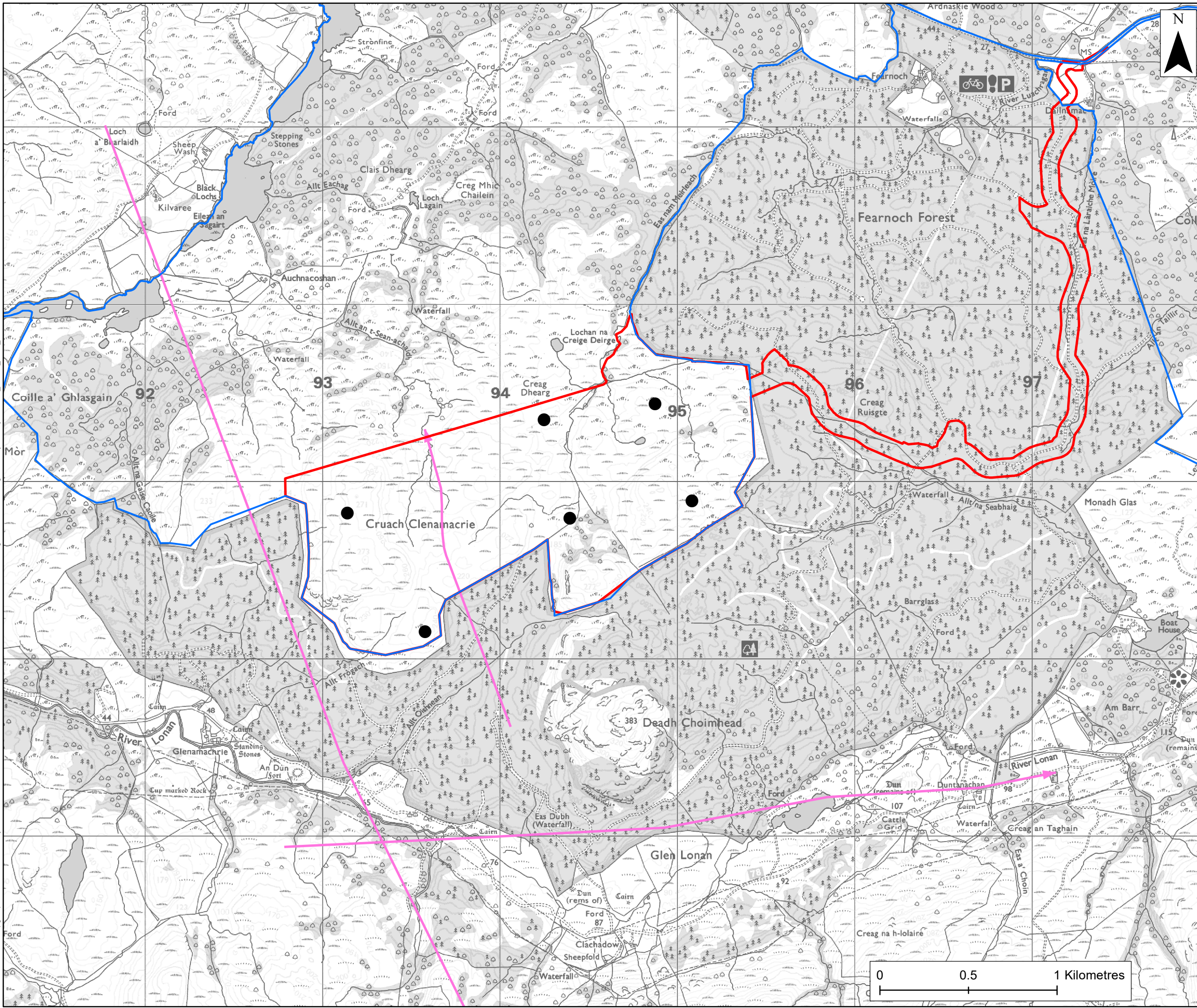
DRAWING TITLE: **Waterfowl Flight Activity Survey Results (Year 1 2021/22)**

STATUS: **For Information**

DRAWN: AS	CHECKED: TG	APPROVED: TG	AUTHORISED: —
SCALE @ A3 SIZE: 1:20,000		DATE: 11/14/2024	REVISION: P01

DRAWING NUMBER: **Figure 11.1.7a  
Waterfowl Flight Activity Survey Results (Year 1 2021/22)**





**Key**

- Application Boundary
- Land Ownership
- Turbine Locations

**Flights**

- ➔ Pink-footed goose (3)

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WSP

Client Name: **Volitalia**

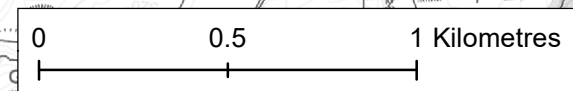
PROJECT TITLE: **Cruach Clanamachie Wind Farm**

