



# Technical Appendix 8.1: Habitat Survey Report

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# INDEX

Index .....	1
1 Introduction.....	2
1.2 The Proposed Development.....	2
1.3 Site Description .....	2
1.4 Purpose of the Report.....	2
2 Methods .....	3
2.1 UK Habitat Classification Survey .....	3
2.1.2 Survey Limitations .....	3
3 Baseline Results .....	4
3.1 Baseline Survey Findings.....	4
3.1.2 Grassland .....	5
3.1.3 Woodland .....	6
3.1.4 Heathland and Scrub .....	7
3.1.5 Cropland .....	7
3.1.6 Urban .....	8
3.1.7 Rivers and Stream.....	8
4 Summary Of Botanical Interest.....	9
Appendix A Table of Figures .....	10
Appendix B Target Notes .....	11

# 1 INTRODUCTION

1.1.1.1 This Technical Appendix (TA) describes the methods and results of habitat surveys undertaken to obtain baseline ecological information in connection with the proposed ground-mounted solar photovoltaic (PV) system and Battery Electric Storage System (BESS) (the Development). The following terminology is used throughout this TA:

- The Site: all land within the proposed red line boundary as shown on **Figure 8.1.1, Appendix A**;
- The Development: the proposed solar PV farm and BESS, inclusive of all necessary infrastructure. The Development layout is shown on **Figure 8.12, Appendix A**; and
- Habitat Survey Area (HSA): the land within which habitat surveys were undertaken, as shown on **Figure 8.1.1, Appendix A**.

## 1.2 The Proposed Development

1.2.1.1 The Proposed Development will occupy an area of approximately 190 hectares (ha), with the layout is shown in **Figure 8.1.2, Appendix A**. A full detailed description of the Proposed Development is found in **Chapter 3: Development Description** of the Environmental Impact Assessment Report (EIAR).

## 1.3 Site Description

- 1.3.1.1 The Site is centred on grid coordinates National Grid Reference (NGR) NT 78702 67899 approximately 2.4 kilometres (km) south of Cockburnspath, and 13 km southeast of Dunbar.
- 1.3.1.2 A full description of the Site and its surroundings can be found in **Chapter 2: Site Design and Evolution**.

## 1.4 Purpose of the Report

- 1.4.1.1 Habitat surveys were undertaken to classify, map and describe the vegetation communities present within the Site and identify those areas of greatest ecological importance. The purpose of this report is to detail the methods and results of the habitat surveys. The aim of this document is to characterise baseline conditions and inform the design for the Proposed Development. Once the design for the Proposed Development is confirmed, an Ecological Impact Assessment (EclA) will be completed to assess any potential impacts upon ecological receptors which may occur because of the Proposed Development
- 1.4.1.2 Information relating to protected species and bats are detailed within **Volume 3 Technical Appendix 8.2: Protected Species Survey Report** and **Technical Appendix 8.3: Bat Survey Report** and are not reported here.

## 2 METHODS

### 2.1 UK Habitat Classification Survey

- 2.1.1.1 A UK Habitat Classification (UKHab) survey was carried out between the 16 and 19 September 2024 in accordance with the latest guidelines<sup>1</sup>. The UKHab survey was undertaken by ERM Senior Consultant Monica Wood. An additional visit was also undertaken by ERM Principal Technical Consultant Amelia Hodnett on the 25th of September 2024. Both Monica and Amelia are experienced botanists and competent in undertaking UKHab surveys.
- 2.1.1.2 The UKHab survey encompassed all land within the HSA as shown on **Figure 8.1.1, Appendix A**.
- 2.1.1.3 The aim of the survey was to classify and map habitats according to the methods described in version 2 of the UK Habitat Classification User Manual<sup>1</sup>. Target notes (TNs) were made to illustrate examples of habitats present (Appendix B). The DAFOR (dominant, abundant, frequent, occasional or rare) scale was used to describe the abundance of floral species. The DAFOR scale is used for semi-quantitative sampling, to provide a quick estimate of the relative abundance of species in a given area. The nomenclature of vascular plants follows Stace (2019)<sup>2</sup>.
- 2.1.1.4 Any invasive non-native species of plant encountered during the Habitat Surveys, including Japanese knotweed (*Reynoutria japonica*), Himalayan balsam (*Impatiens glandulifera*) and giant hogweed (*Heracleum mantegazzianum*) were recorded to inform the need for further specialist surveys and advice.
- 2.1.1.5 Typically, a National Vegetation Classification (NVC) survey would have been conducted on Ground Water Dependent Terrestrial Ecosystems (GWDTE) however no such habitats were present within the survey area.

#### 2.1.2 Survey Limitations

- 2.1.2.1 Access was largely limited to the Site, and in places there was limited access granted for land beyond the Site boundary. As such habitats were recorded and assessed from adjacent land within the Site where access was available to assess inaccessible habitat areas beyond it, and although a detailed species list could not always be obtained, a broad classification of the habitat type was able to be confirmed. In addition, all land within the Site was surveyed and so a robust survey of all areas subject to direct effects from the Proposed Development was undertaken, so this is not considered a significant limitation.

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<sup>1</sup> UKHab LTD (2023) *UK Habitat Classification Version 2.0* [Online] Available at: [UKHab – UK Habitat Classification](#) (accessed February (2025))

<sup>2</sup> Stace, C (2019) *New Flora of the British Isles 4<sup>th</sup> edition*. Cambridge University Press, UK.

### 3 BASELINE RESULTS

#### 3.1 Baseline Survey Findings

- 3.1.1.1 The HSA is characterised by rural habitats, consisting mainly of arable fields and pasture. Arable margins, hedgerows, ditches were present along field boundaries. Small parcels of woodland, scrub and neutral grassland were also present within the site.
- 3.1.1.2 The UKHab communities recorded on site during the survey are presented **Table 3.1**, listed by classification grouping order as set out in the latest guidance<sup>1</sup>. **Figure 8.1.3** details the location of the communities and associated TN. Description of TNs are presented in **Appendix B**.

TABLE 3.1 UKHAB COMMUNITIES RECORDED WITHIN THE SURVEY AREA

BROAD HABITAT TYPE	UKHAB CODE	HABITAT CLASSIFICATION
Grassland	g1c	Bracken
	g3c	Other neutral grassland
	g4	Modified grassland
Woodland and forest	w1	broadleaved, mixed and yew woodland*
	w1g	Other broadleaved woodland
	w1h	Other woodland; mixed
	w2	Coniferous Woodland*
	w2c	Other Coniferous Woodland
Heathland and scrub	h2a	Native hedgerow
	h2a5	Species-rich Native Hedgerow
	h3a	Blackthorn Scrub
	h3e	Gorse scrub
Cropland	c1c5	Winter stubble
	c1d	Non-cereal crops
Urban	u1b	Developed Sealed surface
	u1b5	Buildings
	u1c	Artificial unvegetated, unsealed surface

BROAD HABITAT TYPE	UKHAB CODE	HABITAT CLASSIFICATION
	u1f	Sparsely vegetated urban land
Rivers and lakes	r1a	Eutrophic standing water

\*Surveyors did not have access to this area, so it was not possible to obtain a species lists

### 3.1.2 Grassland

#### Bracken (g1c)

3.1.2.1 An area of dense bracken is present on the slop on the south of the survey area (TN1).

#### Other Neutral Grassland (g3c)

3.1.2.2 Small parcels of other neutral grassland are present on the site including an area surrounding the pond (TN2) and an area of newly planted Sitka spruce (*Picea sitchensis*) (TN3).

3.1.2.3 Grass species recorded included false oatgrass (*Arrhenatherum elatius*), cock's-foot (*Dactylis glomerata*), and tufted hair-grass (*Deschampsia cespitosa*), perennial rye-grass (*Lolium perenne*), Yorkshire-fog (*Holcus lanatus*), crested dog's-tail (*Cynosurus cristatus*), and timothy (*Phleum pratense*).

3.1.2.4 Herbaceous species included creeping thistle (*Cirsium arvense*), common nettle (*Urtica dioica*), creeping buttercup (*Ranunculus repens*), dock (*Rumex sp.*), meadow vetchling (*Lathyrus pratensis*), meadow buttercup (*Ranunculus acris*), hogweed (*Heracleum sphondylium*), American willowherb (*Epilobium ciliatum*), rosebay willowherb (*Chamerion angustifolium*), great willowherb (*Epilobium hirsutum*).

3.1.2.5 Water mint (*Mentha aquatica*) and soft rush (*Juncus effusus*) were present near the pond. In the pond area some scattered scrub was also present including bramble (*Rubus fruticosus*), and broom (*Cytisus scoparius*). Occasional hawthorn (*Crataegus monogyna*), willow (*Salix sp.*).

#### Modified Grassland (g4)

3.1.2.6 The majority of the site is comprised of modified grassland (TN4 - 12). The majority of the site is being used as pasture for cattle and sheep (TN4 - 10). Whilst some smaller parcels form the amenity grassland surrounding the residential buildings (TN11 and 12). Perennial rye grass was always abundant within these grasses. Nonetheless other grasses species including false oat-grass cock's-foot, Yorkshire-fog, crested dog's-tail, meadow grass (*Poa sp.*), brome (*Bromus sp.*), fescue (*Festuca sp.*), creeping bent (*Agrostis stolonifera*), timothy (*Phleum pratense*), and meadow foxtail (*Alopecurus pratensis*) were observed.

