



# Llandyfaelog Substation Habitats and Designated Sites Report

On behalf of **National Grid**  
**nationalgrid**



# **Habitats and Designated Sites Report**

Llandyfaelog

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## Habitats and Designated Sites Report

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## Habitats and Designated Sites Report

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## Executive Summary

Stantec UK Ltd. was commissioned by National Grid Electricity Transmission to assess habitats and designated sites within the Zone of Influence of proposed Llandyfaelog substation site in Carmarthenshire. The purpose of the report is to inform the Ecological Impact Assessment for the development. The assessment aimed to identify designated sites, Habitats of Principal Importance (HPIs), ancient woodland, invasive non-native species (INNS), and notable or protected plant species, as well as to classify and evaluate the condition of habitats within the survey area.

A desk study was undertaken using data from the West Wales Biodiversity Information Centre (WWBIC), Magic Maps, DataMapWales, and other online resources. The search radius varied depending on the ecological feature, ranging from the survey area for Priority Ecological Networks<sup>1</sup> to 10 km for internationally designated sites.

Field surveys were conducted in May and June 2025 using the UK Habitat Classification (UKHab) methodology (version 2.0). Habitats were mapped using GIS and assessed for ecological condition based on Defra's 2024 criteria. The presence of indicator plant species were recorded using the DAFOR scale. Limitations included seasonal visibility of some species and recent cutting of vegetation in certain fields, although these weren't deemed significant limitations to the assessment.

The desk study identified four internationally designated sites and two nationally designated sites within the search area. Of these, Carmarthen Bay and Estuaries SAC, River Tywi SAC, and Afon Tywi SSSI are considered potentially sensitive to indirect impacts from the proposed development due to hydrological connectivity. Ancient semi-natural woodland and purple moor grass and rush pastures were identified within the Site and are at risk of direct impacts. The desk study also identified five INNS, one protected plant species (bluebell, *Hyacinthoides non-scripta*), and one notable plant species (northern yellow-cress, *Rorippa islandica*) within 2 km of the survey area.

Field surveys recorded a diverse range of habitats, including modified grassland, neutral grassland, purple moor grass and rush pastures, lowland mixed deciduous woodland, wet woodland, scrub, hedgerows, and ditches. Of these, purple moor grass and rush pastures, lowland mixed deciduous woodland, and native hedgerows meet the criteria for HPIs. Habitat condition varied from poor to good. Japanese rose *Rosa rugosa*, an INNS, was recorded within the survey area.

The proposed development has the potential to affect designated sites and HPIs through both direct and indirect impacts. Mitigation and precautionary measures should be considered to safeguard these ecological features and ensure compliance with relevant legislation, including the Environment (Wales) Act 2016 and the Conservation of Habitats and Species Regulations 2017 (as amended).

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<sup>1</sup> Priority Ecological Networks (PENs) in the terrestrial environment are versions of the all-Wales habitat networks that show areas of connectivity between Protected Sites, and as such provide a framework to inform the location of action to build functional resilient ecological networks based on our most important places for biodiversity.



# 1 Introduction

## 1.1 Overview

- 1.1.1 Stantec UK Ltd. was instructed by National Grid Electrical Transmission to undertake a UK Habitat Classification (UKHab) survey of land at Llandyfaelog, Carmarthenshire (Ordnance Survey grid reference SN 419 132) (hereafter referred to as 'the Site').
- 1.1.2 The purpose of this report is to inform an Ecological Impact Assessment of proposals to construct a new substation and associated infrastructure.

## 1.2 The Site and Survey Area

- 1.2.1 The Site for the proposed Llandyfaelog substation comprises agricultural grassland fields bound by hedgerows with an area of ancient woodland to the south of the Site.
- 1.2.2 The Survey Area for the field surveys encompassed the Site, as well as the wider area assessed to inform the Environmental Impact Assessment Screening (Stantec 2025). In addition to agricultural grassland field the Survey Area comprises marshy ground to the west and an area of immature plantation forestry in the south-west. The Survey Area is bordered to the north by the C2074, to the west by the A484, the Crugan Fawr Road and farm tracks to the south, and by open countryside to the east. A tributary of the Gwendraeth Fach runs through woodland along part of the eastern boundary and the headwaters of a stream (Nant Morlais) run from the centre of the Survey Area in the form of drainage ditches.
- 1.2.3 Appendix A, Figure 1 shows the boundaries of the Site and the Survey Area.

## 1.3 Proposed Development

- 1.3.1 The proposed development is comprised of the following principal elements:
- Construction of a single level platform (260 metres (m) by 640 m) on which an Air Insulated Substation (AIS) is sited measuring 155 m by 602 m.
  - Bellmouth access to the A484 with an operational access road to connect the platform to the A484.
  - Modification works to the existing 400kV Overhead Line (OHL) to connect the substation to the existing OHL involving the installation of two new towers (pylons) and one replacement tower (pylon) circa 18 m and 62 m.
  - Associated drainage, and hard and soft landscaping.

## 1.4 Legislation

- 1.4.1 Habitats and plant species receive protection under the following legislation:
- Conservation of Habitats and Species Regulations 2017 (as amended);
  - Wildlife and Countryside Act 1981 (as amended);
  - Environment (Wales) Act 2016; and
  - The Invasive Alien Species (Enforcement and Permitting) Order 2019.
- 1.4.2 Please see Appendix B for a summary of the protection habitats and plant species receives under this legislation.



### 1.5 Aims and Objectives

1.5.1 The aims and objectives of the Habitat and Designated Sites Report are to:

- undertake a desk study to identify sites designated for nature conservation, ancient woodland, Habitats of Principal Importance (HPIs), protected and notable plant species and invasive non-native plant species within the Zone of Influence (Zoi);
- classify and map the habitats and indicator plant species within the Survey Area using UKHab; and
- assess the apparent ecological condition of the habitats.





## 2 Methods

2.1.1 This report has been produced with reference to BS 42020:2013 Biodiversity - Code of Practice for Planning, Guidelines for Preliminary Ecological Appraisal (Chartered Institute of Ecology and Environmental Management (CIEEM), 2017a) and with CIEEM Report Writing Guidelines (CIEEM, 2017b).

### 2.2 Desk Study

2.2.1 An ecological desk study was undertaken to obtain information relating to designated sites and habitats or habitat areas of conservation importance.

2.2.2 The Guidelines for Preliminary Ecological Appraisal (CIEEM, 2017) do not include prescriptions for desk study search areas; however, it is advised that study areas should be based on professional judgement and that 1-2 kilometres (km) from a proposed development site are usually of greatest relevance for most studies. Therefore, considering the extent and nature of the proposals for the Site, the potential value of a feature, and the mobility of species, the desk study search area encompassed the Site and surrounding buffer zones.

2.2.3 The desk study involved a search of online resources in July 2025 and West Wales Biodiversity Information Centre (WWBIC) were contacted in May 2025 for biological records within 2 km of the Survey Area. Records of plant species were filtered for records within the past 10 years.

2.2.4 A list of those accessed or consulted and search radius are shown in Table 2-1.

Table 2-1: Summary of Desk Study Information and Search Radius

Record Type	Search radius (km)	Source(s)
Internationally designated statutory sites (Special Areas of Conservation (SACs), Special Protection Area (SPAs) and Ramsar sites)	10	Multi-Agency Geographic Information for the Countryside (MAGIC) Citations: Natural Resources Wales Site Designations <sup>2</sup> :
Nationally designated statutory sites (Site of Special Scientific Interest (SSSIs) and National Nature Reserves (NNRs))	2	
Local wildlife sites (Local Nature Reserves (LNRs) and Sites of Interest for Nature Conservation (SINCs))	2	WWBIC and Natural Resources Wales via DataMapWales (Local Nature Reserves) <sup>3</sup>
Habitats of Principal Importance	2	WWBIC and DataMapWales <sup>4</sup>
Ancient woodland	2	WWBIC and DataMapWales <sup>5</sup>
Invasive non-native plants	2	WWBIC
Notable/ protected plants	2	WWBIC

<sup>2</sup> <https://naturalresources.wales/guidance-and-advice/environmental-topics/wildlife-and-biodiversity/protected-areas-of-land-and-seas/find-protected-areas-of-land-and-sea/?lang=en>

<sup>3</sup> [https://datamap.gov.wales/maps/new?layer=inspire-nrw:NRW\\_LNR#/](https://datamap.gov.wales/maps/new?layer=inspire-nrw:NRW_LNR#/)

<sup>4</sup> [https://datamap.gov.wales/maps/new?layergroup=geonode:nrw\\_terrestrial\\_sections\\_7\\_habitats#/](https://datamap.gov.wales/maps/new?layergroup=geonode:nrw_terrestrial_sections_7_habitats#/)

<sup>5</sup> [https://datamap.gov.wales/maps/new?layer=inspire-nrw:NRW\\_ANCIENT\\_WOODLAND\\_INVENTORY\\_2021#/](https://datamap.gov.wales/maps/new?layer=inspire-nrw:NRW_ANCIENT_WOODLAND_INVENTORY_2021#/)



Record Type	Search radius (km)	Source(s)
Priority Ecological Networks <sup>6</sup>	The Survey Area only	DataMapWales <sup>7</sup>

### 2.3 UK Habitat Classification and Condition Survey

- 2.3.1 A habitat survey was undertaken within the Survey Area on 19-21 May and 2-3 June 2025 by a FISC level 4 Ecologist.
- 2.3.2 The survey was undertaken in accordance with the UK Habitat Classification methodology version 2.0 (UKHab Ltd, 2023), which is a comprehensive approach to surveying and classifying habitats. The UK Habitat Classifications are recorded with primary codes provided in brackets after the main habitat type (for example, Lowland Mixed Deciduous Woodland [w1f]), followed by any number of secondary codes that provide further detail relating to the habitat composition / mosaic, origins and management (for example, Scattered Trees (32), Tall forbs (16) etc.).
- 2.3.3 During the survey, each habitat or habitat mosaic (as appropriate) within the survey area was classified in accordance with the UK Habitat Classifications, mapped using a mobile Geographic Information System (GIS) (below), and a description was recorded, including details of component plant species and abundances (assessed using the DAFOR scale<sup>8</sup>).
- 2.3.4 Geographic data was recorded using Coreo (Natural Apptitude) data collection application on a tablet (Samsung Tab Active Pro 4) with built-in Global Positioning System (GPS). Boundaries were pre-digitised using OS Mastermap and features visible on satellite imagery and edited in the field based on physical points of reference on the ground.
- 2.3.5 In addition, the ecological condition of each habitat mapped was assessed in accordance with habitat condition assessment criteria provided in Defra 2024, which considers a variety of qualitative and quantitative ecological features, including the extent of a habitat area, species composition and abundance, and signs of physical damage.