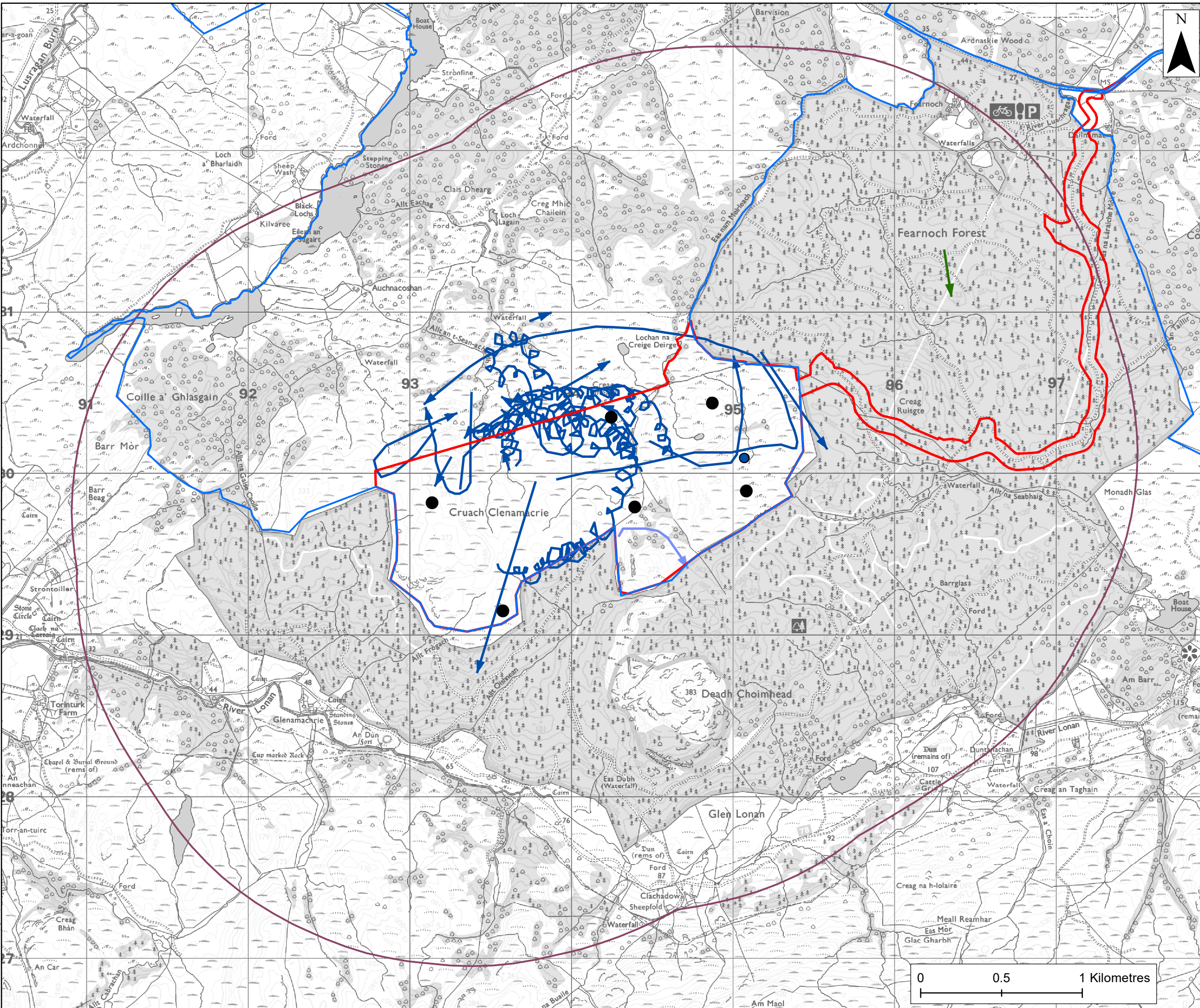
DRAWING TITLE: **Waterfowl Flight Activity Survey Results (Year 2 2022/23)**

STATUS: **For Information**

DRAWN: AS	CHECKED: TG	APPROVED: TG	AUTHORISED: —
SCALE @ A3 SIZE: 1:20,000		DATE: 11/14/2024	REVISION: P01

DRAWING NUMBER: **Figure 11.1.7b**  
**Waterfowl Flight Activity Survey Results (Year 2 2022/23)**





- Key**
- Application Boundary
  - Scarce Breeding Raptor Survey Area (2km Buffer)
  - Land Ownership
  - Turbine Locations
- Flights**
- ➔ Hen harrier
  - ➔ Merlin
  - ➔ Osprey
- Observations**
- Hen harrier

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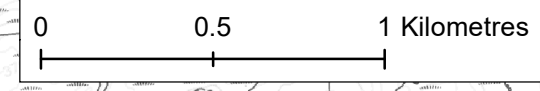
Client Name: **Volitalia**

