

6

ECOLOGY

Chapter 6 - Ecology

Figure 6.1 - Designated Sites (within 5km)

Figure 6.2 - JNCC Phase 1 Habitat Map

Figure 6.3 - NVC Phase 2 Habitat Map

Figure 6.4 - NVC Quadrat Locations

Figure 6.5 - Static (Bat) Detector Locations (Spring & early Summer)

Figure 6.6 - Static (Bat) Detector Locations (late Summer & Autumn)

Figure 6.7 - Non-volant Mammal Survey Results






Figure 6.8 - Common Lizard Survey Results

Figure 6.9 - Smooth Newt Survey Results

Figure 6.10 - Habitat Management Areas

Figure 6.11 - Proposed Ditch Blocking



- KEY**
-  Planning Application Boundary
 -  Land Under Applicant Control
 -  ASSI
 -  SAC
 -  SPA

SURVEYORS



DRAWING NUMBER

COORDS TM65 IRISH GRID

PURPOSE ENVIRONMENTAL STATEMENT

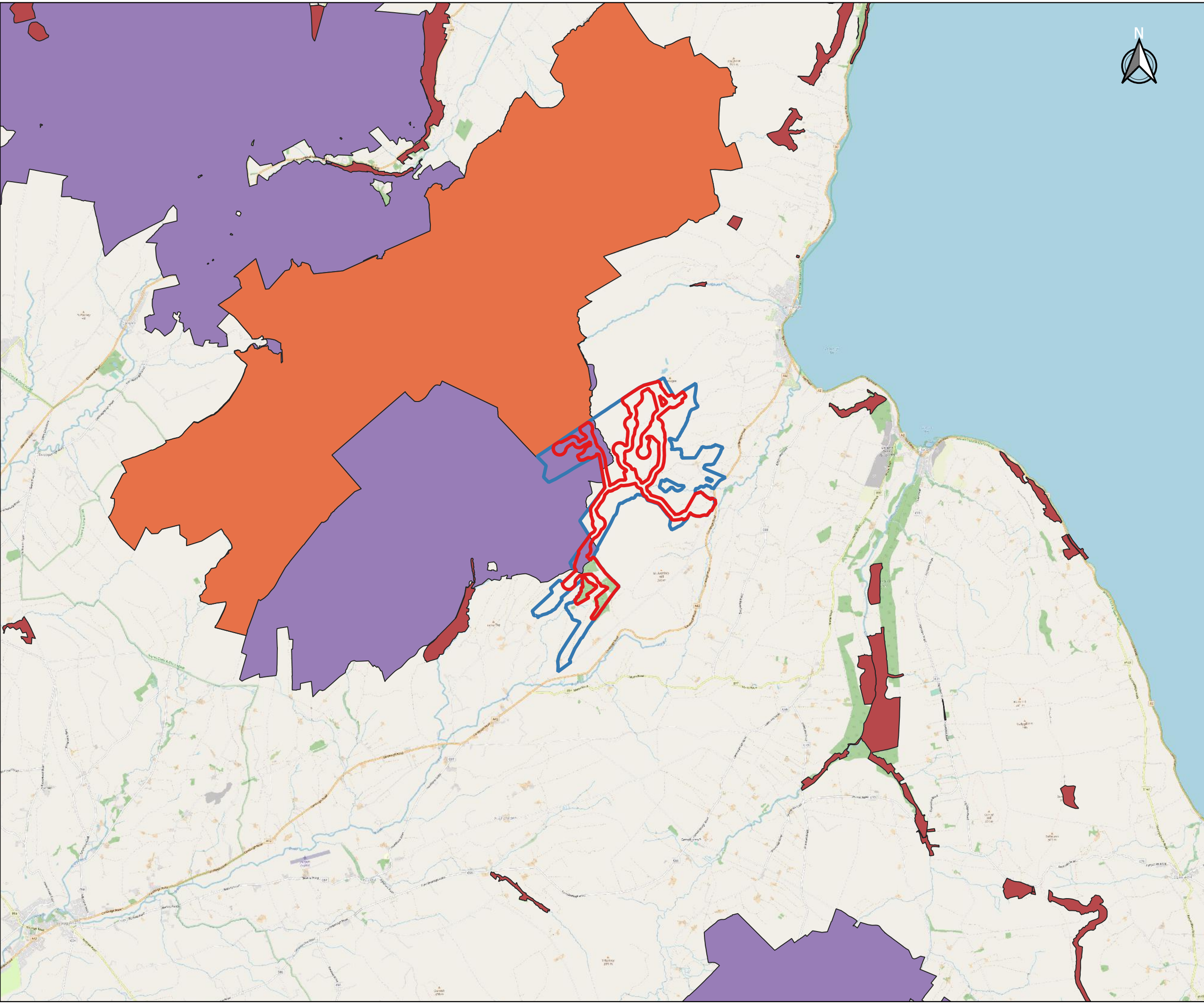
SCALE 1:66000 ORIGINAL PLOT SIZE A3

PROJECT TITLE
UNSHINAGH WIND FARM

FIGURE 6.1
DESIGNATED SITES WITHIN 10KM

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KEY

