



White Hill Wind Farm Electricity
Substation & Electricity Line

Environmental Impact
Assessment Report

Annex 5.1: Figures

White Hill Wind Limited

Galetech Energy Services

Clondargan, Stradone, Co. Cavan Ireland

Telephone +353 (0)49 555 5050

www.galetechenergyservices.com



662000

664000

666000

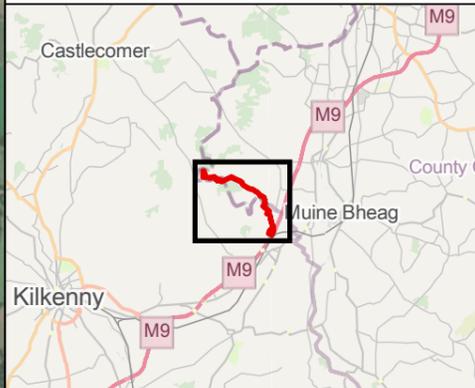
LEGEND

-  Site Boundary
-  Ecology Boundary
-  Proposed Electricity Line
-  Access Track
-  Proposed Site Infrastructure
-  Control Unit



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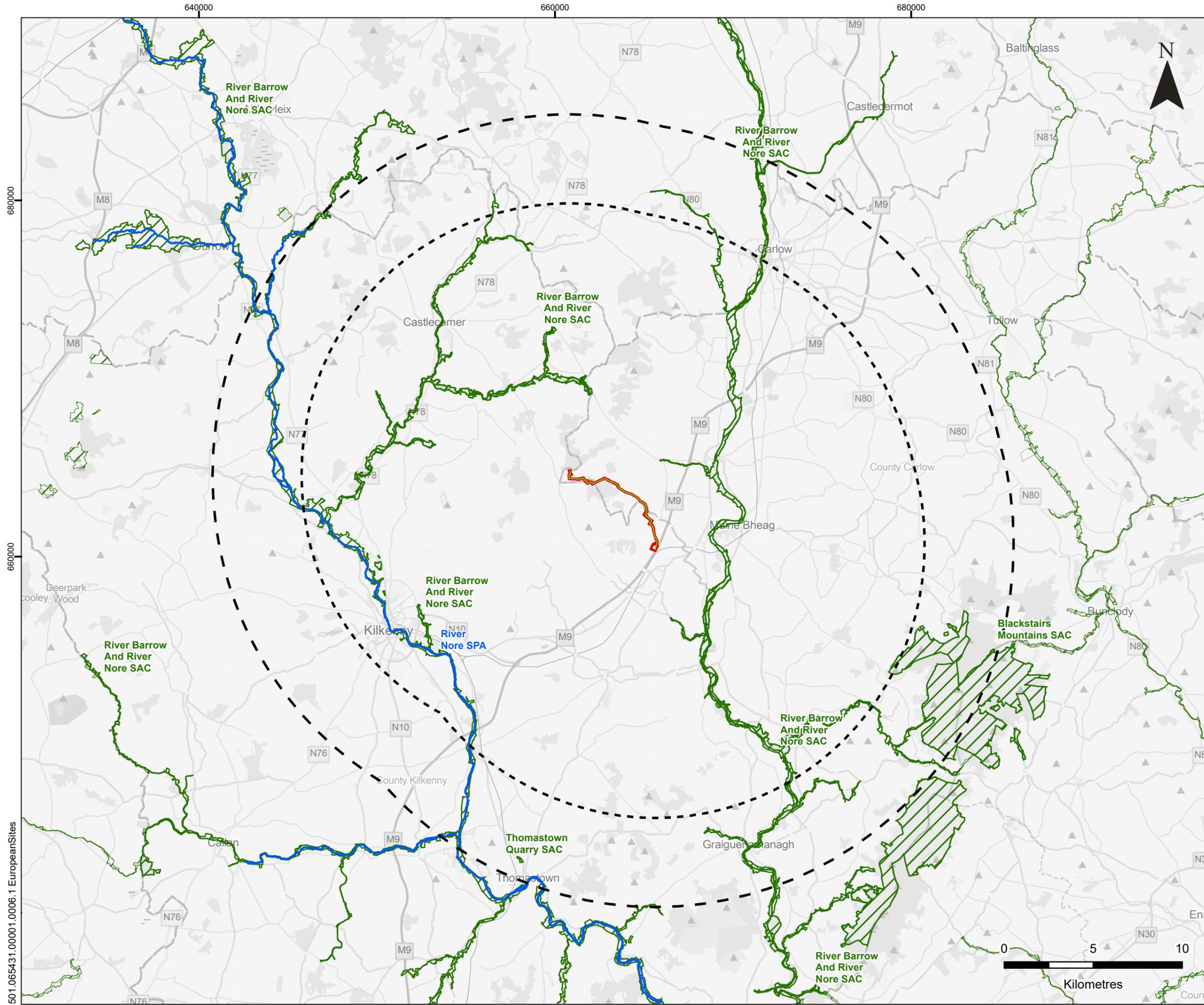
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**WHITE HILL
 ELECTRICITY SUBSTATION
 ENVIRONMENTAL IMPACT ASSESSMENT
 ECOLOGY SURVEY AREA**

FIGURE 1

Scale: 1:20,000 @ A3 Date: JANUARY 2025

501.065431.00001.0003.1 Ecology Survey Area



LEGEND

-  Site Boundary
-  Site Boundary 15 km Buffer
-  Site Boundary 20 km Buffer
-  Proposed Electricity Line

Designations

-  Special Area of Conservation (SAC)
-  Special Protected Area (SPA)



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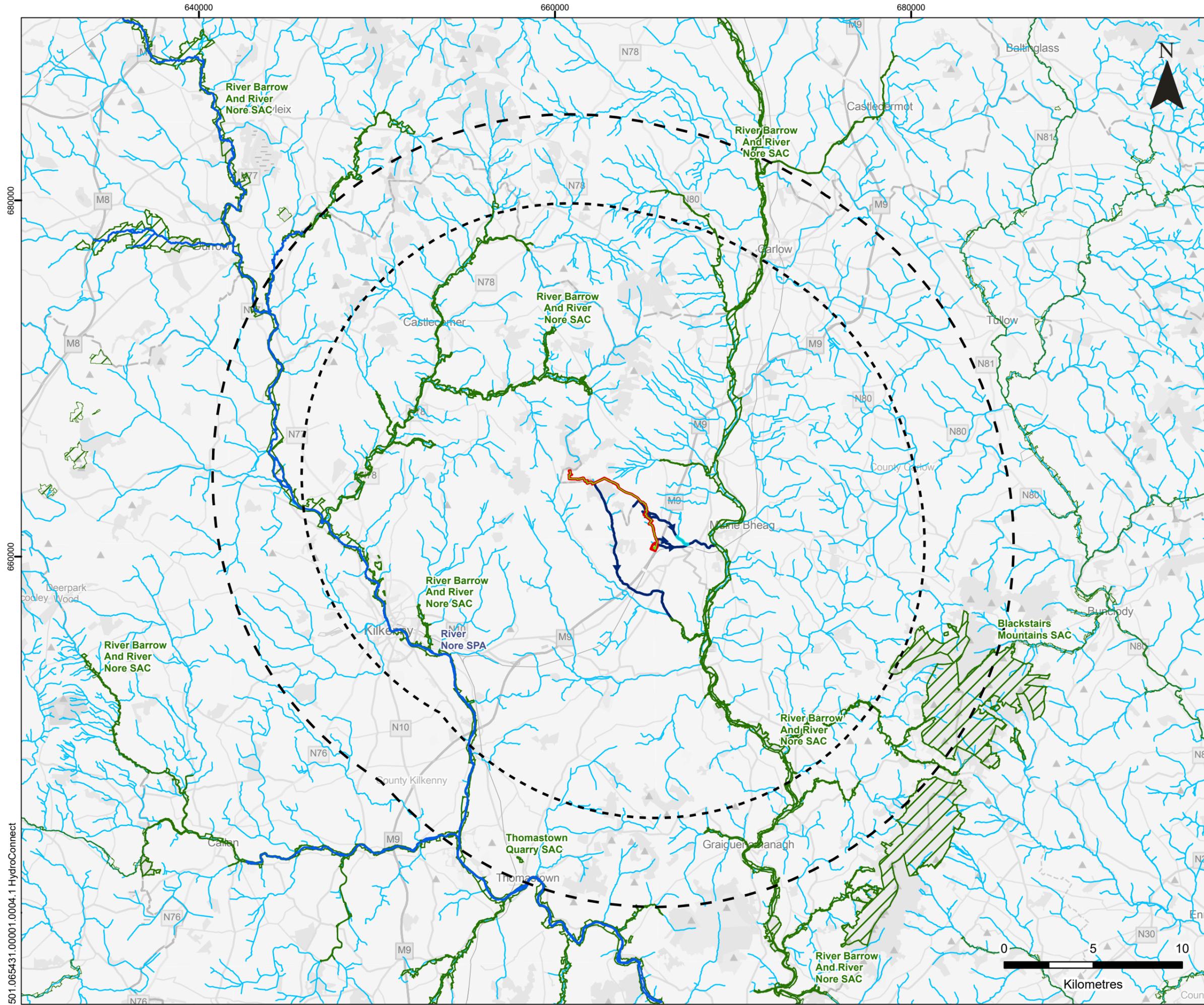
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**WHITE HILL
ELECTRICITY SUBSTATION
ENVIRONMENTAL IMPACT ASSESSMENT
EUROPEAN SITES WITHIN
15 KM AND 20 KM**

FIGURE 2A

Scale 1:200,000 @ A3 Date JANUARY 2025

501.065431.00001.0006.1 EuropeanSites



LEGEND

- Site Boundary
- Site Boundary 15 km Buffer
- Site Boundary 20 km Buffer
- Proposed Electricity Line

Designations

- Special Area of Conservation (SAC)
- Special Protected Area (SPA)

Potential Hydrological Connectivity

- Downstream Hydrological Connection
- Other Watercourse



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**WHITE HILL
 ELECTRICITY SUBSTATION**