PROJECT TITLE: **Cruach Clanmacrie Wind Farm**

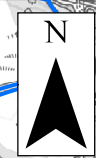
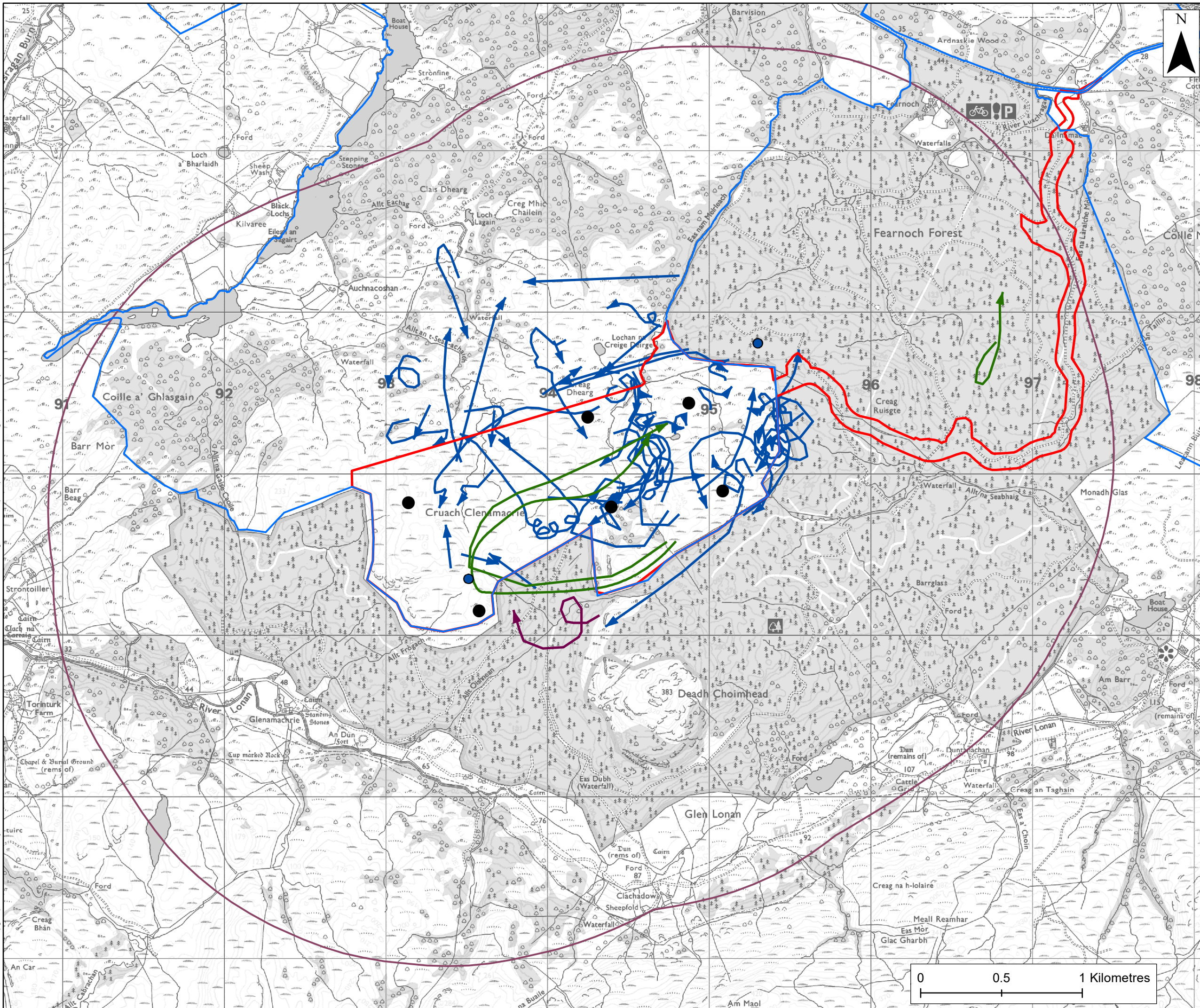
DRAWING TITLE: **Scarce Breeding Raptor Survey Results**

STATUS: **For Information**

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SCALE @ A3 SIZE: 1:22,000		DATE: 11/14/2024	REVISION: P01



DRAWING NUMBER: **Figure 11.1.8a**  
**Scarce Breeding Raptor Survey Results (Year 1 2021)**

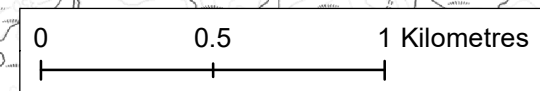


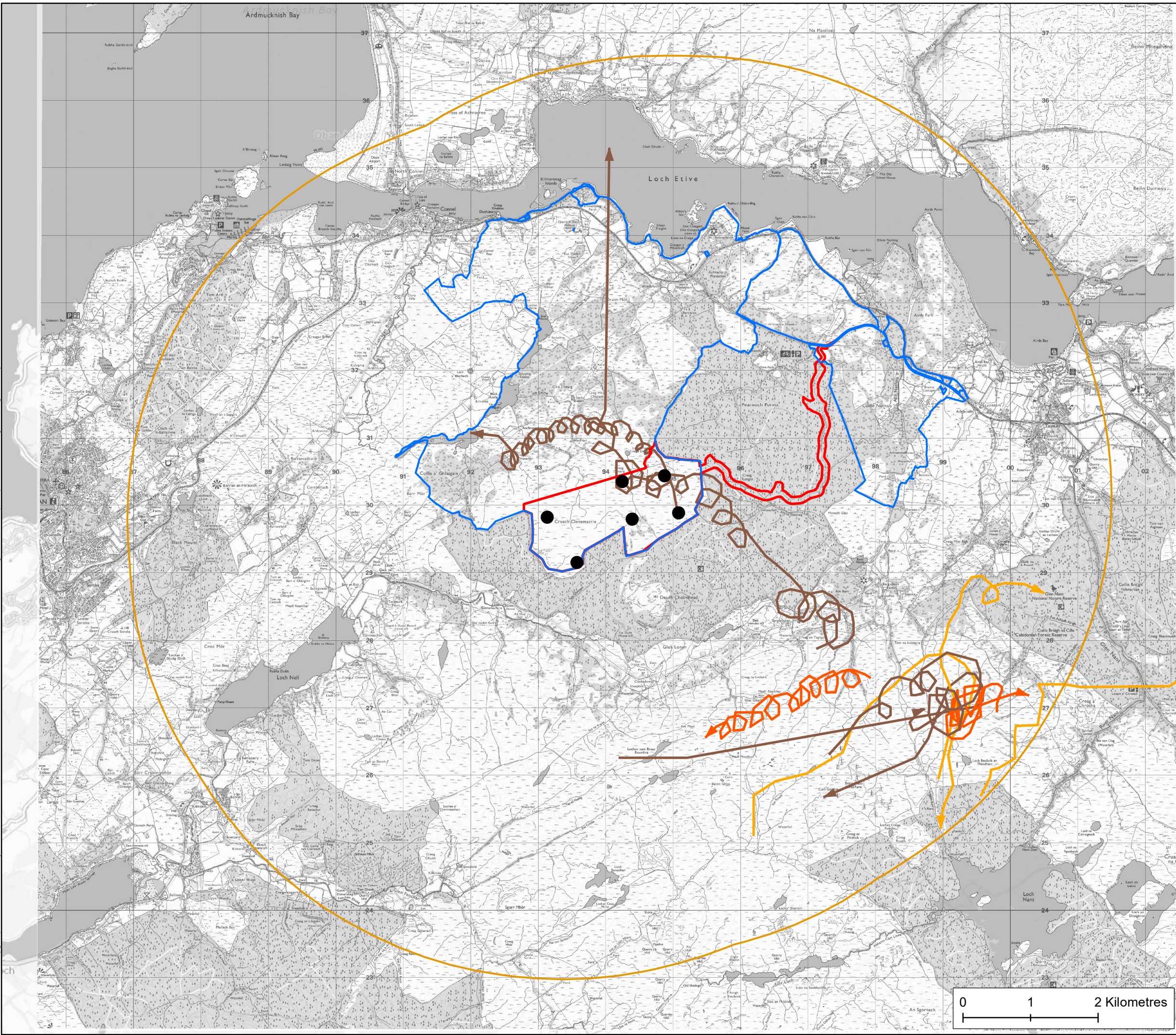
- Key**
- Application Boundary
  - Scarce Breeding Raptor Survey Area (2km Buffer)
  - Land Ownership
  - Turbine Locations
- Flights**
- ➔ Hen harrier
  - ➔ Osprey
  - ➔ Peregrine
- Observations**
- Hen harrier