- Land Under Applicants Control
- Planning Application Boundary
- Acid grassland
- Acid grassland dry heath mosaic
- Acid & marshy grassland mosaic
- Acid & marshy grassland wet heath mosaic
- Acid & neutral grassland wet heath mosaic
- Blanket bog marshy grassland mosaic
- Broad-leaved Woodland
- Coniferous Woodland
- Dry & wet heath marshy grassland mosaic
- Improved grassland
- Marshy grassland
- Neutral grassland
- Neutral grassland marshy grassland mosaic
- Wet heath
- Wet heath acid grassland mosaic
- Wet heath blanket bog acid grassland mosaic
- Wet heath blanket bog mosaic
- Wet heath marshy grassland mosaic
- Wet heath blanket bog marshy grassland mosaic
- Hedgerow
- Scattered trees
- Scattered scrub

SURVEYORS



DRAWING NUMBER

COORDS **TM65 IRISH GRID**

PURPOSE **ENVIRONMENTAL STATEMENT**

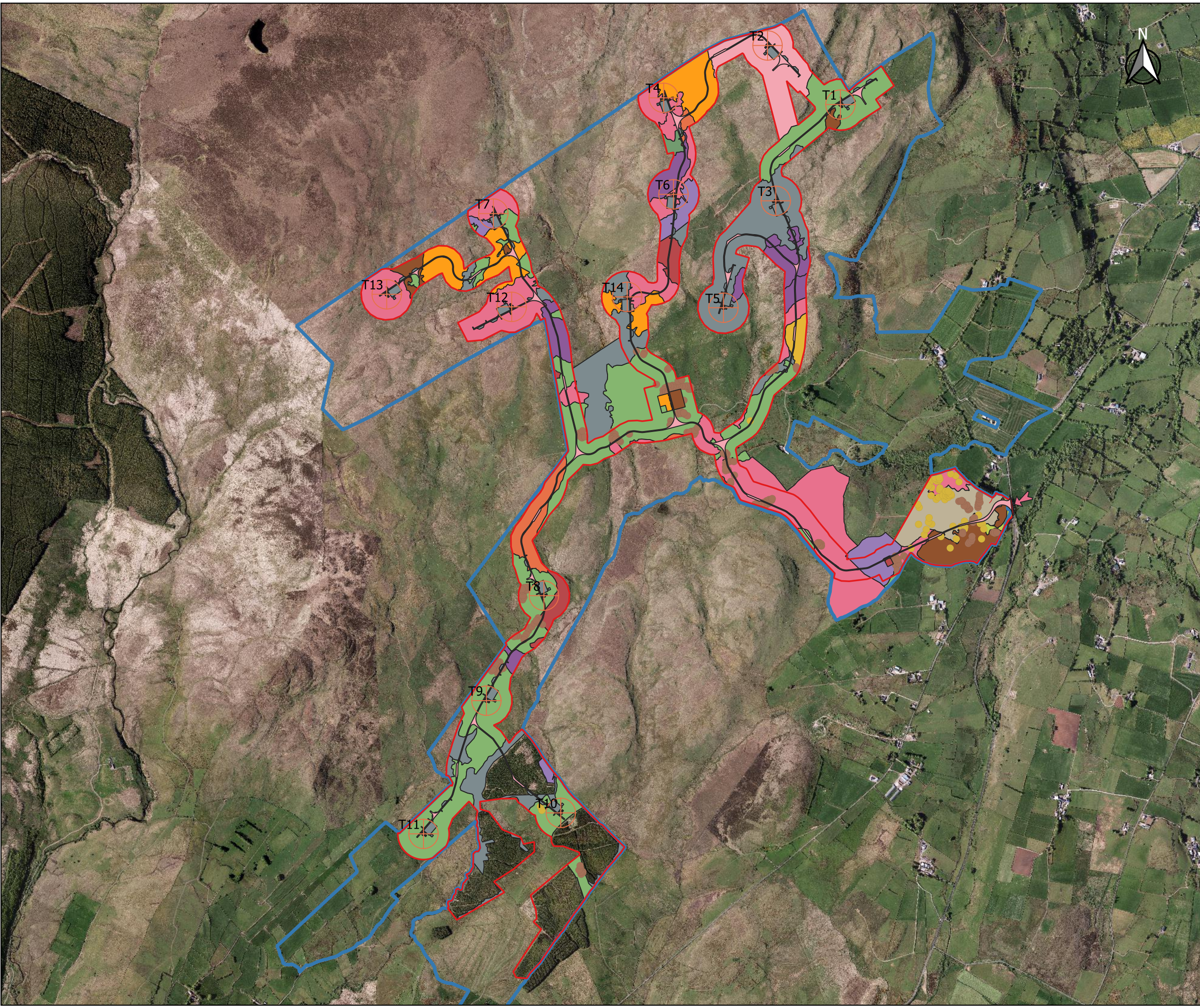
SCALE **1:16500** ORIGINAL PLOT SIZE **A3**