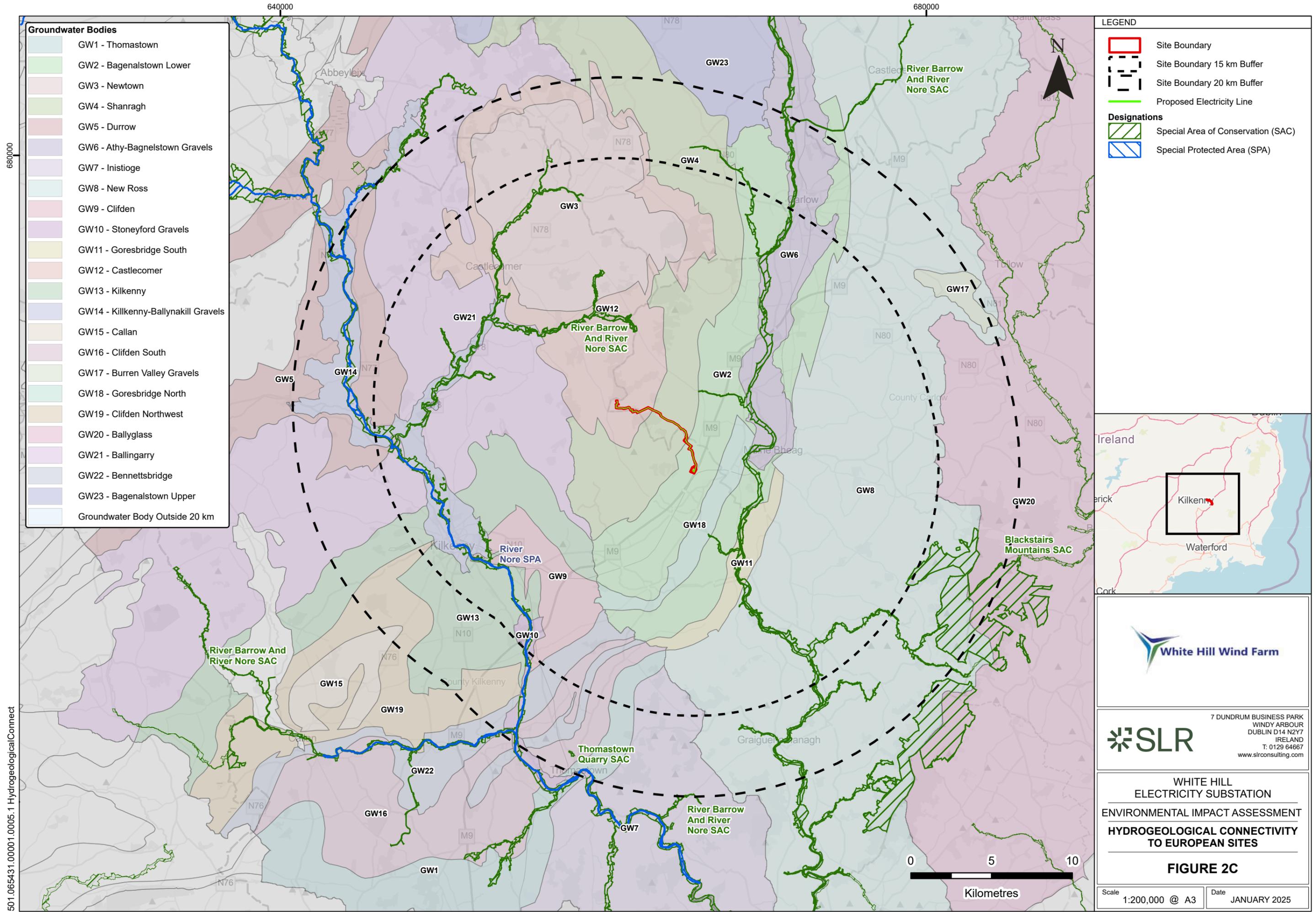
ENVIRONMENTAL IMPACT ASSESSMENT

**HYDROLOGICAL CONNECTIVITY TO
 EUROPEAN SITES**

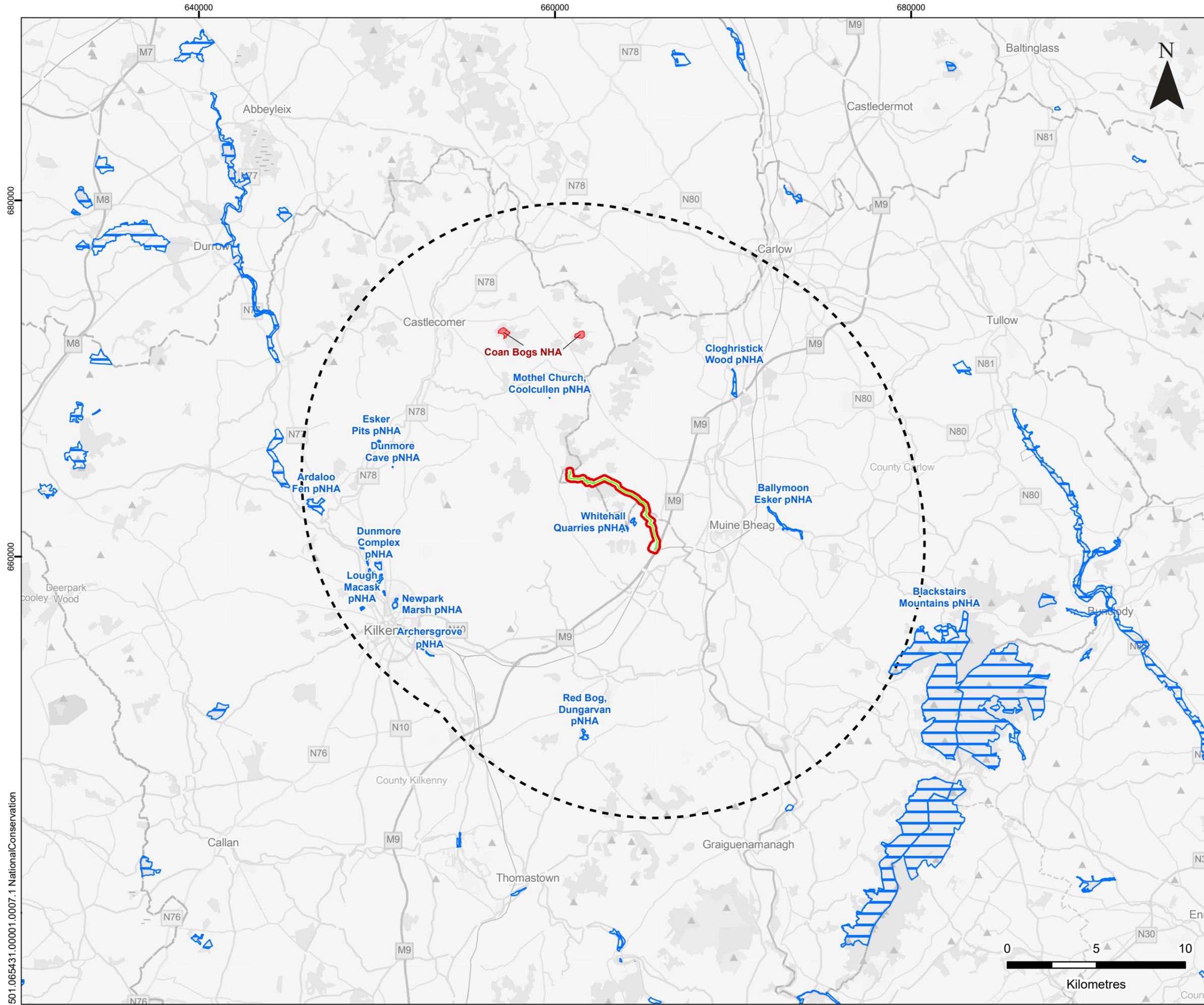
FIGURE 2B

Scale: 1:200,000 @ A3 Date: JANUARY 2025

501.065431.00001.0004.1 HydroConnect



501.065431.00001.0005.1 HydrogeologicalConnect



LEGEND

- Site Boundary
- Site Boundary 15 km Buffer
- Proposed Electricity Line

Designations

- Natural Heritage Area
- Proposed Natural Heritage Area (pNHA)



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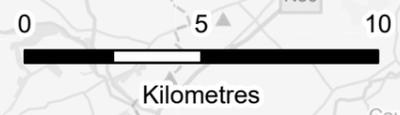
**WHITE HILL
 ELECTRICITY SUBSTATION**

