Scottish & Southern Electricity Networks

TRANSMISSION

Dunoon to Loch Long 132 kV OHL Rebuild

Environmental Impact Assessment

Volume 4 | Technical Appendix

Appendix 7.2 - Habitats Data

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TRANSMISSION

CONTENTS

ANNEX C FIGURES

LIST OF ABBREVIATIONS

BNG	Biodiversity Net Gain
CIEEM	Chartered Institute of Ecology and Environmental Management
EIA	Environmental Impact Assessment
EU	European Union
FEP	Farm Environment Plan
GDL	Garden and Designed Landscape
GIS	Geographical Information System
HCA	Habitat Condition Assessment
LBAP	Local Biodiversity Action Plan
LNCS	Local Nature Conservation Site
LNR	Local Nature Reserve
LoD	Limit of Deviation
MMU	Minimum Mapping Unit
MPA	Marine Protected Area
NE	Natural England
OHL	Overhead Line
PAO	Preliminary Alignment Options
SBL	Scottish Biodiversity List
SSSI	Site of Special Scientific Interest
UKHab	UK Habitat Classification

EXECUTIVE SUMMARY

Baseline UK Habitat Classification (UKHab) and Habitat Condition Assessment (HCA) habitat surveys were undertaken within proximity of a proposed overhead line (OHL) running between Loch Long and Dunoon Substation located on the Cowal peninsula, Argyll and Bute, Scotland (hereafter the 'Proposed Development'). These surveys were completed during October 2020; September and November 2021; and July and October 2022.

The purpose of the studies was to identify the current habitat baseline and inform an Environmental Impact Assessment (EIA) for this Proposed Development.

The Proposed Development lies within a predominantly hilly landscape, dominated by conifer plantation in most directions. Upland habitat types are more dominant towards the hilltops of the area.

The proposed OHL alignment passes through Loch Lomond and The Trossachs National Park. There are numerous other statutory and non-statutory designated sites within a wider 1 km buffer.

This report presents baseline information only. The EIA Report will consider potential impacts on the habitats which have been identified along the proposed OHL alignment. All limitations and assumptions are included within this report.

It is anticipated that relatively sensitive habitats along the proposed OHL alignment include: heathlands; bogs; fens; woodlands; and running water.

1. INTRODUCTION

1.1 Project Background

1.1.1 WSP was commissioned by Scottish and Southern Electricity Networks Transmission (hereafter the 'Applicant') to undertake baseline habitat surveys for a new 132 kV twin circuit overhead line (OHL) running between Loch Long and Dunoon Substation located on the Cowal peninsula, Argyll and Bute, Scotland (hereafter the 'Proposed Development'). The location of the Proposed Development is shown in **Figure 7.2.1: UKHab Habitat Results**.

1.1.2 The existing OHL west of the Loch Long crossing is supported by metal lattice towers of an old design which are coming towards the end of their operational life. Due to the old design of the tower and the very steep and arduous terrain crossed by the existing OHL, faults generally associated with high winds can be regular.

1.1.3 The Applicant is therefore proposing to construct a replacement 132 kV twin circuit OHL between the Tower 15 (the tower on the west side of Loch Long) and Dunoon Substation; and to remove the existing OHL. The new double circuit OHL will be supported on steel lattice towers. The removal of the existing OHL is not covered by the scope of the Dunoon to Loch Long 132 kV OHL Replacement EIA Report.

1.2 Scope of Survey

1.2.1 The initial UK Habitat Classification (UKHab) locations studied during October 2020[1] (hereafter the 'Initial Study Area') were based on the Preliminary Alignment Options (PAO) defined at the time of survey. The Initial Study Area comprised the PAO plus a 125 m buffer (to create a 250 m-wide corridor), plus a surrounding 200 m buffer, to give a total Initial Study Area width of 650 m.

1.2.2 The Initial Study Area was also modified to meet the Proposed Development's requirements, specifically:

- exclusion of the Benmore (Younger Botanic Garden) Garden and Designed Landscape (GDL) boundary; and
- inclusion of both settlement "nodes".

1.2.3 The Initial Study Area was expanded and studied during September and November 2021 to encompass additional areas earmarked for the Proposed Development. This included:

- 100 m around Tower 12;
- 100 m either side of the existing access track to Tower 12;
- additional potential alignment options: Section 4B; 4C and 5C (hereafter the 'Preferred Alignment'), plus 125 m Limit of Deviation (LoD) either side, plus 200 m around this on both sides (total width 650 m); and
- alteration of the northern alignment, after the initial habitat surveys.

1.2.4 The Initial Study Area was later expanded and studied again during July and October 2022 to reflect changes in the northern section of the proposed OHL alignment, using the same buffer proximities as the Initial Study Area. The update also covered habitats occurring within 50 m from the centre line (100 m total width) of permanent access route impacts, comprising: existing tracks in 'poor' and 'very poor' condition assumed to require upgrades; proposed retained (permanent) access tracks; and proposed spur tracks.

1.2.5 The total area surveyed in combination, including the Initial Study Area, is hereafter referred to as the 'Survey Area'. This is shown in **Figure 7.2.1: UKHab Habitat Results**.

1.2.6 The following surveys were undertaken:

- UKHab; and

[1] WSP (2021). Scottish Hydro Electric Transmission plc. Dunoon to Loch Long 132 kV OHL Replacement. UK Habitat Classification Memo Report. V1.0.

- Habitat Condition Assessment (HCA).

1.2.7 The purpose of the survey was to provide a baseline description of the Site's habitats and their distribution relative to the Proposed Development with particular regard to:

- mapping the extent of habitats using UKHab methodology;
- identifying the potential presence of Annex I habitat under the European Union Habitats Directive; and
- identifying the potential presence of UK Priority habitats.

1.2.8 This Ecology Technical Report presents the methodology and findings of the above surveys.

2. METHODOLOGY

2.1 Overview

2.1.1 An initial habitat survey was completed in October 2020, with additional habitat surveys undertaken in September and November 2021; and July and October 2022. All surveys were carried out by Suitability Qualified Ecologists who are experienced and competent in surveying sites containing similar habitat types and species. Surveys were led by a WSP UK Ltd ('WSP') Principal Ecologist with over six years of experience undertaking habitat assessments. The WSP Principal Ecologist holds full membership of the Chartered Institute of Ecology and Environmental Management (CIEEM) and is 'accomplished' in habitat identification and evaluation, as per their competency framework[2].

2.2 Desk Study

2.2.1 A series of desk-based studies were undertaken, during the Proposed Development's environmental routeing stage. The desk study was undertaken to identify a broad range of potential constraints and opportunities within the corridor, and its adjacent context, which may be constraints to routeing. This included the following:

- identification of designated sites and other constraints from GIS datasets available from the NatureScot SiteLink[3]; Scotland's Environment Web[4]; Ordnance Survey (OS) and aerial mapping;
- identification of records of protected species, habitats and other constraints from National Biodiversity Network (NBN) Atlas[5]; and
- review of the Argyll and Bute Local Development Plan (2015)[6], Argyll and Bute Local Development Plan 2 (2020)[7] and Loch Lomond and The Trossachs National Park Local Development Plan (2017)[8] to identify further environmental constraints and opportunities, such as regional level designations.

2.2.2 In addition, consultation with potentially applicable natural heritage data providers was undertaken, during the Proposed Development's alignment selection study stage, to source records of protected species, habitats and other constraints. The data providers consulted included:

- Argyll Biological Records Centre (ABReC);
- Butterfly Conservation;
- Argyll County Recorder for Botanical Society of Britain and Ireland (BSBI);
- Bat Conservation Trust (BCT);
- Cowal Red Squirrel Group;
- Scottish Wildlife Trust;
- Argyll and Bute Local Biodiversity Partnership via Argyll and Bute Council;
- Buglife;
- Loch Lomond Bat Group;
- Loch Lomond and the Trossachs National Park; and
- The Vincent Wildlife Trust.

[2] CIEEM (2019a). Competency Framework. Available at: https://cieem.net/resource/competency-framework

[3] NatureScot (no date). SiteLink [online]. Available at: https://sitelink.nature.scot/home [Accessed November 2022].

[4] Scottish Environment Protection Agency (no date). Scotland's Environment Web [online]. Available at: https://map.environment.gov.scot/sewebmap/ [Accessed July 2022].

[5] NBN Atlas [online]. Available at: https://nbnatlas.org/ [Accessed July 2022].

[6] Argyll and Bute Council (2015). Local Development Plan. Available at: https://www.argyll-bute.gov.uk/ldp.

[7] Argyll and Bute Council (2020). Local Development Plan 2: Proposed Local Development Plan 2. Available at: https://www.argyll-bute.gov.uk/ldp2.

[8] Loch Lomond and The Trossachs National Park Authority (2017). Local Development Plan. https://www.lochlomond-trossachs.org/planning/planning-guidance/local-development-plan/

2.3 UK Habitat Classification

2.3.1 Habitats were described and mapped following the Professional Version 1.1 of UKHab using the following documents:

- UKHab User Manual[9] (hereafter 'UKHab User Manual');
- UKHab Field Key[10];
- UKHab Habitat Descriptions Version 1.1[11]; and
- UKHab Classification Basic Edition: Suggested Symbology for Maps[12].

2.3.2 The UKHab Working Group[13] describes UKHab as *"...a unified and comprehensive approach to classifying habitats, designed to provide a simple and robust approach to survey and monitoring*". The dominant plant species are recorded, and habitats are classified according to their vegetation types. UKHab system comprises of a principal hierarchy (the Primary Habitats) and non-hierarchical Secondary Codes. Primary Habitats include:

- Level 1: major ecosystem categories;
- Level 2: ecosystem types;
- Level 3: broad habitat types, corresponding with UK Biodiversity Action Plan Broad Habitats and closely to the European Nature Information System;
- Level 4: more defined habitats, including Priority Habitats[14]: and
- Level 5: further defined habitats, including Annex I Habitats[15] (level 5).

2.3.3 Secondary Codes can then be used to provide more information on a habitat from the following categories:

- mosaic habitats;
- habitat complexes;
- origin of habitat;
- management;
- land use;
- environmental qualifiers;
- hydrological regime; and
- green infrastructure.

2.3.4 A single Primary Habitat is assigned to each polygon, line or point feature with generally a maximum of six Secondary Codes used. Lowercase letters are used, with the levels 2 to 5 shown by the alphanumeric code and no commas are used between secondary codes as per the UKHab User Manual. Habitats are described by the Primary Habitat first (e.g. **w1h5** 'other woodland; mixed; mainly broadleaved') with Secondary Codes following (e.g. **w1h5 36 57** 'other woodland; mixed; mainly broadleaved' that is plantation with young trees - self set). Secondary Codes are required for habitat mosaics, Priority Habitats and Annex I Habitats that occur in multiple Primary Habitats and habitat origins.

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[9] UKHab Working Group (2018a). UKHab User Manual. UKHab Working Group (UKHab Ltd), Stockport, Cheshire. Available at: https://ecountability.co.uk/ukhabworkinggroup-ukhab/

[10] UKHab Working Group (2018b). UK Habitat Classification Field Key. UKHab Working Group (UKHab Ltd), Stockport, Cheshire. Available at: https://ecountability.co.uk/ukhabworkinggroup-ukhab/

[11] UKHab Working Group (2020a). UKHab Habitat Descriptions Version 1.1 UKHab Working Group (UKHab Ltd), Stockport, Cheshire. Available at: https://ecountability.co.uk/ukhabworkinggroup-ukhab/

[12] UKHab Working Group (2020b). UKHab Basic Edition: Suggested Symbology for Maps. UKHab Working Group (UKHab Ltd), Stockport, Cheshire. Available at: https://ecountability.co.uk/ukhabworkinggroup-ukhab/

[13] UKHab (no date). The UK Habitat Classification System/ Available at: https://ukhab.org/

[14] UK BAP (2011). UK Biodiversity Action Plan (UK BAP) priority habitats. BRIG (ed. Ant Maddock). [online] Available at: https://data.jncc.gov.uk/data/2728792c-c8c6-4b8c-9ccd-a908cb0f1432/UKBAP-PriorityHabitatDescriptions-Rev-2011.pdf

[15] European Commission (1992). Council Directive 92/43/EEC (as amended), Annex I. Available at: https://www.legislation.gov.uk/eudr/1992/43/contents

2.3.5 Point features were used for Primary Habitats if these were of conservation interest and too small to map as an area. For this survey, where possible, level 5 Primary Habitat codes were used for habitats. Target notes on habitat descriptions were taken for each habitat type. The scientific names for vascular (flowering) plant species follow those in the New Flora of the British Isles[16]. Nomenclature for bryophytes follows Mosses and Liverworts of Britain and Ireland[17]. Relative plant species abundance was estimated using the DAFOR[18] scale. These are given in Annex A – **Species List**.

2.3.6 Habitats were recorded in the field using Geographical Information System (GIS) enabled software. Once recorded, these habitats were later quality assured utilising GIS desktop software. Habitat symbology was ascribed following UKHab Basic Edition: Suggested Symbology for Maps[11]; any habitats not included within the suggested symbology were given an alternative symbol. Each feature with a Secondary Code was given a target note number which is displayed on the map. Full detail of the attributed Secondary Codes for each target note is given in **Annex B – UKHab Secondary Code Target Notes**.

2.3.7 The metadata is summarised in **Table 2-1** for the survey to accompany the GIS shapefile output.

Table 2-1: Summary of UKHab Metadata

Metadata heading	Survey metadata
Scope and purpose of the survey	Baseline UKHab survey to inform EIA and final alignment.
Area surveyed	Preferred Alignment plus 125 m buffer (to create a 250 m corridor), plus 200 m buffer around this on both sides (total width 650 m).
Edition of UKHab Used	UKHab Professional V1.1.
Minimum Mapping Unit (MMU)	MMU for polygons was 2,500 m² (50 m by 50 m) with a minimum width of 5 m. For linear features the minimum length was 20 m with a maximum width of 5 m. Areas smaller than this of important habitats (i.e. blanket bog) were marked as point features.
The Level of UKHab Primary Hierarchy used	Preferred Alignment plus 125 m buffer (250 m corridor) = Level 5 (as far as reasonable possible given time of year and scale of Survey Area) 200 m buffer (around the 250 m corridor) = Level 3
List of secondary code groups recorded	Preferred Alignment plus 125 m buffer (250 m corridor) = all Secondary Code groups except Green Infrastructure 200 m buffer (around the 250 m corridor) = Origin and Mosaic Secondary Code groups only.
Scoped in	Survey Area except exclusions defined in the following '**Scoped out**' metadata item, below.
Scoped out	Plantation coniferous woodland (w2c) assume poor condition; urban areas (u1) assume Poor condition; forestry rides (point feature to re-survey when final alignment available – map to Level 2 as point feature); modified grassland (g4) assume poor condition; and crops (c1) assume poor condition. HCA only of Preferred Alignment plus 125 m buffer (i.e. 250 m corridor); no HCA of 200 m buffer beyond 250 m corridor (where Level 3 UKHab applicable).
Map Projection and unit	British National Grid in metres.

[16] Stace C. A. (2019). New Flora of the British Isles. Fourth Edition. C&M Floristics, Suffolk.

[17] Atherton, I., Bosanquet, S., Lawley, M. eds. (2010). Mosses and Liverworts of the British Isles: a field guide. British Bryological Society.

[18] The DAFOR scale has been used to estimate the frequency and cover of the different plant species as follows: Dominant (D), Abundant (A), Frequent (F), Occasional (O), Rare (R), The term 'Locally' (L) is also used where the frequency and distribution of a species are patchy and 'Edge' (E) is also used where a species only occurs on the edge of a habitat type.

Metadata heading	Survey metadata
Organisation undertaking the survey	WSP UK Ltd
References for any existing datasets that have been used	Previous Phase 1 Habitat survey[19] and UKHab Survey[1].

2.3.8 Following data collection, habitats were assessed for their potential to be an SBL habitat or Argyll and Bute Local Biodiversity Action Plan (LBAP) priority habitat.

2.4 Habitat Condition Assessment

2.4.1 Concurrently with the UKHab survey, WSP undertook an HCA of the Preferred Alignment plus 125 m buffer. The HCA followed the 2019 SSEN Transmission Guidance[20], which requires habitat condition to be assessed using the system presented in Natural England's (NE) Farm Environment Plan (FEP) manual[21]. The results of the HCA will be reported within the Proposed Development's separate Biodiversity Net Gain Report.