PROJECT TITLE
UNSHINAGH WIND FARM

**FIGURE 6.2
JNCC PHASE 1 HABITAT MAP**

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- KEY**
- Land Under Applicant Control
 - Quadrats (Focused)
 - H10a M25 mosaic
 - M10 M23a mosaic
 - M15 M17 M19 M25 mosaic
 - M15 M17 M20a U2 mosaic
 - M15 M19 M25 mosaic
 - M15 M20a mosaic
 - M15 M25 mosaic
 - M15 U2 mosaic
 - M17
 - M17 M25 mosaic
 - M19
 - M19 acid grassland mosaic
 - M19 M25 mosaic
 - M20 M23a mosaic
 - M23a
 - M23a acid grassland mosaic
 - M23b M10 mosaic
 - M25a
 - M25a acid grassland mosaic
 - MG10
 - MG7
 - U2 H10a mosaic
 - U2 M10 mosaic
 - U2 M15 mosaic
 - U2 M23a mosaic
 - U2 MG10 M15 mosaic
 - U5
 - W9
 - Flushes

SURVEYORS



DRAWING NUMBER

COORDS

TM65 IRISH GRID

PURPOSE

ENVIRONMENTAL STATEMENT

SCALE

1:16500

ORIGINAL PLOT SIZE

A3

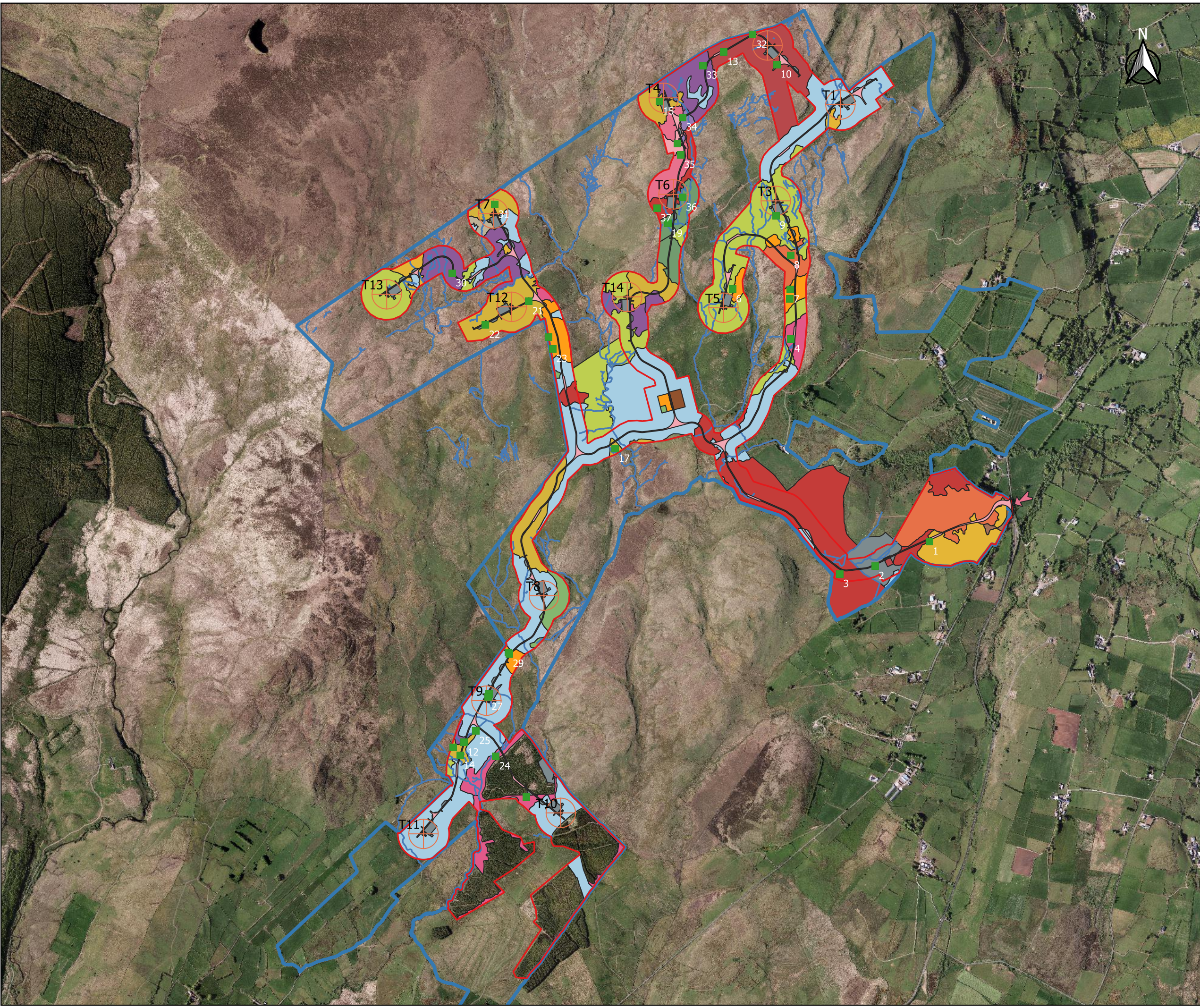
PROJECT TITLE

UNSHINAGH WIND FARM

FIGURE 6.3
NVC PHASE 2 HABITAT MAP

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- KEY**
- Land Under Applicant Control
 - Unshinagh NVC quadrat coordinates
 - Compartment 1
 - Compartment 2
 - Compartment 3
 - Compartment 4
 - Compartment 5