### 2.4 Limitations

- 2.4.1 A summary of the limitations of the method, and implications of these, are provided below. Where the implications have been assessed elsewhere in this report, reference to the relevant section of the report is provided.

#### Desk Study

- 2.4.2 The accuracy of data held by consultees varies due to the quality and scale that they were digitised to, the supporting information used to define locations/boundaries, and the sensitivity of the data itself.
- 2.4.3 In addition, the data held by consultees may not be exhaustive. The absence of records does not necessarily indicate the absence of a species/habitat from an area but rather that these have not been recorded or are perhaps under-recorded in the area. Therefore, when assessing the potential value of the area for notable species and habitats, the desk study data has been considered as evidence of potential presence only.

<sup>6</sup> Priority Ecological Networks (PENs) in the terrestrial environment are versions of the all-Wales habitat networks that show areas of connectivity between Protected Sites, and as such provide a framework to inform the location of action to build functional resilient ecological networks based on our most important places for biodiversity.

<sup>7</sup> [https://datamap.gov.wales/maps/new?layergroup=geonode:nrw\\_priority\\_ecological\\_networks#/](https://datamap.gov.wales/maps/new?layergroup=geonode:nrw_priority_ecological_networks#/)

<sup>8</sup> D = Dominant, A = Abundant, F = Frequent, O = Occasional, R = Rare



### UKHab Survey

- 2.4.4 Unless otherwise stated the position of habitat recordings have been determined using the in-built positioning technology (GPS, GLONASS, BDS, GALILEO, QZSS) of the Samsung Tab Active Pro 4 with an accuracy of up to 4 metres when not in tree canopy, steep terrain or other enclosed environments.
- 2.4.5 The results of the field surveys are representative at the time of surveying and this is recognised in conclusions drawn.
- 2.4.6 This document does not contain a comprehensive list of botanical species on site, only evident plant species that are characteristic of each habitat, and incidental observations of notable plant species, were recorded. Many plant species are obviously evident only at certain times of the year.
- 2.4.7 Some fields had been cut recently. Because of this, many of the forb species were present only as rosettes or partial plants, and grasses were vegetative only. However, the margins of the fields were left uncut and there was sufficient regrowth to enable confident identification of all species encountered, and the survey is not considered compromised by this limitation. Additionally, some context could be gained from adjacent fields within the same ownership, which often had similar species assemblages due to being managed in the same way.



### 3 Results and Evaluation

#### 3.1 Designated Sites Ancient Woodland and Habitats of Principal Importance

- 3.1.1 Designated sites ancient woodland and HPis identified through the desk study including their distance and connectivity to the Survey Area, description and summary of potential impacts are described in Table 3-1.
- 3.1.2 A summary of the protection afforded to the sites and habitats by legislation and policies is provided at Appendix B.

Table 3-1 Designated Sites and Habitats of Importance

Site name	Distance and Connectivity to the Survey Area	Description	Potential Impacts
<b>Internationally Designated Statutory Sites</b>			
Carmarthen Bay and Estuaries Special Area of Conservation (SAC)	1.4 km west and ecologically connected via ditches and watercourses.	<p>Annex I habitats that are a primary reason for selection of this site are:</p> <ul style="list-style-type: none"> <li>1110 Sandbanks which are slightly covered by sea water all the time,</li> <li>1130 Estuaries,</li> <li>1140 Mudflats and sandflats not covered by seawater at low tide,</li> <li>1160 Large shallow inlets and bays,</li> <li>1310 Salicornia and other annuals colonizing mud and sand and</li> <li>1330 Atlantic salt meadows (<i>Glauco-Puccinellietalia maritima</i>). <p>Annex II species that are a primary reason for selection of this site are: twaite shad <i>Alosa fallax</i>.</p> <p>Annex II species present as a qualifying feature, but not a primary reason for site selection are: sea lamprey <i>Petromyzon marinus</i>, river lamprey <i>Lampetra fluviatilis</i>, allis shad <i>Alosa alosa</i> and otter <i>Lutra lutra</i>.</p> </li></ul>	Yes - due to the hydrological connectivity to this SAC there is potential for the proposed development to impact its designating features through indirect pollution via surface run-off from the Site.
River Tywi SAC	4.3 km north, located upstream of hydrological connections to Survey Area	<p>Annex II species that are a primary reason for selection of this site: twaite shad, otter. The Afon Tywi is one of the best rivers in Wales for otters.</p> <p>Annex II species present as a qualifying feature, but not a primary reason for site selection: sea lamprey, brook lamprey <i>Lampetra planeri</i>, river lamprey, allis shad and bullhead <i>Cottus gobio</i>.</p>	Yes - due to the hydrological connectivity to this SAC there is potential for the proposed development to impact its designating features through indirect pollution via surface run-off from the Site.
Carmarthen Bay Dunes SAC	8.6 south-west	Annex I habitats that are a primary reason for selection of this site are: 2110 Embryonic shifting dunes, 2120 "Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ("white dunes")", 2130 "Fixed coastal dunes with herbaceous vegetation ("grey dunes")", 2170 Dunes with <i>Salix repens</i> ssp. <i>argentea</i>	No - given the distance of this SAC from the Site and the lack of impact pathways no impacts are anticipated.



Site name	Distance and Connectivity to the Survey Area	Description	Potential Impacts
		(Salicion arenariae) and 2190 Humid dune slacks. Annex II species that are a primary reason for selection of this site are: narrow-mouthed whorl snail <i>Vertigo angustior</i> , petalwort <i>Petalophyllum ralfsii</i> and fen orchid <i>Liparis loeselii</i> .	
Carmarthen Bay Special Protection Area (SPA)	9.5 km south-west	Designated for its wintering population of common scoter <i>Melanitta nigra</i> . Classified in June 2003, the SPA was recognised as the UK's first fully marine SPA. Carmarthen Bay regularly supports around 1.1 % of the biogeographic population of common scoter, making it one of the most significant wintering sites for this species in Britain and Ireland.	No - given the distance of this SPA from the Site and the lack of impact pathways no impacts are anticipated.
<b>Nationally Designated Statutory Sites</b>			
Coed Gwempa Site of Special Scientific Interest (SSSI)	0.8 km south-east	A 19-hectare semi-natural woodland, notable for its diverse woodland types and rich ground flora. The site includes oak <i>Quercus robur</i> -bracken <i>Pteridium aquilinum</i> woodland on poorer soils, ash <i>Fraxinus excelsior</i> -rowan <i>Sorbus aucuparia</i> woodland on slightly drier ground, and alder <i>Alnus glutinosa</i> woodland in waterlogged areas. A well-developed shrub layer features hazel coppice <i>Corylus avellana</i> , hawthorn <i>Crataegus monogyna</i> , elder <i>Sambucus nigra</i> , and willows <i>Salix</i> spp.. The ground flora is dominated by common woodland species, with wetter areas supporting plants like opposite-leaved golden saxifrage <i>Chrysosplenium oppositifolium</i> , moschatel <i>Adoxa moschatellina</i> , sanicle <i>Sanicula europaea</i> , and the locally scarce rough horsetail <i>Equisetum hyemale</i> . In more open parts of the site, varied vegetation includes species typical of grassland, marsh, and mire, along with notable fauna such as the red-tipped clearwing moth <i>Synanthedon formicaeformis</i> at its only known Welsh site, and a strong population of dark bush-crickets <i>Pholidoptera griseoptera</i> .	No - given the distance of this SSSI from the Site and the lack of impact pathways no impacts are anticipated.
Afon Tywi SSSI	1.4 km west and ecologically connected via ditches and watercourses	Designated for its diverse and dynamic riverine habitats. Extending from Llandovery to the Afon Taf confluence, it supports a mosaic of aquatic and marginal flora, saltmarsh communities, and unvegetated shingle banks important for invertebrates and breeding birds. The river is of national significance for otter <i>Lutra lutra</i> , twaite shad <i>Alosa fallax</i> , allis shad <i>Alosa alosa</i> , sea trout <i>Salmo trutta</i> , Atlantic salmon <i>Salmo salar</i> , lampreys, and the freshwater pearl mussel <i>Margaritifera margaritifera</i> . Breeding bird populations include little ringed plover <i>Charadrius dubius</i> , kingfisher <i>Alcedo atthis</i> , sand martin <i>Riparia riparia</i> , and common sandpiper <i>Actitis hypoleucos</i> , with overwintering estuarine birds using the tidal	Yes- due to the hydrological connectivity to this SSSI there is potential for the proposed development to impact its designating features through indirect pollution via surface run-off from the Site.

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Site name	Distance and Connectivity to the Survey Area	Description	Potential Impacts
		reaches. The invertebrate fauna includes nationally scarce species, particularly associated with the extensive shingle banks.	
<b>Locally Designated Sites</b>			
None within search parameters			
<b>Ancient Woodland and Habitats of Principal Importance</b>			
Ancient Semi-Natural Woodland	Located within the Survey Area	32 Ancient Semi-Natural Woodland sites within 2km of the Survey Area, including one within the Survey Area.	Yes – one ancient woodland site is located within the Site.
Restored Ancient Woodland Site	0.1	21 Restored Ancient Woodland Sites within 2km of the Survey Area.	No – located outside the Zol of the proposed development.
Plantation on Ancient Woodland Site	1.5	2 Plantation on Ancient Woodland Sites within 2km of the Survey Area.	No – located outside the Zol of the proposed development.
Purple moor grass and rush pastures	Located within the Survey Area	Twenty areas of purple moor grass and rush pasture with 2 km of the Survey Area, including two within the Survey Area and further parcels immediately adjacent.	Yes – located within the Survey Area.
Coastal Saltmarsh	1.4	River Towy estuary	No– located outside the Zol of the proposed development.