3.1.2.7 A variety of herbaceous species mostly species typical of nutrient-enriched soils are also present, including creeping thistle (*Cirsium arvense*), creeping buttercup (*Ranunculus*

*repens*), common nettle (*Urtica dioica*), spear thistle (*Cirsium vulgare*), white clover (*Trifolium repens*), daisy (*Bellis perennis*), dandelion (*Taraxacum agg.*), dock (*Rumex sp.*), ribwort plantain (*Plantago lanceolata*), greater plantain (*Plantago major*), meadow buttercup (*Ranunculus acris*), red clover (*Trifolium pratense*), lesser hop-trefoil (*Trifolium dubium*), yarrow (*Achillea millefolium*), pineappleweed (*Matricaria discoidea*), field forget-me-not (*Myosotis arvensis*), prickly sowthistle (*Sonchus asper*), common bird's-foot trefoil (*Lotus corniculatus*), rosebay willowherb (*Chamerion angustifolium*).

- 3.1.2.8 Some scattered scrub is also present in places particularly in are close to the dense scrub species present included broom (*Cytisus scoparius*), hawthorn (*Crataegus monogyna*), and American willowherb (*Epilobium ciliatum*), scattered gorse (*Ulex europaeus*). In wetter areas soft rush (*Juncus effusus*) was locally frequent (TN9).

### 3.1.3 Woodland

#### Other Broadleaved Woodland (w1g)

- 3.1.3.1 Patches of other broadleaved woodland are present on site (TN13-15). The woodland surrounding the main house (TN 13) comprises sycamore (*Acer pseudoplatanus*), which was abundant, along with frequent occurrences of hazel (*Corylus avellana*), laburnum (*Laburnum anagyroides*), beech (*Fagus sylvatica*), and wych elm (*Ulmus glabra*). Other species present included occasional ash (*Fraxinus excelsior*), hawthorn, holly (*Ilex aquifolium*), and horse-chestnut (*Aesculus hippocastanum*).
- 3.1.3.2 There is a smaller woodland on the bottom of a gorge (TN 14) comprised of ash, lime (*Tilia sp.*) and oak (*Quercus sp.*).
- 3.1.3.3 Lastly an area of recently planted woodland is present over what used to be an area of grassland (T15). Species present include Aspen (*Populus tremula*), rowan (*Sorbus aucuparia*) and silver birch (*Betula pendula*).

#### Other Woodland Mixed (w1h)

- 3.1.3.4 One section of mixed woodland is present on site (TN 16). This woodland was a recently planted and comprises of rowan, Scot's pine (*Pinus sylvestris*), apple (*Malus sp.*), pedunculate oak (*Quercus robur*), and silver birch. The ground flora is characterised by grasses such as cock's-foot, false oat-grass, perennial rye-grass, and Yorkshire-fog, as well as herbs typical of nutrient-rich soils, including common nettle, dock, and pineapple weed.
- 3.1.3.5 A small line of tree was identified on the HAS near the northeast of the site (TN17) This line of mixed woodland has abundant larch (*Larix sp.*) and silver birch, with Scot's pine and rowan present in lower quantities. The understory and ground layers were dominated by bracken bramble and common nettle.

#### Other Coniferous Woodland (w2c)

- 3.1.3.6 The coniferous woodland (TN18) is characterised by a dominance of Scot's pine with abundant Sitka spruce and gorse. The ground layer is densely vegetated, featuring frequent cock's-foot and abundant common nettle.

### 3.1.4 Heathland and Scrub

#### Native Hedgerow (h2a)

- 3.1.4.1 Several native hedgerows are present on site (TN19-27). The majority of them are hawthorn hedgerows though other woody species were usually frequently or occasionally present including elder, broom, blackthorn, alder, dog-rose (*Rosa canina*), dewberry (*Rubus caesius*) and gorse (TN19 – 23). One of the hedgerows had abundant willow (*Salix* sp.) as well as hawthorn (TN24).
- 3.1.4.2 The hedgerow near the house (TN25) comprised abundant beech, with occasional occurrences of ash, elder (*Sambucus nigra*), holly, snowberry (*Symphoricarpos albus*), sycamore, and wych elm.

#### Species-rich Native Hedgerow (h2a5)

- 3.1.4.3 Two species rich native hedgerows are present on site (TN26 and 27).
- 3.1.4.4 TN 26 consists of abundant alder (*Alnus glutinosa*), blackthorn (*Prunus spinosa*), field maple (*Acer campestre*), and hawthorn with frequent occurrences of dewberry. Whereas TN27 consists of alder (*Alnus glutinosa*), blackthorn (*Prunus spinosa*), field maple (*Acer campestre*), and hawthorn.

#### Blackthorn Scrub (h3a)

- 3.1.4.5 An area of blackthorn scrub was present along a ditch adjacent to a pasture (TN28). Other species of scrub present included gorse and hawthorn. As there was not fence separating it from the pasture this section of scrub was grazed.

#### Gorse Scrub (h3e)

- 3.1.4.6 Areas of gorse scrub are present, on the site boundary, along sections of steep slopes (TN 29).
- 3.1.4.7 Gorse scrub, and bracken are abundant in the area. Other tree and scrub species present frequent and occasionally include ash, hawthorn bramble, broom, elm and elder. Herbs including common nettle, creeping thistle, and foxglove (*Digitalis purpurea*) were frequent on the ground flora. Rosebay willowherb was locally abundant.

### 3.1.5 Cropland

- 3.1.5.1 Small strip of grassland are found at the borders of arable fields (TN 30 and 31). These are characterised by a variety of grasses and herbaceous plants. These, however, were not considered to fall within the UKHab definition of arable field margins as they did not appear to be managed for the benefit of wildlife. The ground flora had abundant species like perennial rye-grass, cock's-foot, creeping buttercup, and dock. Frequent species included common nettle, ribwort plantain, white clover, creeping thistle, and chickweed. Occasional species included creeping bent, crested dog's-tail, false oat-grass, spear thistle, prickly sowthistle, and scentless mayweed.



### **Winter Stubble (c1c5)**

3.1.5.2 Three field of winter stubble such as TN32 were recorded on site.

### **Non-cereal Crops (c1d)**

3.1.5.3 One non-cereal crop field was recorded on the northeast of the HSA (TN33).

## **3.1.6 Urban**

### **Buildings (u1b5)**

3.1.6.1 Several farm buildings were recorded on site (TN34-38). These included two residential buildings, namely the terraced cottages (TN34) and the main house (TN35). The other buildings were a variety of commercial buildings used in the farming activities (TN36-38). Further details about the buildings are provided in the Bat technical appendix.

### **Developed Sealed Surfaces (u1b)**

3.1.6.2 Developed sealed surface habitat was used for parking next to the main house (TN39) and in the form of roads on the farms (TN40).

### **Artificial Unvegetated Unsealed Surface (u1c)**

3.1.6.3 Artificial unvegetated unsealed surface was present on site in the form of tracks (TN41) and gravel area surrounding the main house (TN42).

### **Sparsely Vegetated Urban Land (u1f)**

3.1.6.4 Sparsely vegetated urban land was present on sections of the farmyard that had been colonised by grasses and low-growing plants (TN 43). Frequent species included perennial rye-grass, pineapple weed, dock, and white clover, providing a mix of green ground cover. Occasional species present included common mouse-ear, creeping thistle, ribwort plantain, prickly sowthistle, and scentless mayweed, adding to the diversity of the area. No species were considered abundant or dominant as the majority of the area was just bare ground.

## **3.1.7 Rivers and Stream**

### **Eutrophic Standing Water (r1a)**

3.1.7.1 A pond was present on the centre of site (TN44). Soft rush, iris, and bulrush were present on the margins as well as a small cluster of goat willow on south shore.