SURVEYORS


DRAWING NUMBER

COORDS **TM65 IRISH GRID**

PURPOSE **ENVIRONMENTAL STATEMENT**

SCALE **1:16500** ORIGINAL PLOT SIZE **A3**

PROJECT TITLE
UNSHINAGH WIND FARM

FIGURE 6.4
NVC QUADRAT LOCATIONS

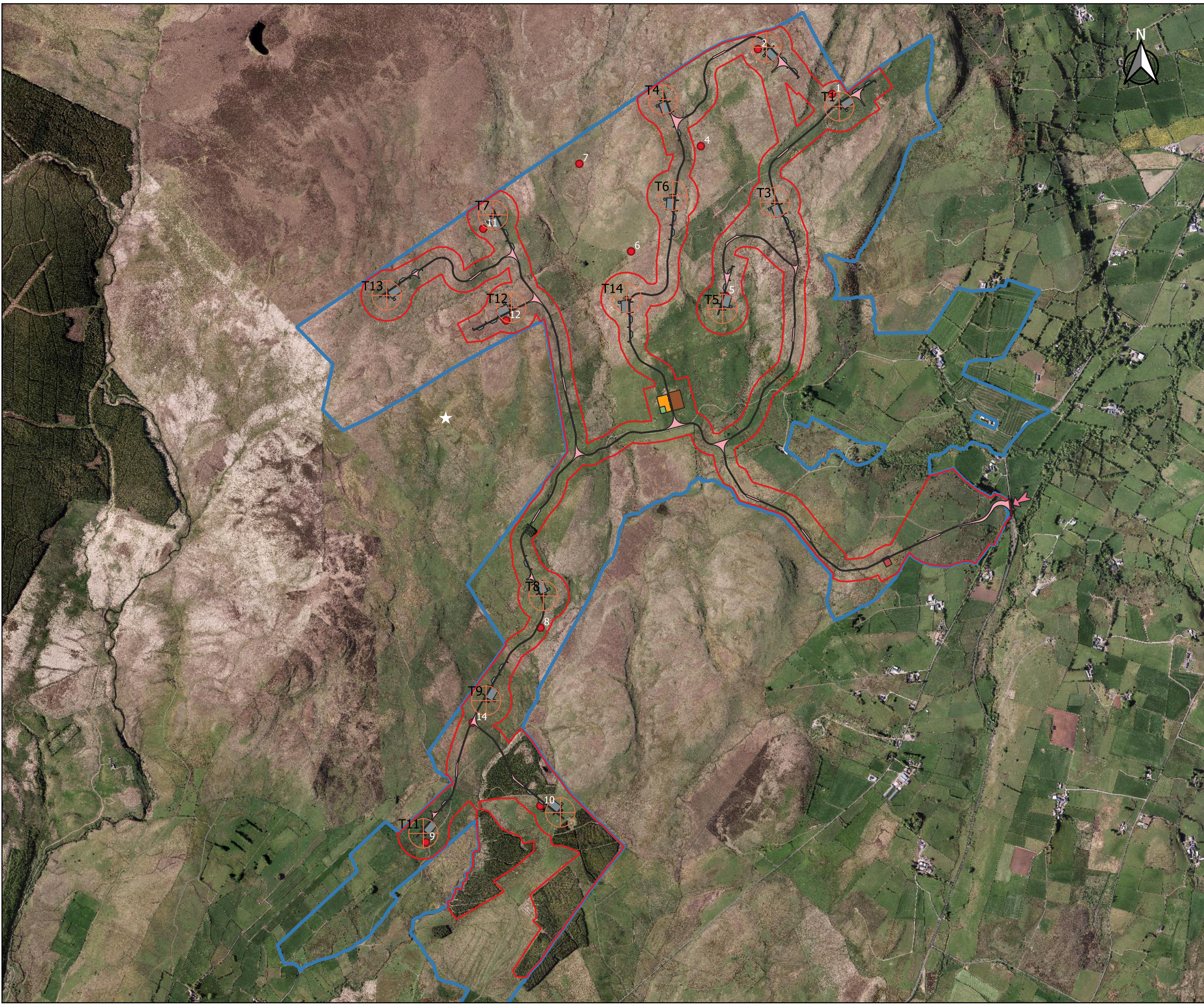
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- KEY**
- Static (bat) Detector Monitoring Locations
 - ★ Vantage Point
 - Land Under Applicants Control
 - Planning Application Boundary
 - Control Building & Substation Compound
 - Crane Hardstanding Area
 - Energy Storage Compound
 - New Site Tracks
 - Site Entrance Location
 - Temporary Construction Compound
 - Temporary Enabling Works Compound
 - Waterless Wheel Wash
 - Watercourse Crossings