ENVIRONMENTAL IMPACT ASSESSMENT

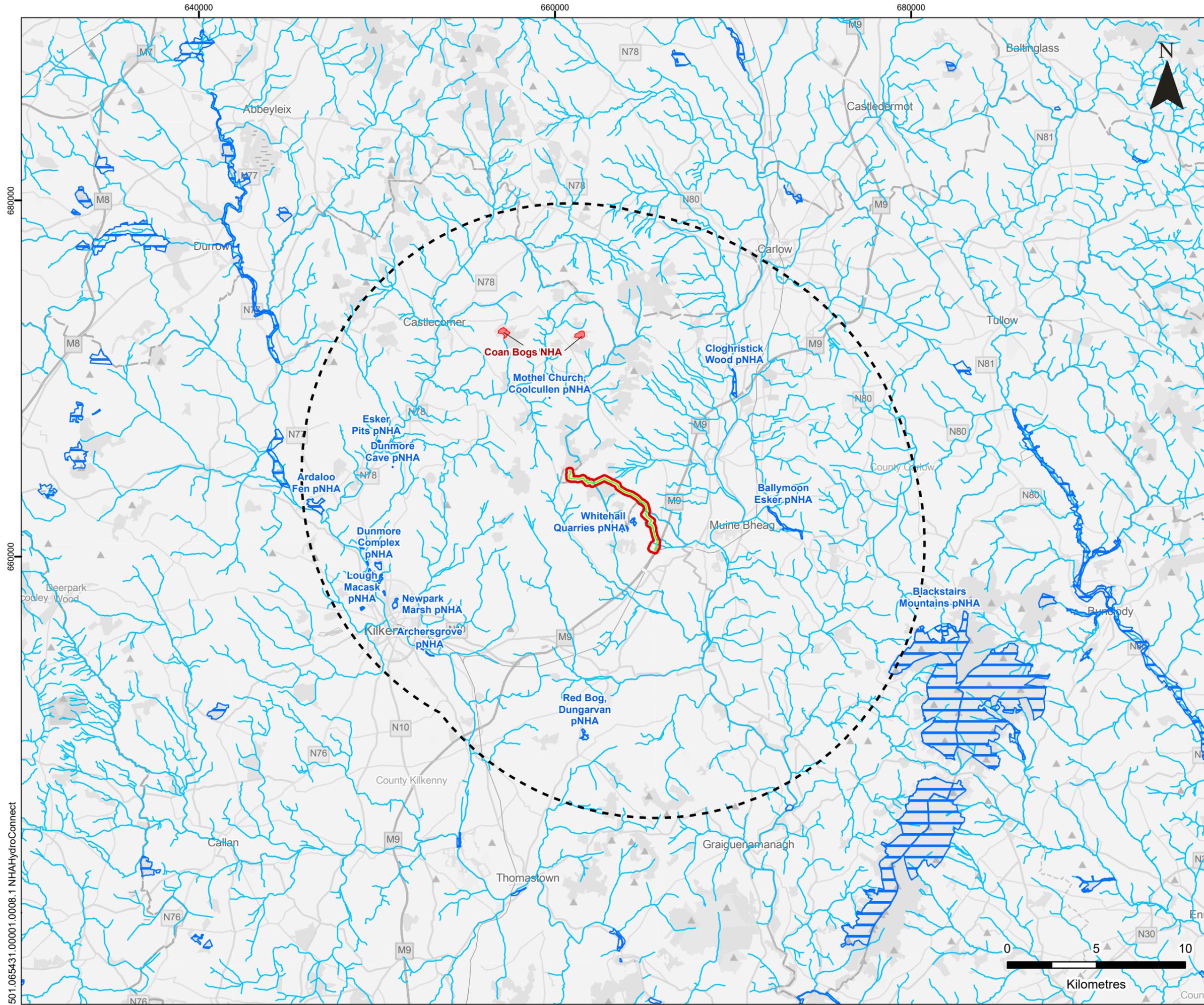
**NATIONAL NATURE CONSERVATION
 SITES WITHIN 15 KM**

FIGURE 3A

Scale 1:200,000 @ A3 Date JANUARY 2025



501.065431.00001.0007.1 National Conservation



LEGEND

- Site Boundary
- Site Boundary 15 km Buffer
- Proposed Electricity Line

Designations

- Natural Heritage Area (NHA)
- Proposed Natural Heritage Area (pNHA)

Potential Hydrological Connectivity

- Watercourse



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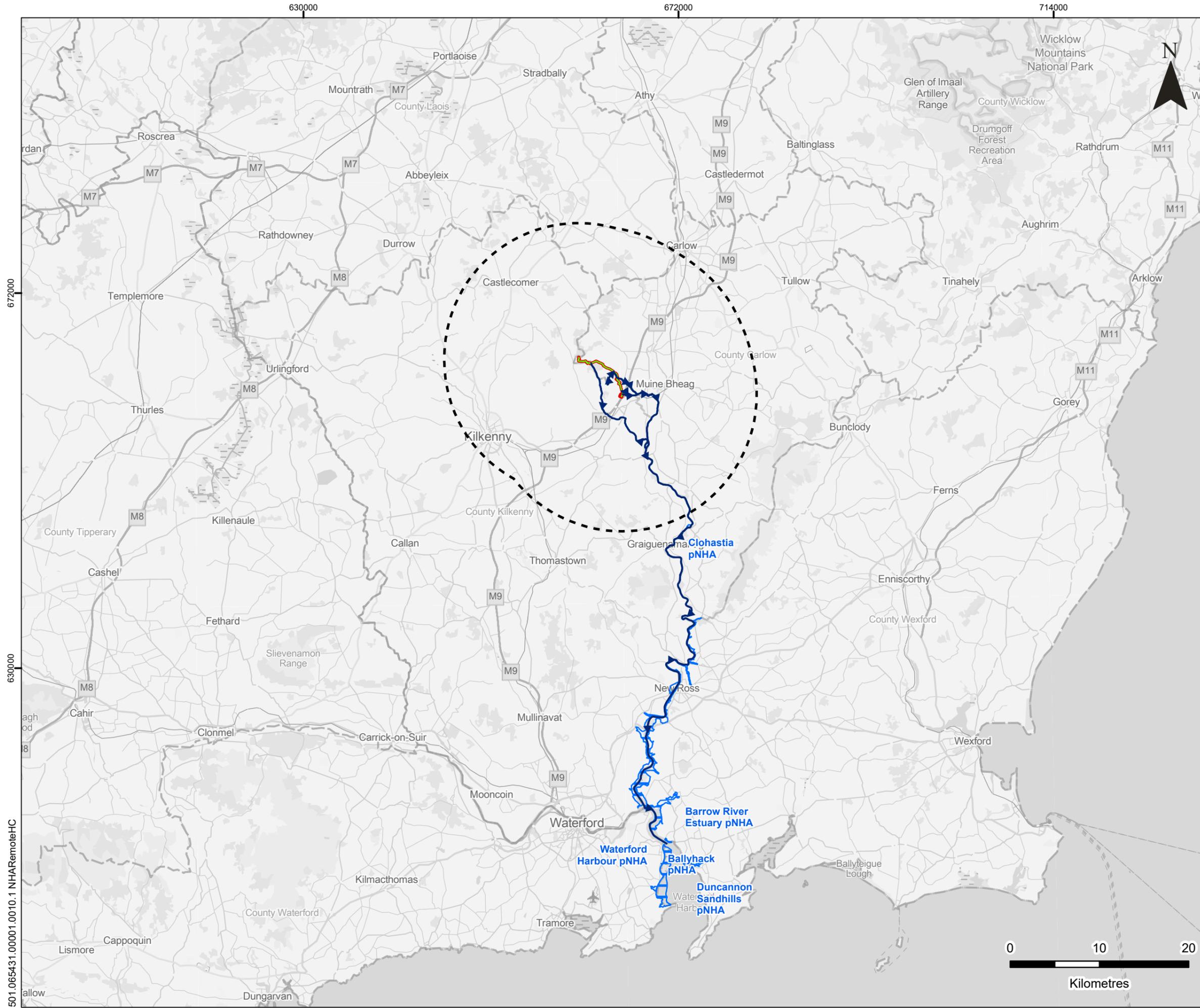
ENVIRONMENTAL IMPACT ASSESSMENT

**HYDROLOGICAL CONNECTIVITY TO
NATIONAL NATURE
CONSERVATION SITES**

FIGURE 3B

Scale 1:200,000 @ A3 Date JANUARY 2025

501.065431.00001.0008.1 NHAHydroConnect



LEGEND

- Site Boundary
- Site Boundary 15 km Buffer
- Proposed Electricity Line

Selected Designations

- Proposed Natural Heritage Area (pNHA)

Potential Hydrological Connectivity

- Downstream Hydrological Connection



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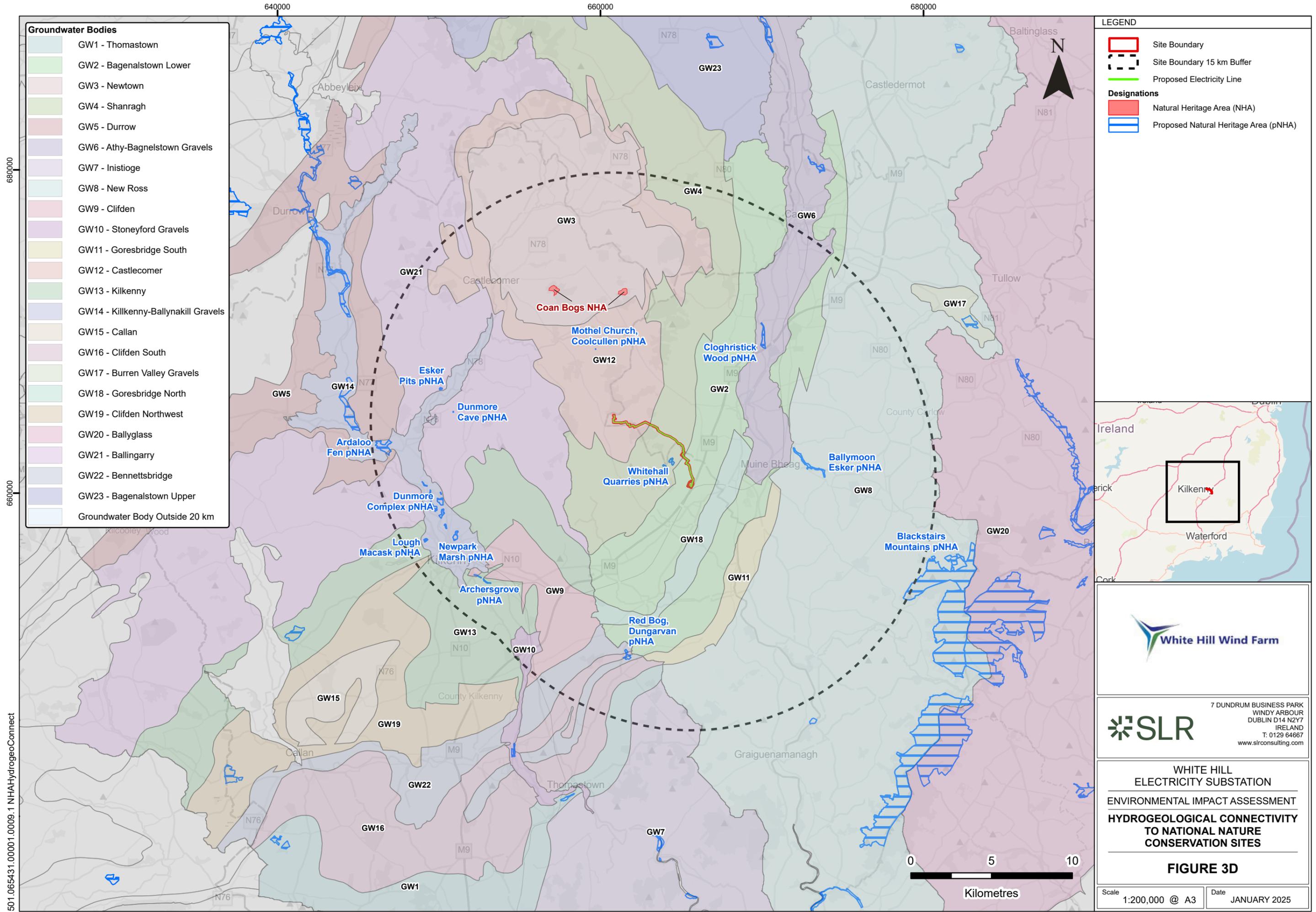
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**WHITE HILL
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ENVIRONMENTAL IMPACT ASSESSMENT**