## 4 SUMMARY OF BOTANICAL INTEREST

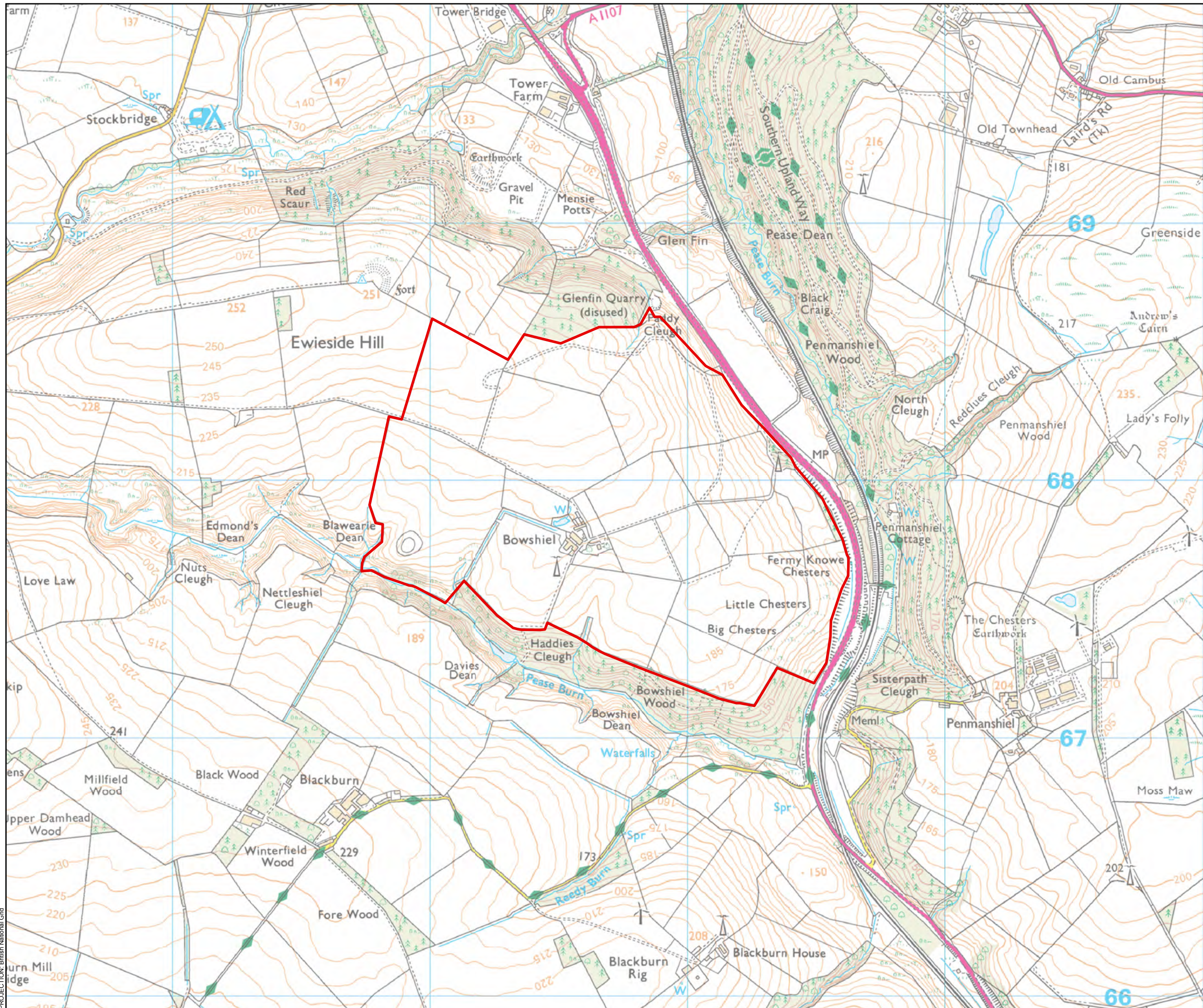
4.1.1.1 **Table 4.1**, below, provides a summary of the habitat communities recorded on site, and whether these Habitats of Principal Importance (HPI) listed on the Scottish Biodiversity List (SBL) and the potential to be Ground Water Dependent Terrestrial Ecosystems (GWDTE). Impact Assessment and Mitigation are discussed on Chapter 8 of the EIAR.

TABLE 4.1 SUMMARY OF UKHAB COMMUNITIES AND SENSITIVITIES ON SITE

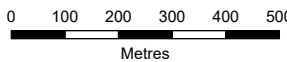
UK HAB COMMUNITY	SBL	GWDTE
Bracken		Low
Other neutral grassland		Low
Modified grassland		Low
Other broadleaved woodland		Low
Other woodland; mixed		Low
Coniferous Woodland		Low
Native hedgerow	✓	Low
Gorse scrub		Low
Cereal crops		Low
Winter stubble		Low
Non-cereal crops		Low
Developed Sealed surface		Low
Buildings		Low
Artificial unvegetated, unsealed surface		Low
Sparsely vegetated urban land		Low
Eutrophic standing water		Low

## **APPENDIX A      FIGURES**





Site Boundary



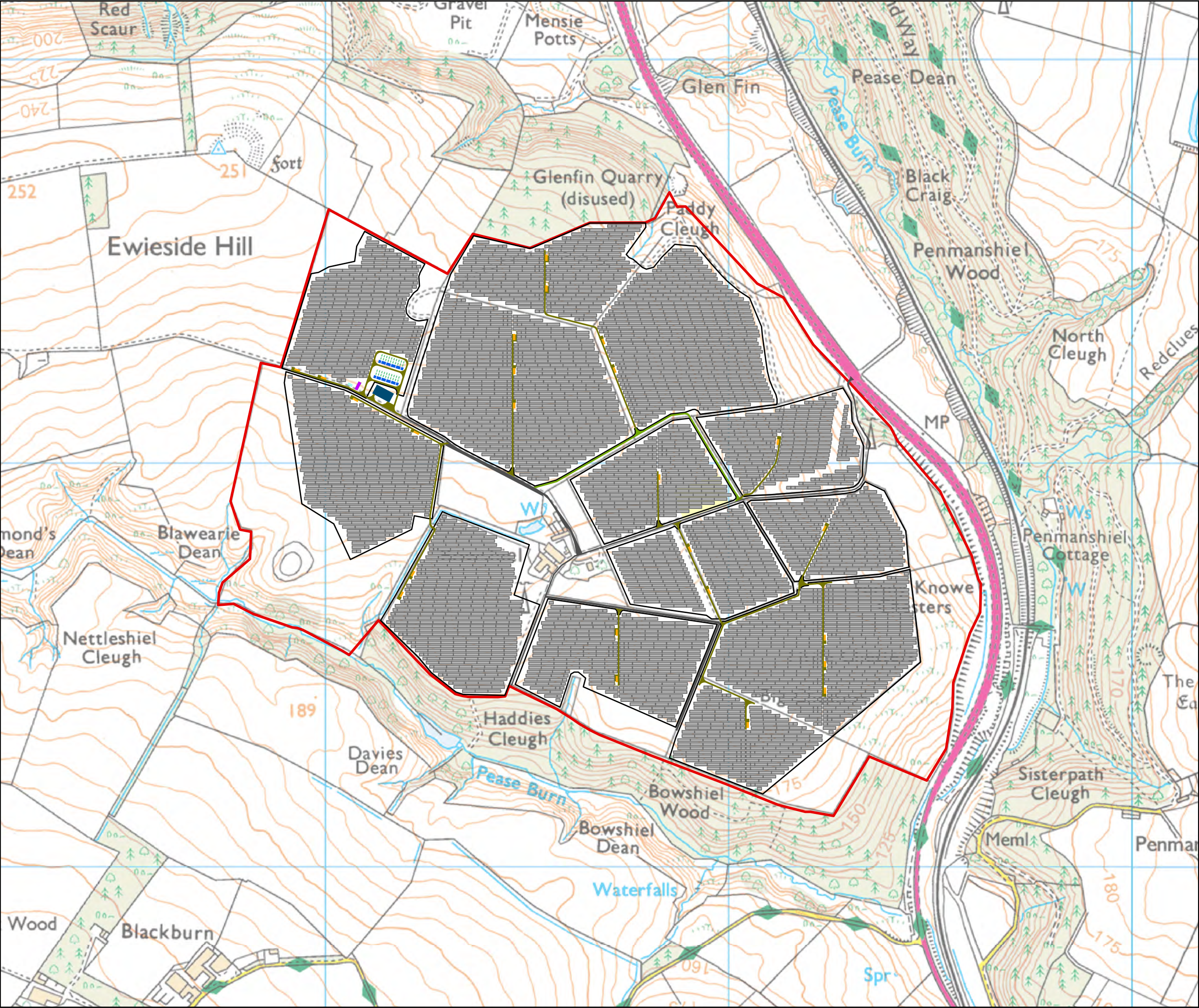
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DATE: 05/03/2025

VERSION: A01  
DRAWN: JS  
CHECKED: MW  
APPROVED: RO

**Bowshiel Solar Farm and BESS  
Protected Species Survey Report  
Figure 8.1.1  
Site Location Plan**







- Site Boundary
- Site Infrastructure
  - BESS
  - Temporary Construction Compound
  - OM Building
  - Customer Substation
  - PV Module
  - Transformer
  - Internal Access Track
  - Existing Access Track
  - External Access Track
  - Power Conversion
  - Storage Container
  - Tesla Megapack
  - Fence