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Client Name:				Volitalia			
PROJECT TITLE:				Cruach Clanamachie Wind Farm			
DRAWING TITLE:				Scarce Breeding Raptor Survey Results			
STATUS:				For Information			
DRAWN:	CHECKED:	APPROVED:	AUTHORISED:				
AS	TG	TG	—				
SCALE @ A3 SIZE:		DATE:	REVISION:				
1:22,000		11/14/2024	P01				
DRAWING NUMBER:				Figure 11.1.8b Scarce Breeding Raptor Survey Results			





**Key**

- Application Boundary
- Eagle Survey Area (6km Buffer)
- Land Ownership
- Turbine Locations

**Flights**

- ➔ Golden eagle
- ➔ Red kite
- ➔ White-tailed eagle

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Client Name:

**Voltaia**

PROJECT TITLE:

**Cruach Clanamachie Wind Farm**

DRAWING TITLE:

**Scarce Breeding Bird Eagle Survey Data (Year 1 2021)**

STATUS:

For Information

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APPROVED:

TG

AUTHORISED:

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SCALE @ A3 SIZE:

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DATE:

11/13/2024

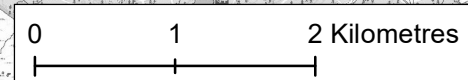
REVISION:

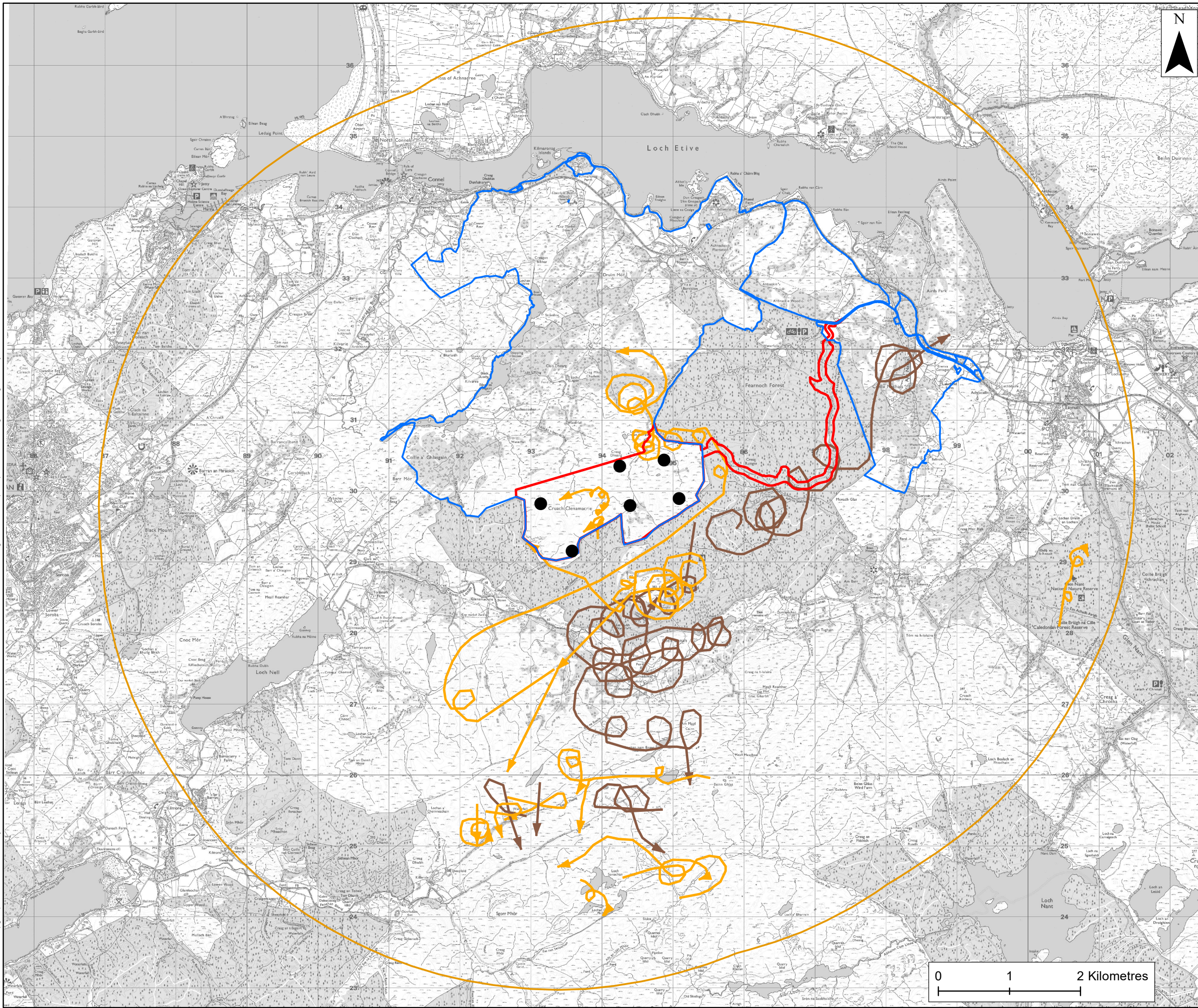
P01

DRAWING NUMBER:

Figure 11.1.9a

**Scarce Breeding Bird Eagle Survey Data (Year 1 2021)**





**Key**

- Application Boundary
- Eagle Survey Area (6km Buffer)
- Land Ownership
- Turbine Locations

**Flights**

- ➔ Golden eagle
- ➔ White-tailed eagle

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Client Name: **Volitalia**

PROJECT TITLE: **Cruach Clanamachie Wind Farm**

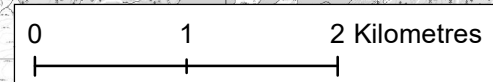
DRAWING TITLE: **Eagle Survey Results**

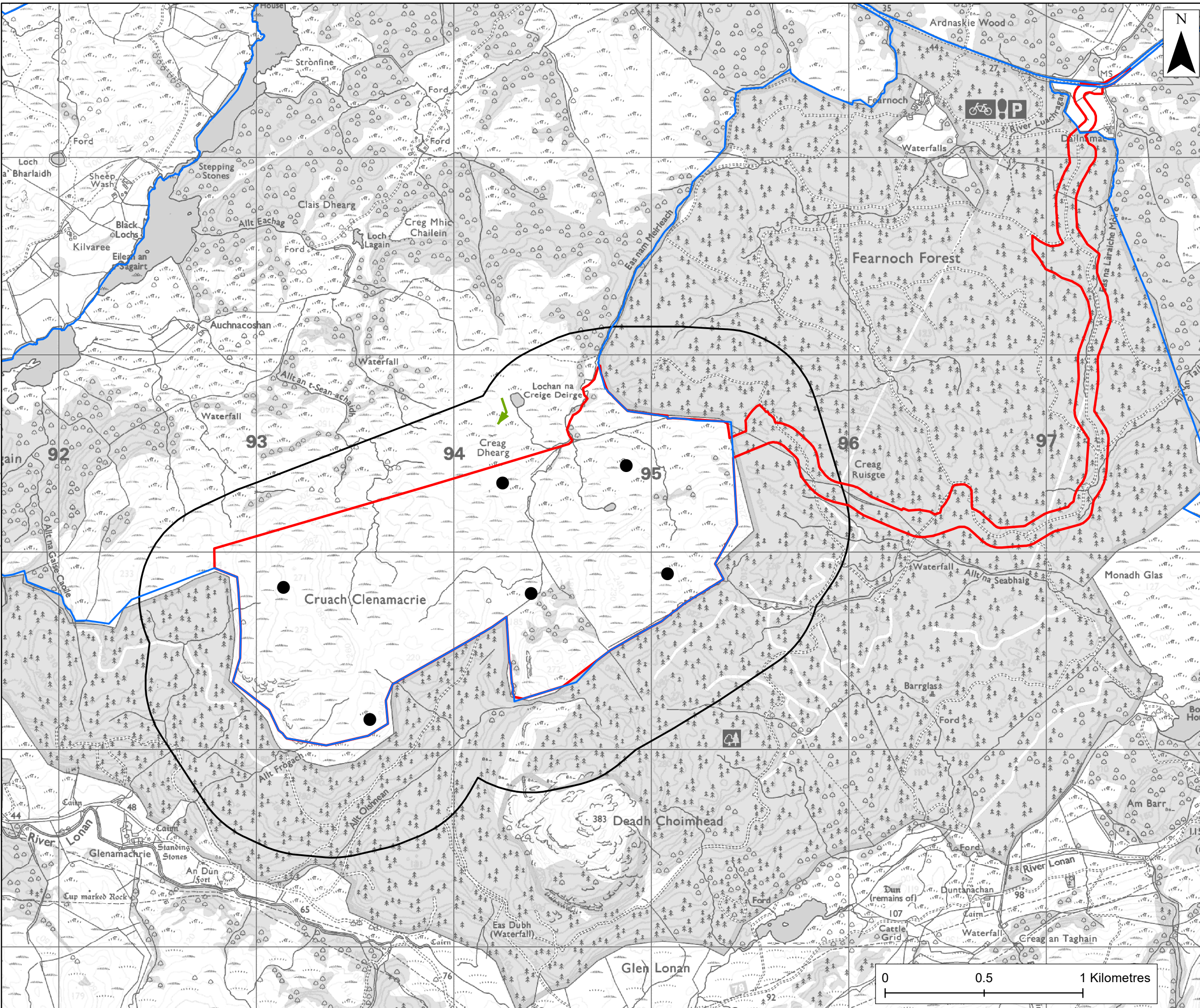
STATUS: **For Information**

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<b>SCALE @ A3 SIZE:</b> 1:50,000	<b>DATE:</b> 11/13/2024	<b>REVISION:</b> P01
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DRAWING NUMBER: **Figure 11.1.9b  
Eagle Survey Results**