**REMOTE HYDROLOGICAL
CONNECTIVITY TO NATIONAL
NATURE CONSERVATION SITES**

FIGURE 3C

Scale: 1:400,000 @ A3 Date: JANUARY 2025



501.065431.00001.0009.1 NHAHydroGeoConnect

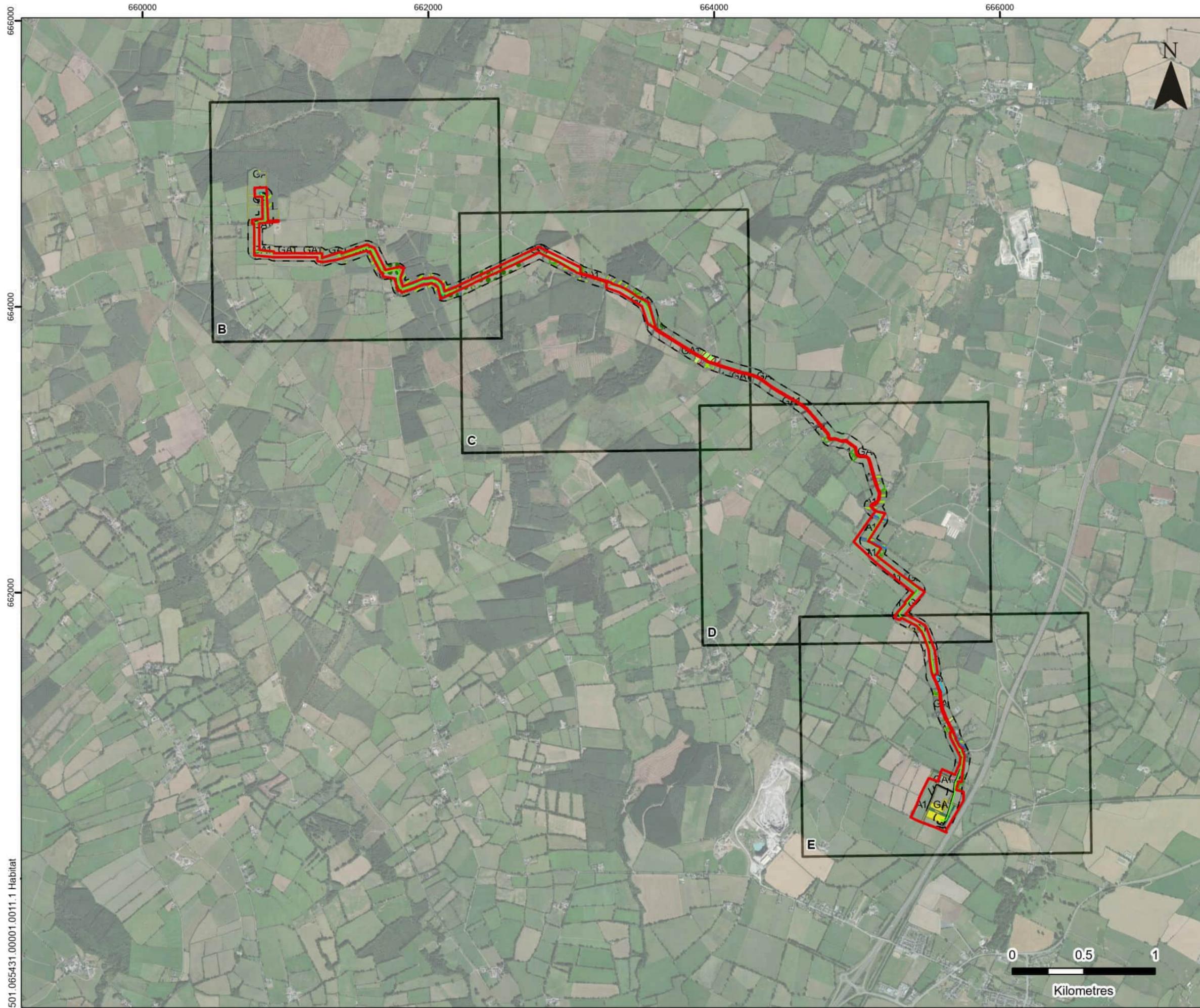
White Hill Wind Farm

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**WHITE HILL
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ENVIRONMENTAL IMPACT ASSESSMENT
HYDROGEOLOGICAL CONNECTIVITY
TO NATIONAL NATURE
CONSERVATION SITES**

FIGURE 3D



LEGEND

- Site Boundary
- Ecology Survey Area
- Proposed Electricity Line
- Proposed Site Infrastructure
- Access Track
- Control Unit



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**WHITE HILL
 ELECTRICITY SUBSTATION
 ENVIRONMENTAL IMPACT ASSESSMENT
 FOSSITT HABITAT CLASSIFICATION**

FIGURE 4A

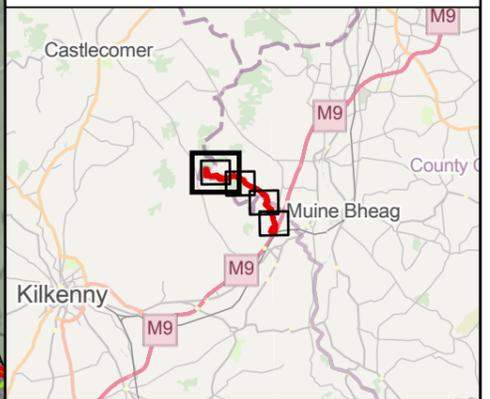
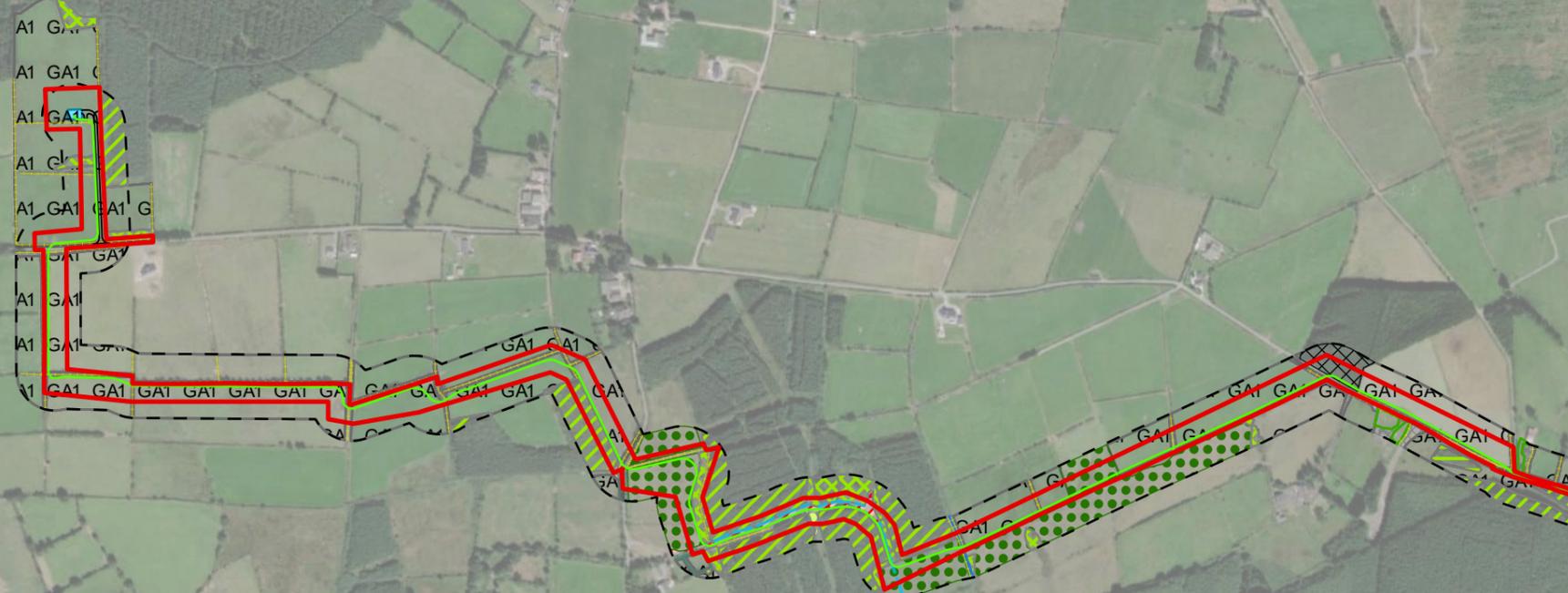
| | |
|---------------------|-------------------|
| Scale 1:25,000 @ A3 | Date JANUARY 2025 |
|---------------------|-------------------|