### 3.1.3 Invasive and non-native plant species (INNS) and notable or protected plant species recorded within 2 km of the Survey Area are listed in Table 3-2 below.

Table 3-2 INNS, notable and protected plant species recorded within 2 km of the Survey Area

Species	Location	Conservation Status
Entire-leaved cotoneaster <i>Cotoneaster integrifolius</i>	0.9 km west	INNS - Schedule 9 WCA 1981
Himalayan balsam <i>Impatiens glandulifera</i>	1 km west	INNS - Schedule 9 WCA 1981
Japanese knotweed <i>Fallopia japonica</i>	1.3 km south	INNS - Schedule 9 WCA 1981
Japanese rose <i>Rosa rugosa</i>	0.4 km south	INNS - Schedule 9 WCA 1981
Rhododendron <i>Rhododendron ponticum</i>	1 km west	INNS- Schedule 9 WCA 1981
Bluebell <i>Hyacinthoides non-scripta</i>	1 km west	Protected - Schedule 8 (trade only) WCA 1981
Northern yellow-cress <i>Rorippa islandica</i>	0.9 km west within gardens of Upland Mansion	Notable - Red List least concern



### 3.2 UKHab Classification and Condition Survey

- 3.2.1 The habitat types (provided with their primary and secondary UK Habitat Classification codes) outlined in Table 3-3 were recorded during the field survey of the Survey Area. The distribution of these habitats is shown on Figure 2.
- 3.2.2 Of the habitats recorded the following are classified as HPis: purple moor-grass and rush pastures, lowland mixed deciduous woodland and native hedgerows.
- 3.2.3 Descriptions of the habitats, along with the results of the habitat condition assessment, are provided in Table 3-3. The habitat condition assessment criteria and scores are provided at Appendix C. Species lists and DAFOR information is presented in Appendix D. Photographs of the habitats are provided in Appendix E.

Table 3-3: Results of the UK Habitat Classification Survey

Habitat	Parcel Reference	Habitat Area/ Length	Habitat Condition	HPI	Description
Other neutral grassland [g3c]	31, 40, 47, 88, 92, 95, 96	9.10 ha	Poor	No	Most of these fields were relatively rich in grass species but lacked forb diversity or coverage. Perennial rye-grass <i>Lolium perenne</i> and white clover <i>Trifolium repens</i> were present in some parcels, but low in abundance. Fields 31 and 40 were grazed by sheep, 47 was a small area of land cut for hay, 88-95 were grazed by horses and it assumed that 96 was either grazed or cut in late summer. All of these fields lacked structural diversity due to relatively intensive management. The main reasons for achieving 'poor' condition were lack of species diversity and a lack of forb coverage, meaning that they could not be described as a 'good representation of the habitat type', which requires either >8 species per square metre or >20% coverage of forbs and sedges to meet definition criteria (Appendix E, Photograph 1).
	80, 81, 83, 87, 91	11.00 ha	Moderate	No	A large area of the Survey Area was hay fields, including fields 80-87 with a semi-natural species assemblage, which was similar across the survey area despite varied ownership/management responsibility. The dominant grass across most of the Survey Area was sweet vernal grass <i>Anthoxanthum odoratum</i> , but grass diversity was relatively high and meant that these fields were able to meet criterion A despite a lack of forb density or diversity. The sward was uniform due to the hay-cut management (Appendix E, Photograph 2).  Field 91 was a horse-grazed grassland on a steep slope. Here, forb coverage was higher than most of the grasslands on the Survey Area, but diversity was still below 10 species per square metre. There was a slight tendency towards acid tolerant species, including tormentil <i>Potentilla erecta</i> .
Other neutral grassland with scattered scrub [g3c] (10)	61	0.04 ha	Poor	No	Area 61 was a narrow strip of grassland along the farm track leading to Crugan Fach. It was grass dominated, with few forbs, and around 5-6% coverage of blackthorn <i>Prunus spinosa</i> , which was suckering from the adjacent hedge.



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Habitat	Parcel Reference	Habitat Area/ Length	Habitat Condition	HPI	Description
Other neutral grassland with scattered rushes [g3c] (14)	5, 9, 98	5.94 ha	Poor	No	These were areas of other neutral grassland where there was some influence from a high water table, resulting in the presence of rushes within the sward. However, due to management, these were relatively sparse or in clumps and did not form the majority of the sward as within nearby purple moor-grass and rush pastures. As with other areas of other neutral grassland, these fields were species-poor and particularly poor in forb species.
	66	3.01 ha	Moderate	No	Field 66 was cattle-grazed with scattered soft rush. Lesser spearwort <i>Ranunculus flammula</i> was present, suggesting that this field has at one point been purple moor-grass and rush pasture. Species diversity was around 8 per square meter, but forb coverage was below 10% (Appendix E, Photograph 3).
Modified grassland [g4]	7, 10, 14, 15, 19, 25, 27, 28, 29, 35, 36, 38, 48, 50, 53, 55, 56, 62, 63, 65, 69, 70, 72, 76, 78, 79, 82, 84, 85, 93	45.00 ha	Poor	No	Modified grassland fields formed a large area of the Survey Area. The majority of these were either cut for hay/silage or grazed by cattle. All areas with poor condition failed the species diversity criterion of the condition assessment, despite some passing most other condition criteria. There was no evidence of invasive or non-native species, overgrazing or excessive stocking levels causing poaching. The dominant grasses were perennial rye-grass and rough meadow-grass <i>Poa trivialis</i> . Forb diversity was very low, limited to white clover, dandelion <i>Taraxacum officinale</i> agg., docks <i>Rumex</i> spp., creeping buttercup <i>Ranunculus repens</i> and creeping thistle <i>Cirsium arvense</i> in many fields (Appendix E, Photograph 4).  Field 7 was almost exclusively Italian rye <i>Lolium multiflorum</i> , so may be an arable ley.
	68, 94	5.54 ha	Good	No	Areas 68 and 94 both met the description of modified grassland, having a large amount of perennial rye and white clover in their sward. However, species-diversity was significantly higher, particularly grasses. Although forb cover was higher, diversity was limited, and creeping buttercup was prevalent.
Modified grassland with scattered scrub [g4] (10)	64	0.06 ha	Poor	No	Area 64 was a short track, sandwiched between two areas of woodland (potentially cut as a break for the overhead lines). The area was lightly managed and was starting to scrub over from the adjacent woodland (Appendix E, Photograph 5).
Modified grassland with scattered rushes [g4] (14)	20, 43, 44, 46, 54, 58, 89	11.32 ha	Poor	No	Some wetter areas of grassland. These areas were similar to those described above but had scattered soft rush in the sward. The majority had been cut shortly before the survey, but a species-list was compiled from what was visible after the cut and around the margins of the fields.
Purple moor-grass and rush pastures [f2b]	13	1.72 ha	Poor	Yes	This area was situated on a slope, meaning that the water table was close to the surface in the south, but the ground was largely dry in the north. There was some bramble <i>Rubus fruticosus</i> agg. in the sward, but it was not as prevalent as in area 22 (see below). Rushes were dominant, particularly soft rush <i>Juncus effusus</i> . The density of rushes and extensive management has resulted in a build-





## Habitats and Designated Sites Report

Habitat	Parcel Reference	Habitat Area/ Length	Habitat Condition	HPI	Description
					up of thatch that has precluded other species, including other indicators of purple moor-grass and rush pasture, particularly wetland forbs.
	24, 52	3.19 ha	Moderate	Yes	<p>Area 24 was a large area of purple moor-grass and rush pasture that is slightly degraded due to build up of dense rush tussocks and thatch. Although some indicator species were present, including lesser spearwort, yellow iris <i>Iris pseudacorus</i> and marsh bedstraw <i>Galium palustre</i>, forb coverage was low (Appendix E, Photograph 6).</p> <p>Area 52 is an area of purple moor-grass and rush pasture that is degraded to the point that it could be considered 'other neutral grassland'. In many areas of the field, the rushes are sparse, and grasses are dominant. Coverage of species indicative of sub-optimal condition are prevalent, notably creeping buttercup and white clover.</p>
	2, 13, 17, 34, 41, 45, 59, 100	1.64 ha	Good	Yes	<p>These areas of purple moor-grass and rush pasture had regular indicator species in almost all quadrats. Species present indicated a regular, high-water table and rushes were dominant but spread out enough and even, so that other species were able to grow in the sward (Appendix E, Photograph 7).</p> <p>Some areas, particularly areas 45 and 100 were rich in sedges. Common indicators included lesser spearwort, whorled caraway <i>Carum verticillatum</i> and ragged robin <i>Silene flos-cuculi</i>.</p> <p>Area 2 had small numbers of devil's-bit scabious <i>Succisa pratensis</i>, meaning that it is potentially suitable habitat for marsh fritillary butterflies <i>Euphydryas aurinia</i>.</p>
Purple moor-grass and rush pastures with scattered scrub [f2b] (10)	22	1.26 ha	Poor	Yes	This was an area of purple moor-grass and rush pasture on a slope down to the south-east. The northern, drier extent of the field was being colonised by bramble scrub. Areas of rush were dense to the point that other species were crowded from the sward. These tussocks of rush were interspersed with 'clearings' of shorter, rabbit <i>Oryctolagus cuniculus</i> and cattle-grazed grass, where species-diversity was higher. In the wetter south-east, cattle had caused significant poaching in some small areas (Appendix E, Photograph 8).
	33	0.95 ha	Moderate	Yes	This field was lower-lying than the field to the west and therefore had a larger diversity and coverage of indicator species. However, the majority of these were found in the east of the field. Furthermore, bramble was beginning to colonise into the field and covered approximately 15% of the field.
	37	1.69 ha	Good	Yes	This field was more indicative of purple moor-grass and rush pasture than the fields to the north and west, with relatively high forb coverage and plenty of species adapted to a high water table. However, there was significant bramble coverage (around 15%) (Appendix E, Photograph 9).
Wet woodland (plantation) [w1d] (29)	3, 4, 11	2.34 ha	Poor	No	<p>These three areas formed one contiguous area of plantation woodland on wet ground. The dominant species was alder, although other species were present along rides and the fringes of the woodland (Appendix E, Photograph 10).</p> <p>A lack of veteran trees, deadwood, age diversity, structure and recognisable National Vegetation Classification (NVC) community meant that the woodland is considered to be in poor ecological condition.</p>