2.5 Notes and Limitations

2.5.1 The surveys undertaken during October 2020 and November 2021 were not completed during the optimal survey season for botanical surveys, which is generally accepted to extend from April to September (inclusive). Botanical surveys are seasonally limited, and throughout the spring, summer and autumn period certain species will be more or less evident at different times (i.e. depending on the flowering season). However, it is considered that sufficient information was gathered to enable an identification of UKHab Primary Habitats to at least level 4 within the Survey Area, and level 5 for certain Primary Habitats that remain distinguishable later in the year. Whilst the HCA data may be limited, a precautionary pass on criteria that could not be reliably assessed was applied.

2.5.2 The results of the UKHab survey represent a current evaluation (as opposed to one seeking to describe what the habitats were before any human interference or may become in the future). In the absence of changes in land use, hydrology, or otherwise, and depending on the sensitivity and condition of habitats identified, it is likely that habitat data remain valid for up to three years[22].

2.5.3 Surveys of uplands during week commencing 26 October 2020 were hampered by thick fog; this in combination with the fluid mosaic of heaths, mires and grasslands made it difficult to accurately define the extent of specific habitats in the central upland section. Every effort was made to cover all ground within the upland reaches of the Survey Area to assess each habitat and use of a GPS enabled tablet allowed the surveyors to accurately locate themselves and map their surroundings. The dominant habitat in any given polygon has been mapped, with Secondary Codes applied to indicate where mosaics may exist (e.g. scattered bracken, scattered shrubs). Any gaps in the surveyed areas were completed during the 2021 and 2022 site surveys.

2.5.4 Several areas of coniferous plantation woodland were not accessible at time of survey due to harvesting operations therefore were assessed using aerial photography. The cover of plantation woodland is likely to have changed from time of survey with more now being represented as felled woodland. However, as the biodiversity value of plantation woodland and felled woodland are both assumed to be poor this does not impact the assessment. Additionally, any areas of felled woodland will likely be replanted in the future and therefore represent a relatively continuous cover of coniferous plantation woodland.

[19] WSP (2018). Scottish Hydro Electric Transmission plc. Dunoon to Garelochhead Re-conducting of 132 kV Overhead. Extended Phase 1 Habitat Report. Version 1.0.

[20] SSEN (2019). Biodiversity Net Gain Technical Assessment Methodology & Associated Guidance. Scottish & Southern Electricity Networks - Transmission, Perth.

[21] Natural England (2010). Higher Level Stewardship, Farm Environment Plan (FEP) Manual, 3rd Edition.

[22] CIEEM (2019b). On the Lifespan of Ecological Reports & Surveys [online]. Available at: https://cieem.net/wp-content/uploads/2019/04/Advice-Note.pdf

3. RESULTS

3.1 Overview

3.1.1 The Survey Area lies within a predominantly hilly landscape and is dominated by conifer plantation in most directions. Upland habitat types are more dominant towards the hilltops of the Survey Area including Am Binnein and Cruach a' Chaise hills (situated north of Ardentinny) and Stronchullin Hill and Creag Mhor (Situated south of Ardentinny) where habitats are comprised mainly of acid grassland and heathland habitats with smaller areas of fen, blanket bog and bracken habitat throughout. The lowland habitats in Ardentinny, Ardbeg, Dalinlongart and Sandbank are mainly dominated by grazing pasture with patches of semi-natural and plantation woodland. There are several watercourses located within the Survey Area, including three larger watercourses; Little Eachaig River, Eachaig River and Glenfinart Burn. Little Eachaig converges with the Eachaig River downstream of the Survey Area before flowing into the Holy Loch and are both located in Dalinlongart. Glenfinart Burn is situated in the Ardentinny and flows into Loch Long. All three watercourses have associated riparian habitat including woodland of semi-natural origin. All other watercourses located in the Survey Area are small unnamed streams flowing downhill into the Holy Loch and Loch Long.

3.2 Desk Study

Designated Sites

3.2.1 Details of all statutory ecological designated sites which occur within 2 km of the proposed OHL alignment and non-statutory designations which occur within 1 km of the proposed OHL alignment identified during the desk study exercise are described in **Table 3-1** in order of increasing distance from the proposed OHL alignment. The locations of these sites are shown in **Figure 7.2.2: 2 km Statutory Natural Heritage Designations** and **Figure 7.2.3: 1 km Non-Statutory Natural Heritage Designations**.

Table 3-1: Designated Sites

Site Name	Reason for Designation	Distance and direction from proposed OHL alignment
Loch Lomond and The Trossachs National Park	Dynamic landscape of lochs and woodlands, mountains and moorlands. Known to be home to protected species such as nesting golden eagles, water voles and red squirrels.	Overlaps
Craighoyle Woodland Site of Special Scientific Interest (SSSI) (biological)	Ancient, deciduous woodland associated open ground and scattered trees; a habitat that supports a number of nationally important lower plant communities. The notified natural features are bryophyte and lichen assemblages.	0.57 km west
Upper Loch Fyne and Loch Goil Marine Protected Area (MPA)	Protected features are: burrowed mud; flame shell beds; horse mussel beds; sublittoral mud and specific mixed sediment community habitats; and aggregations of ocean quahog clam.	0.61 km north
Holy Loch Argyll and Bute Local Nature Conservation Site (LNCS)	Notable for its saltmarsh and estuarine habitat.	0.93 km east
Holy Loch Local Nature Reserve (LNR)	Area of woodland, foreshore and mudflats with a habitat mosaic shoreline (saltmarsh; mudflats; gravel beds; estuarine scrub). Notable for supporting a range of waders and overwintering bird species.	0.93 km east

Site Name	Reason for Designation	Distance and direction from proposed OHL alignment
Loch Eck SSSI (biological)	The notified natural features are flood-plain fen; an oligotrophic loch; the loch's fish and bryophyte assemblages; Scotland's rarest freshwater fish, the powan; and a race of nationally rare whitefish, *Coregonus laverutis*. It is also the only Scottish site where Artic charr and the powan co-exist. Apart from Loch Lomond, it is the only naturally occurring habitat of the powan fish.	1.77 km west

Ancient Woodlands

3.2.2 Numerous pockets of ancient and native woodland were identified along the proposed OHL alignment during the desk study exercise. The locations of these sites are shown in **Figure 7.2.4: 1 km Ancient, Native and Near-Native Woodlands.**

3.3 UKHab Survey Results

3.3.1 These results are split into area, linear and point feature habitats, giving an overview of the Survey Area. The extents of the habitats are shown in **Figure 7.2.1: UKHab Habitat Results** with Secondary Code target notes displayed in **Annex B**.

Area-Based Habitats

3.3.2 A total of 30 Primary Habitats were recorded as area-based habitats across the Survey Area which are listed in **Table 3-2**, along with the total area[23] covered in the Survey Area by each habitat type and percentage of cover[24]. Priority Habitats are highlighted by **black bold text** and Annex I Habitats are highlighted by **red bold text**.

Table 3-2: UKHab Survey results for area-based habitats

UKHab Primary Habitat	Total Area per habitat type (ha)	Percentage of cover per habitat type (%)
w2c – Other coniferous woodland	1045.643	52.789
g4 – Modified grassland	130.160	6.571
g1b6 – Other upland acid grassland	105.888	5.346
h1b – Upland heathland	**105.323**	**5.317**
f2 – Fen marsh and swamp	**74.643**	**3.768**
g1b – Upland acid grassland	55.427	2.798
u1e – Built linear features	54.682	2.761
w1f – Lowland mixed deciduous woodland	51.353	2.593
f1a - Blanket bog	**50.229**	**2.536**
h1b6 – Wet heathland with cross-leaved heath; upland (H4010)	**38.193**	**1.928**
g1c – Bracken	36.073	1.821
w1 – Broadleaved mixed and yew woodland	27.939	1.411

[23] Rounded to three decimal places.
[24] Rounded to three decimal places.

UKHab Primary Habitat	Total Area per habitat type (ha)	Percentage of cover per habitat type (%)
h1b5 – Dry heaths; upland (H4030)	27.633	1.395
w1h – Other woodland; mixed	23.255	1.174
u1 – Built-up areas and gardens	22.994	1.161
w1e – Upland birchwoods	**22.631**	**1.143**
h3 – Dense scrub	14.732	0.744
h1 – Dwarf shrub heath	14.521	0.733
r2 – Rivers and streams	11.874	0.599
w2 – Coniferous woodland	11.222	0.567
g1 – Acid grassland	10.975	0.554
g3c8 – Holcus-Juncus neutral grassland	10.664	0.538
g3c – Other neutral grassland	10.627	0.536
f1 – Bog	8.691	0.439
g3 – Neutral grassland	6.420	0.324
w1g – Other woodland; broadleaved	5.983	0.302
f2a – Lowland fens	1.530	0.077
r1 – Standing open water and canals	0.953	0.048
u1b5 - Buildings	0.454	0.023
w1h6 – Other woodland; mainly conifer	0.080	0.004
Total	1980.789	100.00

Linear Habitats

3.3.3 Five linear habitats were mapped within the Survey Area equating to a total length of 61 km, shown in **Table 3-3**[25].

Table 3-3: UKHab survey results for linear habitat types

UKHab Primary Habitat	Total length per habitat type (m)	Percentage of total Linear Features per habitat type (%)
r2b – Other rivers and streams	64271.920	92.438
w1g6 – Line of trees	3382.015	4.864
w1 – Broadleaved mixed and yew woodland	794.518	1.143
u1e – Built linear features	607.585	0.874
g3c – Other neutral grassland	473.496	0.681
Total	69529.534	100.000

[25] Rounded to three decimal places.

Point Features

3.3.4 Seven habitat types were recorded as point features which are summarised in **Table 3-4**. These habitats were smaller than the MMU but considered important to be highlighted due to their conservation value as a habitat, or value/resource to protected and priority species. As above, Priority Habitats are highlighted by **black bold text** and Annex I Habitats are highlighted by **red bold text**.

Table 3-4: UKHab point feature habitats

UKHab Primary Habitat	Total number of point features
f1a5 – Blanket bog (H7130)	**1**
f2b – Purple moor grass and rush pasture	**1**
f2c – Upland flushes, fens and swamps	**2**
g1c – Bracken	1
h1b – Upland heathland	1
r1 – Standing open water and canals	3
w2c – Other coniferous woodland	1

4. CONCLUSIONS

4.1.1 This Ecology Technical Report has provided a baseline description of habitats within influence of the Survey Area through a field survey of which, many were identified as or have overlapping definitions for Annex I and/or Priority habitats.

4.1.2 The proposed OHL alignment extends through several statutory and non-statutory designated sites.

4.1.3 It is anticipated that relatively sensitive habitats along the proposed OHL alignment include: heathlands; bogs; fens; woodlands; and running water.

Annex A Species List

Table A-1: Species List

Common name	Latin Species
Alder	*Alnus glutinosa*
Ash	*Fraxinus excelsior*
Beech	*Fagus sylvatica*
Bell heather	*Erica cinerea*
Bilberry	*Vaccinium myrtillus*
Birch sp.	*Betula sp.*
Bog asphodel	*Narthecium ossifragum*
Bog myrtle	*Myrica gale*
Bottle sedge	*Carex rostrata*
Bracken	*Pteridium aquilinum*
Bramble	*Rubus fruticosus*
Cedar	*Cedrus* sp.
Cherry	*Prunus* sp.
Colt's-foot	*Tussilago farfara*
Common bent	*Agrostis capillaris*
Common cottongrass	*Eriophorum angustifolium*
Common sedge	*Carex nigra*
Common sorrel	*Rumex acetosa*
Compact rush	*Juncus conglomeratus*
Creeping buttercup	*Ranunculus repens*
Creeping soft-grass	*Holcus mollis*
Cross-leaved heath	*Erica tetralix*
Crowberry	*Empetrum nigrum*
Cypress sp.	*Cupressus* sp.
Deergrass	*Trichophorum germanicum*
Devil's-bit scabious	*Succisa pratensis*
Douglas fir	*Pseudtsuga menziesii*
Downy birch	*Betula pubescens*
Fox glove	*Digitalis purpurea*
Gorse	*Ulex europaeus*
Grey willow	*Salix cinerea*

Common name	Latin Species
Hard fern	*Blechnum spicant*
Hare's-tail cottongrass	*Eriophorum vaginatum*
Hawthorn	*Crataegus monogyna*
Hazel	*Corylus avellana*
Hard fern	*Blechum spicant*
Heath bedstraw	*Galium saxatile*
Heath rush	*Juncus squarrosus*
Heather	*Calluna vulgaris*
Herb robert	*Geranium robertianum*
Holly	*Ilex aquifolium*
Ivy	*Hedera helix*
Larch	*Larix decisua*
Lousewort	*Pedicularis sylvatica*
Marsh thistle	*Cirsium palustre*
Marsh violet	*Viola palustris*
Mat-grass	*Nardus stricta*
Monkey puzzle	*Arucaria araucana*
Oak sp.	*Quercus* sp.
Oblong-leaved sundew	*Drosera intermedia*
Poplar sp.	*Populus sp.*
Purple moor-grass	*Molinia caerulea*
Ragwort	*Jacobaea vulgaris*
Rhododendron	*Rhododendron sp.*
Ribwort plantain	*Plantago lanceolata*
Rowan	*Sorbus aucuparia*
Scot's pine	*Pinus sylvestris*
Sharp-flowered rush	*Juncus acutiflorus*
Sitka spruce	*Picea sitchensis*
Soft rush	*Juncus effusus*
Spear thistle	*Cirsium vulgare*
Star sedge	*Carex enchinata*

Common name	Latin Species
Sweet vernal grass	*Anthoxanthum odoratum*
Sycamore	*Acer pseudoplatanus*
Tormentil	*Potentilla erecta*
Turfed hair-grass	*Deschampsia cespitosa*
Viviparous fescue	*Festuca vivipara*
Wavy hair grass	*Deschampsia flexuosa*
Willow sp.	*Salix* sp.
Woodrush	*Luzula* sp.