050100150200250

Metres

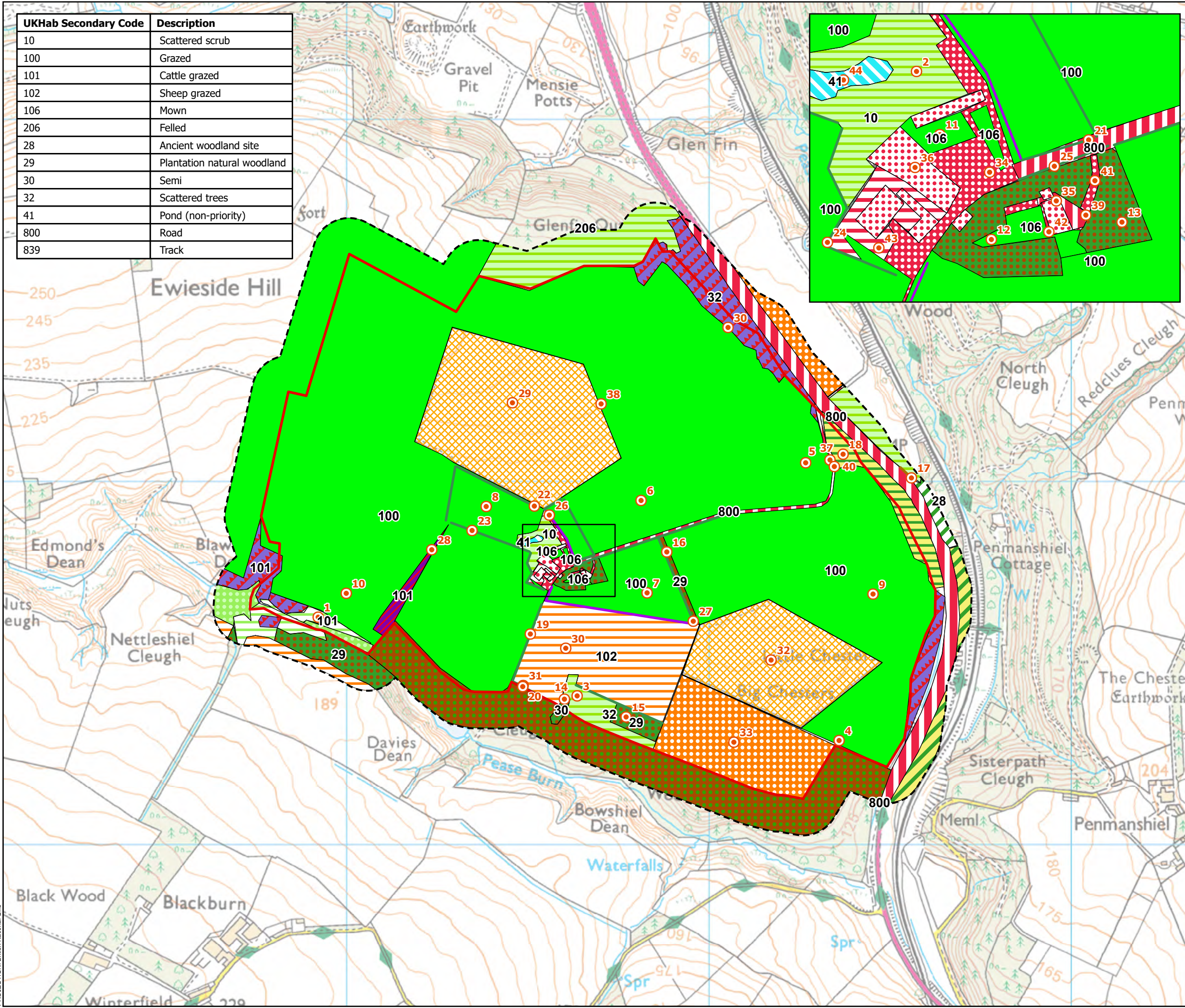
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DATE: 6/3/2025	APPROVED: RO

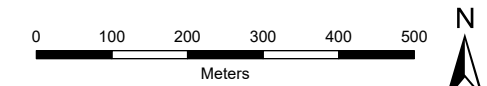
**Bowshiel Solar Farm and BESS  
Habitat Technical Appendix  
Figure 8.1.2  
Development Layout**



UKHab Secondary Code	Description
10	Scattered scrub
100	Grazed
101	Cattle grazed
102	Sheep grazed
106	Mown
206	Felled
28	Ancient woodland site
29	Plantation natural woodland
30	Semi
32	Scattered trees
41	Pond (non-priority)
800	Road
839	Track



- Site Boundary**
- 100 m Buffer
  - Target Note
- UK Habitat**
- h2a - Native hedgerow
  - h2a5 - Species-rich native hedgerow
  - w1h - Other woodland; mixed
- UK Habitat**
- c1c - cereal crops
  - c1c5 - winter stubble
  - c1d - non-cereal crops
  - g1c - bracken
  - g3c - other neutral grassland
  - g3c8 - Holcus-Juncus neutral grassland
  - g4 - modified grassland
  - h3a - blackthorn scrub
  - h3e - gorse scrub
  - r1a - eutrophic standing water
  - u1b - developed land, sealed surface
  - u1b5 - buildings
  - u1c - artificial unvegetated unsealed surface
  - u1f - sparsely vegetated urban land
  - w1 - broadleaved, mixed and yew woodland
  - w1g - other woodland, broadleaved
  - w1h - other woodland, mixed
  - w2 - coniferous woodland
  - w2c - other coniferous woodland



SCALE: See Scale Bar  
SIZE: A3  
PROJECT: 0733745  
DATE: 05/03/2025


VERSION: A01  
DRAWN: RW  
CHECKED: MW  
APPROVED: RO

**Springfield Solar Farm and BESS  
Protected Species Survey Report  
Figure 8.1.2  
UK Habitat Survey Results Plan**





APPENDIX B      TARGET NOTES

TARGET NOTE	PHOTOGRAPH
<p>TN1 – Bracken Area of dense bracken (<i>Pteridium aquilinum</i>).</p>	

## TARGET NOTE

### TN2 – Other Neutral Grassland

Are of other neutral grassland with scattered scrub surrounding the pond.

American willowherb ( <i>Epilobium ciliatum</i> )	Occasional
Bramble ( <i>Rubus fruticosus</i> )	Locally frequent
Broom ( <i>Cytisus scoparius</i> )	Locally frequent
Cock's-foot ( <i>Dactylis glomerata</i> )	Abundant
Common nettle ( <i>Urtica dioica</i> )	Frequent
Creeping buttercup ( <i>Ranunculus repens</i> )	Frequent
Creeping thistle ( <i>Cirsium arvense</i> )	Frequent
Dock ( <i>Rumex sp.</i> )	Frequent
False oat-grass ( <i>Arrhenatherum elatius</i> )	Frequent
Great willowherb ( <i>Epilobium hirsutum</i> )	Occasional
Hawthorn ( <i>Crataegus monogyna</i> )	Occasional
Hogweed ( <i>Heracleum sphondylium</i> )	Occasional
Meadow buttercup ( <i>Ranunculus acris</i> )	Occasional
Meadow vetchling ( <i>Lathyrus pratensis</i> )	Occasional
Rosebay willowherb ( <i>Chamerion angustifolium</i> )	Locally abundant
Soft rush ( <i>Juncus effusus</i> )	Locally frequent
Tufted hair-grass ( <i>Deschampsia cespitosa</i> )	Abundant
Water mint ( <i>Mentha aquatica</i> )	Occasional
Willow ( <i>Salix sp.</i> )	Occasional
Yorkshire-fog ( <i>Holcus lanatus</i> )	Frequent

## PHOTOGRAPH





## TARGET NOTE

### TN3 – Other Neutral Grassland

Other neutral grassland with newly planted Sitka spruce (*Picea sitchensis*)

Cock's-foot ( <i>Dactylis glomerata</i> )	Frequent
Common knapweed ( <i>Centaurea nigra</i> )	Locally frequent
Common nettle ( <i>Urtica dioica</i> )	Frequent
Creeping thistle ( <i>Cirsium arvense</i> )	Locally abundant
Crested dog's tail ( <i>Cynosurus cristatus</i> )	Occasional
False oat-grass ( <i>Arrhenatherum elatius</i> )	Abundant
Perennial rye-grass ( <i>Lolium perenne</i> )	Frequent
Timothy ( <i>Phleum pratense</i> )	Occasional
Yorkshire-fog ( <i>Holcus lanatus</i> )	Frequent

## PHOTOGRAPH



## TARGET NOTE

### TN 4 - Modified Grassland

Modified grassland in the form of grazed pasture. Damp area of soft rush is present at the bottom of the valley.

Cock's-foot ( <i>Dactylis glomerata</i> )	Occasional
Common bird's-foot trefoil ( <i>Lotus corniculatus</i> )	Occasional
Common mouse-ear ( <i>Cerastium fontanum</i> )	Occasional
Common nettle ( <i>Urtica dioica</i> )	Occasional
Creeping buttercup ( <i>Ranunculus repens</i> )	Frequent
Creeping thistle ( <i>Cirsium arvense</i> )	Locally frequent
Crested dog's tail ( <i>Cynosurus cristatus</i> )	Frequent
Dandelion ( <i>Taraxacum</i> agg. )	Frequent
Dock ( <i>Rumex</i> sp.)	Occasional
Lesser hop-trefoil <i>Trifolium dubium</i>	Occasional
Perennial rye-grass ( <i>Lolium perenne</i> )	Abundant
Pineappleweed ( <i>Matricaria discoidea</i> )	Occasional
Red Clover ( <i>Trifolium pratense</i> )	Frequent
Ribwort plantain ( <i>Plantago lanceolata</i> )	Abundant
Soft rush ( <i>Juncus effusus</i> )	Locally abundant
White clover ( <i>Trifolium repens</i> )	Abundant
Yorkshire-fog ( <i>Holcus lanatus</i> )	Frequent

## PHOTOGRAPH



## TARGET NOTE

### TN 5 – Modified Grassland

Modified grassland in the form of grazed pasture. Scattered scrub was present near dense scrub area.

Brome ( <i>Bromus sp.</i> )	Locally frequent
Cock's-foot ( <i>Dactylis glomerata</i> )	Occasional
Common mouse-ear ( <i>Cerastium fontanum</i> )	Occasional
Creeping buttercup ( <i>Ranunculus repens</i> )	Abundant
Creeping thistle ( <i>Cirsium arvense</i> )	Locally abundant
Crested dog's tail ( <i>Cynosurus cristatus</i> )	Abundant
Dandelion ( <i>Taraxacum</i> agg. )	Frequent
Fescue ( <i>Festuca sp.</i> )	Occasional
Gorse ( <i>Ulex europaeus</i> )	Locally frequent
Greater plantain <i>Plantago major</i>	Occasional
Meadow grass ( <i>Poa sp.</i> )	Occasional
Perennial rye-grass ( <i>Lolium perenne</i> )	Frequent
Pineappleweed ( <i>Matricaria discoidea</i> )	Occasional
Red Clover ( <i>Trifolium pratense</i> )	Frequent
Spear thistle ( <i>Cirsium vulgare</i> )	Occasional
White clover ( <i>Trifolium repens</i> )	Frequent
Yarrow ( <i>Achillea millefolium</i> )	Frequent
Yorkshire-fog ( <i>Holcus lanatus</i> )	Frequent

## PHOTOGRAPH





## TARGET NOTE

### TN 6 – Modified Grassland

Modified grassland in the form of grazed pasture near the house.