501_065431_00001_0011_1 Habitat

660000 661000 662000 663000



| LEGEND | |
|--|---|
| | Site Boundary |
| | Ecology Survey Area |
| | Proposed Electricity Line |
| | Access Track |
| | Control Unit |
| Habitats of Interest (Fossitt Code) | |
| | BL3 - Buildings and Artificial Surfaces |
| | FW1 - Eroding/Upland River |
| | FW4 - Drainage Ditch |
| | FW4/ WL1 - Drainage Ditch/Hedgerow |
| | WL1 - Hedgerow |
| | WL2 - Treeline |
| | BL3 - Buildings and Artificial Surfaces |
| | ED2 - Spoil and Bare Ground |
| | ED3 - Recolonising Bare Ground |
| | GA1 - Improved Agricultural Grassland |
| | GA2 - Amenity Grassland (Improved) |
| | GS4 - Wet Grassland |
| | GS4/ WS1 - Wet Grassland/ Scrub |
| | WD1 - Mixed Broadleaved Woodland |
| | WD4 - Conifer Plantation |
| | WS1 - Scrub |
| | WS5 - Recently Felled Woodland |



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WHITE HILL
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 ENVIRONMENTAL IMPACT ASSESSMENT
 FOSSITT HABITAT CLASSIFICATION

FIGURE 4B



Scale 1:10,000 @ A3 Date JANUARY 2025

665000

664000

501.065431.00001.0011.1 Habitat

662000

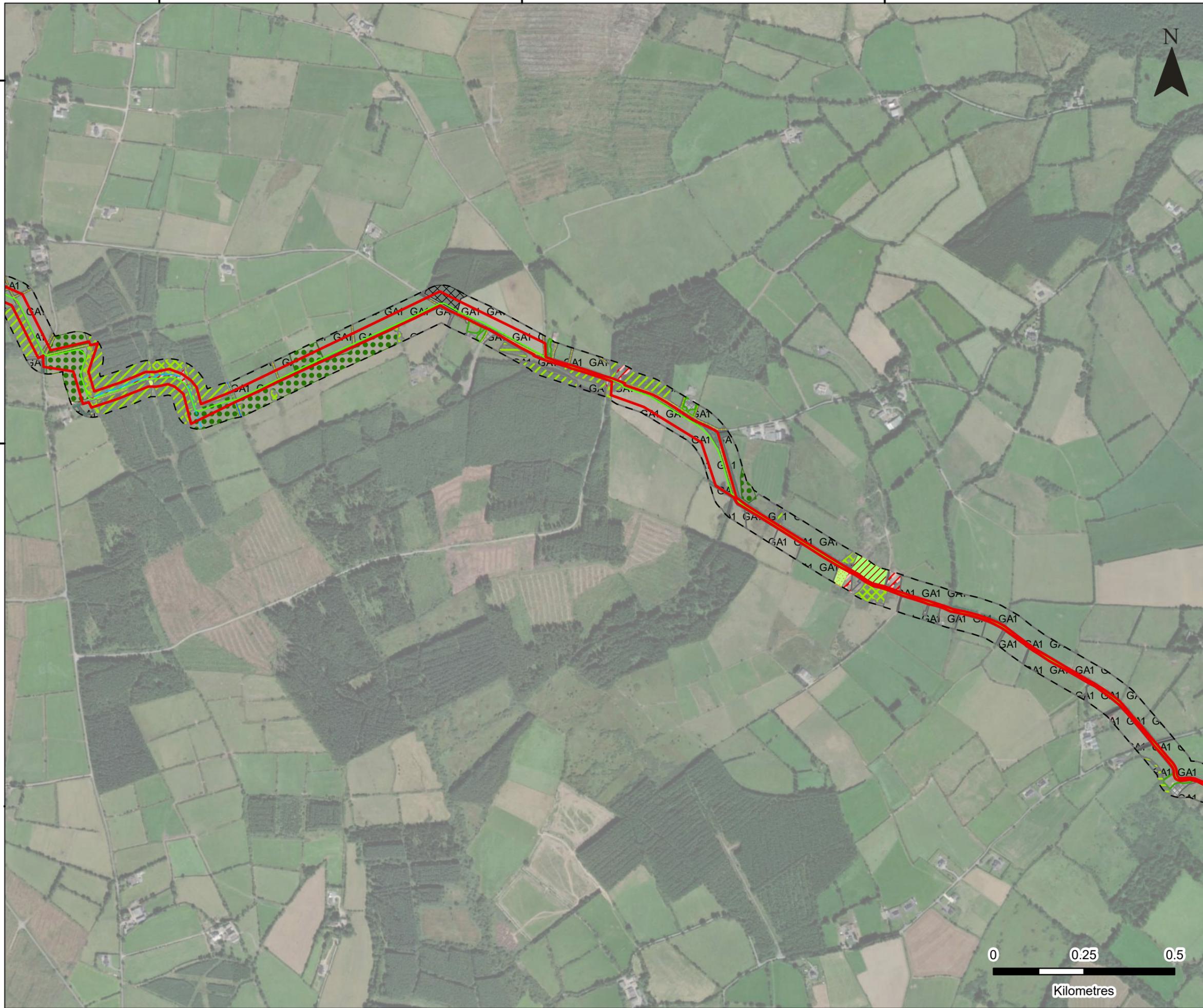
663000

664000

665000

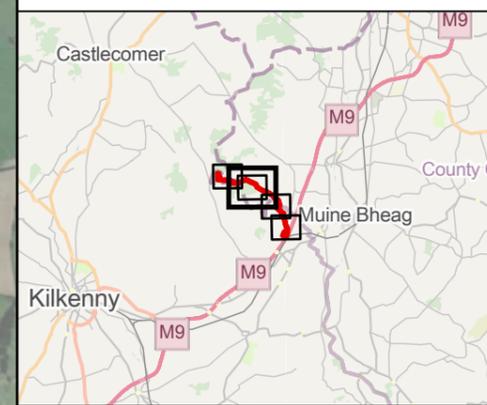
664000

501.065431.00001.0011.1 Habitat



LEGEND

| | |
|--|--|
| Site Boundary | ED2 - Spoil and Bare Ground |
| Ecology Survey Area | ED3 - Recolonising Bare Ground |
| Proposed Electricity Line | ED2/ED3/WS1 - Spoil and Bare Ground/Recolonising Bare Ground/Scrub |
| Habitats of Interest (Fossitt Code) | |
| Fossitt | FL8 - Other Artificial Lakes and Ponds |
| BL1 - Stone Walls and Other Stonework | GA1 - Improved Agricultural Grassland |
| BL3 - Buildings and Artificial Surfaces | GA2 - Amenity Grassland (Improved) |
| FW1 - Eroding/Upland River | GS4 - Wet Grassland |
| FW4 - Drainage Ditch | GS4/WS1 - Wet Grassland/Scrub |
| FW4/ WL1 - Drainage Ditch/Hedgerow | WD1 - Mixed Broadleaved Woodland |
| WL1 - Hedgerow | WD4 - Conifer Plantation |
| WL2 - Treeline | WS1 - Scrub |
| BL2 - Earth Banks | WS5 - Recently Felled Woodland |
| BL3 - Buildings and Artificial Surfaces | |



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 ELECTRICITY SUBSTATION
 ENVIRONMENTAL IMPACT ASSESSMENT
 FOSSITT HABITAT CLASSIFICATION

FIGURE 4C

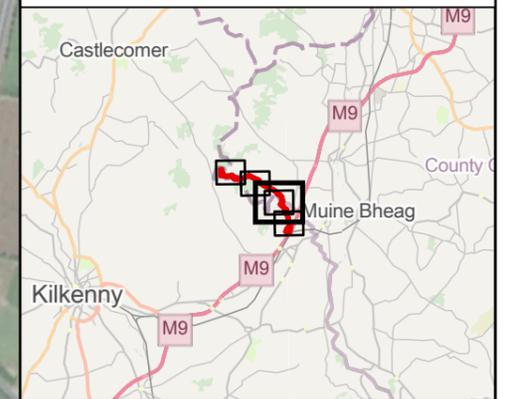
Scale: 1:10,000 @ A3 Date: JANUARY 2025





LEGEND

| | |
|--|---|
| Site Boundary | BL3 - Buildings and Artificial Surfaces |
| Ecology Survey Area | ED3 - Recolonising Bare Ground |
| Proposed Electricity Line | ED2/ED3/WS1 - Spoil and Bare Ground/ Recolonising Bare Ground/Scrub |
| Habitats of Interest (Fossitt Code) | |
| Fossitt | |
| BL1 - Stone Walls and Other Stonework | FL8 - Other Artificial Lakes and Ponds |
| BL3 - Buildings and Artificial Surfaces | GA1 - Improved Agricultural Grassland |
| ED3 - Recolonising Bare Ground | GA2 - Amenity Grassland (Improved) |
| FW1 - Eroding/Upland River | GS4 - Wet Grassland |
| FW4 - Drainage Ditch | WD1 - Mixed Broadleaved Woodland |
| WL1/ WL2 - Hedgerow/Treeline | WD4 - Conifer Plantation |
| WL1 - Hedgerow | WS1 - Scrub |
| WL2 - Treeline | WD5 - Scattered Trees and Parkland |
| BL2 - Earth Banks | |