Common name	Latin Species
Wood-sorrel	*Oxalis acetosella*
Yorkshire-fog	*Holcus lanatus*
Moss	*Polytrichum commune*
Moss	*Polytrichum stricta*
Moss	*Sphagnum capillofolium*
Moss	*Sphagnum fallax*
Moss	*Sphagnum papillosum*
Moss	*Sphagnum palustre*

Annex B UKHab Secondary Code Target Notes

Table B-1: UKHab Secondary Code Target Notes

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
1	1.92	r2	-
2	0.25	r2	-
3	0.75	w1	-
4	0.17	u1	-
5	0.26	r1F	-
6	2.28	r2	-
7	3.62	r2b	-
8	1.53	f2b	-
9	24.99	g1b6	11 Scattered trees, 13 Scattered dwarf shrubs, 14 Scattered rushes
10	0.78	h1	-
11	31.79	h1b	56 Young trees - planted, 12 Scattered bracken, 128 Spring, 129 Flush
12	0.36	f1	-
13	0.25	h1b	127 Peat
14	0.57	f2c	15 Rushes dominant
15	5.74	g1b6	13 Scattered dwarf shrubs
16	0.69	g1c	10 Scattered scrub, 11 Scattered trees, 48 Non-native
17	0.11	g1c	-
18	0.59	w1h5	37 Semi-natural woodland, 10 Scattered scrub, 48 Non-native
19	3.83	w1e	12 Scattered bracken, 13 Scattered dwarf shrubs, 48 Non-native, 37 Semi-natural woodland
20	2.48	w1f7	12 Scattered bracken, 37 Semi-natural woodland, 47 Native, 147 Fallen dead wood abundant
21	0.37	w1	37 Semi-natural woodland
22	2.21	w1h5	37 Semi-natural woodland, 48 Non-native
23	0.68	g1c	11 Scattered trees
24	0.99	w1	37 Semi-natural woodland
25	0.53	h1b5	11 Scattered trees, 156 Rock outcrop
26	5.29	h3g	11 Scattered trees, 48 Non-native
27	0.69	w1h5	10 Scattered scrub, 47 Native, 173 Swamp
28	4.01	w1	37 Semi-natural woodland, 12 Scattered bracken
29	7.67	w1f5	37 Semi-natural woodland, 12 Scattered bracken
30	0.81	w1h5	14 Scattered rushes, 36 Plantation

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
31	12.02	w1	37 Semi-natural woodland, 12 Scattered bracken
32	0.11	w1	-
33	1.17	w1h5	57 Young trees - self-set, 48 Non-native
34	13.02	w2c	36 Plantation
35	3.89	w2c	36 Plantation
36	6.88	w1f7	47 Native, 37 Semi-natural woodland, 41 Freshwater - natural
37	0.87	w1	-
38	3.77	w1e	-
39	0.38	w1	37 Semi-natural woodland, 13 Scattered dwarf shrubs
40	8.49	w2c	53 Felled
41	1.74	w1f7	10 Scattered scrub, 48 Non-native, 156 Rock outcrop
42	0.59	w1g7	-
43	0.20	w1	-
44	0.63	w1	-
45	2.76	w1f7	10 Scattered scrub, 48 Non-native
46	1.73	w1e	12 Scattered bracken, 13 Scattered dwarf shrubs, 37 Semi-natural woodland, 58 Grazed,
47	0.33	w1	-
48	8.06	w2c	36 Plantation
49	2.03	w2c	36 Plantation
50	0.79	w1h5	12 Scattered bracken,37 Semi-natural woodland
51	0.39	w1	37 Semi-natural woodland
52	6.21	w2c	56 Young trees - planted, 15 Rushes dominant
53	0.71	w1f7	37 Semi-natural woodland
54	0.29	w1	-
55	2.09	w1h5	10 Scattered scrub, 12 Scattered bracken, 13 Scattered dwarf shrubs, 48 Non-native
56	5.88	w2c	36 Plantation
57	2.70	w1e	15 Rushes dominant, 12 Scattered bracken, 37 Semi-natural woodland, 156 Rock outcrop
58	9.04	w2c	36 Plantation
59	1.04	w2	-
60	2.55	w2c	36 Plantation
61	1.20	w1h6	10 Scattered scrub, 48 Non-native, 12 Scattered bracken, 37 Semi-natural woodland

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
62	7.76	w1f7	37 Semi-natural woodland, 47 Native, 118 Mesic, 14 Scattered rushes, 12 Scattered bracken
63	14.32	w2c	36 Plantation
64	3.99	w1f7	10 Scattered scrub, 47 Native, 37 Semi-natural woodland
65	59.93	w2c	36 Plantation
66	0.92	w1e	10 Scattered scrub, 48 Non-native, 37 Semi-natural woodland
67	2.80	w1f7	10 Scattered scrub, 48 Non-native, 37 Semi-natural woodland
68	0.83	w2c	36 Plantation, 13 Scattered dwarf shrubs
69	17.41	w2c	36 Plantation
70	162.22	w2c	36 Plantation
71	2.34	w1h5	48 Non-native, 12 Scattered bracken, 10 Scattered scrub
72	8.93	w2c	36 Plantation
73	1.21	w1f7	37 Semi-natural woodland
74	81.94	w2c	36 Plantation
75	7.67	w2c	56 Young trees - planted
76	0.36	h1b5	10 Scattered scrub, 12 Scattered bracken, 48 Non-native
77	0.65	w2c	53 Felled
78	1.48	w1h6	10 Scattered scrub, 48 Non-native
79	3.93	w2c	36 Plantation, 10 Scattered scrub, 48 Non-native
80	4.57	w2c	36 Plantation, 10 Scattered scrub, 48 Non-native
81	21.37	w2c	36 Plantation
82	71.01	w2c	36 Plantation, 12 Scattered bracken
83	1.76	w2	-
84	9.73	w2c	36 Plantation
85	1.05	w1f7	37 Semi-natural woodland, 12 Scattered bracken, 10 Scattered scrub
86	0.09	w2c	36 Plantation
87	9.53	w2c	36 Plantation
88	21.96	w2c	36 Plantation
89	3.02	w2c	36 Plantation, 10 Scattered scrub, 48 Non-native
90	4.23	w2c	36 Plantation 48 Non-native
91	28.79	w2c	36 Plantation, 10 Scattered scrub, 48 Non-native
92	0.46	u1	-
93	0.99	w2c	36 Plantation, 10 Scattered scrub, 48 Non-native
94	0.25	w2	10 Scattered scrub, 48 Non-native
95	1.28	w1h	-

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
96	12.02	w2c	36 Plantation
97	2.61	w1h6	10 Scattered scrub, 48 Non-native
98	7.55	w2c	56 Young trees - planted
99	1.65	w2c	-
100	3.66	w2c	-
101	0.44	w2c	36 Plantation
102	13.22	w2c	53 Felled, 15 Rushes dominant
103	4.40	h1	11 Scattered trees, 16 Tall herb, 14 Scattered rushes,
104	40.07	w2c	36 Plantation, 56 Young trees - planted
105	8.39	w2c	36 Plantation
106	0.19	w2c	36 Plantation
107	1.26	w2c	36 Plantation, 12 Scattered bracken
108	3.65	w2c	36 Plantation
109	1.24	w2c	36 Plantation
110	7.42	w2c	53 Felled
111	0.63	h1b	10 Scattered scrub, 11 Scattered trees, 48 Non-native
112	5.97	h1b	135 Acidic substrate, 10 Scattered scrub, 48 Non-native, 11 Scattered trees
113	0.71	w2c	36 Plantation, 12 Scattered bracken, 10 Scattered scrub, 48 Non-native
114	0.22	u1b5	-
115	0.03	u1b5	-
116	0.02	u1	-
117	0.05	u1	-
118	0.22	u1	-
119	0.11	u1	-
120	0.18	u1	-
121	0.89	u1	-
122	0.27	u1	-
123	0.15	u1	-
124	0.21	u1	-
125	0.07	u1	-
126	0.05	u1b5	-
127	0.05	u1	-
128	0.14	u1	-
129	0.04	u1	-

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
130	0.37	u1	-
131	0.02	u1	-
132	0.06	u1	-
133	0.26	u1	-
134	0.47	f2	15 Rushes dominant
135	0.99	g3	15 Rushes dominant
136	0.19	g3	-
137	0.18	g3	15 Rushes dominant
138	2.83	g3c	15 Rushes dominant, 61 Horse grazed
139	0.27	g1c	-
140	2.34	g4	15 Rushes dominant, 61 Horse grazed
141	4.76	g3c8	15 Rushes dominant, 61 Horse grazed
142	0.17	g4	-
143	0.74	u1	-
144	0.65	g1c	11 Scattered trees, 47 Native, 10 Scattered scrub
145	0.71	w1g7	37 Semi-natural woodland, 47 Native
146	1.54	f2	15 Rushes dominant, 120 Wet
147	0.23	u1e	-
148	0.34	u1	-
149	0.44	u1	-
150	0.05	u1	-
151	0.05	u1	-
152	0.09	g3	-
153	0.64	g3c8	10 Scattered scrub, 15 Rushes dominant, 118 Mesic
154	0.23	g1c	-
155	0.53	h1b5	12 Scattered bracken, 10 Scattered scrub, 11 Scattered trees, 57 Young trees - self-set, 48 Non-native
156	3.09	h1b6	14 Scattered rushes
157	8.21	w2c	57 Young trees - self-set, 36 Plantation
158	2.64	w2c	57 Young trees - self-set, 36 Plantation
159	0.72	w2c	57 Young trees - self-set, 36 Plantation, 15 Rushes dominant, 13 Scattered dwarf shrubs
160	5.76	g3c	15 Rushes dominant, 48 Non-native
161	0.21	w2c	-
162	1.57	u1	-
163	2.92	g4	15 Rushes dominant

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
164	2.70	u1	-
165	0.17	u1	-
166	0.23	g4	16 Tall herb
167	0.48	u1	-
168	0.27	w2c	-
169	2.60	w2c	-
170	1.30	g1c	10 Scattered scrub, 11 Scattered trees
171	1.36	h1b6	11 Scattered trees, 13 Scattered dwarf shrubs, 14 Scattered rushes
172	2.29	u1e	-
173	1.09	g1c	-
174	3.04	g4	60 Sheep grazed
175	1.73	w2c	57 Young trees - self-set, 36 Plantation
176	0.75	h1	12 Scattered bracken
177	0.27	g1c	-
178	0.24	g1	11 Scattered trees
179	0.03	u1	-
180	1.46	g1	11 Scattered trees, 12 Scattered bracken
181	0.04	w2	-
182	3.68	w2c	56 Young trees - planted
183	0.11	g4	
184	0.26	w2c	36 Plantation
185	0.59	w2c	36 Plantation
186	0.43	u1	-
187	0.26	u1	-
188	0.42	w1h5	48 Non-native
189	3.96	g4	60 Sheep grazed
190	1.74	g4	-
191	1.65	u1	-
192	0.66	g4	-
193	1.40	g4	-
194	0.37	w1	-
195	0.98	u1	12 Scattered bracken, 15 Rushes dominant, 11 Scattered trees
196	4.16	g4	-
197	0.25	g1c	-
198	0.03	g4	-

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
199	1.57	g4	-
200	0.07	r2	-
201	5.34	g4	-
202	0.20	g1c	-
203	6.14	g4	14 Scattered rushes, 60 Sheep grazed
204	0.96	g4	-
205	0.79	u1	-
206	2.21	g3	14 Scattered rushes, 11 Scattered trees, 12 Scattered bracken
207	0.51	r1	-
208	1.67	u1e	-
209	0.38	g4	-
210	0.40	u1	-
211	4.01	g3c8	15 Rushes dominant, 60 Sheep grazed, 118 Mesic
212	3.01	w2c	36 Plantation
213	4.12	g4	14 Scattered rushes, 60 Sheep grazed
214	6.39	g4	61 Horse grazed, 15 Rushes dominant
215	6.36	g1d	14 Scattered rushes, 61 Horse grazed
216	1.91	u1	-
217	0.89	g4	-
218	7.83	h3g	57 Young trees - self-set, 48 Non-native, 12 Scattered bracken, 11 Scattered trees
219	0.02	u1	-
220	0.02	u1	-
221	0.15	u1	-
222	1.12	u1	-
223	0.17	w1g6	-
224	0.00	u1	-
225	0.05	g3c	16 Tall herb, 48 Non-native
226	0.41	u1	-
227	3.27	g4	15 Rushes dominant
228	4.32	g4	15 Rushes dominant, 61 Horse grazed
229	1.59	g1c	-
230	0.40	h3g	48 Non-native
231	0.49	h3g	11 Scattered trees, 48 Non-native
232	9.11	g4	58 Grazed

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
233	1.30	g4	58 Grazed
234	1.66	g4	58 Grazed
235	0.20	u1	-
236	0.21	u1	-
237	1.98	g4	58 Grazed
238	0.24	g1c	-
239	18.62	g4	58 Grazed
240	0.71	u1	-
241	2.13	g4	15 Rushes dominant
242	3.58	g4	15 Rushes dominant
243	3.84	g4	-
244	4.28	g4	15 Rushes dominant
245	0.24	u1	-
246	8.24	f2b	15 Rushes dominant
247	7.22	g4	15 Rushes dominant
248	1.56	g4	-
249	0.95	g4	-
250	1.53	g4	-
251	1.46	f2b	-
252	0.83	w1e	37 Semi-natural woodland, 10 Scattered scrub, 48 Non-native, 12 Scattered bracken
253	0.10	g1c	11 Scattered trees
254	0.49	g1c	11 Scattered trees
255	1.71	g1c	10 Scattered scrub, 48 Non-native
256	0.12	g1c	-
257	0.01	g1c	-
258	0.11	g1c	-
259	0.45	h1	-
260	2.41	g1c	11 Scattered trees, 13 Scattered dwarf shrubs
261	0.57	f2b	120 Wet
262	0.84	f2b	-
263	0.30	f2b	118 Mesic, 10 Scattered scrub, 12 Scattered bracken
264	0.81	g1c	11 Scattered trees, 13 Scattered dwarf shrubs
265	0.16	h1b5	-
266	0.24	f2b	-

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
267	2.62	h1b	12 Scattered bracken, 10 Scattered scrub, 48 Non-native
268	2.36	g1c	11 Scattered trees, 13 Scattered dwarf shrubs
269	4.79	f2b	57 Young trees - self-set, 11 Scattered trees, 13 Scattered dwarf shrubs,
270	3.11	h1b5	11 Scattered trees
271	2.19	h1b6	10 Scattered scrub, 11 Scattered trees, 12 Scattered bracken, 48 Non-native
272	2.96	w2c	36 Plantation, 130 Ecotone
273	1.65	u1e	-
274	9.37	w2c	53 Felled, 15 Rushes dominant
275	0.11	g1c	11 Scattered trees
276	1.06	f2c	15 Rushes dominant, 120 Wet
277	13.06	f2	12 Scattered bracken, 11 Scattered trees, 14 Scattered rushes, 129 Flush
278	5.21	g1b6	12 Scattered bracken, 60 Sheep grazed, 156 Rock outcrop
279	6.38	f2c	15 Rushes dominant, 129 Flush, 120 Wet
280	0.52	h1b6	14 Scattered rushes, 156 Rock outcrop
281	0.68	g3c8	15 Rushes dominant, 130 Ecotone
282	0.62	f2c	15 Rushes dominant, 121 Waterlogged
283	4.38	h1b6	14 Scattered rushes, 156 Rock outcrop
284	0.54	f1a	-
285	0.58	g1b6	13 Scattered dwarf shrubs, 156 Rock outcrop
286	0.85	f1a	129 Flush
287	1.31	f1a6	126 Snow patch
288	4.54	g1b6	13 Scattered dwarf shrubs
289	1.07	f2c	14 Scattered rushes, 129 Flush, 120 Wet
290	14.42	h1b6	129 Flush
291	7.51	f1a6	127 Peat, 120 Wet
292	1.78	h1b	-
293	5.98	g1b6	13 Scattered dwarf shrubs, 14 Scattered rushes
294	0.05	f2c	-
295	0.15	f2c	-
296	1.25	f2c	15 Rushes dominant, 128 Spring
297	0.40	f2c	-
298	1.63	f1a	-
299	0.97	g1b6	128 Spring, 129 Flush, 14 Scattered rushes, 11 Scattered trees

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
300	3.48	f2c	15 Rushes dominant, 120 Wet, 11 Scattered trees
301	4.84	f2c	15 Rushes dominant, 120 Wet
302	4.67	h1b	14 Scattered rushes, 11 Scattered trees, 12 Scattered bracken
303	1.20	f2c	15 Rushes dominant, 120 Wet
304	0.56	w1g6	37 Semi-natural woodland, 156 Rock outcrop
305	11.70	h1b	14 Scattered rushes, 11 Scattered trees, 12 Scattered bracken
306	8.14	h1	-
307	1.06	g1b6	13 Scattered dwarf shrubs, 14 Scattered rushes
308	0.35	g1b6	13 Scattered dwarf shrubs, 14 Scattered rushes
309	3.34	f1a	127 Peat, 14 Scattered rushes
310	2.83	f2c	15 Rushes dominant, 120 Wet
311	10.10	h1b5	14 Scattered rushes, 11 Scattered trees, 128 Spring, 156 Rock outcrop
312	4.70	f1a5	10 Scattered scrub, 11 Scattered trees, 48 Non-native
313	4.13	g1b	-
314	0.60	f2c	15 Rushes dominant, 120 Wet, 173 Swamp
315	4.23	g1b6	14 Scattered rushes, 60 Sheep grazed, 156 Rock outcrop
316	0.25	f1a	60 Sheep grazed
317	3.42	f1a5	120 Wet, 127 Peat, 129 Flush
318	9.54	g1b6	60 Sheep grazed, 129 Flush
319	1.00	f1a	127 Peat
320	0.18	f1a	-
321	0.22	f1a	127 Peat, 60 Sheep grazed
322	1.29	g1b6	13 Scattered dwarf shrubs, 60 Sheep grazed, 14 Scattered rushes
323	0.75	f2b	14 Scattered rushes, 60 Sheep grazed, 120 Wet, 129 Flush
324	0.89	f2c	15 Rushes dominant, 120 Wet, 170 Poor fen
325	7.59	f1a6	127 Peat
326	0.39	g1b6	14 Scattered rushes, 60 Sheep grazed, 156 Rock outcrop
327	1.86	h1b	156 Rock outcrop
328	0.49	g3c	14 Scattered rushes, 130 Ecotone
329	0.21	g3c	15 Rushes dominant, 129 Flush
330	1.96	h1b5	12 Scattered bracken
331	1.71	h1b5	11 Scattered trees
332	0.20	f1a	-
333	0.74	f2	15 Rushes dominant