Chickweed ( <i>Stellaria media</i> )	Occasional
Cock's-foot ( <i>Dactylis glomerata</i> )	Frequent
Common nettle ( <i>Urtica dioica</i> )	Occasional
Creeping buttercup ( <i>Ranunculus repens</i> )	Frequent
Crested dog's tail ( <i>Cynosurus cristatus</i> )	Frequent
Perennial rye-grass ( <i>Lolium perenne</i> )	Abundant
Spear thistle ( <i>Cirsium vulgare</i> )	Occasional
White clover ( <i>Trifolium repens</i> )	Abundant



### TN 7 – Modified Grassland

Common nettle ( <i>Urtica dioica</i> )	Occasional
Creeping buttercup ( <i>Ranunculus repens</i> )	Frequent
Daisy <i>Bellis perennis</i>	Frequent
Dandelion ( <i>Taraxacum</i> agg. )	Frequent
Dock ( <i>Rumex</i> sp.)	Occasional
Greater plantain <i>Plantago major</i>	Frequent
Meadow grass ( <i>Poa</i> sp.)	Abundant
Perennial rye-grass ( <i>Lolium perenne</i> )	Abundant
Spear thistle ( <i>Cirsium vulgare</i> )	Occasional
White clover ( <i>Trifolium repens</i> )	Abundant

## PHOTOGRAPH



TARGET NOTE	PHOTOGRAPH																						
<p><b>TN 8 – Modified Grassland</b>  <b>Modified grassland in the form of grazed pasture soft rush is present near the pond, creeping thistle and nettles are present near the hedgerow.</b></p> <table> <tr> <td>Common nettle (<i>Urtica dioica</i>)</td><td>Locally frequent</td></tr> <tr> <td>Creeping bent <i>Agrostis stolonifera</i></td><td>Frequent</td></tr> <tr> <td>Creeping buttercup (<i>Ranunculus repens</i>)</td><td>Frequent</td></tr> <tr> <td>Creeping thistle (<i>Cirsium arvense</i>)</td><td>Locally frequent</td></tr> <tr> <td>Crested dog's tail (<i>Cynosurus cristatus</i>)</td><td>Frequent</td></tr> <tr> <td>Dandelion (<i>Taraxacum</i> agg. )</td><td>Frequent</td></tr> <tr> <td>False oat-grass (<i>Arrhenatherum elatius</i>)</td><td>Occasional</td></tr> <tr> <td>Perennial rye-grass (<i>Lolium perenne</i>)</td><td>Abundant</td></tr> <tr> <td>Soft rush (<i>Juncus effusus</i>)</td><td>Locally frequent</td></tr> <tr> <td>White clover (<i>Trifolium repens</i>)</td><td>Abundant</td></tr> <tr> <td>Yorkshire-fog (<i>Holcus lanatus</i>)</td><td>Occasional</td></tr> </table>	Common nettle ( <i>Urtica dioica</i> )	Locally frequent	Creeping bent <i>Agrostis stolonifera</i>	Frequent	Creeping buttercup ( <i>Ranunculus repens</i> )	Frequent	Creeping thistle ( <i>Cirsium arvense</i> )	Locally frequent	Crested dog's tail ( <i>Cynosurus cristatus</i> )	Frequent	Dandelion ( <i>Taraxacum</i> agg. )	Frequent	False oat-grass ( <i>Arrhenatherum elatius</i> )	Occasional	Perennial rye-grass ( <i>Lolium perenne</i> )	Abundant	Soft rush ( <i>Juncus effusus</i> )	Locally frequent	White clover ( <i>Trifolium repens</i> )	Abundant	Yorkshire-fog ( <i>Holcus lanatus</i> )	Occasional	
Common nettle ( <i>Urtica dioica</i> )	Locally frequent																						
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Yorkshire-fog ( <i>Holcus lanatus</i> )	Occasional																						
<p><b>TN 9 – Modified Grassland</b>  <b>Area of soft rush (<i>Juncus effusus</i>) on the bottom of the valley</b></p>																							

TARGET NOTE	PHOTOGRAPH																								
<p><b>TN 10 – Modified Grassland</b></p> <table> <tr> <td>Broad-leaved Dock (<i>Rumex obtusifolius</i>)</td><td>Locally frequent</td></tr> <tr> <td>Common mouse-ear (<i>Cerastium fontanum</i>)</td><td>Occasional</td></tr> <tr> <td>Creeping thistle (<i>Cirsium arvense</i>)</td><td>Occasional</td></tr> <tr> <td>Meadow buttercup (<i>Ranunculus acris</i>)</td><td>Frequent</td></tr> <tr> <td>Meadow foxtail <i>Alopecurus pratensis</i></td><td>Occasional</td></tr> <tr> <td>Perennial rye-grass (<i>Lolium perenne</i>)</td><td>Abundant</td></tr> <tr> <td>Yorkshire-fog (<i>Holcus lanatus</i>)</td><td>Locally frequent</td></tr> </table>	Broad-leaved Dock ( <i>Rumex obtusifolius</i> )	Locally frequent	Common mouse-ear ( <i>Cerastium fontanum</i> )	Occasional	Creeping thistle ( <i>Cirsium arvense</i> )	Occasional	Meadow buttercup ( <i>Ranunculus acris</i> )	Frequent	Meadow foxtail <i>Alopecurus pratensis</i>	Occasional	Perennial rye-grass ( <i>Lolium perenne</i> )	Abundant	Yorkshire-fog ( <i>Holcus lanatus</i> )	Locally frequent											
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<p><b>TN 11 - Modified Grassland</b> <b>Lawn around the cottages</b></p> <table> <tr> <td>American willowherb (<i>Epilobium ciliatum</i>)</td><td>Occasional</td></tr> <tr> <td>Creeping buttercup (<i>Ranunculus repens</i>)</td><td>Abundant</td></tr> <tr> <td>Common sunflower (<i>Helianthus annuus</i>)</td><td>Locally frequent</td></tr> <tr> <td>Daisy (<i>Bellis perennis</i>)</td><td>Frequent</td></tr> <tr> <td>typoDandelion (<i>Taraxacum</i> agg. )</td><td>Occasional</td></tr> <tr> <td>Field forget-me-not <i>Myosotis arvensis</i></td><td>Occasional</td></tr> <tr> <td>Perennial rye-grass (<i>Lolium perenne</i>)</td><td>Abundant</td></tr> <tr> <td>Prickly sowthistle <i>Sonchus asper</i></td><td>Occasional</td></tr> <tr> <td>Ribwort plantain (<i>Plantago lanceolata</i>)</td><td>Occasional</td></tr> <tr> <td>Spear thistle (<i>Cirsium vulgare</i>)</td><td>Occasional</td></tr> <tr> <td>White clover (<i>Trifolium repens</i>)</td><td>Abundant</td></tr> <tr> <td>Yorkshire-fog (<i>Holcus lanatus</i>)</td><td>Occasional</td></tr> </table>	American willowherb ( <i>Epilobium ciliatum</i> )	Occasional	Creeping buttercup ( <i>Ranunculus repens</i> )	Abundant	Common sunflower ( <i>Helianthus annuus</i> )	Locally frequent	Daisy ( <i>Bellis perennis</i> )	Frequent	typoDandelion ( <i>Taraxacum</i> agg. )	Occasional	Field forget-me-not <i>Myosotis arvensis</i>	Occasional	Perennial rye-grass ( <i>Lolium perenne</i> )	Abundant	Prickly sowthistle <i>Sonchus asper</i>	Occasional	Ribwort plantain ( <i>Plantago lanceolata</i> )	Occasional	Spear thistle ( <i>Cirsium vulgare</i> )	Occasional	White clover ( <i>Trifolium repens</i> )	Abundant	Yorkshire-fog ( <i>Holcus lanatus</i> )	Occasional	
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Yorkshire-fog ( <i>Holcus lanatus</i> )	Occasional																								



## TARGET NOTE

### TN 12 – Modified Grassland Lawn in front of the house

Chickweed ( <i>Stellaria media</i> )	Occasional
Cock's-foot ( <i>Dactylis glomerata</i> )	Frequent
Common nettle ( <i>Urtica dioica</i> )	Occasional
Creeping buttercup ( <i>Ranunculus repens</i> )	Frequent
Crested dog's tail ( <i>Cynosurus cristatus</i> )	Frequent
Perennial rye-grass ( <i>Lolium perenne</i> )	Abundant
Spear thistle ( <i>Cirsium vulgare</i> )	Occasional
White clover ( <i>Trifolium repens</i> )	Abundant

## PHOTOGRAPH



## TARGET NOTE

### TN13 – Other Broadleaved Woodland



Other broadleaved woodland surrounding the main house.