## Habitats and Designated Sites Report

Habitat	Parcel Reference	Habitat Area/ Length	Habitat Condition	HPI	Description
Lowland mixed deciduous woodland [w1f]	90, 97	1.31 ha	Moderate	Yes	Woodlands forming the eastern boundary of the survey area. These woodlands are mature, with a well-developed scrub layer and ground flora. However, there were no veteran trees, and dieback <i>Hymenoscyphus fraxineus</i> was present in ash trees. There were some gaps in the fencing, allowing sheep to pass into the woodland, but browsing damage was not widespread.
	42, 60, 77	0.39 ha	Good	Yes	Area 42 was a small area of woodland surrounded by willow scrub. It was not possible to access the woodland due to dense vegetation on its edge. Willow was prevalent, although here was mixed with hazel.  Areas 60 and 77 were parts of an ancient ash/oak woodland, with a mature canopy, understorey, shrub layer and ground flora. Forbs along the edge of the woodland were indicative of wetter ground. The woodland ground flora contained ancient woodland indicators, including wood anemone <i>Anemone nemorosa</i> , yellow archangel <i>Lamiastrum galeobdolon</i> , and bluebell. Area 77 is listed as an Ancient Woodland Site (Appendix E, Photograph 11).
Mixed scrub [h3h]	99	0.06 ha	Poor	No	A small area of mixed scrub just outside the survey area. The block of scrub was dense and had a single mature ash, which had severe signs of dieback.
	6, 16, 21, 30, 71	0.63 ha	Moderate	No	Areas 6-71 formed the boundary between plantation woodland and purple moor-grass and rush pasture to the north, and grasslands to the south. They follow the route of a watercourse, which held a small amount of water at the time of survey. The scrub may be a historic hedgerow that has been allowed to spread (Appendix E, Photograph 12).  Area 71 was a small area of scrub on a steep incline/cliff surrounding a small quarry area, adjacent to a farm access track.
	12, 26, 32	1.91 ha	Good	No	This scrub formed spreading field boundaries between purple moor-grass and rush pasture parcels. In places it formed a dense barrier, in others, glades formed and there was evidence that livestock used the scrub for shelter (Appendix E, Photograph 13).
Willow scrub [h3j]	39	0.70 ha	Poor	No	An area of single-species, mature willow scrub/woodland on the edge of an area of mixed woodland.
Cropland [c]	49, 51	3.49 ha	N/A	No	Areas of arable cultivated ground, growing maize <i>Zea mays</i> in 2025.
Artificial unvegetated - unsealed surface [u1c]	18, 23, 57, 67, 69, 75, 86	0.26 ha	N/A	No	Areas of bare ground, mostly farm tracks.
Line of trees [w] (33)	H37	0.11 km	Moderate	No	Line of mature ash, oak and sycamore forming the boundary of an arable field (Appendix E, Photograph 14).
	H65	0.17 km	Moderate	Yes	Hawthorn hedge along the edge of the farm access track. It was relatively young, not associated with a bank, and had some vertical gaps where sheep had browsed the lower branches.



## Habitats and Designated Sites Report

Habitat	Parcel Reference	Habitat Area/ Length	Habitat Condition	HPI	Description
Other native hedgerow [h2a6]	H4, H6, H15, H18, H19, H33, H35, H42, H47, H49, H56, H59, H64, H66, H67, H68, H71, H73, H74, H80, H82, H83, H85, H86, H88, H90, H92, H93, H95	3.82 km	Good	Yes	Species-poor hedgerows that were dominated by blackthorn and hawthorn. Most hedgerows were well maintained, bushy and wide with few to no gaps. Most hedgerows were around 2m tall. H15 was defunct with a large (>40m) gap in its centre. Almost all hedgerows were planted on or adjacent to a bank (Appendix E, Photograph 15).
Other native hedgerow associated with a ditch [h2a6] (50)	H32, H51	0.15 km	Good	Yes	H32 was a roadside hedgerow with ditch and bank between it and the road. It had some gaps at its base but passed all other condition criteria. To the south of the hedge was a 1m band of grassland and tall forb vegetation that was left uncut. The ditch had been dredged recently and did not have any vegetation (Appendix E, Photograph 16). H51 was not associated with a bank, but the ditch was deep and had a small amount of running water. The ditch was heavily vegetated with a mix of great willowherb <i>Epilobium hirsutum</i> , dock, grasses <i>Poaceae</i> , hogweed <i>Heracleum sphondylium</i> , and ferns <i>Pteridophyta</i> .
Other native hedgerow with trees [h2a6] (11)	H5, H94	0.17 km	Moderate	Yes	H94 was a narrow hedge immediately adjacent to a row of trees on a bank. It is likely that these were part of the same feature, but a gap has formed where livestock have pushed through for shelter. It failed both elements of criterion A of the condition assessment because the hedge was less than 1.5m wide and tall (Appendix E, Photograph 17). H5 failed both elements of criterion B of the condition assessment due to canopy and base gaps. The ground flora was also dominated by nettle.
Species-rich native hedgerow [h2a6]	H16	0.09 km	Moderate	Yes	This hedgerow failed both elements of criterion B due to gaps in the canopy and at the base of the hedge. It ran along the eastern edge of a track leading to fields to the south, forming a green lane.
	H1, H12, H17, H20, H21, H23, H24, H25, H26, H27, H30, H36, H38, H38, H39, H40, H41, H44, H46, H48, H50, H53, H54, H55, H58, H60, H61, H62, H63, H69, H72, H75, H76, H77, H78, H81,	6.44 km	Good	Yes	A large proportion of the hedgerows on the Survey Area were species-rich and in good condition, with few gaps, measuring between 1.5 and 3m in height and width, mostly associated with a bank, and generally free of damage, nutrient enrichment and disturbed ground. No invasive non-native species were recorded (Appendix E, Photograph 18). H39 had a single occurrence of Japanese rose, which is an INNS listed on Schedule 9 of the Wildlife & Countryside Act (1981).



## Habitats and Designated Sites Report

Habitat	Parcel Reference	Habitat Area/ Length	Habitat Condition	HPI	Description
	H91, H96, H98, H99				
Species-rich native hedgerow associated with a ditch [h2a6] (50)	H11, H97	0.26 km	Moderate	Yes	H11 was a roadside ditch similar to H32 but with a higher species-diversity. H97 was a short length of defunct hedgerow sitting above a wet ditch. The ditch was shallow and poached due to livestock, but contained wetland plants, suggesting it is wet at most times.
Species-rich native hedgerow with trees [h2a6] (11)	H2, H3, H13, H14, H31, H43, H89	0.83 km	Moderate	Yes	As hedgerows without trees but with mature or semi-mature standard trees. Where trees were present, in most hedgerows they formed a continuous canopy over the hedgerow. However, some hedgerows had less evenly spaced trees, with some large gaps between clumps of trees (Appendix E, Photograph 19).  The presence of ash dieback and the lack of age diversity in standards (criteria E1 and E2) was a common reason for failing to achieve 'good' condition.
	H7, H8, H9, H10, H22, H28, H29, H52, H70, H79, H84	1.1 km	Good	Yes	As above, but many of these hedgerows lacked ash trees, or the ash trees were healthy and therefore did not fail criterion E2 (Appendix E, Photograph 20).
Species-rich native hedgerow with trees associated with a ditch [h2a6] (11, 50)	H45, H57	0.42 km	Moderate	Yes	Both hedgerows were as above but associated with a dry ditch. They both failed to pass either of criterion E of the condition assessment.
	H87	0.18 km	Good	Yes	This hedgerow was a double hedgerow with a ditch in the centre. The ditch was not visible and could not be assessed. The ash trees along this hedgerow were not affected by dieback, and there were semi-mature and mature trees present (Appendix E, Photograph 21).
Ditch [r] (50)	H34	0.09 km	Poor	No	Ditch not associated with any hedgerows for part of its length but forming the boundary between two modified grassland fields (43 and 44). As it flows south-west, it flows along the edge of a band of scrub and under the A484 west of the survey area. The ditch was dominated by a small number of species, although diversity was higher than the adjacent fields. No water was visible during the survey, although the vegetation was dense and there may have been a small amount of water, particularly towards the ditch's western extent (Appendix E, Photograph 22).



## 4 Summary and Conclusion

- 4.1.1 The desk study identified four internationally designated sites, two nationally designated sites, ancient woodland and the HPis purple moor grass and rush pasture and coastal saltmarsh within the search area. Of these sites and habitats, the proposed development has the potential to impact the following:
- Carmarthen Bay and Estuaries SAC, River Tywi SAC and Afon Tywi SSSI - due to the hydrological connectivity to this SAC there is potential for the proposed development to impact its designating features through indirect pollution via surface run-off from the Site.
  - Ancient semi-natural woodland and purple moor grass and rush pastures – located within the Site.
- 4.1.2 A range of habitats were recorded within the Survey Area during the field survey, of the habitats recorded the following are classified as HPis: purple moor-grass and rush pastures, lowland mixed deciduous woodland and native hedgerows.
- 4.1.3 The desk study identified five INNS, one protected plant and one notable plant within the search area. The closest INNS was Japanese rose located 0.4 km south of the Survey Area, this species was also identified within the Survey Area within a hedgerow. Bluebell was identified within the desk study and within the Survey Area, although this species is protected it is only protected from sale. The notable plant species northern yellow-cress was identified 0.9 km west of the Survey Area within gardens, although was not recorded within the Survey Area.