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
334	4.46	h1b	12 Scattered bracken
335	6.07	h1b	48 Non-native, 10 Scattered scrub, 11 Scattered trees, 57 Young trees - self-set, 12 Scattered bracken, 62 Other grazed, 156 Rock outcrop
336	0.32	w1	10 Scattered scrub, 48 Non-native
337	0.10	f2a	62 Other grazed, 14 Scattered rushes, 10 Scattered scrub, 48 Non-native
338	0.16	f2c	15 Rushes dominant, 13 Scattered dwarf shrubs
339	0.09	f2c	15 Rushes dominant, 13 Scattered dwarf shrubs
340	0.28	h1b5	10 Scattered scrub, 11 Scattered trees, 48 Non-native
341	0.15	g3c8	15 Rushes dominant, 121 Waterlogged
342	0.55	f2a	62 Other grazed, 14 Scattered rushes, 10 Scattered scrub, 48 Non-native
343	0.21	h1b5	-
344	3.93	h1b	10 Scattered scrub, 11 Scattered trees, 48 Non-native, 156 Rock outcrop
345	1.59	h1b5	156 Rock outcrop, 11 Scattered trees, 10 Scattered scrub, 48 Non-native
346	0.07	g1c	-
347	3.47	f1a5	11 Scattered trees, 10 Scattered scrub, 48 Non-native, 120 Wet, 62 Other grazed
348	0.13	h1b5	10 Scattered scrub, 11 Scattered trees, 48 Non-native, 156 Rock outcrop
349	0.14	h1b5	10 Scattered scrub, 11 Scattered trees, 48 Non-native, 156 Rock outcrop
350	0.94	g1b6	12 Scattered bracken, 10 Scattered scrub, 48 Non-native, 13 Scattered dwarf shrubs
351	1.52	f1a	11 Scattered trees, 48 Non-native, 14 Scattered rushes, 57 Young trees - self-set
352	0.41	h1b5	11 Scattered trees, 57 Young trees - self-set, 48 Non-native
353	0.12	h1b6	11 Scattered trees, 57 Young trees - self-set, 48 Non-native
354	4.09	h1b5	11 Scattered trees, 48 Non-native, 57 Young trees - self-set, 10 Scattered scrub, 62 Other grazed, 12 Scattered bracken
355	3.73	g1c	11 Scattered trees, 13 Scattered dwarf shrubs, 57 Young trees - self-set, 48 Non-native
356	0.07	f2c	15 Rushes dominant, 170 Poor fen
357	0.08	f2c	15 Rushes dominant
358	2.69	g1c	-
359	4.00	g1c	11 Scattered trees
360	0.15	h1b	-

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
361	0.38	g1c	-
362	0.25	h1b	-
363	2.83	g1b	13 Scattered dwarf shrubs, 14 Scattered rushes
364	1.57	g1b	14 Scattered rushes, 13 Scattered dwarf shrubs
365	4.42	f1a	127 Peat
366	0.37	f2	15 Rushes dominant
367	1.26	f2c	15 Rushes dominant, 60 Sheep grazed, 120 Wet
368	0.46	f2	14 Scattered rushes, 60 Sheep grazed, 120 Wet, 127 Peat
369	1.55	g1b	12 Scattered bracken, 60 Sheep grazed, 14 Scattered rushes
370	0.29	f2	15 Rushes dominant
371	5.10	g1b	14 Scattered rushes, 60 Sheep grazed
372	1.24	g1b6	13 Scattered dwarf shrubs, 14 Scattered rushes, 60 Sheep grazed
373	1.36	g1c	10 Scattered scrub, 48 Non-native
374	1.40	f2c	15 Rushes dominant
375	0.78	f2c	15 Rushes dominant, 120 Wet, 11 Scattered trees
376	18.17	g1b	-
377	2.19	g1b	-
378	4.68	f1	-
379	0.95	g1c	-
380	1.18	h1b	-
381	1.41	f1a	127 Peat, 14 Scattered rushes
382	3.66	g1b6	13 Scattered dwarf shrubs, 14 Scattered rushes
383	5.78	g1b6	13 Scattered dwarf shrubs, 14 Scattered rushes
384	1.17	w1f7	37 Semi-natural woodland
385	0.14	h3g	48 Non-native
386	0.28	g1b6	12 Scattered bracken, 11 Scattered trees, 48 Non-native, 14 Scattered rushes
387	1.87	f2c	15 Rushes dominant, 120 Wet, 170 Poor fen
388	0.24	h1b	11 Scattered trees, 48 Non-native
389	0.30	h1b5	62 Other grazed, 156 Rock outcrop
390	0.07	h1b5	62 Other grazed, 156 Rock outcrop
391	0.20	h1b5	62 Other grazed, 156 Rock outcrop
392	0.26	h1b5	62 Other grazed, 156 Rock outcrop
393	0.04	h1b5	62 Other grazed, 156 Rock outcrop
394	0.44	h1b5	62 Other grazed, 156 Rock outcrop
395	6.66	f2c	15 Rushes dominant, 121 Waterlogged, 170 Poor fen

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
396	2.85	g1b6	14 Scattered rushes, 13 Scattered dwarf shrubs, 11 Scattered trees, 57 Young trees - self-set, 48 Non-native
397	3.13	f1a	14 Scattered rushes, 10 Scattered scrub, 11 Scattered trees, 48 Non-native
398	0.86	g1b6	13 Scattered dwarf shrubs, 12 Scattered bracken, 14 Scattered rushes, 62 Other grazed
399	0.05	h1b	-
400	0.20	f2	15 Rushes dominant, 128 Spring
401	0.32	w1f7	37 Semi-natural woodland, 120 Wet, 10 Scattered scrub
402	0.19	r1	11 Scattered trees, 15 Rushes dominant, 19 Ponds (Priority Habitat), 37 Semi-natural woodland
403	0.42	g3c8	15 Rushes dominant, 118 Mesic
404	0.15	w1f7	14 Scattered rushes, 37 Semi-natural woodland, 47 Native, 19 Ponds (Priority Habitat)
405	0.37	g4	14 Scattered rushes
406	0.16	f2a	15 Rushes dominant, 121 Waterlogged
407	0.38	h1b	10 Scattered scrub, 11 Scattered trees, 12 Scattered bracken, 14 Scattered rushes
408	0.13	f2c	15 Rushes dominant, 10 Scattered scrub
409	0.05	f2c	15 Rushes dominant, 10 Scattered scrub
410	0.28	g4	11 Scattered trees
411	0.57	g4	-
412	0.50	f2a	15 Rushes dominant, 120 Wet, 12 Scattered bracken
413	0.68	w1h5	-
414	1.21	w1	-
415	0.69	h1b6	14 Scattered rushes, 13 Scattered dwarf shrubs
416	2.26	h1b6	14 Scattered rushes, 13 Scattered dwarf shrubs, 12 Scattered bracken
417	4.45	w2c	53 Felled
418	3.39	h1b6	11 Scattered trees, 12 Scattered bracken
419	3.65	f1	11 Scattered trees
420	18.89	w2c	53 Felled, 10 Scattered scrub
421	0.60	w2c	36 Plantation
422	0.15	g1c	-
423	0.26	h1b6	14 Scattered rushes
424	0.47	h1b6	14 Scattered rushes
425	0.69	h1b6	14 Scattered rushes
426	0.73	h1b6	14 Scattered rushes, 57 Young trees - self-set
427	2.92	w1e	-
428	0.20	h1b	53 Felled
429	0.07	g1c	-
430	0.59	h3h	12 Scattered bracken
431	0.68	g1d	15 Rushes dominant, 53 Felled, 11 Scattered trees, 12 Scattered bracken
432	0.32	g1c	-

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
433	0.51	g1c	-
434	0.95	w2c	57 Young trees - self-set, 36 Plantation
435	2.09	g1	-
436	5.69	w2c	10 Scattered scrub, 48 Non-native, 36 Plantation
437	1.05	w2c	53 Felled, 15 Rushes dominant
438	0.43	w1h5	48 Non-native
439	0.68	w1	12 Scattered bracken
440	1.98	w1h5	-
441	0.35	w1h5	-
442	1.75	w1h5	10 Scattered scrub
443	0.60	h1b6	12 Scattered bracken, 11 Scattered trees, 10 Scattered scrub, 48 Non-native
444	2.90	w2c	-
445	0.34	f1a5	10 Scattered scrub, 11 Scattered trees, 48 Non-native
446	2.60	h1b6	12 Scattered bracken, 11 Scattered trees, 10 Scattered scrub, 48 Non-native
447	0.42	h1b6	12 Scattered bracken, 11 Scattered trees, 10 Scattered scrub, 48 Non-native
448	1.71	g1c	13 Scattered dwarf shrubs
449	0.22	w2c	36 Plantation
450	0.41	h1b	-
451	0.33	g1c	-
452	0.41	g1c	-
453	1.08	g1c	-
454	1.28	g1b6	12 Scattered bracken
455	1.88	g1b6	12 Scattered bracken
456	1.82	h1b	56 Young trees - planted, 12 Scattered bracken, 128 Spring, 129 Flush.
457	0.63	h1b	14 Scattered rushes
458	5.67	g1b6	11 Scattered trees, 13 Scattered dwarf shrubs, 14 Scattered rushes,
459	1.03	h1b5	156 Rock outcrop
460	2.04	h1b	128 Spring
461	0.32	h1b	11 Scattered trees
462	11.09	g1b6	11 Scattered trees, 13 Scattered dwarf shrubs, 14 Scattered rushes
463	1.17	g1b6	13 Scattered dwarf shrubs, 12 Scattered bracken
464	0.30	f2	15 Rushes dominant
465	0.11	f2b	-
466	0.43	f2b	12 Scattered bracken, 13 Scattered dwarf shrubs, 15 Rushes dominant
467	0.07	f1a	10 Scattered scrub, 48 Non-native, 12 Scattered bracken
468	5.90	w2	53 Felled
469	2.28	r2	-
470	0.14	u1b5	-
471	3.75	u1e	-
472	2.23	w2	-

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
473	0.13	r2	-
474	0.24	f1a6	127 Peat, 14 Scattered rushes
475	13.85	w2c	36 Plantation, 48 Non-native, 10 Scattered scrub
476	7.35	w2c	-
477	12.27	w2c	36 Plantation
478	2.14	g4	-
479	0.13	w1	-
480	0.37	u1	-
481	0.23	u1	-
482	0.22	f2a	15 Rushes dominant
483	7.85	w2c	53 Felled, 15 Rushes dominant
484	0.60	w2c	53 Felled
485	2.41	w1e	10 Scattered scrub, 12 Scattered bracken, 13 Scattered dwarf shrubs, 48 Non-native
486	3.98	g4	-
487	0.02	u1b5	-
488	4.43	u1e	-
489	5.86	w2c	36 Plantation
490	4.09	w2c	36 Plantation
491	2.10	u1e	-
492	0.80	u1e	-
493	0.64	u1e	-
494	0.97	h1b	12 Scattered bracken, 11 Scattered trees
495	0.33	r2	-
496	1.28	u1e	-
497	0.70	u1e	-
498	2.15	u1e	-
499	0.98	u1e	-
500	0.29	u1e	-
501	0.23	u1e	-
502	1.30	u1e	-
503	2.32	u1e	-
504	1.00	u1e	-
505	6.49	u1e	-
506	2.16	u1e	-
507	1.60	u1e	-
508	2.04	u1e	-
509	0.67	u1e	-
510	0.22	g3c	15 Rushes dominant
511	0.89	w2c	56 Young trees - planted, 48 Non-native
512	0.27	u1e	-
513	2.13	w2c	56 Young trees - planted, 48 Non-native
514	0.37	w2c	11 Scattered trees, 12 Scattered bracken, 14 Scattered rushes
515	2.95	w2c	53 Felled 57 Young trees - self-set, 14 Scattered rushes
516	0.52	w2c	56 Young trees - planted, 48 Non-native

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
517	0.40	w1g7	12 Scattered bracken, 411 Natural watercourse
518	3.09	w2c	-
519	0.14	g1d	14 Scattered rushes, 10 Scattered scrub, 11 Scattered trees, 12 Scattered bracken, 411 Natural watercourse
520	3.45	w2c	56 Young trees - planted
521	0.09	u1e	-
522	0.46	w2c	48 Non-native
523	0.38	w1h6	12 Scattered bracken, 13 Scattered dwarf shrubs, 156 Rock outcrop, 36 Plantation, 411 Natural watercourse
524	0.86	w1	-
525	14.79	h1b6	-
526	0.11	h3e	-
527	0.36	w1g7	-
528	0.10	g1b	12 Scattered bracken, 14 Scattered rushes, 60 Sheep grazed
529	0.96	h1a5	11 Scattered trees, 10 Scattered scrub, 12 Scattered bracken
530	0.78	w1g7	36 Plantation
531	0.44	h3e	60 Sheep grazed, 14 Scattered rushes, 15 Rushes dominant, 11 Scattered trees
532	1.37	g4	10 Scattered scrub, 11 Scattered trees, 60 Sheep grazed, 14 Scattered rushes
533	0.58	w1g7	10 Scattered scrub, 15 Rushes dominant, 60 Sheep grazed
534	0.41	u1e	-
559	0.08	w1h6	-
560	0.66	w2c	36 Plantation, 48 Non-native
561	0.30	w2c	53 Felled, 48 Non-native, 156 Rock outcrop
562	3.06	w2c	36 Plantation, 48 Non-native
563	2.30	w2c	48 Non-native, 12 Scattered bracken, 53 Felled
564	0.58	w2c	36 Plantation, 48 Non-native
565	0.48	w2c	-
566	0.48	w2c	48 Non-native; 57 Young trees - self-set, 12 Scattered bracken, 130 Ecotone
567	1.88	w2c	-
568	5.08	w2c	-
569	10.27	w2c	11 Scattered trees, 12 Scattered bracken, 48 Non-native
570	1.90	w2c	48 Non-native, 10 Scattered scrub, 12 Scattered bracken
571	2.29	w2c	36 Plantation, 48 Non-native
572	2.04	w2c	36 Plantation, 48 Non-native, 57 Young trees - self-set, 47 Native
573	1.16	w2c	-
574	5.09	w2c	36 Plantation, 48 Non-native
575	3.27	w2c	57 Young trees – self-set, 47 Native, 36 Plantation, 48 Non-native

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
576	0.23	w2c	36 Plantation, 48 Non-native
577	1.84	w2c	36 Plantation, 48 Non-native
578	0.61	w2c	36 Plantation, 48 Non-native
579	10.46	w2c	36 Plantation, 48 Non-native
580	6.79	w2c	36 Plantation, 48 Non-native
581	0.18	w2c	-
582	5.87	w2c	36 Plantation, 48 Non-native
583	0.93	w2c	36 Plantation, 48 Non-native
584	0.81	w2c	36 Plantation, 48 Non-native
585	1.28	w2c	36 Plantation, 48 Non-native
586	6.56	w2c	36 Plantation, 48 Non-native
587	6.33	w2c	36 Plantation, 48 Non-native
588	0.47	w2c	36 Plantation, 48 Non-native
589	0.17	w2c	36 Plantation, 48 Non-native
590	9.37	w2c	36 Plantation, 48 Non-native
591	3.63	w2c	36 Plantation, 48 Non-native
592	2.26	w2c	36 Plantation, 48 Non-native
593	2.23	w2c	36 Plantation, 48 Non-native
594	2.70	w2c	36 Plantation, 48 Non-native
595	5.96	w2c	36 Plantation, 48 Non-native, 12 Scattered bracken
596	3.85	w2c	48 Non-native; 12 Scattered bracken
597	9.66	w2c	156 Rocky outcrop, 48 Non-native
598	8.71	w2c	11 Scattered trees, 12 Scattered bracken; 48 Non-native, 57 Young trees – self-set
599	1.20	w2c	36 Plantation, 48 Non-native
559	0.08	w1h6	-
560	0.66	w2c	36 Plantation, 48 Non-native
561	0.30	w2c	53 Felled, 48 Non-native, 156 Rocky outcrop
562	3.06	w2c	36 Plantation, 48 Non-native
563	2.30	w2c	48 Non-native; 12 Scattered bracken; 53 Felled
564	0.58	w2c	36 Plantation, 48 Non-native
565	0.48	w2c	-
566	0.48	w2c	48 Non-native, 57 Young trees - self-set, 12 Scattered bracken, 130 Ecotone
567	1.88	w2c	-
568	5.08	w2c	-