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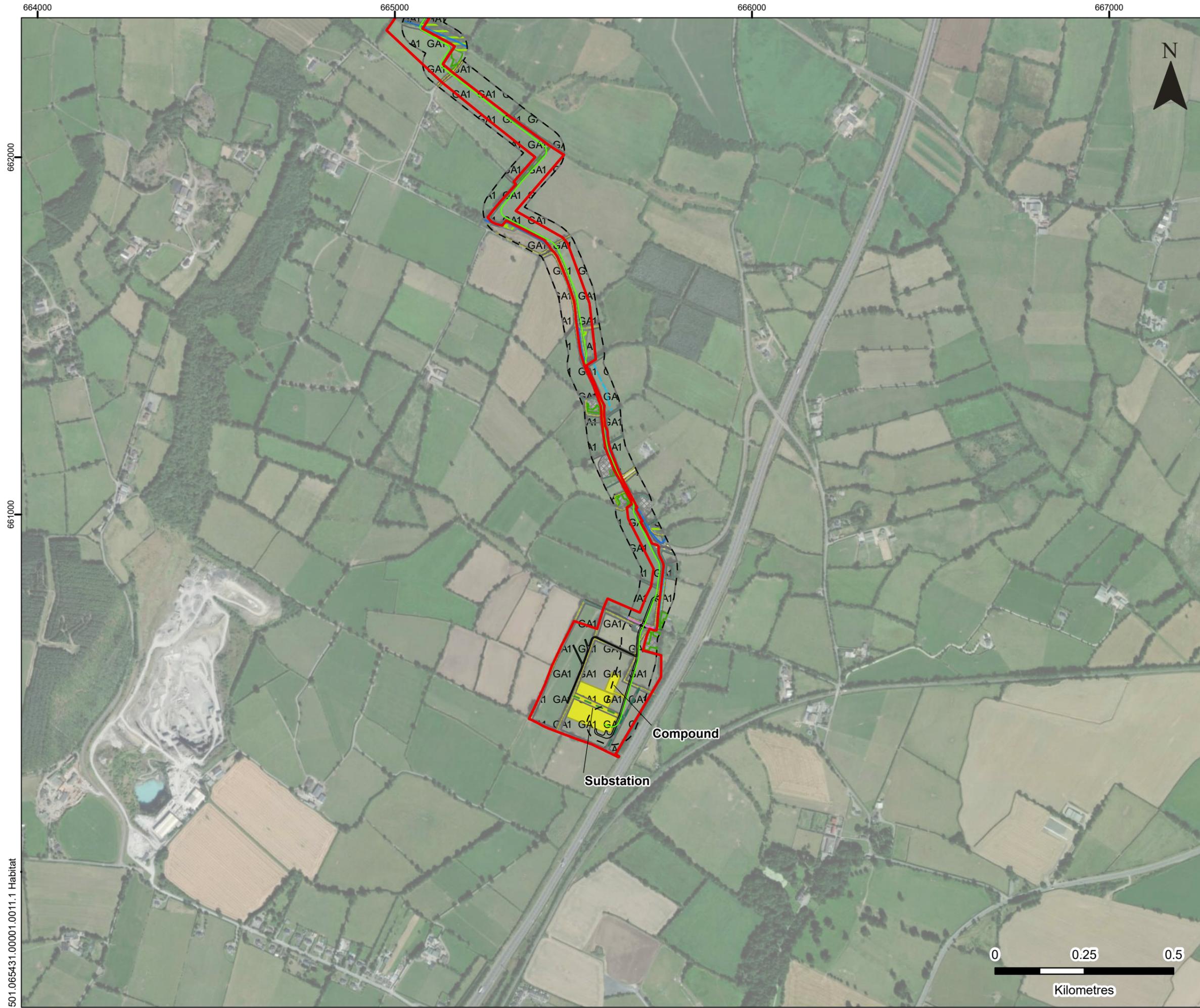
**WHITE HILL
 ELECTRICITY SUBSTATION
 ENVIRONMENTAL IMPACT ASSESSMENT
 FOSSITT HABITAT CLASSIFICATION**

FIGURE 4D

Scale 1:10,000 @ A3 Date JANUARY 2025



501.065431.00001.0011.1 Habitat

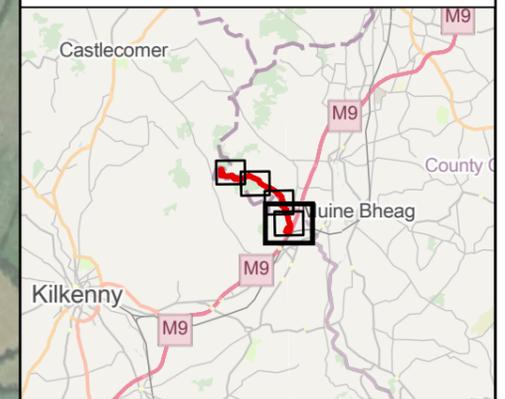


LEGEND

| | | | |
|---------------------------|------------------------------|-------------------------------------|---|
| Site Boundary | Ecology Survey Area | FW4/ WL2 - Drainage Ditch/ Treeline | GS2 - Dry Meadows and Grassy Verges |
| Proposed Electricity Line | Proposed Site Infrastructure | WL1/ WL2 - Hedgerow/Treeline | WL1 - Hedgerow |
| Access Track | | WL2 - Treeline | BL3 - Buildings and Artificial Surfaces |

Habitats of Interest (Fossitt Code)

| | |
|---|---------------------------------------|
| BL1 - Stone Walls and Other Stonework | GA1 - Improved Agricultural Grassland |
| BL3 - Buildings and Artificial Surfaces | GS2 - Dry Meadows & Grassy Verges |
| ED3 - Recolonising Bare Ground | GA2 - Amenity Grassland (Improved) |
| FW1 - Eroding/Upland River | WD1 - Mixed Broadleaved Woodland |
| FW4 - Drainage Ditch | WS1 - Scrub |
| FW4/ WL1 - Drainage Ditch/ Hedgerow | WD5 - Scattered Trees and Parkland |



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**WHITE HILL
 ELECTRICITY SUBSTATION**

ENVIRONMENTAL IMPACT ASSESSMENT

FOSSITT HABITAT CLASSIFICATION

FIGURE 4E

Scale 1:10,000 @ A3 Date JANUARY 2025



501.065431.00001.0011.1 Habitat

654500

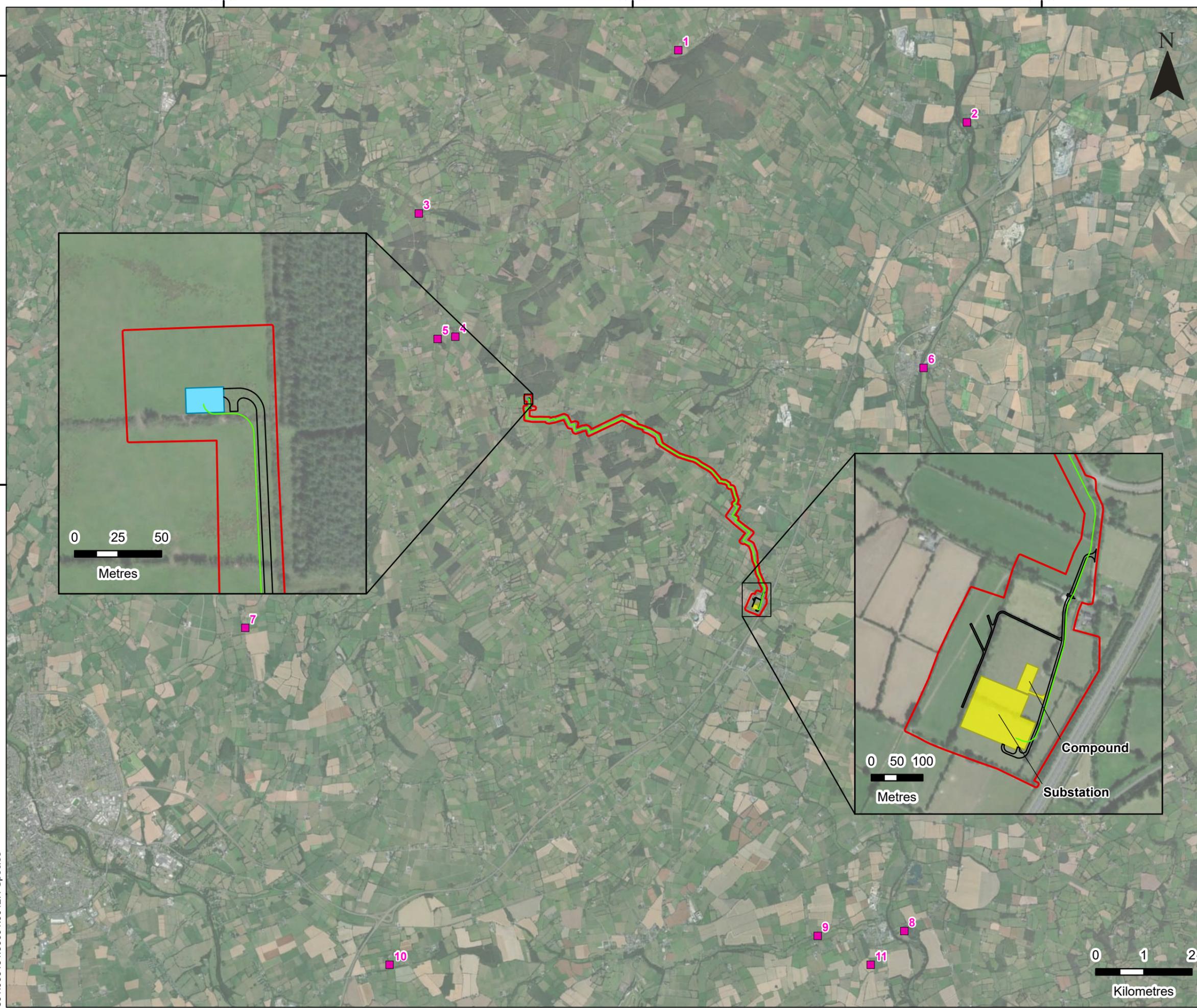
663000

671500

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501.065431.00001.0012.1 Species

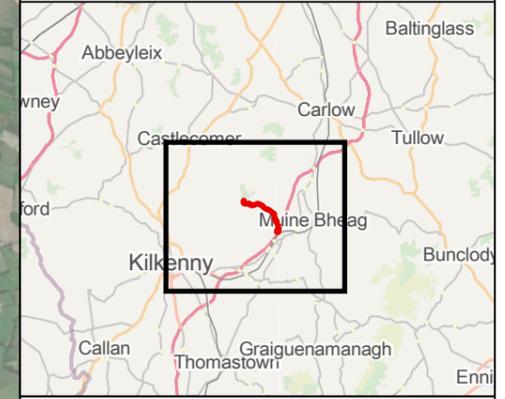


LEGEND

- Site Boundary
- Proposed Electricity Line
- Access Track
- Proposed Site Infrastructure
- Control Unit