## 5 References

Botanical Society for the British Isles (2024) BSBI 2024 List. Available at: [https://bsbi.org/taxon-lists?\\_gl=1\\*88tkc2\\*\\_ga\\*MTI2Njk0NTY4MC4xNzE0NzU1MjU5\\*\\_ga\\_8X6K0G85NT\\*MTcxNjQ5Njg0My4yLjEuMTcxNjQ5Njg3Ny4yNi4wLjA](https://bsbi.org/taxon-lists?_gl=1*88tkc2*_ga*MTI2Njk0NTY4MC4xNzE0NzU1MjU5*_ga_8X6K0G85NT*MTcxNjQ5Njg0My4yLjEuMTcxNjQ5Njg3Ny4yNi4wLjA) [accessed on the 03 July 2025].

Chartered Institute of Ecology and Environmental Management (2017a). Guidelines for Preliminary Ecological Appraisal, 2nd Edition. Chartered Institute of Ecology and Environmental Management, Winchester. Available at: [https://www.cieem.net/data/files/Publications/Guidelines\\_for\\_Preliminary\\_Ecological\\_Appraisal\\_Jan2018\\_1.pdf](https://www.cieem.net/data/files/Publications/Guidelines_for_Preliminary_Ecological_Appraisal_Jan2018_1.pdf) [accessed on the 03 July 2025].

Chartered Institute of Ecology and Environmental Management (2017b). Guidelines for Ecological Report Writing. Available at: [https://www.cieem.net/data/files/Publications/Ecological\\_Report\\_Writing\\_Dec2017.pdf](https://www.cieem.net/data/files/Publications/Ecological_Report_Writing_Dec2017.pdf). [Accessed 03 July 2025].

Department for Environment, Food and Rural Affairs (Defra) (2024). Statutory biodiversity metric tools and guides. Available at: [https://www.gov.uk/government/publications/statutory-biodiversity-metric-tools-and-guides?fbclid=IwAR3t\\_S8djN97HZzsb8H9ISdfVqDiUZJcSR7pp4Kz5zHRFK5KWolJPBImRcw](https://www.gov.uk/government/publications/statutory-biodiversity-metric-tools-and-guides?fbclid=IwAR3t_S8djN97HZzsb8H9ISdfVqDiUZJcSR7pp4Kz5zHRFK5KWolJPBImRcw)

Natural History Museum (2016) UK Species Inventory. Available at: <http://www.nhm.ac.uk/research-curation/scientific-resources/biodiversity/uk-biodiversity/uk-species/index.html> [accessed on the 03 July 2025]. ]

UKHab Ltd (2023). UK Habitat Classification Version 2.0. Available at: <https://www.ukhab.org>. [Accessed on: 03 July 2025]

### **Web addresses for access to full legislation and policy text:**

Birds Directive: [http://ec.europa.eu/environment/nature/legislation/birdsdirective/index\\_en.htm](http://ec.europa.eu/environment/nature/legislation/birdsdirective/index_en.htm)

Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019: <https://www.legislation.gov.uk/uksi/2019/579/contents/made>

Countryside and Rights of Way Act 2000: <http://www.legislation.gov.uk/ukpga/2000/37/contents>

Habitats Directive: [http://ec.europa.eu/environment/nature/legislation/habitatsdirective/index\\_en.htm](http://ec.europa.eu/environment/nature/legislation/habitatsdirective/index_en.htm)

Hedgerow Regulations 1997: <http://www.legislation.gov.uk/uksi/1997/1160/contents/made>

Planning Policy Wales: <https://www.gov.wales/planning-policy-wales>

Environment (Wales) Act 2016: <https://www.legislation.gov.uk/anaw/2016/3/contents/enacted>

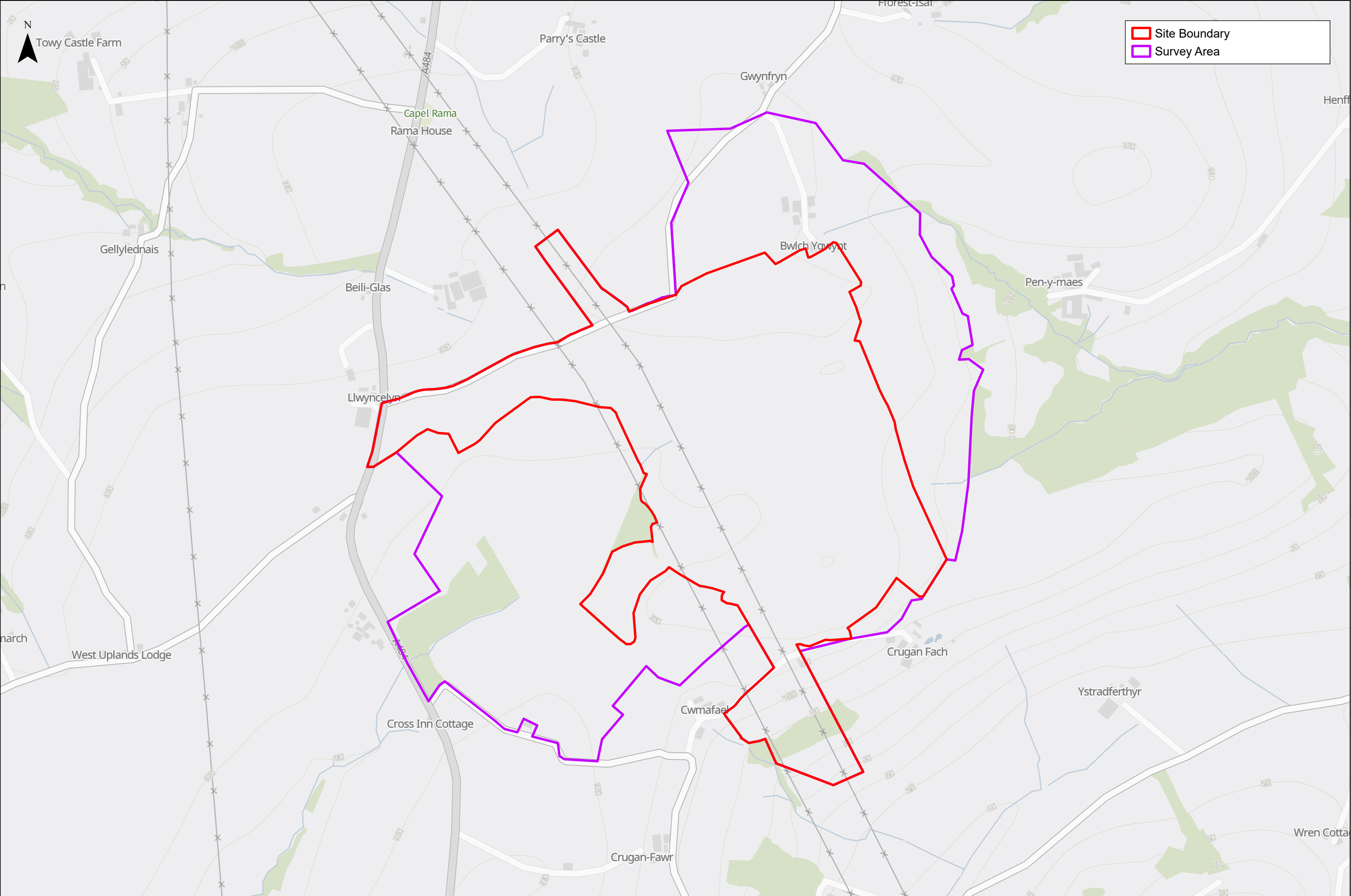
Wildlife and Countryside Act 1981: <http://www.legislation.gov.uk/ukpga/1981/69>