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
569	10.27	w2c	11 Scattered trees, 12 Scattered bracken; 48 Non-native
570	1.90	w2c	48 Non-native;10 Scattered scrub, 12 Scattered bracken
571	2.29	w2c	36 Plantation, 48 Non-native
572	2.04	w2c	36 Plantation, 48 Non-native, 57 Young trees - self-set, 47 Native
573	1.16	w2c	-
574	5.09	w2c	36 Plantation, 48 Non-native
575	3.27	w2c	57 Young trees - self-set, 47 Native, 36 Plantation, 48 Non-native
576	0.23	w2c	36 Plantation, 48 Non-native
577	1.84	w2c	36 Plantation, 48 Non-native
578	0.61	w2c	36 Plantation, 48 Non-native
579	10.46	w2c	36 Plantation, 48 Non-native
580	6.79	w2c	36 Plantation, 48 Non-native
581	0.18	w2c	-
582	5.87	w2c	36 Plantation, 48 Non-native
583	0.93	w2c	36 Plantation, 48 Non-native
584	0.81	w2c	36 Plantation, 48 Non-native
585	1.28	w2c	36 Plantation, 48 Non-native
586	6.56	w2c	36 Plantation, 48 Non-native
587	6.33	w2c	36 Plantation, 48 Non-native
588	0.47	w2c	36 Plantation, 48 Non-native
589	0.17	w2c	36 Plantation, 48 Non-native
590	9.37	w2c	36 Plantation, 48 Non-native
591	3.63	w2c	36 Plantation, 48 Non-native
592	2.26	w2c	36 Plantation, 48 Non-native
593	2.23	w2c	36 Plantation, 48 Non-native
594	2.70	w2c	36 Plantation, 48 Non-native
595	5.96	w2c	36 Plantation, 48 Non-native, 12 Scattered bracken
596	3.85	w2c	48 Non-native, 12 Scattered bracken
597	9.66	w2c	156 Rocky outcrop, 48 Non-native
598	8.71	w2c	11 Scattered trees, 12 Scattered bracken, 48 Non-native, 57 Young trees - self-set
599	1.20	w2c	36 Plantation, 48 Non-native
559	0.08	w1h6	-
560	0.66	w2c	36 Plantation, 48 Non-native
561	0.30	w2c	53 Felled, 48 Non-native, 156 Rock outcrop

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
562	3.06	w2c	36 Plantation, 48 Non-native
563	2.30	w2c	48 Non-native, 12 Scattered bracken, 53 Felled
564	0.58	w2c	36 Plantation, 48 Non-native
565	0.48	w2c	-
566	0.48	w2c	48 Non-native; 57 Young trees - self-set, 12 Scattered bracken, 130 Ecotone
567	1.88	w2c	-
568	5.08	w2c	-
569	10.27	w2c	11 Scattered trees, 12 Scattered bracken, 48 Non-native
570	1.90	w2c	48 Non-native, 10 Scattered scrub, 12 Scattered bracken
571	2.29	w2c	36 Plantation, 48 Non-native
572	2.04	w2c	36 Plantation, 48 Non-native, 57 Young trees - self-set, 47 Native
573	1.16	w2c	-
574	5.09	w2c	36 Plantation, 48 Non-native
575	3.27	w2c	57 Young trees - self-set, 47 Native, 36 Plantation, 48 Non-native
576	0.23	w2c	36 Plantation, 48 Non-native
577	1.84	w2c	36 Plantation, 48 Non-native
578	0.61	w2c	36 Plantation, 48 Non-native
579	10.46	w2c	36 Plantation, 48 Non-native
580	6.79	w2c	36 Plantation, 48 Non-native
581	0.18	w2c	-
582	5.87	w2c	36 Plantation, 48 Non-native
583	0.93	w2c	36 Plantation, 48 Non-native
584	0.81	w2c	36 Plantation, 48 Non-native
585	1.28	w2c	36 Plantation, 48 Non-native
586	6.56	w2c	36 Plantation, 48 Non-native
587	6.33	w2c	36 Plantation, 48 Non-native
588	0.47	w2c	36 Plantation, 48 Non-native
589	0.17	w2c	36 Plantation, 48 Non-native
590	9.37	w2c	36 Plantation, 48 Non-native
591	3.63	w2c	36 Plantation, 48 Non-native
592	2.26	w2c	36 Plantation, 48 Non-native
593	2.23	w2c	36 Plantation, 48 Non-native
594	2.70	w2c	36 Plantation, 48 Non-native
595	5.96	w2c	36 Plantation, 48 Non-native, 12 Scattered bracken

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
596	3.85	w2c	48 Non-native, 12 Scattered bracken
597	9.66	w2c	156 Rock outcrop, 48 Non-native
598	8.71	w2c	11 Scattered trees, 12 Scattered bracken, 48 Non-native, 57 Young trees - self-set
599	1.20	w2c	36 Plantation, 48 Non-native
559	0.08	w1h6	-
560	0.66	w2c	36 Plantation, 48 Non-native
561	0.30	w2c	53 Felled, 48 Non-native, 156 Rock outcrop
562	3.06	w2c	36 Plantation, 48 Non-native
563	2.30	w2c	48 Non-native; 12 Scattered bracken, 53 Felled
564	0.58	w2c	36 Plantation, 48 Non-native
565	0.48	w2c	-
566	0.48	w2c	48 Non-native; 57 Young trees - self-set, 12 Scattered bracken,130 Ecotone
567	1.88	w2c	-
568	5.08	w2c	-
569	10.27	w2c	11 Scattered trees, 12 Scattered bracken, 48 Non-native
570	1.90	w2c	48 Non-native, 10 Scattered scrub, 12 Scattered bracken
571	0.17	w2c	36 Plantation, 48 Non-native
572	9.37	w2c	36 Plantation, 48 Non-native
573	2.43	g1c	11 Scattered trees, 14 Scattered rushes, 57 Young trees - self-set
574	3.70	h1b	57 Young trees - self-set, 48 Non-native, 10 Scattered scrub, 11 Scattered trees, 12 Scattered bracken
575	3.63	w2c	36 Plantation, 48 Non-native
576	1.70	h1b	36 Plantation, 48 Non-native
577	7.50	h1b	11 Scattered trees, 48 Non-native, 57 Young trees - self-set
578	5.08	g1b	11 Scattered trees, 14 Scattered rushes
579	2.26	w2c	36 Plantation, 48 Non-native
580	2.00	h1b	-
581	2.23	w2c	36 Plantation, 48 Non-native
582	2.70	w2c	36 Plantation, 48 Non-native
583	5.96	w2c	36 Plantation, 48 Non-native, 12 Scattered bracken
584	3.85	w2c	48 Non-native, 12 Scattered bracken
585	0.98	w1g	47 Native
586	2.18	h1b	135 Acidic substrate, 48 Non-native, 10 Scattered scrub, 11 Scattered trees
587	0.60	h1b	-

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
588	9.66	w2c	156 Rock outcrop, 48 Non-native
589	8.71	w2c	11 Scattered trees, 12 Scattered bracken; 48 Non-native, 57 Young trees - self-set
590	0.06	w2c	36 Plantation
591	0.12	u1e	-
592	0.34	w2c	36 Plantation
593	2.29	w1	-
594	0.68	w2c	36 Plantation
595	0.01	h1b	-
596	0.04	w2c	36 Plantation
597	3.52	w2c	-
598	3.86	u1e	-
599	5.29	w2c	-
600	3.62	w2c	-
601	0.02	w2c	-
602	1.81	w2c	-
603	16.57	w2c	156 Rock outcrop, 53 Felled, 10 Scattered scrub, 11 Scattered trees, 12 Scattered bracken, 13 Scattered dwarf shrubs, 14 Scattered rushes, 47 Native, 57 Young trees - self-set
604	0.08	w2c	58 Grazed, 10 Scattered scrub, 14 Scattered rushes
605	4.30	g4	-
606	0.34	u1e	-
607	2.95	w1f	37 Semi-natural woodland, 12 Scattered bracken
608	2.13	w1f	37 Semi-natural woodland, 12 Scattered bracken
609	0.18	w1f	37 Semi-natural woodland, 12 Scattered bracken
610	0.35	w2c	36 Plantation, 12 Scattered bracken
611	0.18	u1e	-
612	0.18	g4	58 Grazed
613	0.21	u1e	-
614	0.38	w1f	37 Semi-natural woodland, 12 Scattered bracken, 10 Scattered scrub
615	0.03	u1	-
616	0.13	u1	-
617	0.09	w1f	37 Semi-natural woodland, 12 Scattered bracken, 10 Scattered scrub
618	0.67	g4	-
619	0.12	r2	-

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
620	0.35	g4	-
621	0.14	w1g	-
622	0.08	w2c	36 Plantation
623	0.26	w2c	36 Plantation
624	7.45	w2c	36 Plantation
625	6.57	w2c	36 Plantation
626	1.49	u1e	-
627	0.10	h1b	13 Scattered dwarf shrubs, 57 Young trees - self-set, 189 Scattered grass
628	0.19	g1b	14 Scattered rushes, 60 Sheep grazed
629	2.89	f1a	127 Peat
630	0.99	w2c	36 Plantation
631	10.33	g1b	14 Scattered rushes, 13 Scattered dwarf shrubs
632	0.19	u1e	-
633	3.43	w2c	36 Plantation, 10 Scattered scrub, 48 Non-native
634	0.13	w2c	36 Plantation
635	2.50	w2c	36 Plantation
636	0.50	u1e	-
637	0.16	u1e	-
638	0.26	u1	-
639	0.31	w2c	36 Plantation, 10 Scattered scrub, 48 Non-native
640	4.30	w2c	36 Plantation, 10 Scattered scrub, 48 Non-native
641	0.17	w2c	36 Plantation, 10 Scattered scrub, 48 Non-native
642	0.64	u1	-
643	0.12	w1f	10 Scattered scrub, 47 Native, 37 Semi-natural woodland
644	0.89	r2	-
645	1.35	w1f	10 Scattered scrub, 47 Native, 37 Semi-natural woodland
646	3.83	g4	11 Scattered trees
647	0.79	g3	14 Scattered rushes, 11 Scattered trees, 12 Scattered bracken
648	0.09	u1e	-
649	0.40	g4	-
650	2.06	w1f	10 Scattered scrub, 47 Native, 37 Semi-natural woodland
651	0.10	u1e	-
652	0.18	u1	-
653	0.14	u1	-

Target Note Number	Area (Ha)	Primary Habitat	Secondary Codes
654	0.29	g4	-
655	0.12	u1	-
656	9.79	w2c	36 Plantation
657	0.14	u1	-
658	0.56	g3	-
659	1.40	w1f	47 Native, 37 Semi-natural woodland, 41 Freshwater - natural
660	1.42	g3	-
661	0.81	u1	-
662	0.91	g4	-
663	0.12	u1	-
664	0.06	u1	-
665	1.06	g3c	15 Rushes dominant
666	0.23	u1e	-
667	0.12	u1e	-
668	1.02	w1g	12 Scattered bracken, 411 Natural watercourse
669	0.35	w2c	48 Non-native, 56 Young trees - planted
670	0.03	u1e	-
671	0.14	w2c	36 Plantation, 53 Felled
672	3.51	w2c	36 Plantation
673	9.05	w2c	48 Non-native, 56 Young trees - planted
674	0.21	w2c	36 Plantation
675	0.36	w2c	36 Plantation
676	0.17	w2c	36 Plantation, 48 Non-native
677	4.31	g1b6	11 Scattered trees, 13 Scattered dwarf shrubs, 14 Scattered rushes, 12 Scattered bracken, 156 Rock outcrop, 60 Sheep grazed
678	3.52	w1e	12 Scattered bracken, 13 Scattered dwarf shrubs, 48 Non-native, 37 Semi-natural woodland

Table B-2: UKHab Linear Habitat Secondary Code Target Notes

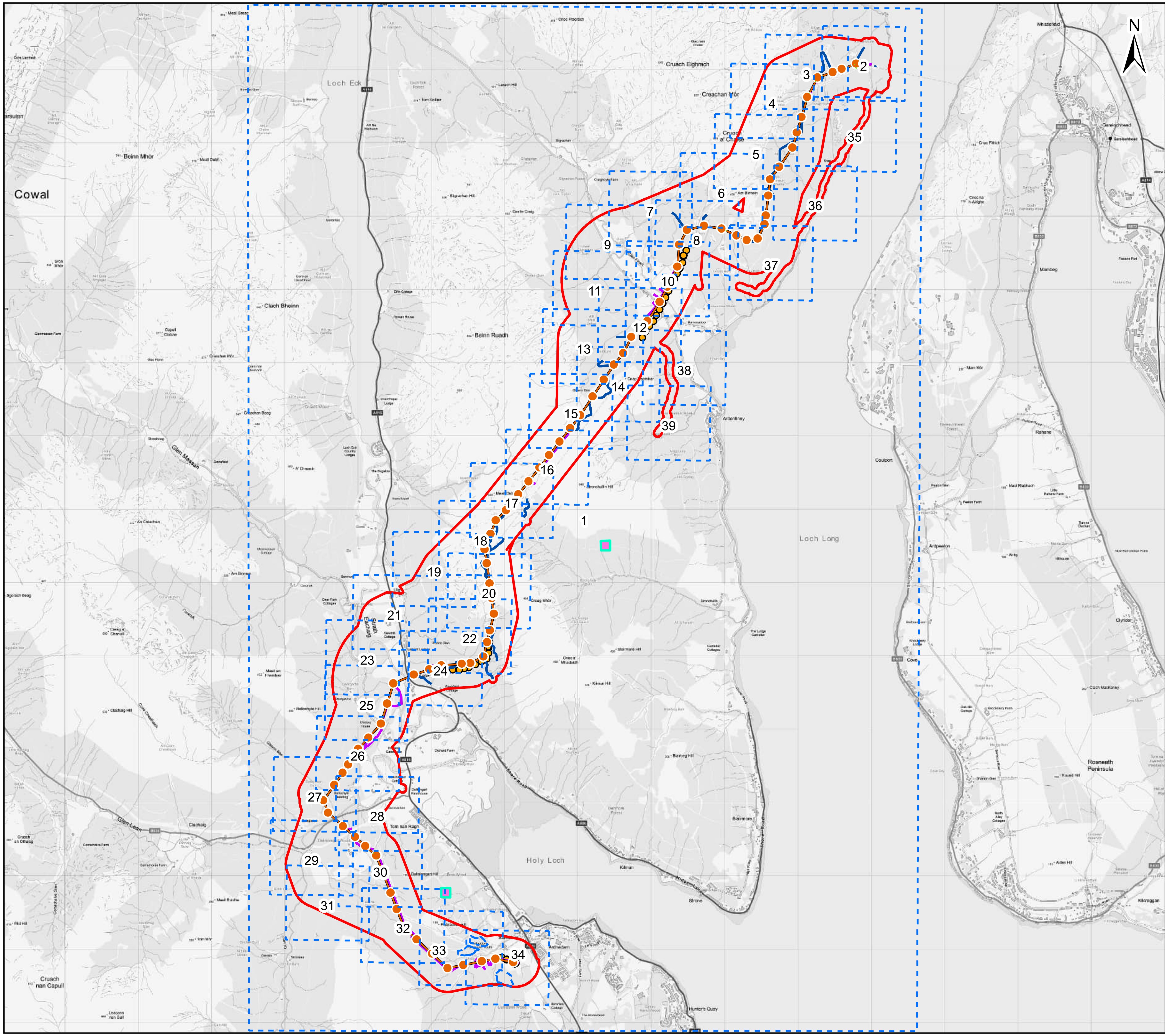
Target Note Number	Length (m)	Primary Habitat	Secondary Codes
TN001	607.59	u1e	69 Fence
TN002	359.10	w1g6	37 Semi-natural woodland, 48 Non-native, 16 Tall herb, 15 Rushes dominant
TN003	193.03	w1g6	37 Semi-natural woodland, 48 Non-native, 16 Tall herb, 15 Rushes dominant