Species Record

- Bat Conservation Ireland Roost Record



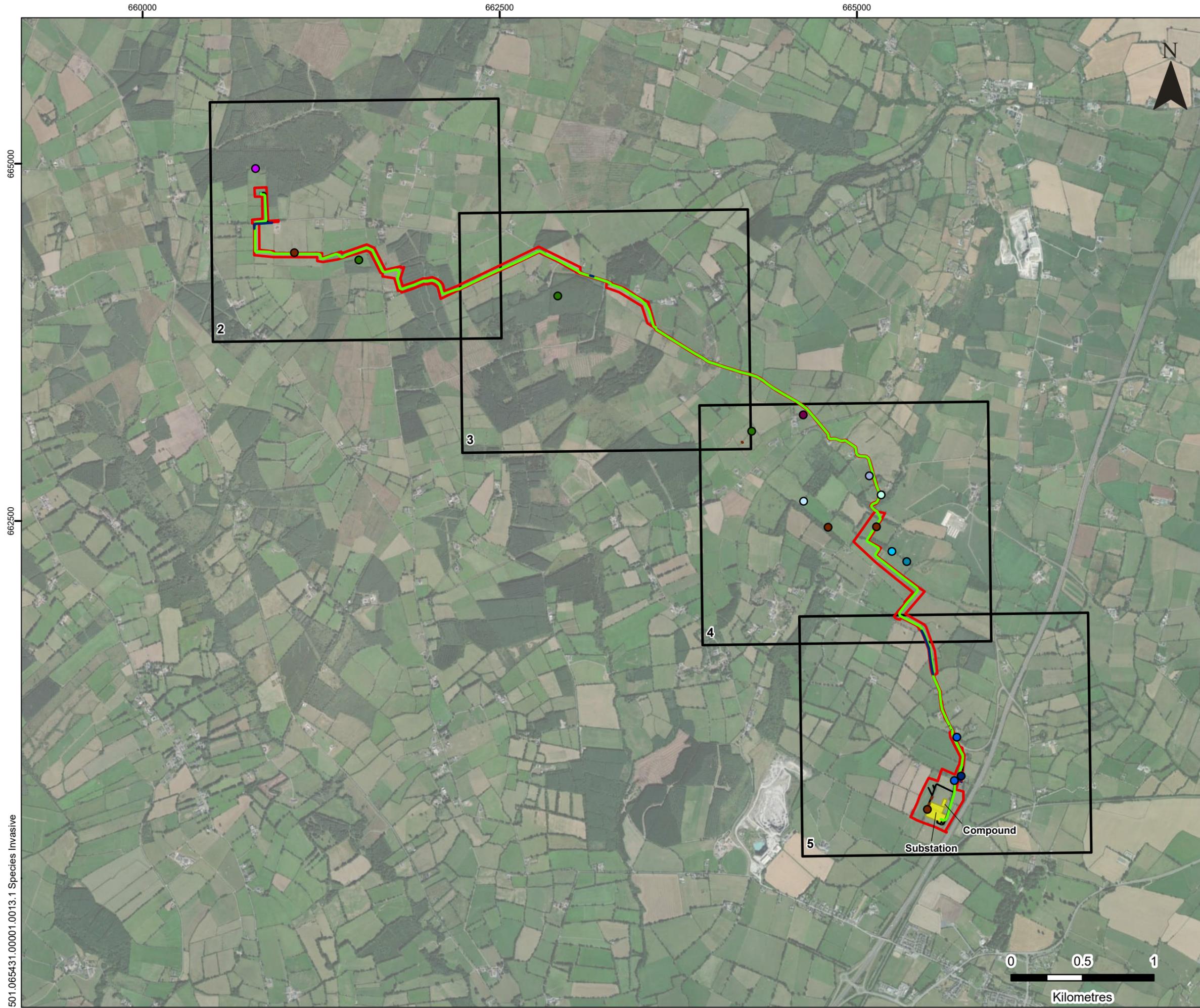
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**WHITE HILL
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ENVIRONMENTAL IMPACT ASSESSMENT
SPECIES RECORD
- BAT**

FIGURE 5A

Scale 1:75,000 @ A3 Date JANUARY 2025

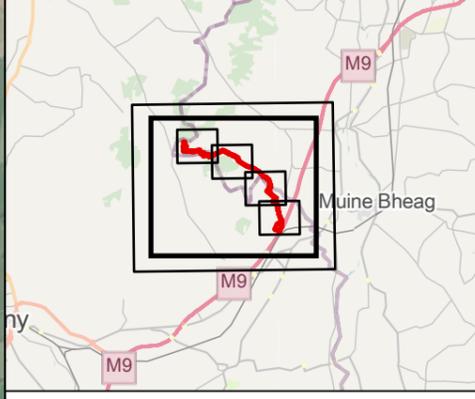


LEGEND

- Site Boundary
- Proposed Electricity Line
- Proposed Site Infrastructure

Species Record

- Amphibian
- Bat PRF1
- Bat PRF2
- Bat PRF3
- Bat PRF4
- Bat PRF5
- Bat PRF6
- Bat PRF7
- Bat PRF9
- Bat PRF8
- Bird
- Mammal
- Mammal
- Invasive Plant
- Invasive Plant



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**WHITE HILL
 ELECTRICITY SUBSTATION
 ENVIRONMENT IMPACT ASSESSMENT
 SPECIES RECORD
 - AMPHIBIAN, BIRD, MAMMAL
 AND INVASIVE PLANT**

FIGURE 5B. 1

Scale 1:25,000 @ A3 Date JANUARY 2025

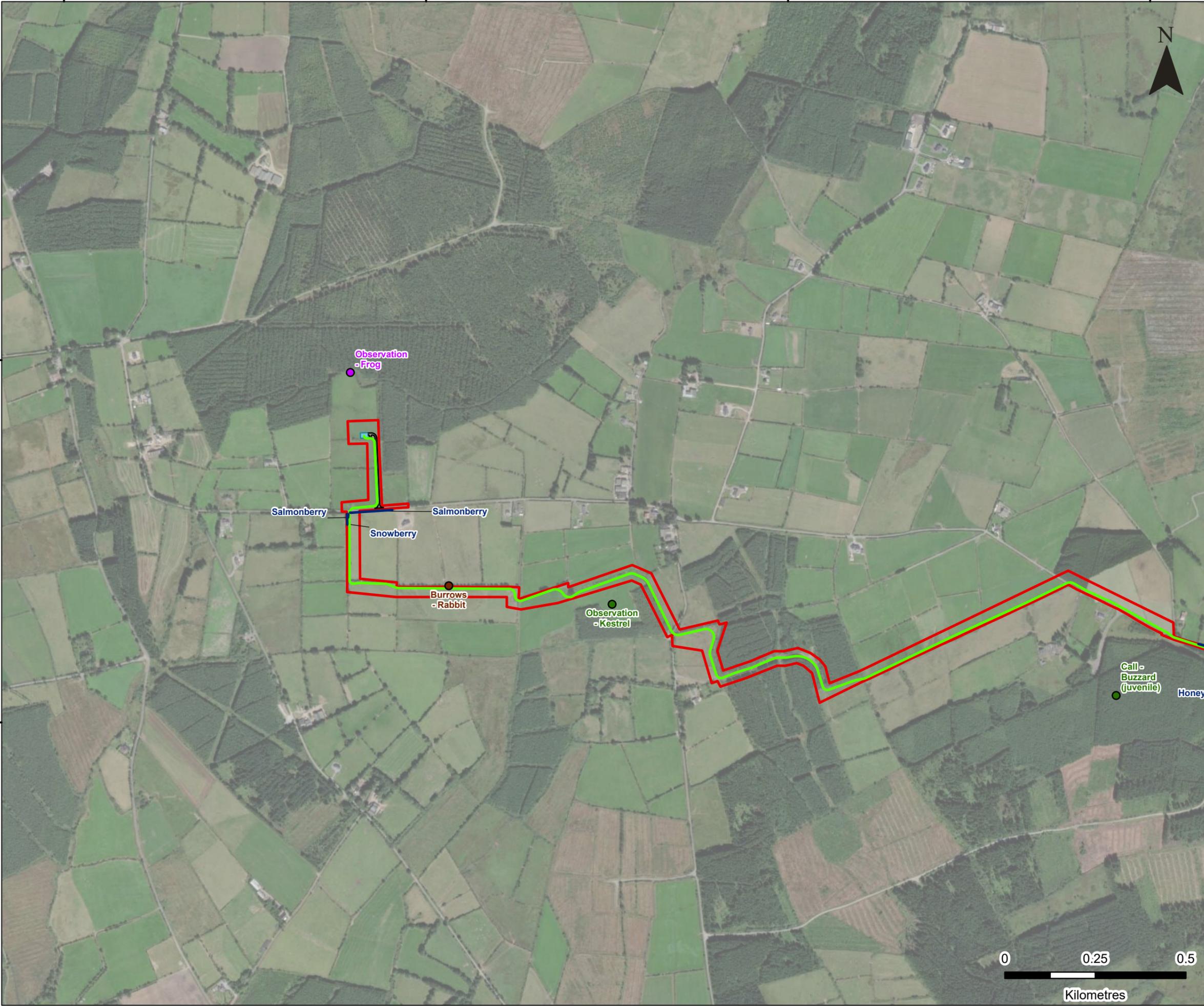
501.065431.00001.0013.1 Species Invasive

660000 661000 662000 663000

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501.065431.00001.0013.1 Species Invasive