SURVEYORS **Blackstaff Ecology**

DRAWING NUMBER

COORDS **TM65 IRISH GRID**

PURPOSE **ENVIRONMENTAL STATEMENT**

SCALE **1:16500** ORIGINAL PLOT SIZE **A3**

PROJECT TITLE **UNSHINAGH WIND FARM**

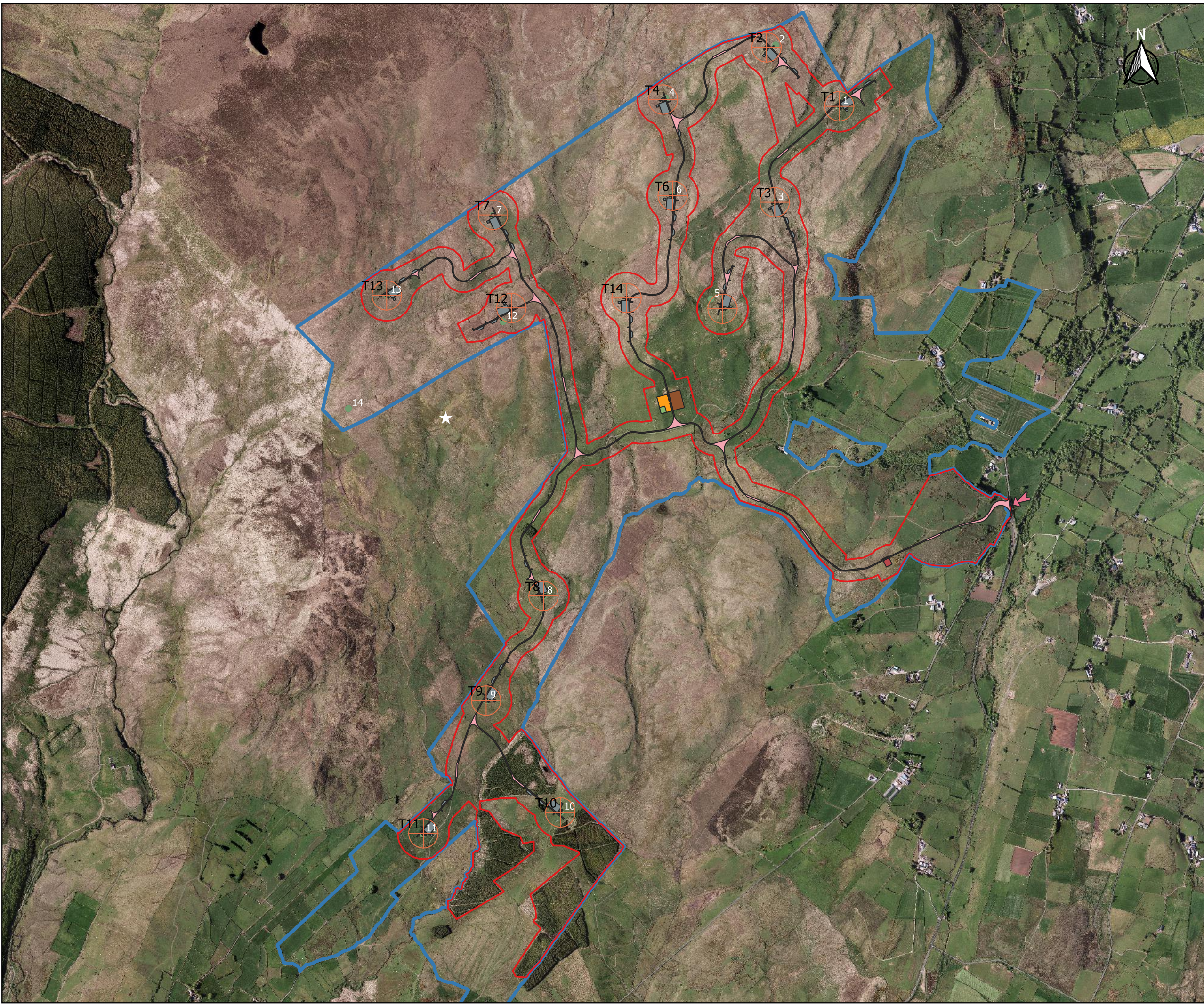
**FIGURE 6.5
STATIC (BAT) DETECTOR LOCATIONS
SPRING & EARLY SUMMER 2021**

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- KEY**
- Static (Bat) Detector Monitoring Locations
 - ★ Vantage Point
 - Land Under Applicant Control
 - Planning Application Boundary
 - Control Building & Substation Compound
 - Crane Hardstanding Area
 - Energy Storage Compound
 - New Site Tracks
 - Site Entrance Location
 - Temporary Construction Compound
 - Temporary Enabling Works Compound
 - Waterless Wheel Wash
 - Watercourse Crossings



SURVEYORS
Blackstaff Ecology

DRAWING NUMBER

COORDS **TM65 IRISH GRID**

PURPOSE **ENVIRONMENTAL STATEMENT**

SCALE **1:16500** ORIGINAL PLOT SIZE **A3**

PROJECT TITLE
UNSHINAGH WIND FARM

FIGURE 6.6
STATIC (BAT) DETECTOR LOCATIONS
LATE SUMMER & AUTUMN 2021

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- KEY**
- Badger target notes
 - Camera trap locations
 - ✱ Red squirrel sighting
 - Land Under Applicants Control
 - Planning Application Boundary
 - Control Building & Substation Compound
 - Crane Hardstanding Area
 - Energy Storage Compound
 - New Site Tracks
 - Site Entrance Location
 - Temporary Construction Compound
 - Temporary Enabling Works Compound
 - Waterless Wheel Wash
 - Watercourse Crossings