Target Note Number	Length (m)	Primary Habitat	Secondary Codes
TN004	662.84	w1g6	37 Semi-natural woodland, 48 Non-native, 16 Tall herb, 15 Rushes dominant
TN005	499.25	w1g6	37 Semi-natural woodland
TN006	510.40	r2b	48 Non-native; 57 Young trees - self-set

Table B-3: UKHab point habitat Secondary Code Target Notes

Target Note Number	Primary Habitat	Secondary Codes
TN001	f1a5	10 Scattered scrub, 11 Scattered trees, 48 Non-native
TN002	g1c	11 Scattered trees
TN003	f2b	128 Spring
TN004	f2b	15 Rushes dominant
TN005	f2c	15 Rushes dominant
TN006	r1	15 Rushes dominant
TN007	h1b	-
TN008	r1	-

Annex C Habitats Data Figures



Key

- Map Pages
- UKHab Survey Area
- Proposed Conductor Pulling Area (EPZ)
- Proposed Tower Position
- Proposed OHL Alignment
- Proposed Retained Access Track
- Proposed Access – Temporary
- Temporary Diversion Structure
- Temporary Diversion
- Borrow Pit Search Area

0 1 2 Kilometers

Client: Scottish & Southern Electricity Networks TRANSMISSION

Project: Dunoon to Loch Long 132 kV OHL Rebuild

Title: Figure 7.2.1 UKHab Habitat Results Page 1 of 39

Date:	27 January 2023			Scale:	50,000 @ A3
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Key

- UKHab Survey Area
- Proposed OHL Alignment
- Proposed Tower Position
- Proposed Retained Access
- Proposed Access–Temporary
- Proposed Conductor Pulling Area (EPZ)
- f1a5 - blanket bog (H7130)
- f2c - upland flushes, fens and swamps
- g1c - bracken
- r1- standing open water and canals
- g3c - other neutral grassland
- r2b - other rivers and streams
- f1a - blanket bog
- g1c - bracken
- h1b - upland heathland
- h1b6 - wet heathland with cross-leaved heath, upland (H4010)
- u1e - built linear features
- w1 - broadleaved, mixed and yew woodland
- w1h - other woodland, mixed
- w2c - other coniferous woodland

Lables

T# = Tower Number
= Area Feature Target Note Number
TN### = Linear Feature Target Note Number
TN### = Point Feature Target Note Number

0 50 100 Meters

Client: Scottish & Southern Electricity Networks TRANSMISSION

Project: Dunoon to Loch Long 132 kV OHL Rebuild

Title: Figure 7.2.1 UKHab Habitat Results Page 2 of 39

Date: 30 January 2023 Scale: 3,500 @ A3

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Date Saved: 30/01/2023

Croman

305

320

N

Key

- UKHab Survey Area
- Proposed OHL Alignment
- Proposed Tower Position
- Proposed Retained Access
- Proposed Access–Temporary
- Proposed Conductor Pulling Area (EPZ)
- f1a5 - blanket bog (H7130)
- f2b - purple moor grass and rush pasture
- g1c - bracken
- r2b - other rivers and streams
- f1a - blanket bog
- f2 - fen,marsh and swamp
- g1b - upland acid grassland
- g1c - bracken
- h1 - dwarf shrub heath
- h1b - upland heathland
- h1b5 - dry heaths, upland (H4030)
- h1b6 - wet heathland with cross-leaved heath, upland (H4010)
- u1e - built linear features
- w1 - broadleaved, mixed and yew woodland
- w1e - upland birchwoods
- w1g - other woodland, broadleaved
- w1h - other woodland, mixed
- w2c - other coniferous woodland

Lables

T# = Tower Number
= Area Feature Target Note Number
TN### = Linear Feature Target Note Number
TN### = Point Feature Target Note Number

0 50 100 Meters

Client: Scottish & Southern Electricity Networks TRANSMISSION

Project: Dunoon to Loch Long 132 kV OHL Rebuild

Title: Figure 7.2.1 UKHab Habitat Results Page 3 of 39

Date: 30 January 2023 Scale: 3,500 @ A3
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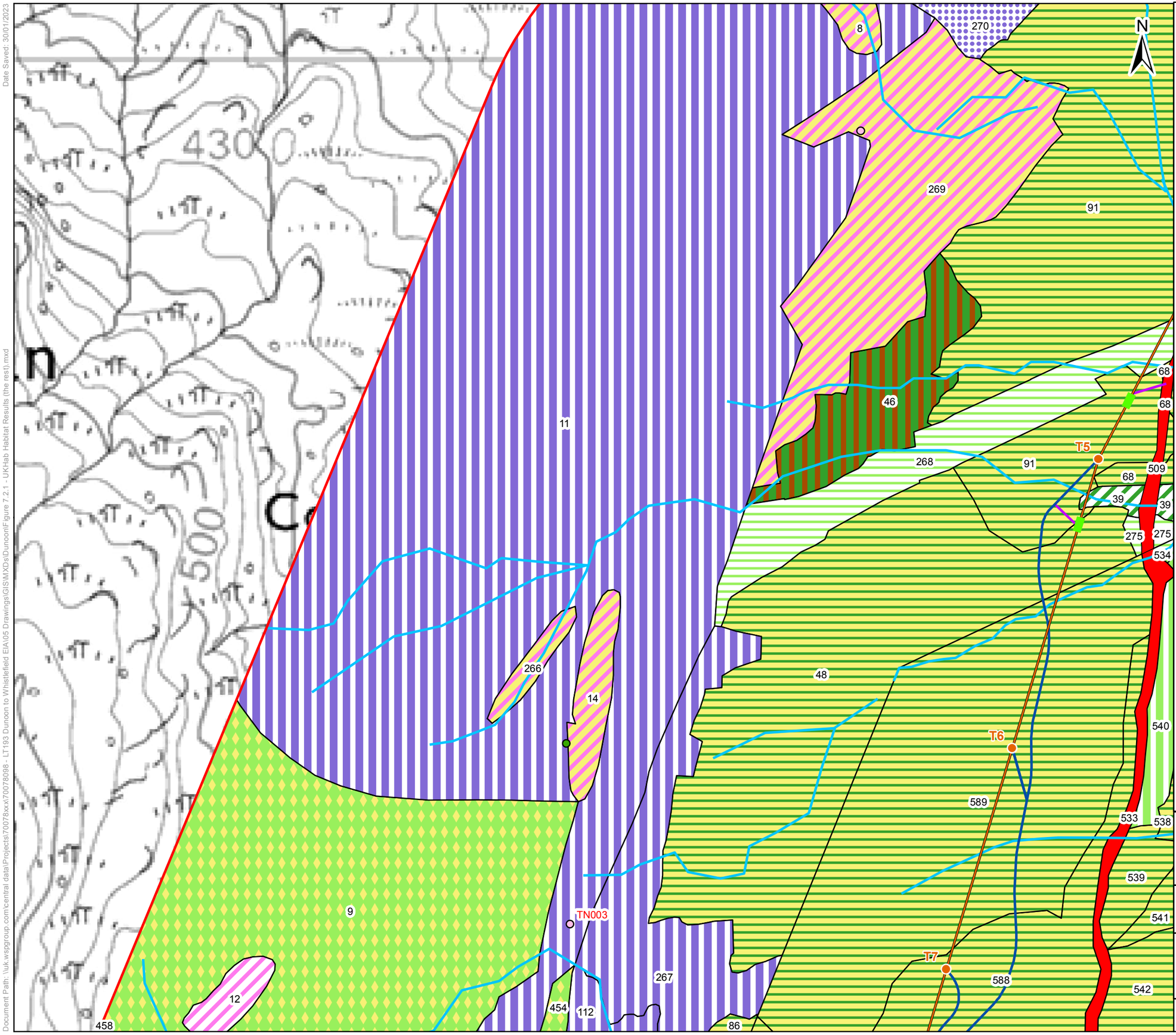

Key

- UKHab Survey Area
- Proposed OHL Alignment
- Proposed Tower Position
- Proposed Retained Access
- Proposed Access–Temporary
- Proposed Conductor Pulling Area (EPZ)
- f2b - purple moor grass and rush pasture
- w2c - other coniferous woodland
- r2b - other rivers and streams
- f1 - bog
- f2 - fen,marsh and swamp
- g1b - upland acid grassland
- g1b6 - other upland acid grassland
- g1c - bracken
- h1b - upland heathland
- h1b5 - dry heaths, upland (H4030)
- u1e - built linear features
- w1 - broadleaved, mixed and yew woodland
- w1e - upland birchwoods
- w2c - other coniferous woodland

Lables

T# = Tower Number
= Area Feature Target Note Number
TN### = Linear Feature Target Note Number
TN### = Point Feature Target Note Number

0 50 100 Meters

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Dunoon to Loch Long
132 kV OHL Rebuild

Title
Figure 7.2.1
UKHab Habitat Results
Page 4 of 39

Date: 30 January 2023 Scale: 3,500 @ A3
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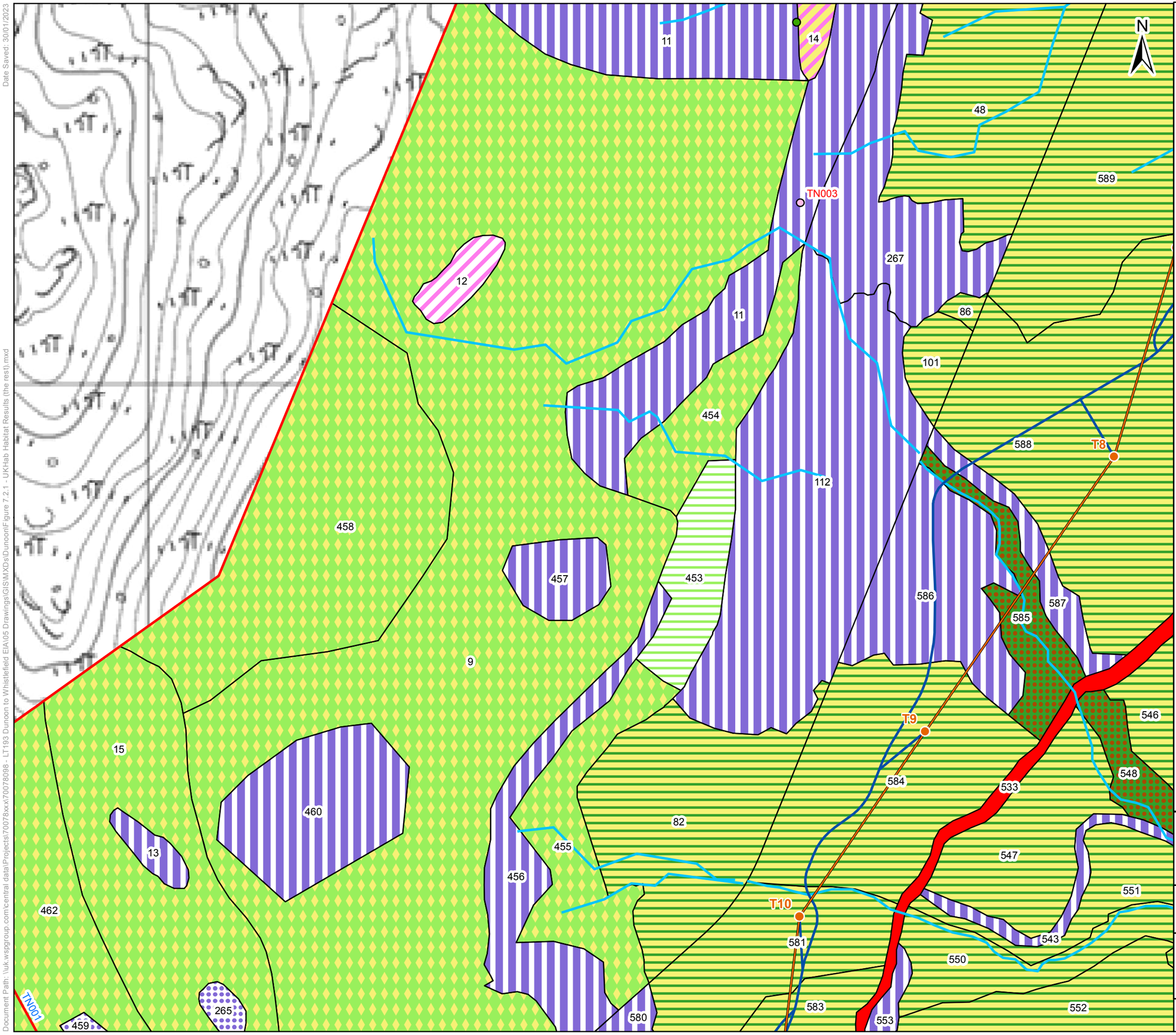

Key

- UKHab Survey Area
- Proposed OHL Alignment
- Proposed Tower Position
- Proposed Retained Access
- f2b - purple moor grass and rush pasture
- w2c - other coniferous woodland
- r2b - other rivers and streams
- u1e - built linear features
- f1 - bog
- f2 - fen,marsh and swamp
- g1b6 - other upland acid grassland
- g1c - bracken
- h1b - upland heathland
- h1b5 - dry heaths, upland (H4030)
- u1e - built linear features
- w1g - other woodland, broadleaved
- w2c - other coniferous woodland

Lables

T# = Tower Number
= Area Feature Target Note Number
TN### = Linear Feature Target Note Number
TN### = Point Feature Target Note Number

0 50 100 Meters

Client: Scottish & Southern Electricity Networks TRANSMISSION

Project: Dunoon to Loch Long 132 kV OHL Rebuild

Title: Figure 7.2.1 UKHab Habitat Results Page 5 of 39

Date: 30 January 2023 Scale: 3,500 @ A3

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Key

- UKHab Survey Area
- Proposed OHL Alignment
- Proposed Tower Position
- Proposed Retained Access
- g3c - other neutral grassland
- r2b - other rivers and streams
- u1e - built linear features
- f1a - blanket bog
- f2 - fen,marsh and swamp
- g1b - upland acid grassland
- g1b6 - other upland acid grassland
- g1c - bracken
- h1b - upland heathland
- h1b5 - dry heaths, upland (H4030)
- u1e - built linear features
- w1f - lowland mixed deciduous woodland
- w2c - other coniferous woodland

Lables

T# = Tower Number
= Area Feature Target Note Number
TN### = Linear Feature Target Note Number
TN### = Point Feature Target Note Number