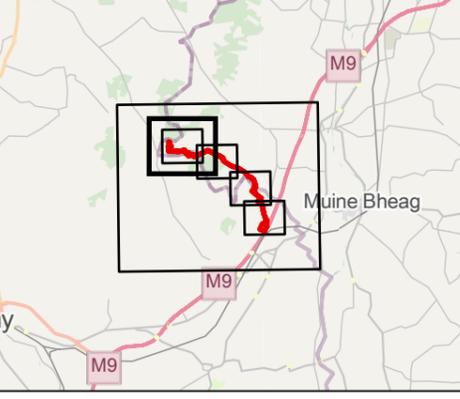


LEGEND

- Site Boundary
- Proposed Electricity Line

Species Record

- Amphibian
- Bird
- Mammal
- Invasive Plant



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ENVIRONMENT IMPACT ASSESSMENT
SPECIES RECORD
- AMPHIBIAN, BIRD, MAMMAL
AND INVASIVE PLANT**

FIGURE 5B. 2

Scale 1:10,000 @ A3 Date JANUARY 2025



662000

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501.065431.00001.0013.1 Species Invasive

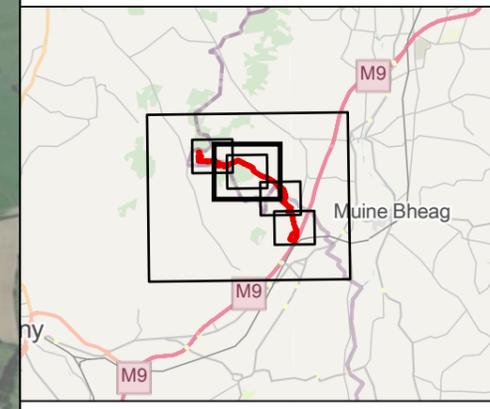


LEGEND

- Site Boundary
- Proposed Electricity Line

Species Record

- Bat PRF1
- Bat PRF7
- Bird
- Mammal
- Invasive Plant



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ENVIRONMENT IMPACT ASSESSMENT
SPECIES RECORD
- AMPHIBIAN, BIRD, MAMMAL
AND INVASIVE PLANT
FIGURE 5B. 3**

Scale: 1:10,000 @ A3 Date: JANUARY 2025

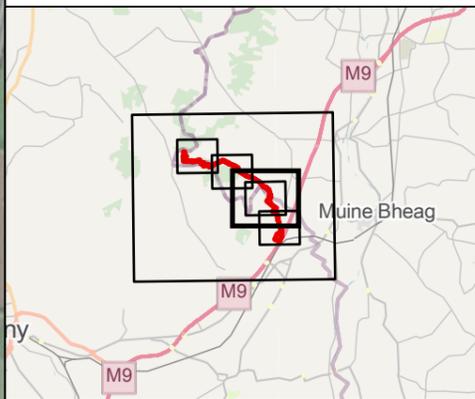


LEGEND

- Site Boundary
- Proposed Electricity Line

Species Record

- Bat PRF1
- Bat PRF2
- Bat PRF3
- Bat PRF6
- Bat PRF7
- Bat PRF8
- Bird
- Mammal
- Mammal
- Invasive Plant



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 ENVIRONMENT IMPACT ASSESSMENT
 SPECIES RECORD
 - AMPHIBIAN, BIRD, MAMMAL
 AND INVASIVE PLANT**

FIGURE 5B. 4

Scale 1:10,000 @ A3 Date JANUARY 2025



663000

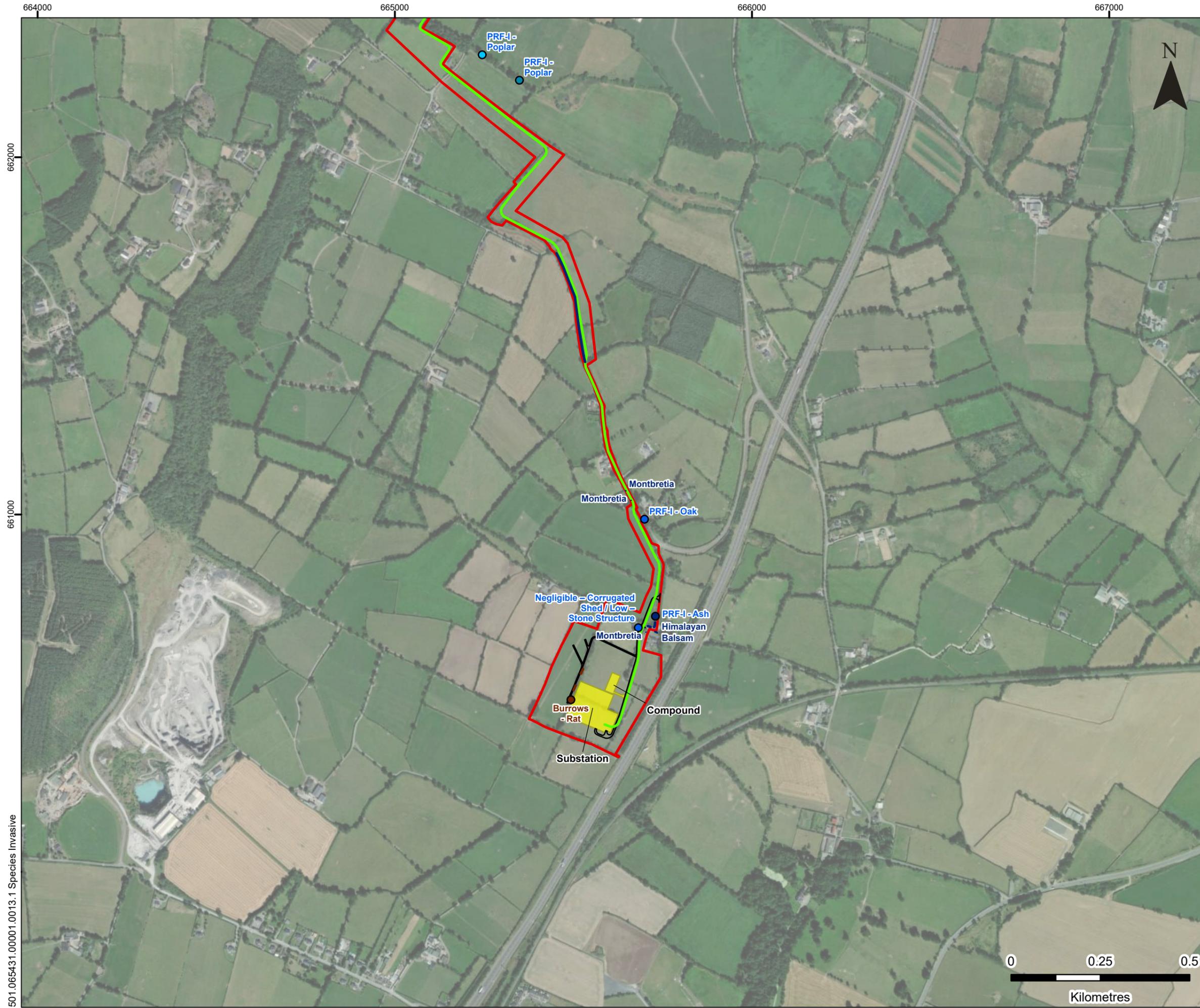
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501.065431.00001.0013.1 Species Invasive

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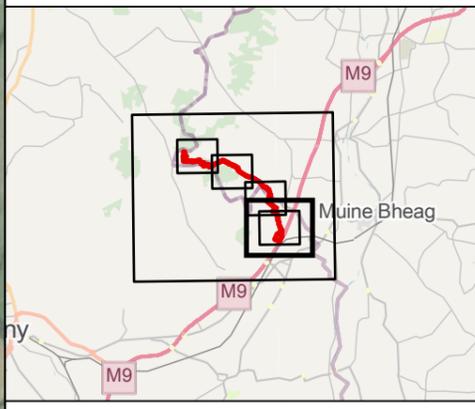


LEGEND

- Site Boundary
- Proposed Electricity Line
- Proposed Site Infrastructure

Species Record

- Bat PRF2
- Bat PRF3
- Bat PRF4
- Bat PRF5
- Bat PRF9
- Mammal
- Mammal
- Invasive Plant
- Invasive Plant



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 ENVIRONMENT IMPACT ASSESSMENT
 SPECIES RECORD
 - AMPHIBIAN, BIRD, MAMMAL
 AND INVASIVE PLANT**

FIGURE 5B. 5

Scale 1:10,000 @ A3 Date FEBRUARY 2025



501.065431.00001.0013.1 Species Invasive



LEGEND

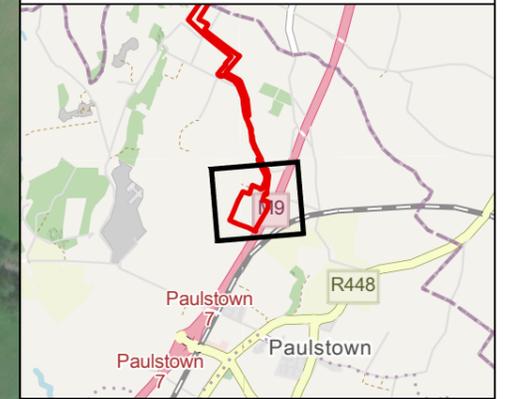
- Site Boundary
- Proposed Site Infrastructure
- Proposed Site Infrastructure

Species Management

- ▲ Amphibian Hibernacula - Indicative Location
- ▲ Bat Box - Indicative Location
- Bird Box - Indicative Species
- Insect Hotel - Indicative Location

Landscaping Management Measures

- Retained / Bolstered Existing Hedgerow (Type 1)
- Proposed Hedgerow (Type 2)
- Grassland / Meadow Management



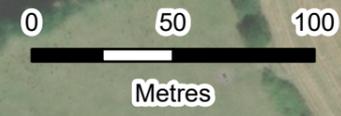
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**WHITE HILL
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**ENVIRONMENTAL IMPACT ASSESSMENT
 HABITAT AND SPECIES MANAGEMENT**

FIGURE 6

| | |
|--------------------|--------------------|
| Scale 1:2,500 @ A3 | Date FEBRUARY 2025 |
|--------------------|--------------------|



501.065431.00001.0014.2 HS Management