## Appendix A      Figures

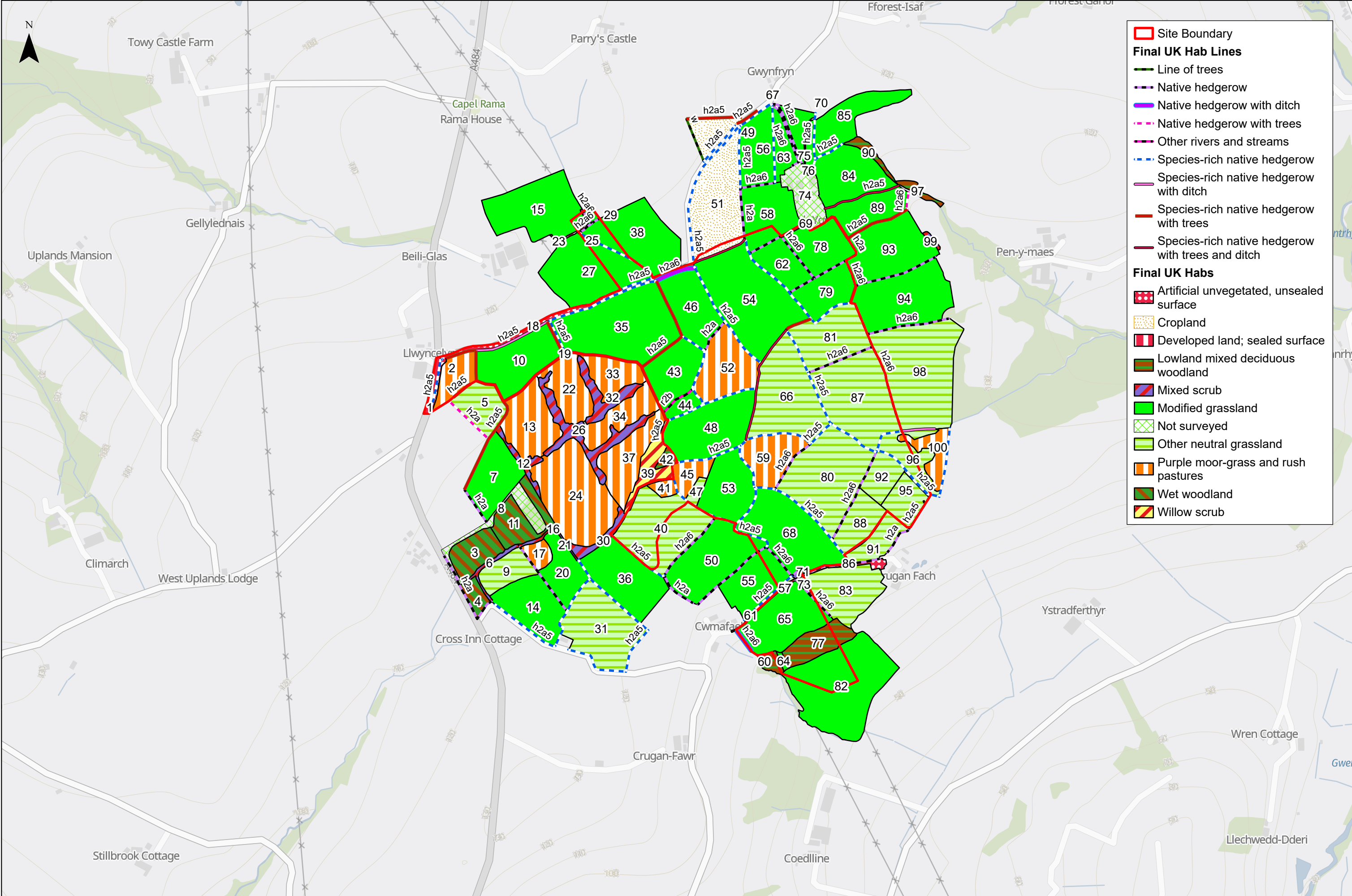
Figure 1: Survey Area Location

Figure 2: UKHab Plan

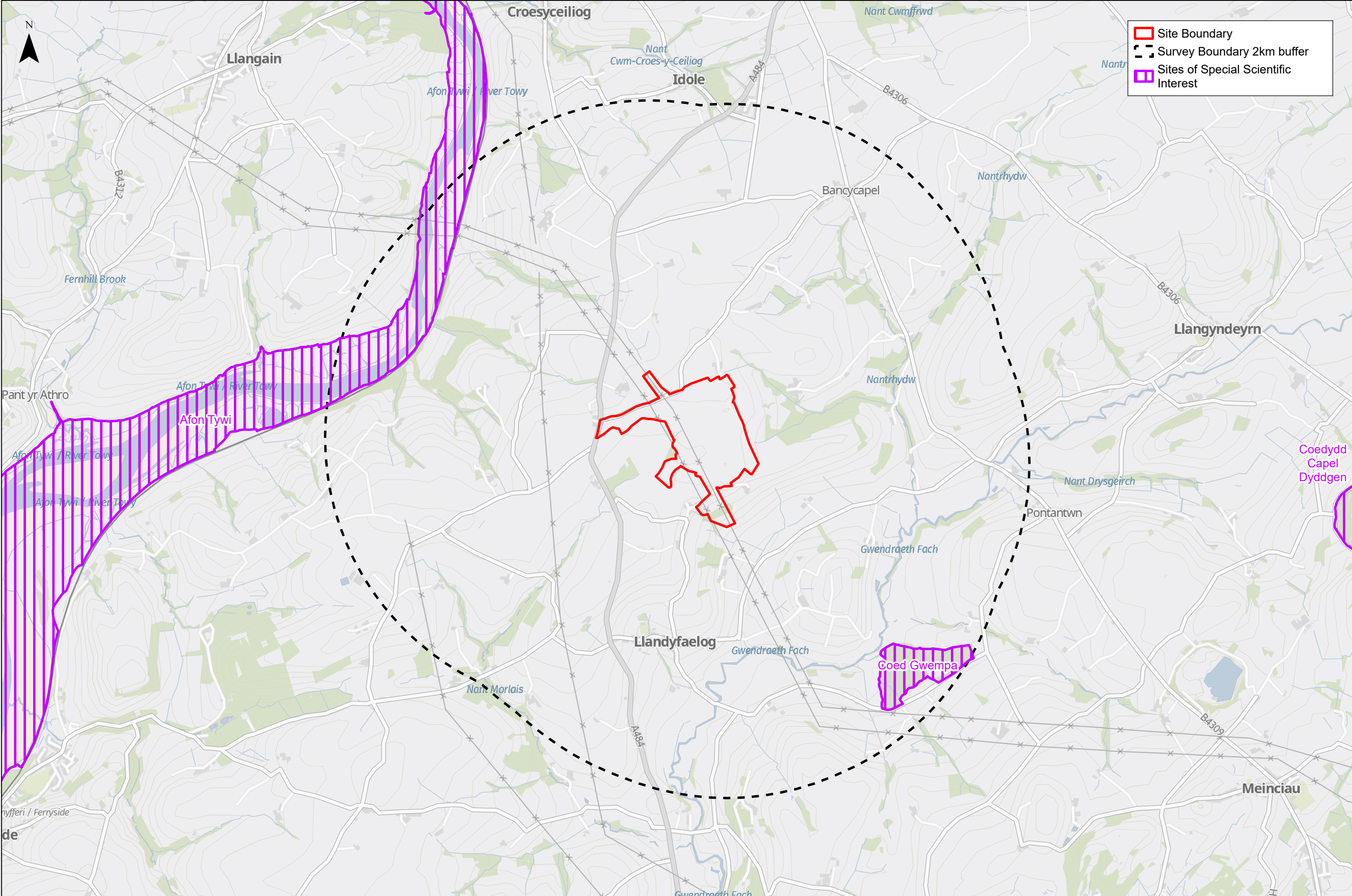







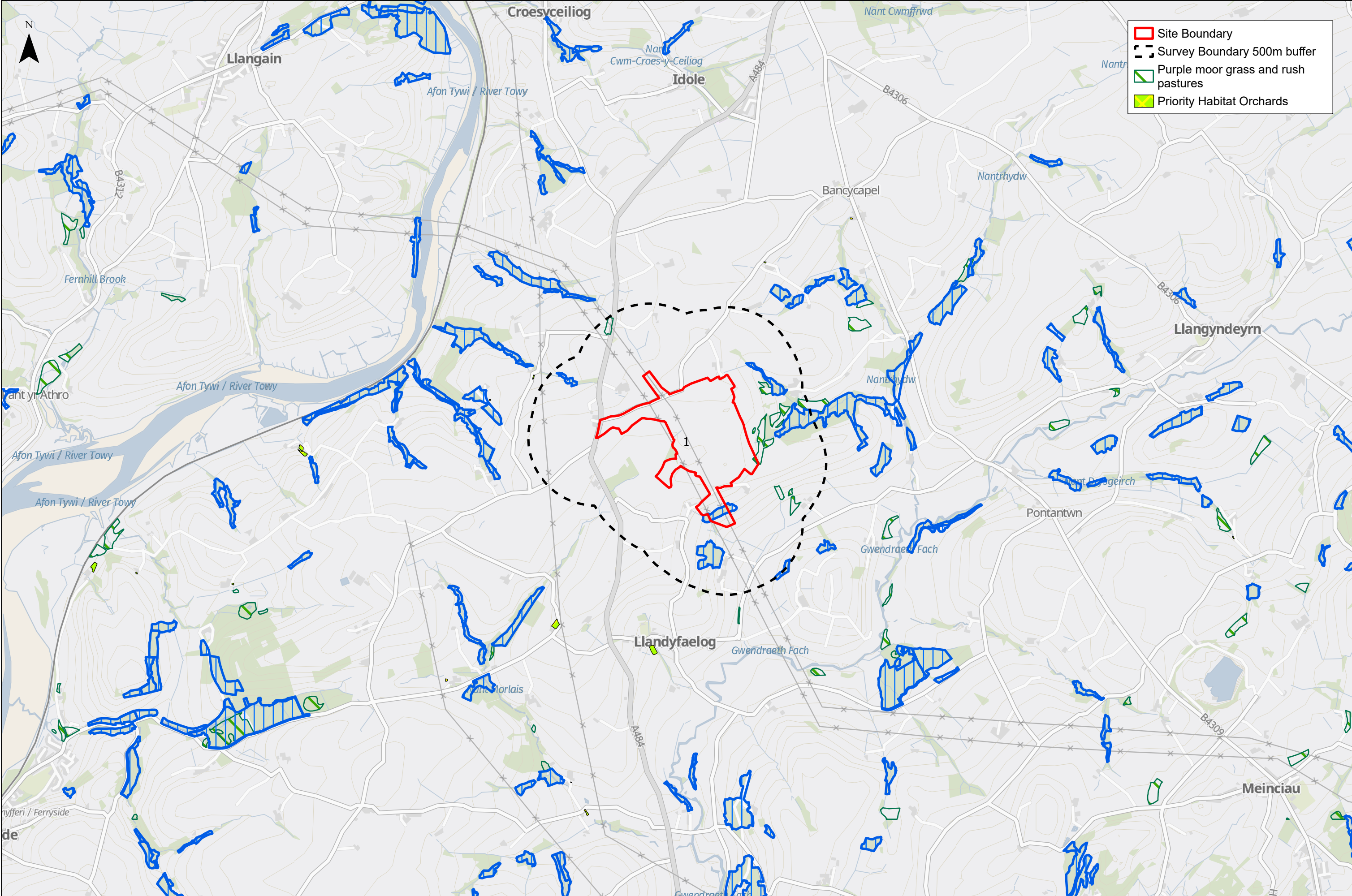






	Client	<b>Llandyfaelog Ecological Impact Assessment</b> Nationally and Locally Designated Sites	0 1,250 2,500 m		1:25,000 @ A3	Date: 23/09/2025
	<b>National Grid Electricity Transmission</b>		Contains OS data © Crown Copyright and database right 2025 Contains data from OS Zoomstack		Drawn: MJ	Checked: MH
					Figure: 03	Rev: 01