**Key**

- Application Boundary
- 500m Flight Activity Survey Area
- Land Ownership
- Turbine Locations

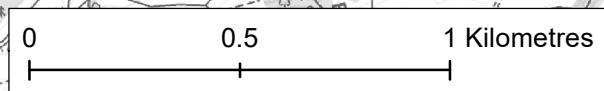
**Flights**

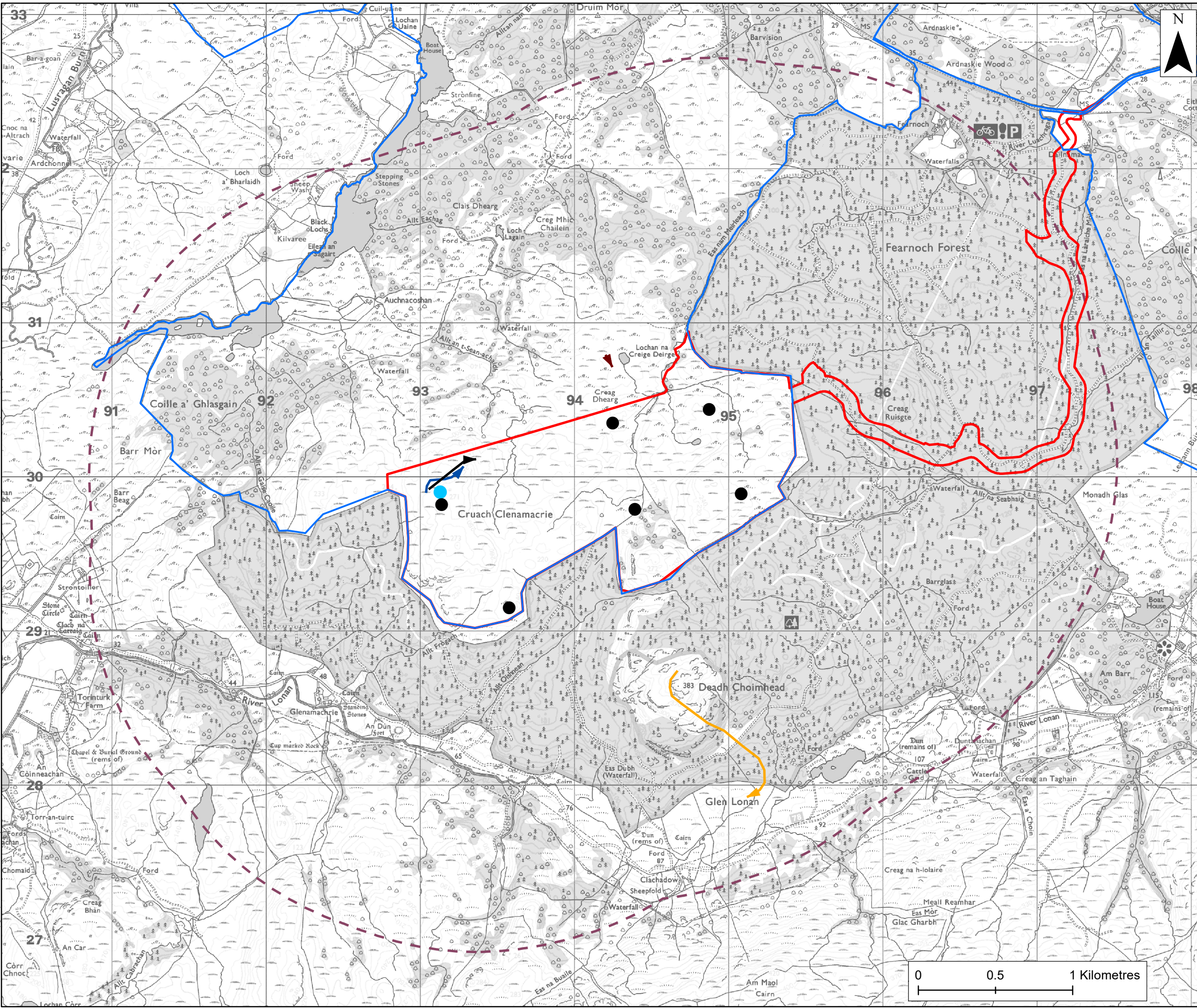
- ➔ Greenshank

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Client Name:				Volitalia			
PROJECT TITLE:				Cruach Clanamachie Wind Farm			
DRAWING TITLE:				Scarce Breeding Wader Survey Results (2021 & 2022)			
STATUS:				For Information			
DRAWN:	CHECKED:	APPROVED:	AUTHORISED:				
AS	TG	TG	—				
SCALE @ A3 SIZE:		DATE:		REVISION:			
1:18,000		11/13/2024		P01			
DRAWING NUMBER:				Figure 11.1.10 Scarce Breeding Wader Survey Results (2021 & 2022)			