0 50 100
Meters

Client: Scottish & Southern Electricity Networks TRANSMISSION

Project:
Dunoon to Loch Long
132 kV OHL Rebuild

Title
Figure 7.2.1
UKHab Habitat Results
Page 6 of 39

Date: 30 January 2023 Scale: 3,500 @ A3
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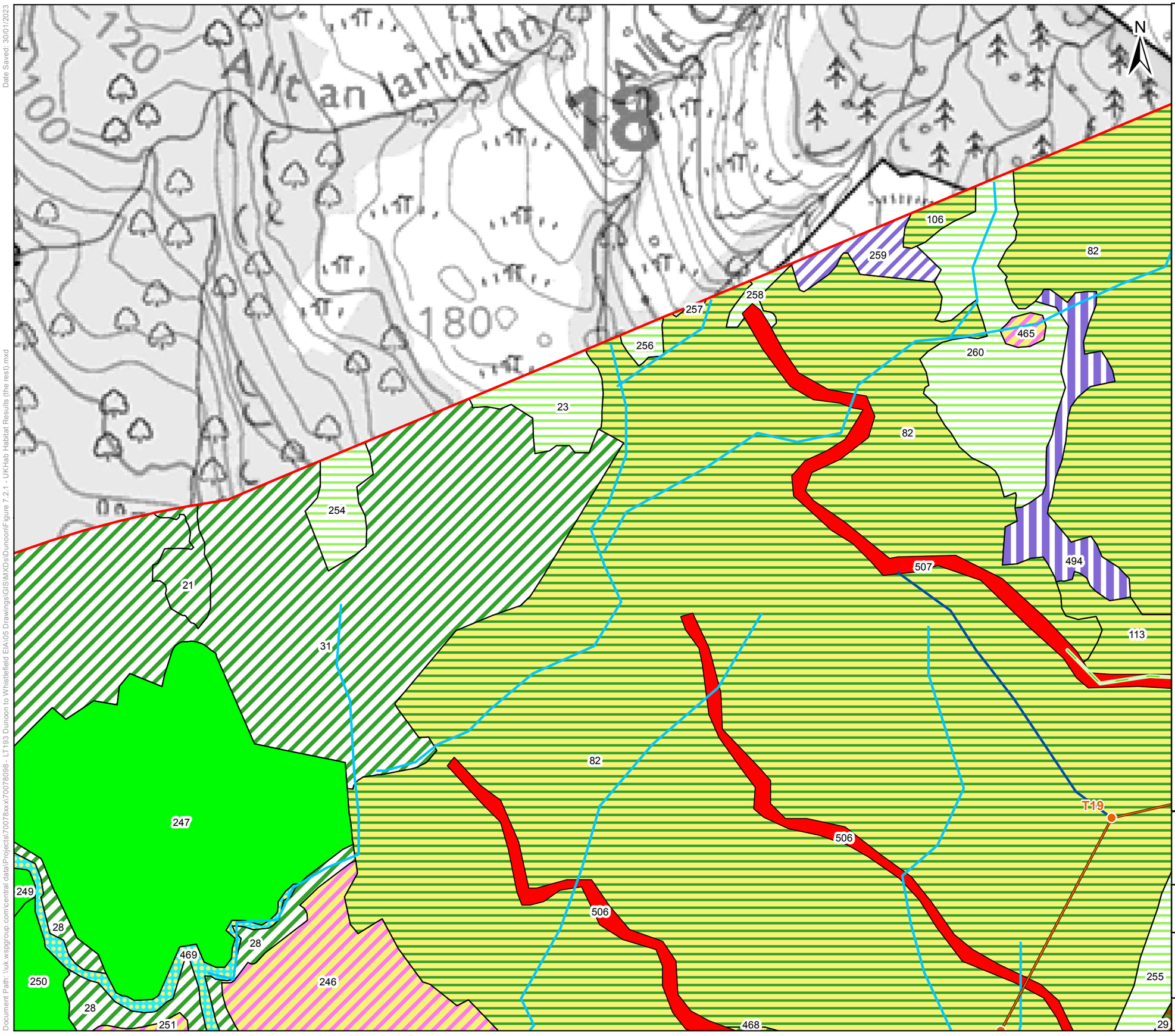

Key

- UKHab Survey Area
- Proposed OHL Alignment
- Proposed Tower Position
- Proposed Retained Access
- g3c - other neutral grassland
- r2b - other rivers and streams
- f2 - fen,marsh and swamp
- g1c - bracken
- g4 - modified grassland
- h1 - dwarf shrub heath
- h1b - upland heathland
- r2 - rivers and lakes
- u1e - built linear features
- w1 - broadleaved, mixed and yew woodland
- w1f - lowland mixed deciduous woodland
- w2 - coniferous woodland
- w2c - other coniferous woodland

Lables

T# = Tower Number
= Area Feature Target Note Number
TN### = Linear Feature Target Note Number
TN### = Point Feature Target Note Number

0 50 100 Meters

Client: Scottish & Southern Electricity Networks TRANSMISSION

Project:
Dunoon to Loch Long
132 kV OHL Rebuild

Title
Figure 7.2.1
UKHab Habitat Results
Page 7 of 39

Date: 30 January 2023 Scale: 3,500 @ A3
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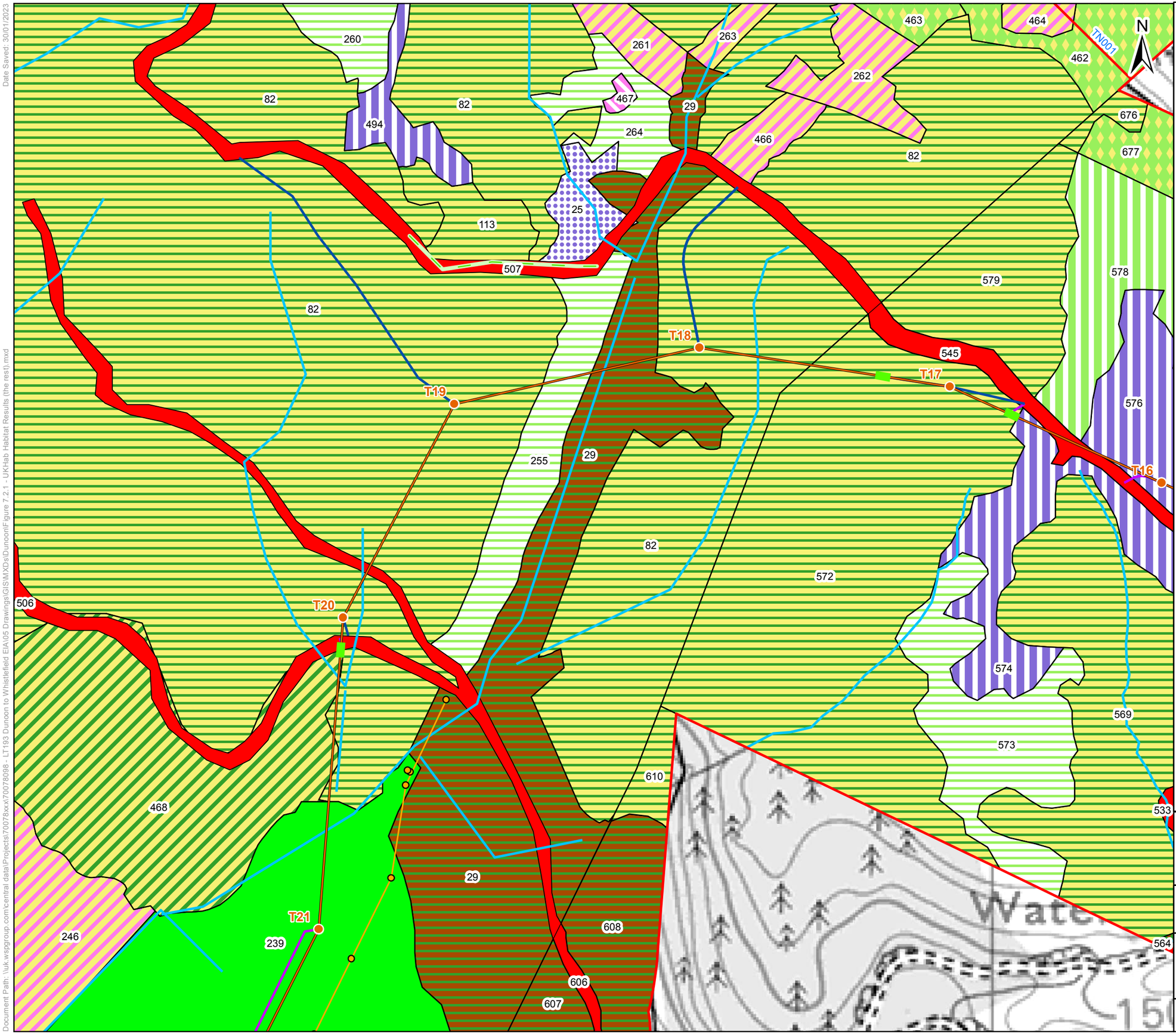

Key

- UKHab Survey Area
- Proposed OHL Alignment
- Proposed Tower Position
- Temporary Diversion
- Temporary Diversion Structure
- Proposed Retained Access
- Proposed Access–Temporary
- Proposed Conductor Pulling Area (EPZ)
- g3c - other neutral grassland
- r2b - other rivers and streams
- u1e - built linear features
- f1a - blanket bog
- f2 - fen,marsh and swamp
- g1b - upland acid grassland
- g1b6 - other upland acid grassland
- g1c - bracken
- g4 - modified grassland
- h1b - upland heathland
- h1b5 - dry heaths, upland (H4030)
- u1e - built linear features
- w1f - lowland mixed deciduous woodland
- w1g - other woodland, broadleaved
- w2 - coniferous woodland
- w2c - other coniferous woodland

Lables

T# = Tower Number
= Area Feature Target Note Number
TN### = Linear Feature Target Note Number
TN### = Point Feature Target Note Number

0 50 100 Meters

Client: Scottish & Southern Electricity Networks TRANSMISSION

Project: Dunoon to Loch Long 132 kV OHL Rebuild

Title: Figure 7.2.1 UKHab Habitat Results Page 8 of 39

Date: 30 January 2023 Scale: 3,500 @ A3
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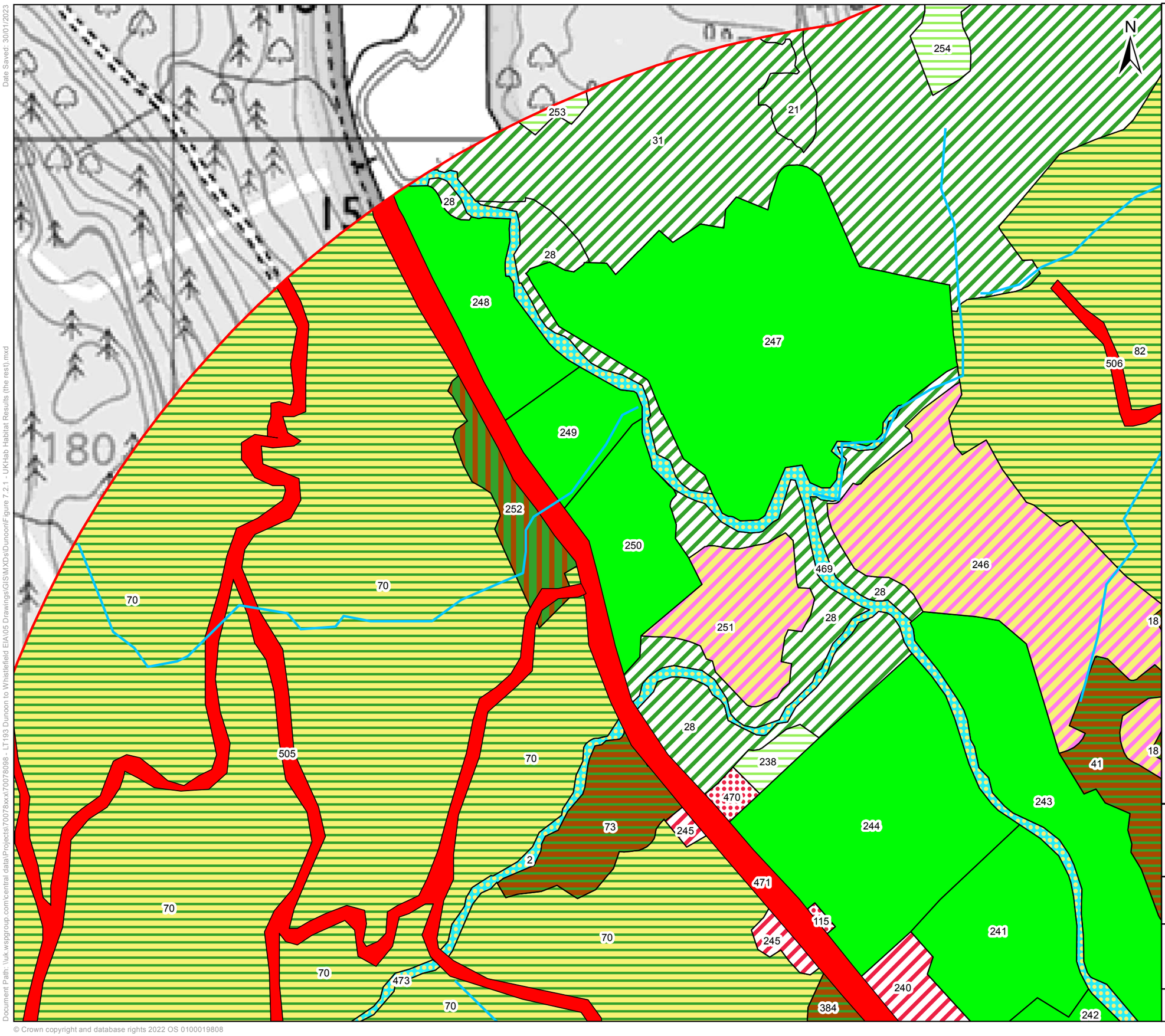

Key

- UKHab Survey Area
- r2b - other rivers and streams
- f2 - fen,marsh and swamp
- g1c - bracken
- g4 - modified grassland
- r2 - rivers and lakes
- u1 - built-up areas and gardens
- u1b5 - buildings
- u1e - built linear features
- w1 - broadleaved, mixed and yew woodland
- w1e - upland birchwoods
- w1f - lowland mixed deciduous woodland
- w1h - other woodland, mixed
- w2c - other coniferous woodland

Lables

T# = Tower Number
= Area Feature Target Note Number
TN### = Linear Feature Target Note Number
TN### = Point Feature Target Note Number

0 50 100
Meters

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Project:
Dunoon to Loch Long
132 kV OHL Rebuild

Title
Figure 7.2.1
UKHab Habitat Results
Page 9 of 39

Date: 30 January 2023 Scale: 3,500 @ A3
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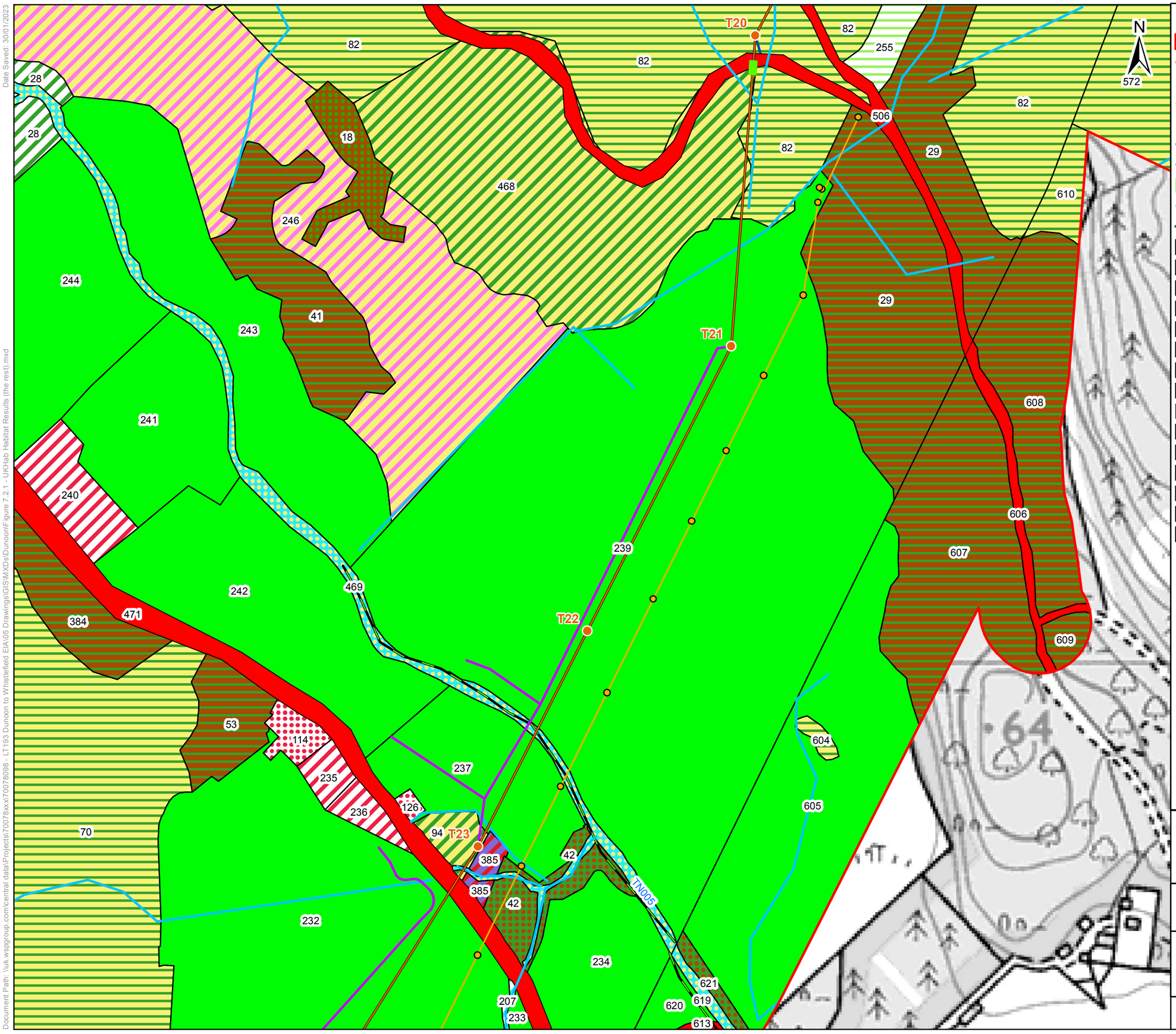