Site Boundary

Survey Boundary 500m buffer

Purple moor grass and rush pastures

Priority Habitat Orchards

Stantec

Client

National Grid Electricity Transmission

Llandyfaelog Ecological Impact Assessment

Ancient Woodland and Habitats of Principal Importance

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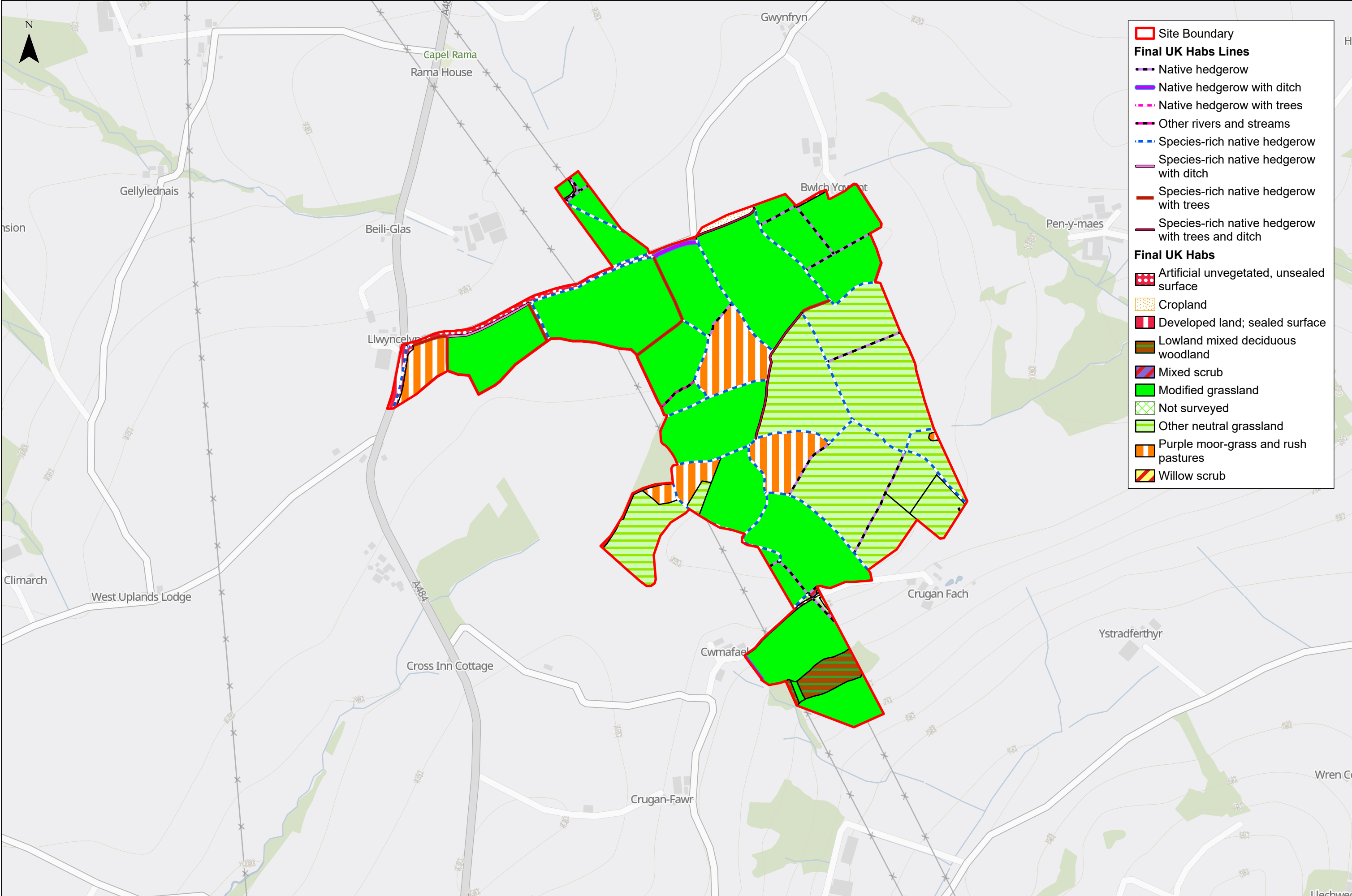
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Site Boundary

**Final UK Habs Lines**

Native hedgerow

Native hedgerow with ditch

Native hedgerow with trees

Other rivers and streams

Species-rich native hedgerow

Species-rich native hedgerow with ditch

Species-rich native hedgerow with trees

Species-rich native hedgerow with trees and ditch

**Final UK Habs**

Artificial unvegetated, unsealed surface

Cropland

Developed land; sealed surface

Lowland mixed deciduous woodland

Mixed scrub

Modified grassland

Not surveyed

Other neutral grassland

Purple moor-grass and rush pastures

Willow scrub

## Appendix B Relevant Legislation

B.1.1 A summary of the legislation relevant to the Site, and designated sites, habitats and species referred to in this report is provided in Table B 1 and Table B 2. Please note that this information is a summary and intended for general guidance only. The original legal documents should be consulted for definitive information. Web addresses providing access to the full text of these documents are given in the References Section.

Table B 1: Relevant Legislation protection afforded to designated sites

Designation	Description
Ramsar Sites	Ramsar Sites are wetlands of international importance designated under The Ramsar Convention. They are afforded the same level of protection as SSSIs under the Wildlife and Countryside Act 1981 (as amended). UK policy, however, affords the same level of protection to Ramsar Sites as SPAs/SACs in terms of the consideration of impacts on their integrity subject to Habitats Regulations Assessment.
Special Protection Areas (SPA)	SPAs are strictly protected sites classified in accordance with Article 4 of the EC Directive on the Conservation of Wild Birds (79/409/EEC), also known as the Birds Directive. They are classified for rare and vulnerable birds, listed in Annex I of the Birds Directive, and for regularly occurring migratory species. The Wildlife and Countryside Act 1981 (as amended) and the Conservation of Habitats and Species Regulations 2017 (hereafter referred to as the Habitats Regulations) are the legal instrument for implementing the Birds Directive in the UK.
Special Areas of Conservation (SAC)	SACs are strictly protected areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed in Annexes I and II of the EC Habitats Directive. The Wildlife and Countryside Act 1981 (as amended) and Habitats Regulations are the legal instrument for implementing the Habitats Directive in the UK.
Sites of Special Scientific Interest (SSSI)	SSSIs are the national suite of sites providing statutory protection for the best examples of the UK's flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs have been renotified under the Wildlife and Countryside Act 1981 (as amended). Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000.
National Nature Reserves (NNR)	NNRs contain examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. NNRs are declared by the statutory country conservation agencies under the National Parks and Access to the Countryside Act 1949 and the Wildlife and Countryside Act 1981 (as amended). Legal protection of NNRs is provided under The Wildlife and Countryside Act 1981 (as amended).
Local Nature Reserves (LNR)	Under the National Parks and Access to the Countryside Act 1949, LNRs may be declared for nature conservation by local authorities after consultation with the relevant statutory nature conservation agency. Legal protection of LNRs is provided under The Wildlife and Countryside Act 1981 (as amended).



## Habitats and Designated Sites Report

Table B 2 Relevant Legislation protection afforded to species and habitats

Legislation	Description
Environment (Wales) Act 2016	<p>As part of Welsh Government's commitment to reversing the decline in biodiversity in Wales and increasing the resilience of its ecosystems, the Environment (Wales) Act introduces a new biodiversity duty, which highlights biodiversity as an essential component of ecosystem resilience.</p> <p>Section 6 of the Act places a duty on public authorities to 'seek to maintain and enhance biodiversity' so far as it is consistent with the proper exercise of those functions. In so doing, public authorities must also seek to 'promote the resilience of ecosystems'. The duty replaces the section 40 duty in the Natural Environment and Rural Communities Act 2006 (NERC Act 2006), in relation to Wales, and applies to those authorities that fell within the previous duty.</p> <p>Section 7 replaces the duty in Section 42 of the NERC Act 2006. The Welsh Ministers will publish, review and revise lists of living organisms and types of habitat in Wales, which they consider are of key significance to sustain and improve biodiversity in relation to Wales. In producing the list or taking any measures to improve the listed organisms and habitats, the Welsh Ministers must apply the principles of sustainable management of natural resources. Therefore, they must consider any appropriate evidence, for example as provided in the State of Natural Resources Report, and also engage with any relevant stakeholders, including pertinent public authorities. Certain public authorities will also be required to consider the section 7 list, in complying with the new biodiversity duty under section 6 of the Act. The list is important in assisting public bodies to identify potential issues that they may wish to address in meeting their well-being objectives, in addition to contributing to the well-being goal 'a resilient Wales' (Goal 2).</p>
Habitats Regulations 2017	<p>Under the Habitats Regulations, it is illegal to deliberately pick, collect, uproot or destroy any plants belonging to these species:</p> <p>Creeping marshwort <i>Apium repens</i>, early gentian <i>Gentianella anglica</i>, fen orchid <i>Liparis loeselii</i>, floating-leaved water-plantain <i>Luronium natans</i>, Killarney fern <i>Trichomanes speciosum</i>, lady's slipper <i>Cypripedium calceolus</i>, shore dock <i>Rumex rupestris</i>, slender naiad <i>Najas flexilis</i>, yellow marsh saxifrage <i>Saxifraga hirculus</i>.</p>
The Invasive Alien Species (Enforcement and Permitting) Order 2019 (IASO)	<p>The IASO transposes the EU Invasive Alien Species (IAS) Regulation (1143/2014) into UK law. The IASO makes it an offence to plant or otherwise cause to grow in the wild any specimen which is of a species of plant which is included in Part 2 of Schedule 2.</p>



## **Appendix C      Habitat Condition Assessment – Results**







Passes 6 or 7 criteria <i>including criterion A</i>	Good (3)
Passes 4 or 5 criteria <i>including criterion A</i>	Moderate (2)
Passes 3 or fewer criteria OR 4 - 6 <i>excluding criterion A</i>	Poor (1)
Footnotes	

Footnote 1 – Creeping thistle *Cirsium arvense*, spear thistle *Cirsium vulgare*, curled dock *Rumex crispus*, broad-leaved dock *Rumex obtusifolius*, common nettle *Urtica dioica*, creeping buttercup *Ranunculus repens*, greater plantain *Plantago major*, white clover *Trifolium repens* and cow parsley *Anthriscus sylvestris*.

Footnote 2 – For example, this could include small, scattered areas of bare ground allowing establishment of new species, or localised patches where not exceeding 10% cover.

Footnote 3 – Assess this for each distinct habitat parcel. If the distribution of invasive non-native species varies across the habitat, split into parcels accordingly, applying a buffer zone around the invasive non-native species with a size relative to its risk of spread into adjacent habitat, using professional judgement.

Footnote 4 – Wildlife and Countryside Act 1981 (as amended).