Ash ( <i>Fraxinus excelsior</i> )	Occasional
Beech ( <i>Fagus sylvatica</i> )	Frequent
Elm ( <i>Ulmus sp.</i> )	Occasional
Hawthorn ( <i>Crataegus monogyna</i> )	Occasional
Hazel <i>Corylus avellana</i>	Frequent
Holly ( <i>Ilex aquifolium</i> )	Occasional
Horse-chestnut ( <i>Aesculus hippocastanum</i> )	Occasional
Laburnum ( <i>Laburnum anagyroides</i> )	Frequent
Sycamore ( <i>Acer pseudoplatanus</i> )	Abundant
Wych elm ( <i>Ulmus glabra</i> )	Frequent
American willowherb ( <i>Epilobium ciliatum</i> )	Occasional
Chickweed ( <i>Stellaria media</i> )	Occasional
Common ivy ( <i>Hedera helix</i> )	Locally abundant
Common nettle ( <i>Urtica dioica</i> )	Abundant
Creeping buttercup ( <i>Ranunculus repens</i> )	Abundant
<b>Crested dog's tail</b> ( <i>Cynosurus cristatus</i> )	Occasional
Dock ( <i>Rumex sp.</i> )	Frequent
Elder ( <i>Sambucus nigra</i> )	Locally frequent
Meadow grass ( <i>Poa sp.</i> )	Abundant
Scentless mayweed ( <i>Tripleurospermum inodorum</i> )	Occasional
White dead-nettle <i>Lamium album</i>	Frequent
Yorkshire-fog ( <i>Holcus lanatus</i> )	Abundant




## PHOTOGRAPH









TARGET NOTE	PHOTOGRAPH
<p><b>TN14 – Other Broadleaved Woodland</b> <b>Other broadleaved woodland on a deep gorge</b></p> <p>Ash (<i>Fraxinus excelsior</i>) Occasional Lime (<i>Tilia sp</i>) Occasional Oak (<i>Quercus sp.</i>) Abundant</p>	
<p><b>TN15 – Other Broadleaved Woodland</b> <b>Recently planted other broadleaved</b></p> <p>Aspen (<i>Populus tremula</i>) Occasional Rowan (<i>Sorbus aucuparia</i>) Abundant Silver birch (<i>Betula pendula</i>) Abundant</p>	

TARGET NOTE	PHOTOGRAPH																								
<p><b>TN16 – Other woodland; mixed</b>  <b>Recently planted other mixed woodland</b></p> <table> <tr><td>Apple (<i>Malus sp.</i>)</td><td>Frequent</td></tr> <tr><td>Pedunculate oak (<i>Quercus robur</i>)</td><td>Occasional</td></tr> <tr><td>Rowan (<i>Sorbus aucuparia</i>)</td><td>Abundant</td></tr> <tr><td>Scot's pine (<i>Pinus sylvestris</i>)</td><td>Abundant</td></tr> <tr><td>Silver birch (<i>Betula pendula</i>)</td><td>Frequent</td></tr> <tr><td>Cock's-foot (<i>Dactylis glomerata</i>)</td><td>Frequent</td></tr> <tr><td>Common nettle (<i>Urtica dioica</i>)</td><td>Abundant</td></tr> <tr><td>Dock (<i>Rumex sp.</i>)</td><td>Frequent</td></tr> <tr><td>False oat-grass (<i>Arrhenatherum elatius</i>)</td><td>Abundant</td></tr> <tr><td>Perennial rye-grass (<i>Lolium perenne</i>)</td><td>Frequent</td></tr> <tr><td>Pineappleweed (<i>Matricaria discoidea</i>)</td><td>Occasional</td></tr> <tr><td>Yorkshire-fog (<i>Holcus lanatus</i>)</td><td>Frequent</td></tr> </table>	Apple ( <i>Malus sp.</i> )	Frequent	Pedunculate oak ( <i>Quercus robur</i> )	Occasional	Rowan ( <i>Sorbus aucuparia</i> )	Abundant	Scot's pine ( <i>Pinus sylvestris</i> )	Abundant	Silver birch ( <i>Betula pendula</i> )	Frequent	Cock's-foot ( <i>Dactylis glomerata</i> )	Frequent	Common nettle ( <i>Urtica dioica</i> )	Abundant	Dock ( <i>Rumex sp.</i> )	Frequent	False oat-grass ( <i>Arrhenatherum elatius</i> )	Abundant	Perennial rye-grass ( <i>Lolium perenne</i> )	Frequent	Pineappleweed ( <i>Matricaria discoidea</i> )	Occasional	Yorkshire-fog ( <i>Holcus lanatus</i> )	Frequent	
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Yorkshire-fog ( <i>Holcus lanatus</i> )	Frequent																								
<p><b>TN17 - Other woodland; mixed (Line of trees)</b></p> <table> <tr><td>Larch (<i>Larix sp.</i>)</td><td>Abundant</td></tr> <tr><td>Rowan (<i>Sorbus aucuparia</i>)</td><td>Occasional</td></tr> <tr><td>Scot's pine (<i>Pinus sylvestris</i>)</td><td>Frequent</td></tr> <tr><td>Silver birch (<i>Betula pendula</i>)</td><td>Abundant</td></tr> <tr><td>Bracken (<i>Pteridium aquilinum</i>)</td><td>Abundant</td></tr> <tr><td>Bramble (<i>Rubus fruticosus</i>)</td><td>Abundant</td></tr> <tr><td>Common nettle (<i>Urtica dioica</i>)</td><td>Abundant</td></tr> </table>	Larch ( <i>Larix sp.</i> )	Abundant	Rowan ( <i>Sorbus aucuparia</i> )	Occasional	Scot's pine ( <i>Pinus sylvestris</i> )	Frequent	Silver birch ( <i>Betula pendula</i> )	Abundant	Bracken ( <i>Pteridium aquilinum</i> )	Abundant	Bramble ( <i>Rubus fruticosus</i> )	Abundant	Common nettle ( <i>Urtica dioica</i> )	Abundant											
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TARGET NOTE	PHOTOGRAPH												
<p><b>TN 18 - Other coniferous woodland</b></p> <table> <tr> <td>Scot's pine (<i>Pinus sylvestris</i>)</td><td>Dominant</td></tr> <tr> <td>Sitka spruce (<i>Picea sitchensis</i>)</td><td>Abundant</td></tr> <tr> <td>Gorse (<i>Ulex europaeus</i>)</td><td>Abundant</td></tr> <tr> <td>Cock's-foot (<i>Dactylis glomerata</i>)</td><td>Frequent</td></tr> <tr> <td>Common nettle (<i>Urtica dioica</i>)</td><td>Abundant</td></tr> </table>	Scot's pine ( <i>Pinus sylvestris</i> )	Dominant	Sitka spruce ( <i>Picea sitchensis</i> )	Abundant	Gorse ( <i>Ulex europaeus</i> )	Abundant	Cock's-foot ( <i>Dactylis glomerata</i> )	Frequent	Common nettle ( <i>Urtica dioica</i> )	Abundant			
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<p><b>TN 19 - Native hedgerow</b>  <b>Native hedgerow with trees, partially defunct, approximately 2m wide and 2m tall. The trees are veteran hawthorns approximately 3-7m tall.</b></p> <table> <tr> <td>Elder (<i>Sambucus nigra</i>)</td><td>Frequent</td></tr> <tr> <td>Hawthorn (<i>Crataegus monogyna</i>)</td><td>Abundant</td></tr> <tr> <td>Common nettle (<i>Urtica dioica</i>)</td><td>Abundant</td></tr> <tr> <td>Perennial rye-grass (<i>Lolium perenne</i>)</td><td>Abundant</td></tr> </table>	Elder ( <i>Sambucus nigra</i> )	Frequent	Hawthorn ( <i>Crataegus monogyna</i> )	Abundant	Common nettle ( <i>Urtica dioica</i> )	Abundant	Perennial rye-grass ( <i>Lolium perenne</i> )	Abundant					
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<p><b>TN 20 - Native hedgerow</b></p> <table> <tr> <td>Broom (<i>Cytisus scoparius</i>)</td><td>Occasional</td></tr> <tr> <td>Elder (<i>Sambucus nigra</i>)</td><td>Abundant</td></tr> <tr> <td>Hawthorn (<i>Crataegus monogyna</i>)</td><td>Occasional</td></tr> <tr> <td>Common nettle (<i>Urtica dioica</i>)</td><td>Frequent</td></tr> <tr> <td>Creeping thistle (<i>Cirsium arvense</i>)</td><td>Frequent</td></tr> <tr> <td>False oat-grass (<i>Arrhenatherum elatius</i>)</td><td>Abundant</td></tr> </table>	Broom ( <i>Cytisus scoparius</i> )	Occasional	Elder ( <i>Sambucus nigra</i> )	Abundant	Hawthorn ( <i>Crataegus monogyna</i> )	Occasional	Common nettle ( <i>Urtica dioica</i> )	Frequent	Creeping thistle ( <i>Cirsium arvense</i> )	Frequent	False oat-grass ( <i>Arrhenatherum elatius</i> )	Abundant	
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TARGET NOTE	PHOTOGRAPH																										
<p><b>TN 21 - Native hedgerow</b></p> <p><b>Native hedgerow approximately 2m tall 1m wide</b></p> <table> <tr> <td>Blackthorn (<i>Prunus spinosa</i>)</td><td>Frequent</td></tr> <tr> <td>Field maple (<i>Acer campestre</i>)</td><td>Frequent</td></tr> <tr> <td>Hawthorn (<i>Crataegus monogyna</i>)</td><td>Abundant</td></tr> <tr> <td>Cock's-foot (<i>Dactylis glomerata</i>)</td><td>Frequent</td></tr> <tr> <td>Common nettle (<i>Urtica dioica</i>)</td><td>Abundant</td></tr> <tr> <td>Cow parsley (<i>Anthriscus sylvestris</i>)</td><td>Frequent</td></tr> <tr> <td>Hogweed (<i>Heracleum sphondylium</i>)</td><td>Frequent</td></tr> </table>	Blackthorn ( <i>Prunus spinosa</i> )	Frequent	Field maple ( <i>Acer campestre</i> )	Frequent	Hawthorn ( <i>Crataegus monogyna</i> )	Abundant	Cock's-foot ( <i>Dactylis glomerata</i> )	Frequent	Common nettle ( <i>Urtica dioica</i> )	Abundant	Cow parsley ( <i>Anthriscus sylvestris</i> )	Frequent	Hogweed ( <i>Heracleum sphondylium</i> )	Frequent													
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Cow parsley ( <i>Anthriscus sylvestris</i> )	Frequent																										
Hogweed ( <i>Heracleum sphondylium</i> )	Frequent																										
<p><b>TN 22 – Native Hedgerow</b></p> <p><b>Native hedgerow with trees approximately 2m wide and 1m tall. The trees are veteran hawthorns approximately 3-7m tall. The hedgerows were partially defunct and some trees have been newly planted.</b></p> <table> <tr> <td>Alder (<i>Alnus glutinosa</i>)</td><td>Frequent</td></tr> <tr> <td>Blackthorn (<i>Prunus spinosa</i>)</td><td>Frequent</td></tr> <tr> <td>Dewberry (<i>Rubus caesius</i>)</td><td>Occasional</td></tr> <tr> <td>Gorse (<i>Ulex europaeus</i>)</td><td>Occasional</td></tr> <tr> <td>Hawthorn (<i>Crataegus monogyna</i>)</td><td>Abundant</td></tr> <tr> <td>Cock's-foot (<i>Dactylis glomerata</i>)</td><td>Frequent</td></tr> <tr> <td>Common nettle (<i>Urtica dioica</i>)</td><td>Abundant</td></tr> <tr> <td>Creeping thistle (<i>Cirsium arvense</i>)</td><td>Abundant</td></tr> <tr> <td>Dock (<i>Rumex sp.</i>)</td><td>Frequent</td></tr> <tr> <td>False oat-grass (<i>Arrhenatherum elatius</i>)</td><td>Abundant</td></tr> <tr> <td>Perennial rye-grass (<i>Lolium perenne</i>)</td><td>Abundant</td></tr> <tr> <td>Spear thistle (<i>Cirsium vulgare</i>)</td><td>Occasional</td></tr> <tr> <td>Yorkshire-fog (<i>Holcus lanatus</i>)</td><td>Frequent</td></tr> </table>	Alder ( <i>Alnus glutinosa</i> )	Frequent	Blackthorn ( <i>Prunus spinosa</i> )	Frequent	Dewberry ( <i>Rubus caesius</i> )	Occasional	Gorse ( <i>Ulex europaeus</i> )	Occasional	Hawthorn ( <i>Crataegus monogyna</i> )	Abundant	Cock's-foot ( <i>Dactylis glomerata</i> )	Frequent	Common nettle ( <i>Urtica dioica</i> )	Abundant	Creeping thistle ( <i>Cirsium arvense</i> )	Abundant	Dock ( <i>Rumex sp.</i> )	Frequent	False oat-grass ( <i>Arrhenatherum elatius</i> )	Abundant	Perennial rye-grass ( <i>Lolium perenne</i> )	Abundant	Spear thistle ( <i>Cirsium vulgare</i> )	Occasional	Yorkshire-fog ( <i>Holcus lanatus</i> )	Frequent	
Alder ( <i>Alnus glutinosa</i> )	Frequent																										
Blackthorn ( <i>Prunus spinosa</i> )	Frequent																										
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Yorkshire-fog ( <i>Holcus lanatus</i> )	Frequent																										