Key

- UKHab Survey Area
- Proposed OHL Alignment
- Proposed Tower Position
- Temporary Diversion
- Temporary Diversion Structure
- Proposed Retained Access
- Proposed Access–Temporary
- Proposed Conductor Pulling Area (EPZ)
- r2b - other rivers and streams
- w1g6 - line of trees
- f2 - fen,marsh and swamp
- g1c - bracken
- g4 - modified grassland
- h3 - dense scrub
- r1 - standing open water and canals
- r2 - rivers and lakes
- u1 - built-up areas and gardens
- u1b5 - buildings
- u1e - built linear features
- w1 - broadleaved, mixed and yew woodland
- w1f - lowland mixed deciduous woodland
- w1g - other woodland, broadleaved
- w1h - other woodland, mixed
- w2 - coniferous woodland
- w2c - other coniferous woodland

Lables

T# = Tower Number
= Area Feature Target Note Number
TN### = Linear Feature Target Note Number
TN### = Point Feature Target Note Number

0 50 100 Meters

Client: Scottish & Southern Electricity Networks TRANSMISSION

Project:
Dunoon to Loch Long
132 kV OHL Rebuild

Title
Figure 7.2.1
UKHab Habitat Results
Page 10 of 39

Date: 30 January 2023 Scale: 3,500 @ A3
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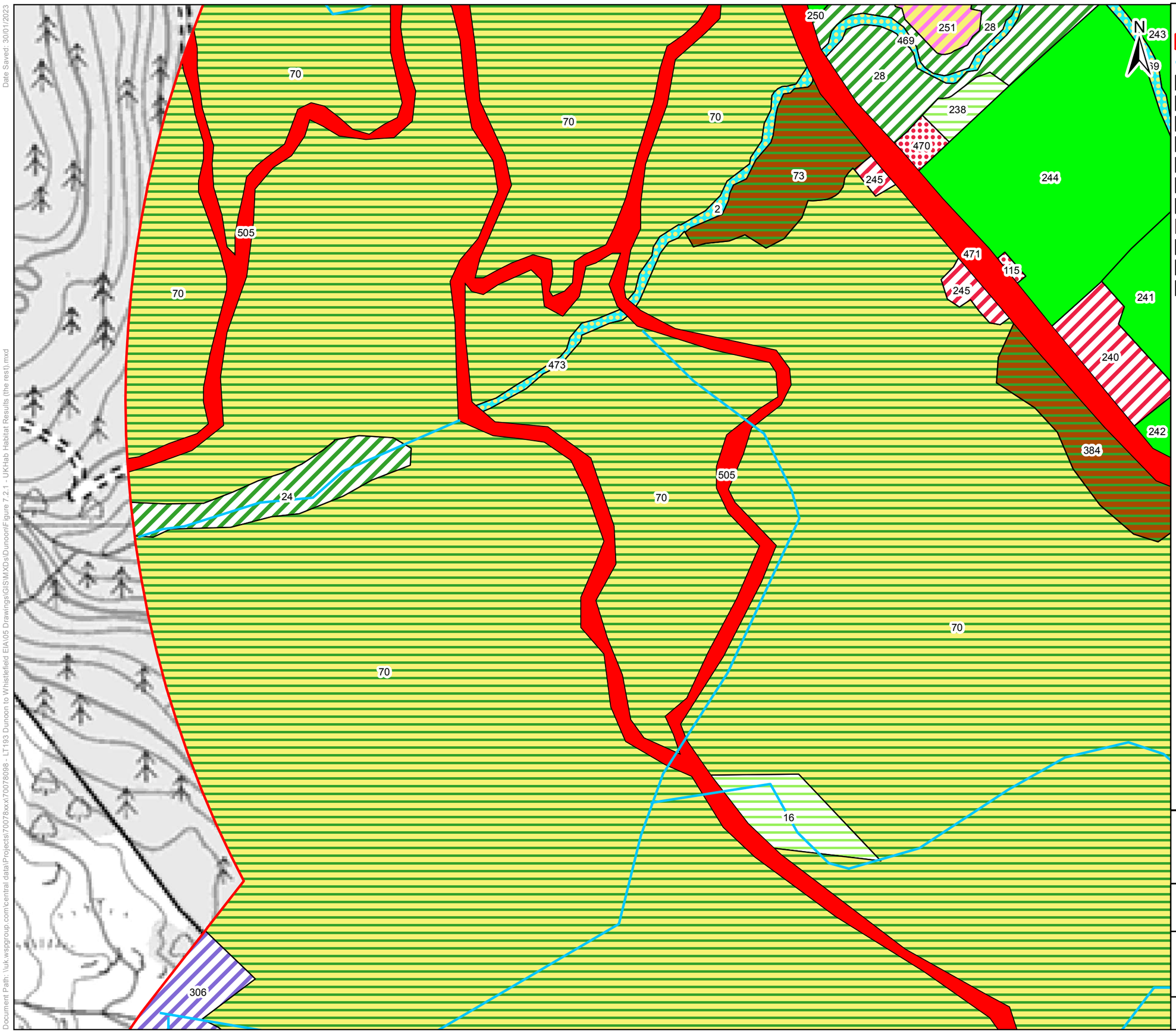

Key

- UKHab Survey Area
- r2b - other rivers and streams
- f2 - fen,marsh and swamp
- g1c - bracken
- g4 - modified grassland
- h1 - dwarf shrub heath
- r2 - rivers and lakes
- u1 - built-up areas and gardens
- u1b5 - buildings
- u1e - built linear features
- w1 - broadleaved, mixed and yew woodland
- w1f - lowland mixed deciduous woodland
- w2c - other coniferous woodland

Lables

T# = Tower Number
= Area Feature Target Note Number
TN### = Linear Feature Target Note Number
TN### = Point Feature Target Note Number

0 50 100 Meters

Client: Scottish & Southern Electricity Networks TRANSMISSION

Project:
Dunoon to Loch Long
132 kV OHL Rebuild

Title
Figure 7.2.1
UKHab Habitat Results
Page 11 of 39

Date: 30 January 2023 Scale: 3,500 @ A3
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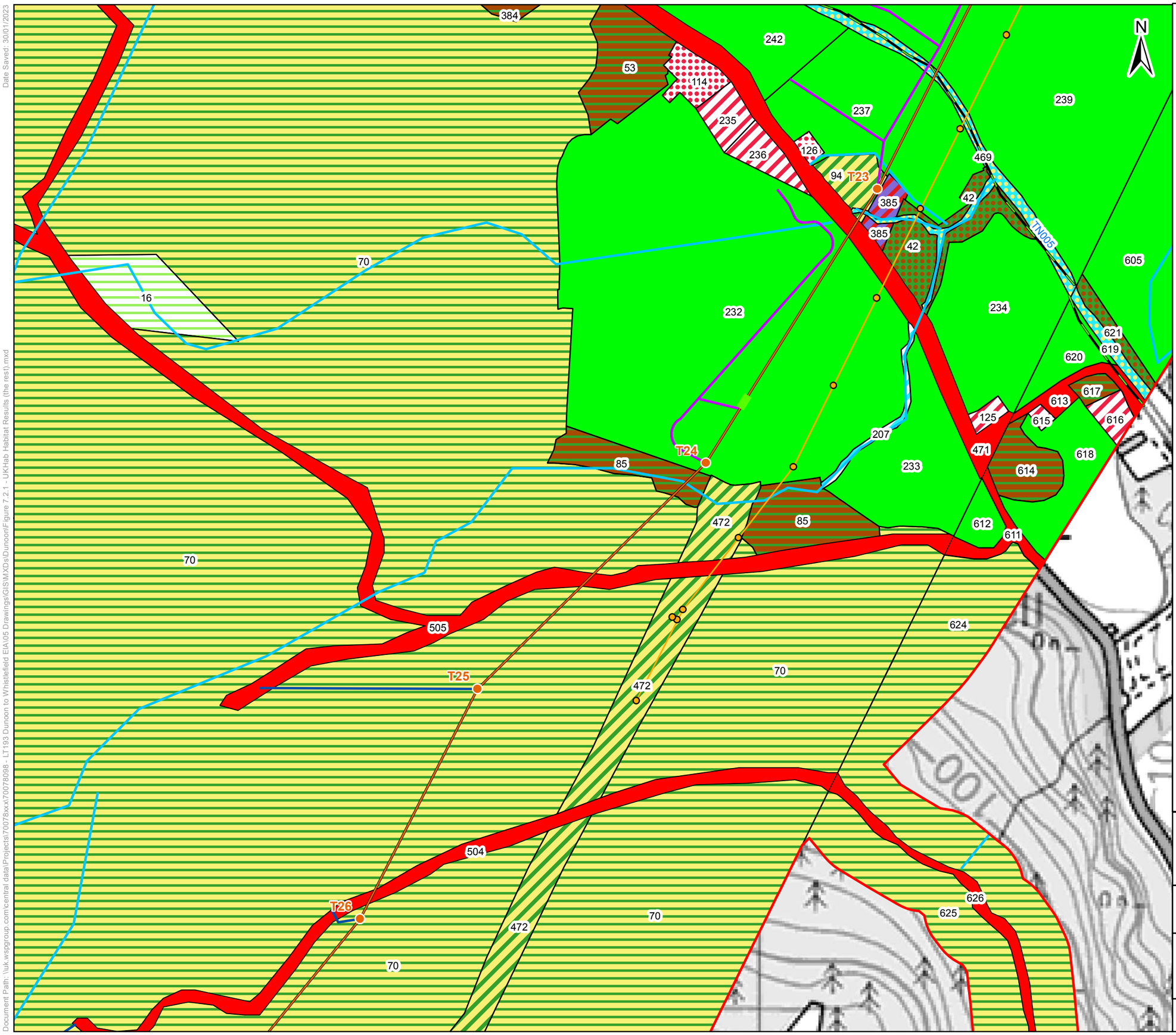

Key

- UKHab Survey Area
- Proposed OHL Alignment
- Proposed Tower Position
- Temporary Diversion
- Temporary Diversion Structure
- Proposed Retained Access
- Proposed Access–Temporary
- Proposed Conductor Pulling Area (EPZ)
- r2b - other rivers and streams
- w1g6 - line of trees
- g1c - bracken
- g4 - modified grassland
- h3 - dense scrub
- r1 - standing open water and canals
- r2 - rivers and lakes
- u1 - built-up areas and gardens
- u1b5 - buildings
- u1e - built linear features
- w1f - lowland mixed deciduous woodland
- w1g - other woodland, broadleaved
- w2 - coniferous woodland
- w2c - other coniferous woodland

Lables

T# = Tower Number
= Area Feature Target Note Number
TN### = Linear Feature Target Note Number
TN### = Point Feature Target Note Number

0 50 100 Meters

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Title: Figure 7.2.1 UKHab Habitat Results Page 12 of 39

Date: 30 January 2023 Scale: 3,500 @ A3

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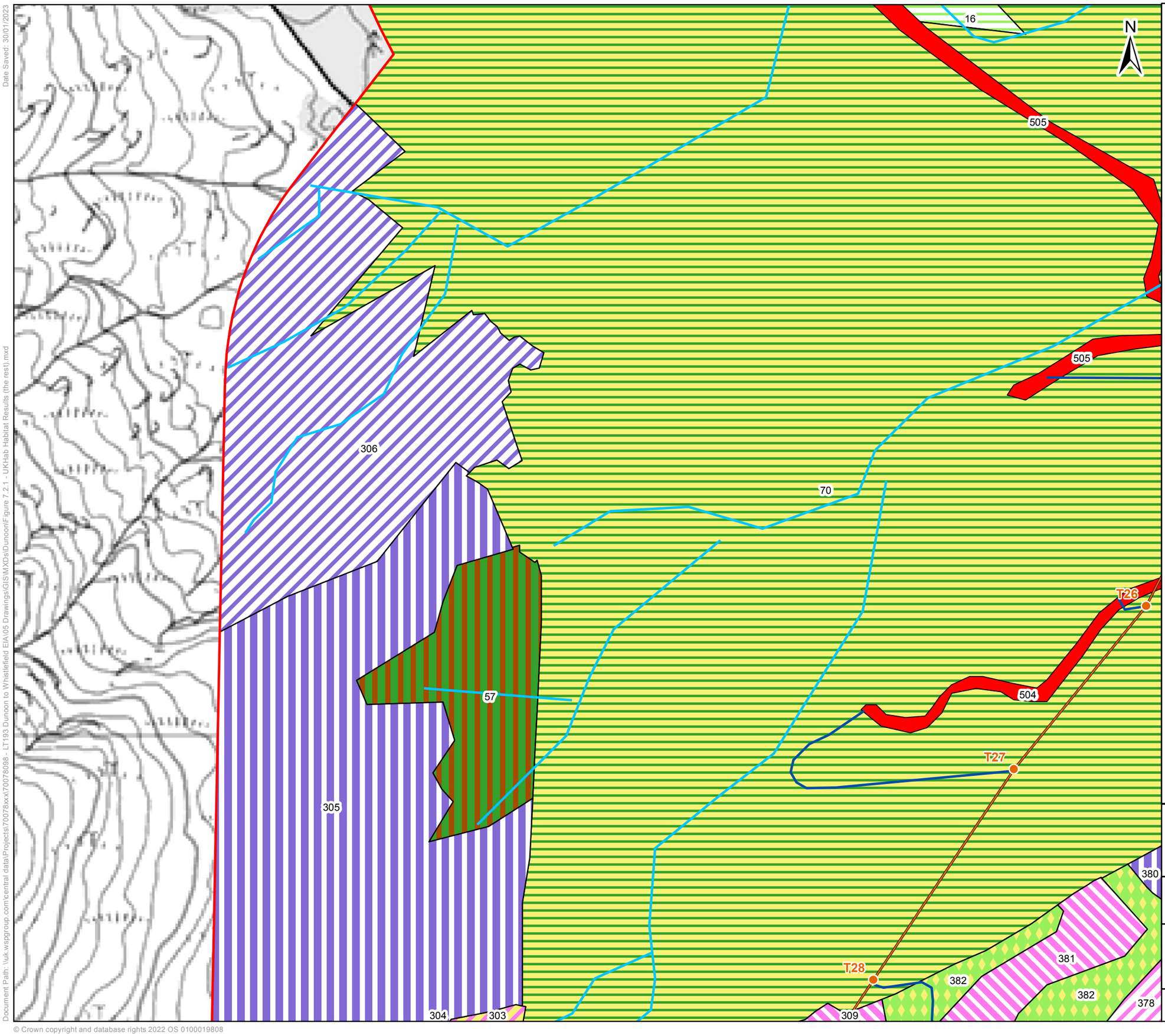

Key

- UKHab Survey Area
- Proposed OHL Alignment
- Proposed Tower Position
- Proposed Retained Access
- r2b - other rivers and streams
- f1 - bog
- f1a - blanket bog
- f2 - fen,marsh and swamp
- g1b6 - other upland acid grassland
- g1c - bracken
- h1 - dwarf shrub heath
- h1b - upland heathland
- u1e - built linear features
- w1e - upland birchwoods
- w1g - other woodland, broadleaved
- w2c - other coniferous woodland

Lables

T# = Tower Number
= Area Feature Target Note Number
TN### = Linear Feature Target Note Number
TN### = Point Feature Target Note Number

0 50 100 Meters

Client: Scottish & Southern Electricity Networks TRANSMISSION

Project:
Dunoon to Loch Long
132 kV OHL Rebuild

Title
Figure 7.2.1
UKHab Habitat Results
Page 13 of 39

Date: 30 January 2023 Scale: 3,500 @ A3
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