DRAWING NUMBER	
COORDS	TM65 IRISH GRID
PURPOSE	ENVIRONMENTAL STATEMENT
SCALE	1:16500
ORIGINAL PLOT SIZE	A3

PROJECT TITLE

UNSHINAGH WIND FARM

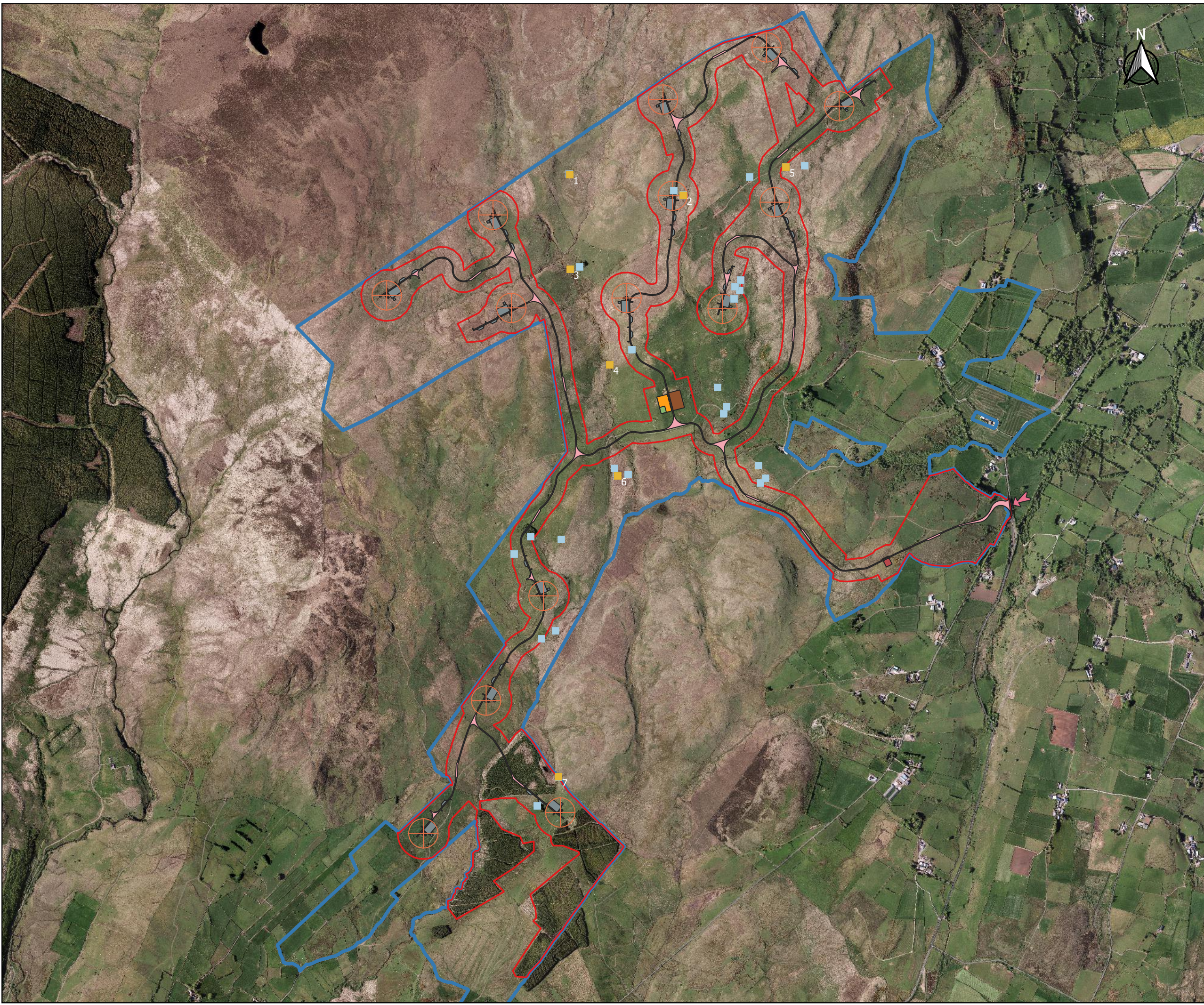
**FIGURE 6.7
NON-VOLANT MAMMAL SURVEY RESULTS**

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- KEY**
- Lizard sightings
 - Refugia locations
 - Land Under Applicants Control
 - Planning Application Boundary
 - Control Building & Substation Compound
 - Crane Hardstanding Area (27-01-2022)
 - Energy Storage Compound
 - New Site Tracks
 - Site Entrance Location
 - Temporary Construction Compound
 - Temporary Enabling Works Compound
 - Waterless Wheel Wash
 - Watercourse Crossings