TARGET NOTE	PHOTOGRAPH																				
<p><b>TN23 - Native hedgerow</b>  <b>Double hedgerow with trees approximately 2m wide 2m tall.</b>  <b>The trees are veteran hawthorns approximately 3-5m tall.</b>  <b>A ditch was also present between double hedge one side is defunct.</b></p> <table> <tr> <td>Gorse (<i>Ulex europaeus</i>)</td><td>Frequent</td></tr> <tr> <td>Elder (<i>Sambucus nigra</i>)</td><td>Occasional</td></tr> <tr> <td>Dog-rose (<i>Rosa canina</i>)</td><td>Occasional</td></tr> <tr> <td>Hawthorn (<i>Crataegus monogyna</i>)</td><td>Abundant</td></tr> <tr> <td>Bramble (<i>Rubus fruticosus</i>)</td><td>Frequent</td></tr> <tr> <td>Common nettle (<i>Urtica dioica</i>)</td><td>Abundant</td></tr> <tr> <td>Creeping thistle (<i>Cirsium arvense</i>)</td><td>Frequent</td></tr> <tr> <td>Dock (<i>Rumex sp.</i>)</td><td>Frequent</td></tr> <tr> <td>False oat-grass (<i>Arrhenatherum elatius</i>)</td><td>Occasional</td></tr> <tr> <td>Hogweed (<i>Heracleum sphondylium</i>)</td><td>Abundant</td></tr> </table>	Gorse ( <i>Ulex europaeus</i> )	Frequent	Elder ( <i>Sambucus nigra</i> )	Occasional	Dog-rose ( <i>Rosa canina</i> )	Occasional	Hawthorn ( <i>Crataegus monogyna</i> )	Abundant	Bramble ( <i>Rubus fruticosus</i> )	Frequent	Common nettle ( <i>Urtica dioica</i> )	Abundant	Creeping thistle ( <i>Cirsium arvense</i> )	Frequent	Dock ( <i>Rumex sp.</i> )	Frequent	False oat-grass ( <i>Arrhenatherum elatius</i> )	Occasional	Hogweed ( <i>Heracleum sphondylium</i> )	Abundant	
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Hogweed ( <i>Heracleum sphondylium</i> )	Abundant																				
<p><b>TN 24 – Native Hedgerow</b>  <b>Native hedgerow between farmyard approximately 3m tall and 1m wide.</b></p> <table> <tr> <td>Hawthorn (<i>Crataegus monogyna</i>)</td><td>Abundant</td></tr> <tr> <td>Willow (<i>Salix sp.</i>)</td><td>Abundant</td></tr> </table>	Hawthorn ( <i>Crataegus monogyna</i> )	Abundant	Willow ( <i>Salix sp.</i> )	Abundant																	
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## TARGET NOTE

### TN25 – Native Hedgerow

Native hedgerow with trees 5m h 1m wide.

Ash (*Fraxinus excelsior*)

Occasional

Beech (*Fagus sylvatica*)

Abundant

Elder (*Sambucus nigra*)

Occasional

Holly (*Ilex aquifolium*)

Occasional

Snowberry (*Symphoricarpos albus*)

Occasional

Sycamore (*Acer pseudoplatanus*)

Occasional

Wych elm (*Ulmus glabra*)

Occasional

## PHOTOGRAPH



### TN 26 – Species Rich Native Hedgerow

Native hedgerow 2m tall 1 m wide gap for gate

Alder (*Alnus glutinosa*)

Abundant

Blackthorn (*Prunus spinosa*)

Abundant

Dewberry (*Rubus caesius*)

Frequent



Field maple (*Acer campestre*)

Abundant



Hawthorn (*Crataegus monogyna*)

Abundant



TARGET NOTE	PHOTOGRAPH
<p><b>TN 27- Native hedgerow</b>  <b>Native hedgerow approximately 2m tall 1m wide</b></p> <p>Alder (<i>Alnus glutinosa</i>) Abundant  Blackthorn (<i>Prunus spinosa</i>) Abundant  Field maple (<i>Acer campestre</i>) Abundant  Hawthorn (<i>Crataegus monogyna</i>) Abundant</p> <p>Common nettle (<i>Urtica dioica</i>) Abundant  Hogweed (<i>Heracleum sphondylium</i>) Abundant</p>	
<p><b>TN 28 - Blackthorn scrub</b>  <b>Blackthorn and gorse scrub in dry ditch adjacent to pasture, cattle grazed</b></p> <p>Blackthorn (<i>Prunus spinosa</i>) Abundant  Gorse (<i>Ulex europaeus</i>) Frequent  Hawthorn (<i>Crataegus monogyna</i>) Frequent</p>	