**Key**

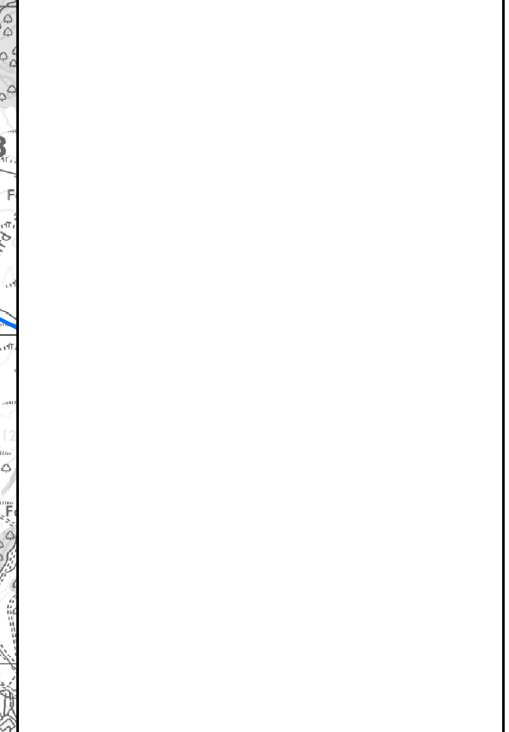
- Application Boundary
- 2km Hen Harrier Roost
- Survey Area
- Land Ownership
- Turbine Locations

**Flights**

- ➔ Golden eagle
- ➔ Hen harrier
- ➔ Short-eared owl
- ➔ Black grouse

**Observations**

- Black grouse



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Client Name: **Volitalia**

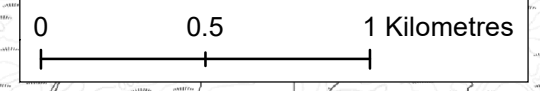
PROJECT TITLE: **Cruach Clanamachie Wind Farm**

DRAWING TITLE: **Hen Harrier Winter Roost Survey Results (2023/24)**

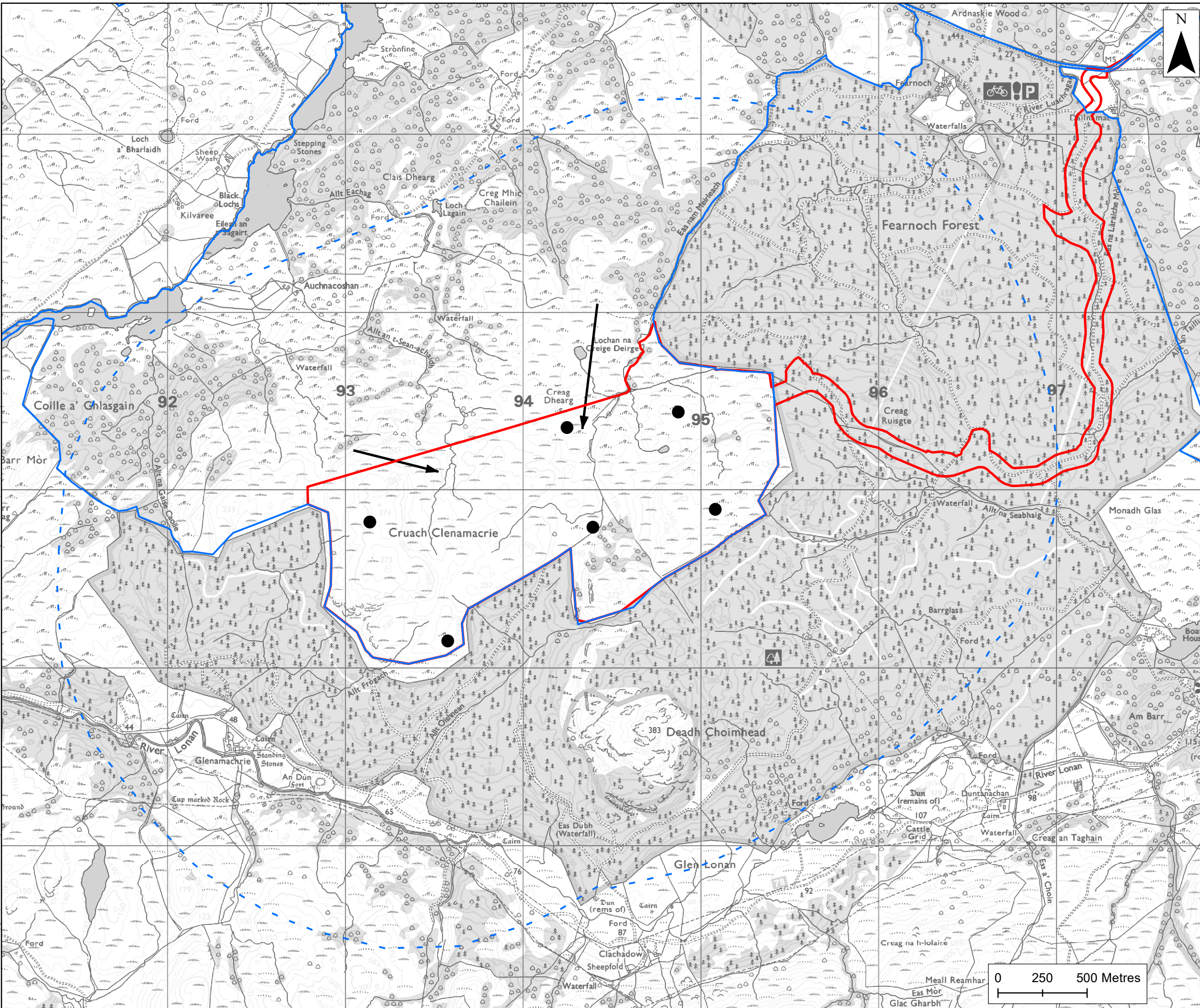
STATUS: **For Information**

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SCALE @ A3 SIZE: 1:23,000		DATE: 11/14/2024	REVISION: P01