SURVEYORS 

DRAWING NUMBER

COORDS **TM65 IRISH GRID**

PURPOSE **ENVIRONMENTAL STATEMENT**

SCALE **1:16500** ORIGINAL PLOT SIZE **A3**

PROJECT TITLE
UNSHINAGH WIND FARM

**FIGURE 6.8
COMMON LIZARD SURVEY RESULTS**

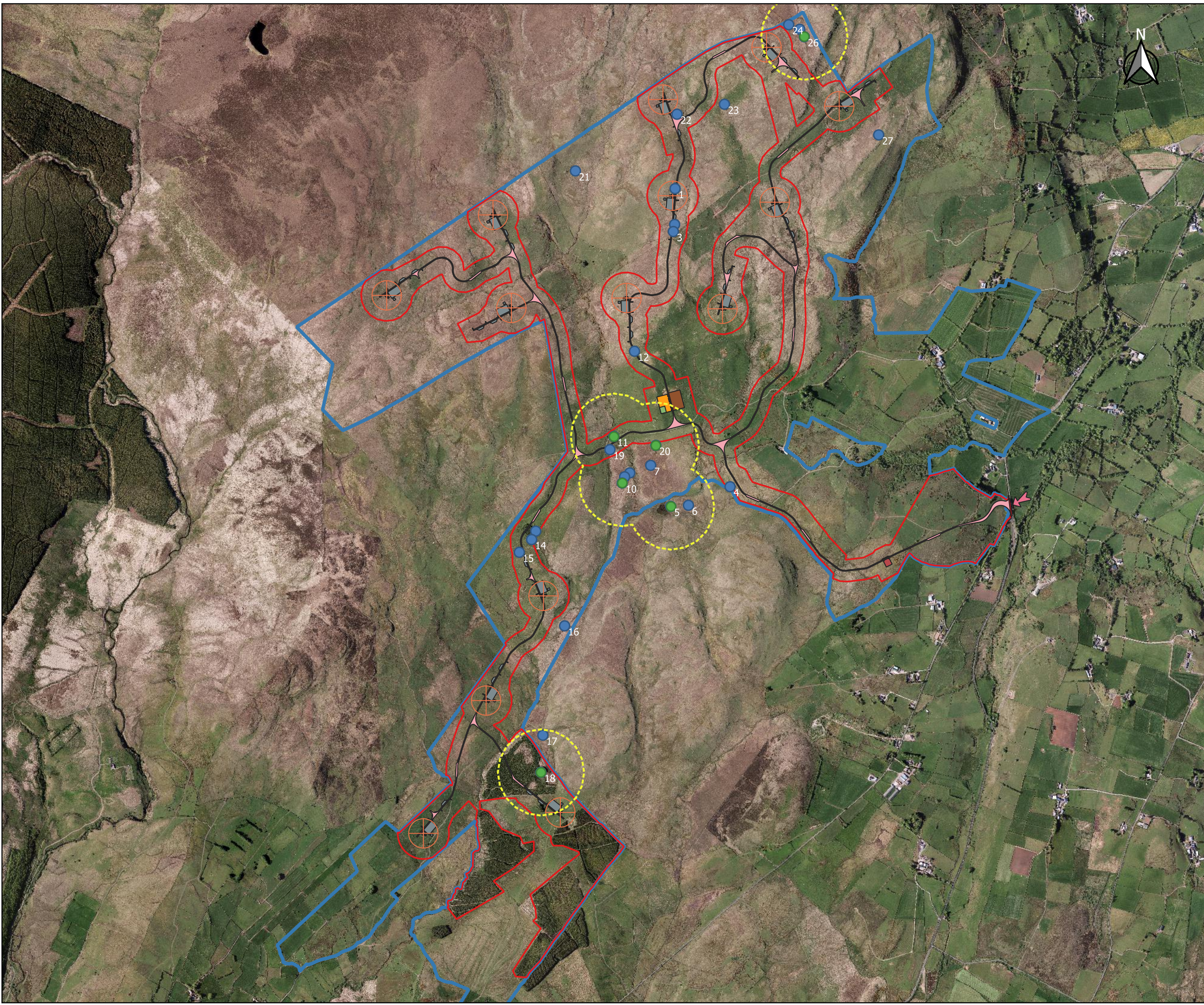
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- KEY**
- Pond Locations (All assessed ponds)
 - Newt sightings
 - Newt 200m buffer
 - Land Under Applicants Control
 - Planning Application Boundary
 - Control Building & Substation Compound
 - Crane Hardstanding Area (27-01-2022)
 - Energy Storage Compound
 - New Site Tracks
 - Site Entrance Location
 - Temporary Construction Compound
 - Temporary Enabling Works Compound
 - Waterless Wheel Wash
 - Watercourse Crossings



SURVEYORS


DRAWING NUMBER

COORDS **TM65 IRISH GRID**

PURPOSE **ENVIRONMENTAL STATEMENT**

SCALE **1:16500** ORIGINAL PLOT SIZE **A3**















PROJECT TITLE
UNSHINAGH WIND FARM

FIGURE 6.9
SMOOTH NEWT SURVEY RESULTS

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- KEY**
-  Block A (49.8 ha)
 -  Block B (7.5 ha)
 -  Block C (5.9 ha)
 -  Land Under Applicant Control
 -  Planning Application Boundary
 -  Control Building & Substation Compound
 -  Crane Hardstanding Area
 -  Energy Storage Compound
 -  New Site Tracks
 -  Site Entrance Location
 -  Temporary Construction Compound
 -  Temporary Enabling Works Compound
 -  Waterless Wheel Wash
 -  Watercourse Crossings