TARGET NOTE	PHOTOGRAPH																								
<p><b>TN 29 - Gorse scrub</b></p> <table> <tr><td>Ash (<i>Fraxinus excelsior</i>)</td><td>Frequent</td></tr> <tr><td>Bracken <i>Pteridium aquilinum</i></td><td>Abundant</td></tr> <tr><td>Bramble (<i>Rubus fruticosus</i>)</td><td>Frequent</td></tr> <tr><td>Broom (<i>Cytisus scoparius</i>)</td><td>Frequent</td></tr> <tr><td>Common nettle (<i>Urtica dioica</i>)</td><td>Frequent</td></tr> <tr><td>Creeping thistle (<i>Cirsium arvense</i>)</td><td>Frequent</td></tr> <tr><td>Elder (<i>Sambucus nigra</i>)</td><td>Frequent</td></tr> <tr><td>Elm (<i>Ulmus sp.</i>)</td><td>Occasional</td></tr> <tr><td>Foxglove (<i>Digitalis purpurea</i>)</td><td>Frequent</td></tr> <tr><td>Gorse (<i>Ulex europaeus</i>)</td><td>Abundant</td></tr> <tr><td>Hawthorn (<i>Crataegus monogyna</i>)</td><td>Frequent</td></tr> <tr><td>Rosebay willowherb (<i>Chamerion angustifolium</i>)</td><td>Locally abundant</td></tr> </table>	Ash ( <i>Fraxinus excelsior</i> )	Frequent	Bracken <i>Pteridium aquilinum</i>	Abundant	Bramble ( <i>Rubus fruticosus</i> )	Frequent	Broom ( <i>Cytisus scoparius</i> )	Frequent	Common nettle ( <i>Urtica dioica</i> )	Frequent	Creeping thistle ( <i>Cirsium arvense</i> )	Frequent	Elder ( <i>Sambucus nigra</i> )	Frequent	Elm ( <i>Ulmus sp.</i> )	Occasional	Foxglove ( <i>Digitalis purpurea</i> )	Frequent	Gorse ( <i>Ulex europaeus</i> )	Abundant	Hawthorn ( <i>Crataegus monogyna</i> )	Frequent	Rosebay willowherb ( <i>Chamerion angustifolium</i> )	Locally abundant	
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<p><b>TN 30 - Arable field margins</b></p> <table> <tr><td>Cock's-foot (<i>Dactylis glomerata</i>)</td><td>Frequent</td></tr> <tr><td>Common nettle (<i>Urtica dioica</i>)</td><td>Frequent</td></tr> <tr><td>Creeping buttercup (<i>Ranunculus repens</i>)</td><td>Frequent</td></tr> <tr><td>Creeping thistle (<i>Cirsium arvense</i>)</td><td>Occasional</td></tr> <tr><td>Crested dog's tail (<i>Cynosurus cristatus</i>)</td><td>Occasional</td></tr> <tr><td>Dock (<i>Rumex sp.</i>)</td><td>Occasional</td></tr> <tr><td>False oat-grass (<i>Arrhenatherum elatius</i>)</td><td>Occasional</td></tr> <tr><td>Perennial rye-grass (<i>Lolium perenne</i>)</td><td>Abundant</td></tr> <tr><td>Ribwort plantain (<i>Plantago lanceolata</i>)</td><td>Frequent</td></tr> <tr><td>Spear thistle (<i>Cirsium vulgare</i>)</td><td>Occasional</td></tr> <tr><td>White clover (<i>Trifolium repens</i>)</td><td>Frequent</td></tr> </table>	Cock's-foot ( <i>Dactylis glomerata</i> )	Frequent	Common nettle ( <i>Urtica dioica</i> )	Frequent	Creeping buttercup ( <i>Ranunculus repens</i> )	Frequent	Creeping thistle ( <i>Cirsium arvense</i> )	Occasional	Crested dog's tail ( <i>Cynosurus cristatus</i> )	Occasional	Dock ( <i>Rumex sp.</i> )	Occasional	False oat-grass ( <i>Arrhenatherum elatius</i> )	Occasional	Perennial rye-grass ( <i>Lolium perenne</i> )	Abundant	Ribwort plantain ( <i>Plantago lanceolata</i> )	Frequent	Spear thistle ( <i>Cirsium vulgare</i> )	Occasional	White clover ( <i>Trifolium repens</i> )	Frequent			
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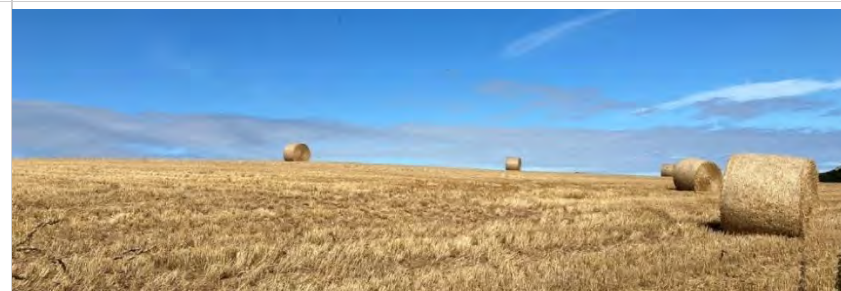
## TARGET NOTE




### TN 31 - Arable field margins Tussocky arable field margin.

Chickweed ( <i>Stellaria media</i> )	Frequent
Cock's-foot ( <i>Dactylis glomerata</i> )	Abundant
Common nettle ( <i>Urtica dioica</i> )	Frequent
Creeping bent ( <i>Agrostis stolonifera</i> )	Occasional
Creeping buttercup ( <i>Ranunculus repens</i> )	Abundant
Creeping thistle ( <i>Cirsium arvense</i> )	Frequent
Dock ( <i>Rumex sp.</i> )	Abundant
Perennial rye-grass ( <i>Lolium perenne</i> )	Abundant
Prickly sowthistle ( <i>Sonchus asper</i> )	Occasional
Scentless mayweed ( <i>Tripleurospermum inodorum</i> )	Occasional
White clover ( <i>Trifolium repens</i> )	Frequent
Yorkshire-fog ( <i>Holcus lanatus</i> )	Frequent

### TN 32 - Winter stubble Harvested and hay field.

## PHOTOGRAPH



TARGET NOTE	PHOTOGRAPH
<p>TN 33 - Non-cereal crops</p>	
<p>TN 34 – Buildings Cottages</p>	
<p>TN 35 – Building Main House</p>	

## TARGET NOTE

## PHOTOGRAPH

TN 36 – Building  
Farm buildings



TN 37 – Buildings  
Small shed





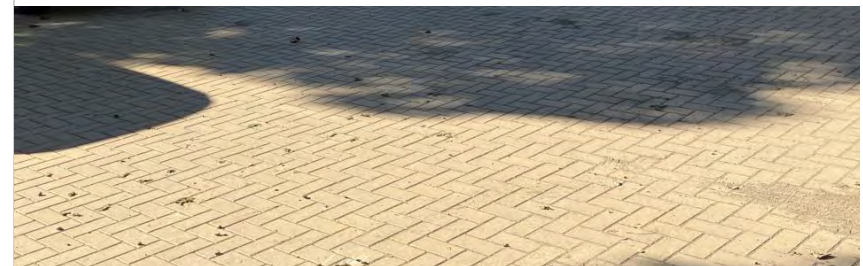
## TARGET NOTE

## PHOTOGRAPH

TN38 – Building






TN 39 – Developed sealed surface  
Developed sealed surface used for parking next to the main house



TN 40– Developed sealed surface  
Road



TARGET NOTE	PHOTOGRAPH																		
<p><b>TN 41 - Artificial unvegetated, unsealed surface</b>  <b>Artificial unvegetated, unsealed surface in the form of track</b></p>																			
<p><b>TN 42 - Artificial unvegetated, unsealed surface</b>  <b>Artificial unvegetated, unsealed surface in the form of gravel surrounding the main house.</b></p>																			
<p><b>TN 43 - Sparsely vegetated urban land</b>  <b>Sparsely vegetated urban land on the farmyard.</b></p> <table> <tr> <td>Common mouse-ear (<i>Cerastium fontanum</i>)</td><td>Occasional</td></tr> <tr> <td>Creeping thistle (<i>Cirsium arvense</i>)</td><td>Occasional</td></tr> <tr> <td>Perennial rye-grass (<i>Lolium perenne</i>)</td><td>Frequent</td></tr> <tr> <td>Pineappleweed (<i>Matricaria discoidea</i>)</td><td>Frequent</td></tr> <tr> <td>Ribwort plantain (<i>Plantago lanceolata</i>)</td><td>Occasional</td></tr> <tr> <td>Dock (<i>Rumex sp.</i>)</td><td>Frequent</td></tr> <tr> <td>Prickly sowthistle <i>Sonchus asper</i></td><td>Occasional</td></tr> <tr> <td>White clover (<i>Trifolium repens</i>)</td><td>Frequent</td></tr> <tr> <td>Scentless mayweed (<i>Tripleurospermum inodorum</i>)</td><td>Occasional</td></tr> </table>	Common mouse-ear ( <i>Cerastium fontanum</i> )	Occasional	Creeping thistle ( <i>Cirsium arvense</i> )	Occasional	Perennial rye-grass ( <i>Lolium perenne</i> )	Frequent	Pineappleweed ( <i>Matricaria discoidea</i> )	Frequent	Ribwort plantain ( <i>Plantago lanceolata</i> )	Occasional	Dock ( <i>Rumex sp.</i> )	Frequent	Prickly sowthistle <i>Sonchus asper</i>	Occasional	White clover ( <i>Trifolium repens</i> )	Frequent	Scentless mayweed ( <i>Tripleurospermum inodorum</i> )	Occasional	
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Scentless mayweed ( <i>Tripleurospermum inodorum</i> )	Occasional																		

**TARGET NOTE**

**PHOTOGRAPH**

**TN 44 - Eutrophic standing waters**  
**A pond present on the centre of site with a small cluster of goat willow present on the south shore.**

Bulrush ( <i>Typha latifolia</i> )	Frequent
Goat willow ( <i>Salix caprea</i> )	Locally abundant
Iris ( <i>Iris sp.</i> )	Occasional
Soft rush ( <i>Juncus effusus</i> )	Abundant