DRAWING NUMBER: **Figure 11.11  
Hen Harrier Winter Roost Survey Results (2023/24)**







- Key**
- Application Boundary
  - Black Grouse Survey Areas (1.5km Buffer)
  - Land Ownership
  - Turbine Locations
  - Black grouse flights

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Client Name: **Volitalia**

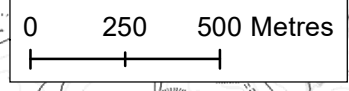
PROJECT TITLE: **Cruach Clanamachie Wind Farm**

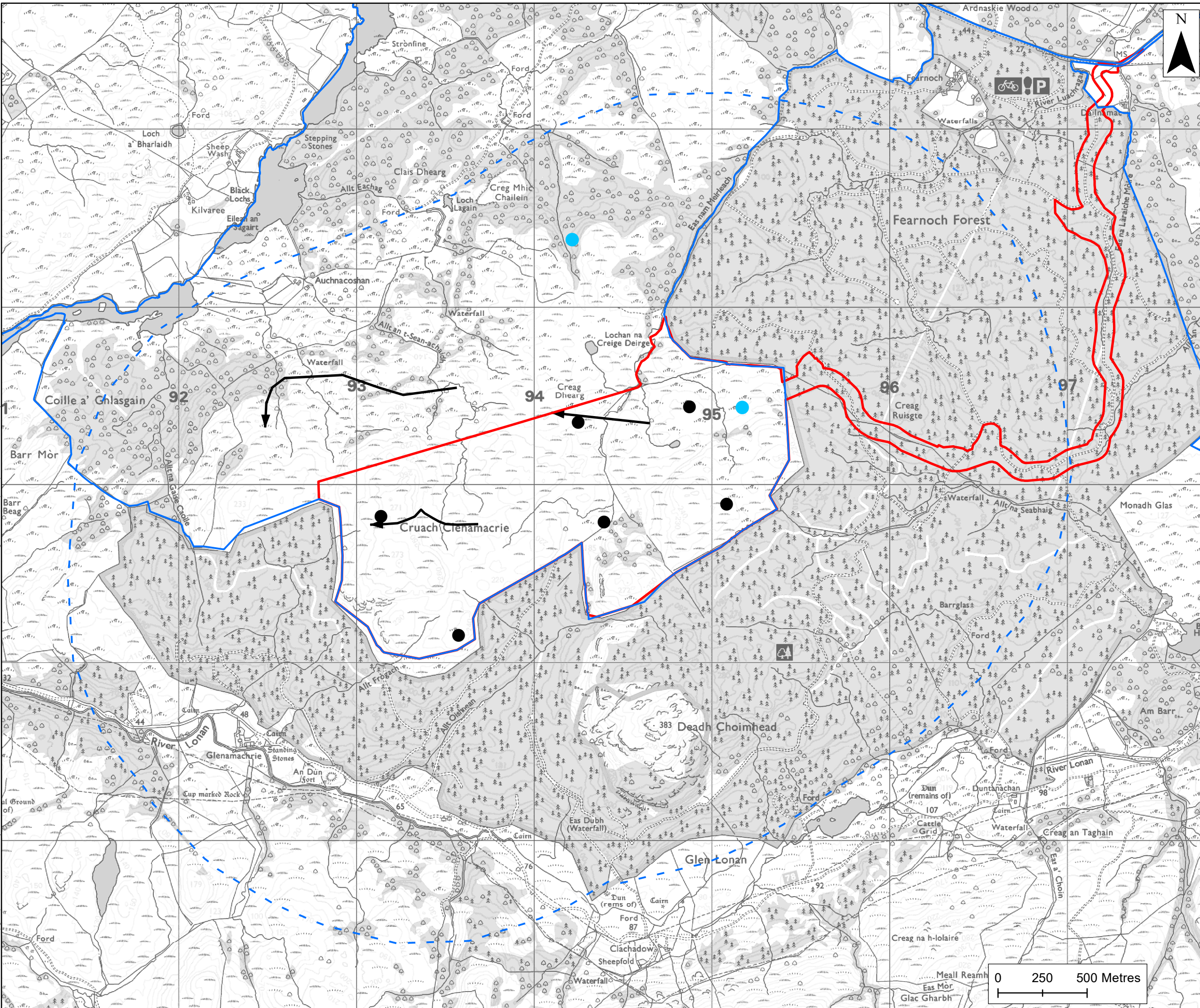
DRAWING TITLE: **Black Grouse Survey Results Year 1 (2021)**

STATUS: **For Information**

DRAWN: AS	CHECKED: TG	APPROVED: TG	AUTHORISED: —
SCALE @ A3 SIZE: 1:20,000		DATE: 11/13/2024	REVISION: P01

DRAWING NUMBER: **Figure 11.1.12a  
Black Grouse Survey Results  
Year 1 (2021)**





**Key**

- Application Boundary
- Black Grouse Survey Areas (1.5km Buffer)
- Land Ownership
- Turbine Locations
- Black grouse flights
- Black grouse observations

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Client Name: **Volitalia**

PROJECT TITLE: **Cruach Clanamachie Wind Farm**

DRAWING TITLE: **Black Grouse Survey Results Year 2 (2022)**

STATUS: **For Information**

DRAWN: AS	CHECKED: TG	APPROVED: TG	AUTHORISED: —
SCALE @ A3 SIZE: 1:20,000		DATE: 11/13/2024	REVISION: P01

DRAWING NUMBER: **Figure 11.1.12b  
Black Grouse Survey Results  
Year 2 (2022)**