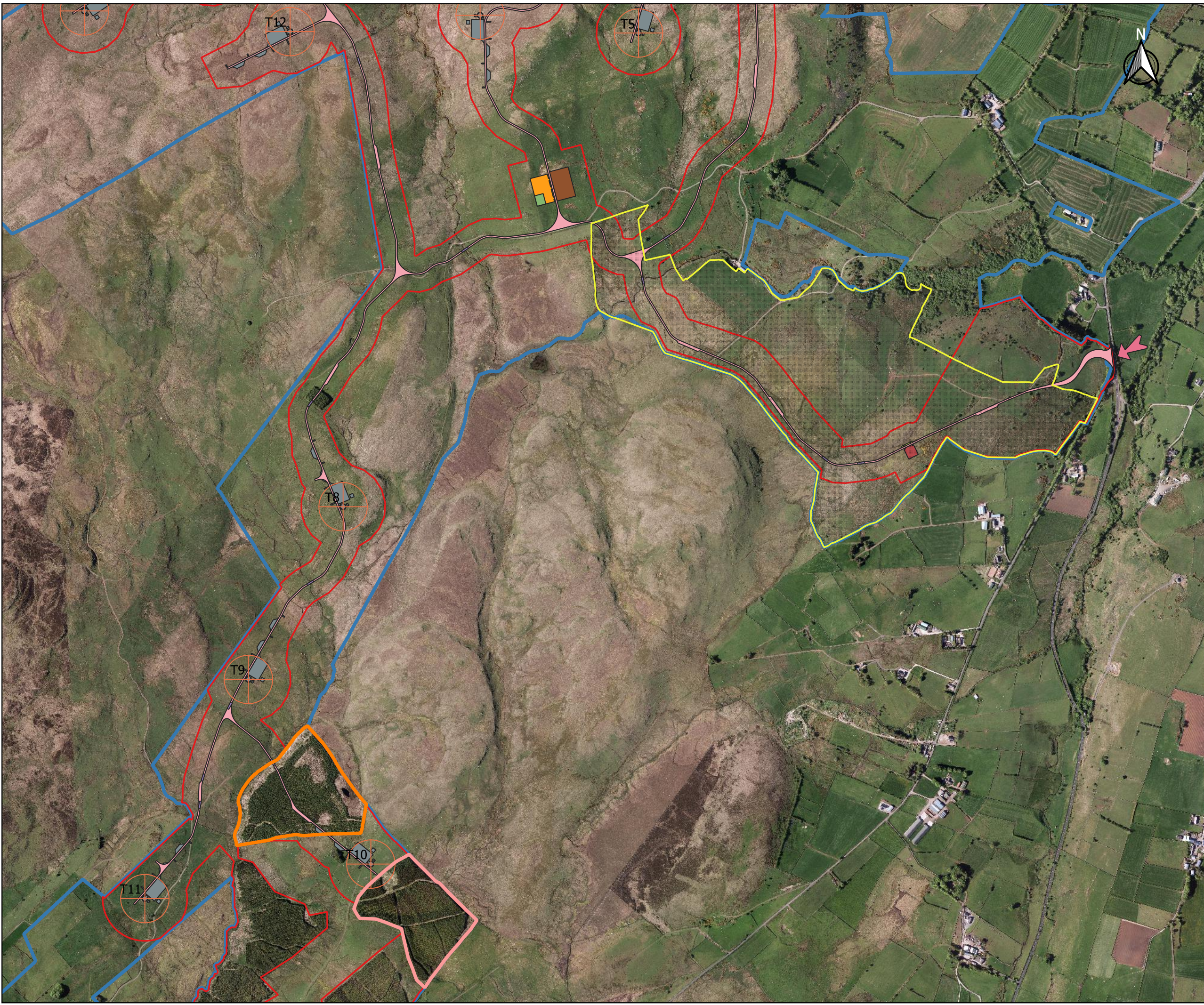
DRAWING NUMBER	
COORDS	TM65 IRISH GRID
PURPOSE	ENVIRONMENTAL STATEMENT
SCALE	1:10000
ORIGINAL PLOT SIZE	A3

PROJECT TITLE

UNSHINAGH WIND FARM

**FIGURE 6.10
HABITAT MANAGEMENT UNITS**

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- KEY**
- Block A (49.8 ha)
 - Proposed Ditch Blocking
 - Land Under Applicant Control
 - Planning Application Boundary
 - New Site Tracks
 - Temporary Enabling Works Compound
 - Watercourse Crossings
 - Waterless Wheel Wash



DRAWING NUMBER

COORDS **TM65 IRISH GRID**

PURPOSE **ENVIRONMENTAL STATEMENT**

SCALE 1:2850	ORIGINAL PLOT SIZE A3
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PROJECT TITLE

UNSHINAGH WIND FARM

**FIGURE 6.11
PROPOSED DITCH BLOCKING**

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