UK Habitat Classification (UKHB) Habitat Type				Condition Sheet: GRASSLAND Habitat Type (medium-high distinctiveness)													
Grassland - Lowland calcareous grassland Grassland - Lowland dry acid grassland Grassland - Lowland meadows Grassland - Other lowland acid grassland Grassland - Other neutral grassland Grassland - Tall herb communities (H6430) [NB: Not Tall forbs secondary code] Grassland - Upland acid grassland Grassland - Upland calcareous grassland Grassland - Upland hay meadows Sparsely vegetated land - Calaminarian grassland																	
Criteria	A		B		C		D		E		F		Essential criterion achieved - NON-ACID grassland moderate or good condition	Essential criterion achieved - NON-ACID grassland good condition	Invasives non-native Sch 9 present	Number of criteria passed	Condition
	A good example of its habitat type, with consistently high proportion of characteristic indicator species relevant to the habitat type (and relative to Footnote 3 suboptimal species which may be listed in the UKHB description). <b>Note: essential for Moderate or Good condition for non-acid grassland.</b>		Sward height is varied (at least 20% of sward <7 cm and at least 20% is >7 cm) creating microclimates of value to insects, birds and small mammals.		Cover of bare ground between 1% and 5%, including localised areas, e.g. rabbit warrens <sup>1</sup> .		Cover of bracken <i>Pteridium aquilinum</i> <20% and scrub (including bramble <i>Rubus fruticosus</i> agg.) <5%.		Combined cover of species indicative of suboptimal condition <sup>2</sup> and physical damage (e.g. excessive poaching, damage from machinery or storage, public access, poor management) is <5% of total area. NB: If invasive non-native plant species <sup>3</sup> present (Schedule 9 of WCA <sup>4</sup> ), criterion failed.		Non-ACID GRASSLAND: 10 or more vascular plant species/m <sup>2</sup> , including forbs characteristic of habitat type (see Footnotes 3 and 5 for spp to exclude). NB: essential for Good condition non-acid grassland.						
Parcel	Criterion passed (True / False)	Notes / Justifications	Criterion passed (True / False)	Notes / Justifications	Criterion passed (True / False)	Notes / Justifications	Criterion passed (True / False)	Notes / Justifications	Criterion passed (True / False)	Notes / Justifications	Criterion passed (True / False)	Notes / Justifications					
References:	Current Baseline																
5	FALSE		FALSE		TRUE		TRUE		TRUE		FALSE		FALSE	FALSE	FALSE	3	Poor
9	FALSE		FALSE		TRUE		TRUE		TRUE		FALSE		FALSE	FALSE	FALSE	3	Poor
31	FALSE		FALSE		TRUE		TRUE		FALSE		FALSE		FALSE	FALSE	FALSE	2	Poor
40	FALSE		FALSE	Sheep grazed	TRUE		TRUE		TRUE		FALSE		FALSE	FALSE	FALSE	3	Poor
47	FALSE		FALSE		TRUE		TRUE		TRUE		FALSE		FALSE	FALSE	FALSE	3	Poor
61	FALSE		FALSE		FALSE		FALSE		TRUE		FALSE		FALSE	FALSE	FALSE	1	Poor
68	TRUE		TRUE		TRUE		TRUE	FALSE	FALSE	Creeping buttercup, white clover >6%		TRUE	FALSE	FALSE	FALSE	4	Moderate
80	TRUE		FALSE	All long - hay meadow	TRUE	Moles	TRUE		TRUE		FALSE	8 on average	TRUE	FALSE	FALSE	4	Moderate
81	TRUE		FALSE		TRUE		TRUE		TRUE		FALSE	Quadrat 3 passes this criterion	TRUE	FALSE	FALSE	4	Moderate
83	TRUE		FALSE		TRUE		TRUE		TRUE		FALSE		TRUE	FALSE	FALSE	4	Moderate
87	TRUE		FALSE	All long - hay meadow	TRUE	Moles	TRUE		TRUE		FALSE	8 on average	TRUE	FALSE	FALSE	4	Moderate
88	FALSE		TRUE		TRUE		FALSE	Bracken prevalent along top hedgerow	TRUE		FALSE		FALSE	FALSE	FALSE	3	Poor
91	TRUE		TRUE	Grazed to 5cm with tufts	TRUE	Hoopprints	TRUE		TRUE		TRUE		TRUE	FALSE	FALSE	5	Moderate
92	FALSE		TRUE		TRUE		FALSE	Bracken prevalent along top hedgerow	TRUE		FALSE		FALSE	FALSE	FALSE	3	Poor
95	FALSE		TRUE		TRUE		FALSE		FALSE		FALSE		FALSE	FALSE	FALSE	3	Poor
96	FALSE		FALSE		TRUE		TRUE		FALSE	Big patch of creeping thistle in middle		FALSE		FALSE	FALSE	2	Poor
98	FALSE		FALSE		TRUE		TRUE		TRUE		FALSE		FALSE	FALSE	FALSE	2	Poor
Condition Assessment Result	Condition Assessment Score																
Acid grassland types (Result out of 5 criteria)																	
Passes 5 criteria			Good (3)														
Passes 3 or 4 criteria			Moderate (2)														
Passes 2 or fewer criteria			Poor (1)														
Non-acid grassland types (Result out of 6 criteria)																	
Passes 5 or 6 criteria			Good (3)														
Passes 3 - 5 criteria, including			Moderate (2)														
Passes 2 or fewer criteria			Poor (1)														
Footnote 1 - Professional judgement should be used alongside the UKHB description.																	
Footnote 2 - For example, this could include small, scattered areas of bare ground allowing for clant colonisation, or localised patches not exceeding 5% cover.																	
Footnote 3 - Species indicative of suboptimal condition for this habitat type include: creeping thistle <i>Cirsium arvense</i> , spear thistle <i>Cirsium vulgare</i> , curled dock <i>Rumex crispus</i> , broad-leaved dock <i>Rumex obtusifolius</i> , common nettle <i>Urtica dioica</i> , creeping buttercup <i>Ranunculus repens</i> , greater plantain <i>Plantago major</i> , white clover <i>Trifolium repens</i> and cow parsley <i>Anthriscus sylvestris</i> . There may be additional relevant species local to the region and or site.																	
Footnote 4 - Assess this for each distinct habitat parcel. If the distribution of invasive non-native species varies across the habitat, split into parcels accordingly, applying a buffer zone around the invasive non-native species with a size relative to its risk of spread into adjacent habitat, by applying professional judgement.																	
Footnote 5 - Wildlife and Countryside Act 1981 (as amended).																	

Condition Sheet: WOODLAND Habitat Type

UK Habitat Classification (UKCIS) Habitat Type															
Woodland and forest - Lowland beech and pine woodland Woodland and forest - Lowland mixed deciduous woodland Woodland and forest - Native pine woodlands Woodland and forest - Other coniferous woodland Woodland and forest - Other Scot's pine woodland Woodland and forest - Other woodland; broadleaved Woodland and forest - Other woodland; mixed Woodland and forest - Upland birchwoods Woodland and forest - Upland mixed ashwoods Woodland and forest - Upland oakwood															

Criterion	A	B	C	D	E	F	G	H	I	J	K	L	M	Score	Condition <sup>a</sup>
	Age distribution of trees	Herbivore damage (wild / domestic)	Invasive plant species	Number of native tree species	Cover of native tree and shrub	Open space within woodland	Woodland regeneration	Tree health	Vegetation and ground flora	Vertical structure	Veteran trees	Amount of deadwood	Woodland disturbance		
Good (3 points)	3 age-classes <sup>1</sup> present.	No significant browsing damage evident in woodland <sup>2</sup>	No invasive species <sup>3</sup> present in woodland.	Five or more native tree or shrub species <sup>4</sup> found across woodland parcel.	>80% of canopy trees and >80% of understorey shrubs are native <sup>5</sup> .	10-20% of woodland has areas of temporary open space <sup>6</sup> / >20% if woodland <10ha <sup>7</sup> .	All 3 classes <sup>8</sup> ; trees 4-7m diam at breast height, saplings, and seedlings or advanced	Tree mortality 10% or less, no pests or diseases and no crown damage <sup>9</sup> .	Recognisable NVC ground-level community <sup>10</sup> , or ancient woodland flora.	3 or more storeys across all survey plots, or a complex woodland <sup>11</sup> .	2 or more veteran trees <sup>12</sup> / ha.	50% of plots have deadwood, e.g. standing and fallen, large dead stems, stumps, lots of small cavities <sup>13</sup> .	No nutrient enrichment or damaged ground evident <sup>14</sup> .		
Moderate (2 points)	2 age-classes <sup>1</sup> .	Significant browsing pressure is <40% of woodland <sup>2</sup> .	Rhododendron or cherry laurel present, or other invasive species <sup>3</sup> <10% cover.	3-4 native tree or shrub species <sup>4</sup> across woodland.	50-80% of canopy trees AND understorey are native <sup>5</sup> .	21-40% of woodland has areas of temporary open space <sup>6</sup> .	1 or 2 classes only present <sup>8</sup> .	11-25% tree mortality and/or crown damage or low-risk pest or disease <sup>9</sup> .	Recognisable woodland ground flora NVC <sup>10</sup> .	2 storeys across all survey plots <sup>11</sup> .	1 veteran tree <sup>12</sup> / ha.	25-50% of all survey plots have deadwood <sup>13</sup> .	<1 ha nutrient enrichment, and/or <20% of woodland has damaged ground <sup>14</sup> .		
Poor (1 point)	1 age-class <sup>1</sup> .	Significant browsing pressure is at least 40% of woodland <sup>2</sup> .	Rhododendron or cherry laurel present, or other invasive species <sup>3</sup> >10% cover.	up to 2 native tree or shrub species <sup>4</sup> .	<50% of canopy trees AND understorey shrubs are native <sup>5</sup> .	<10% or <40% of wood has temporary open space <sup>6</sup> . OR if woodland <10ha and <10% temporary open space, see Good category.	No classes or coppice regrowth <sup>8</sup> .	>25% tree mortality and/or any high-risk pest or disease present <sup>9</sup> .	No recognisable woodland NVC ground flora community <sup>10</sup> .	1 or less storey across all survey plots <sup>11</sup> .	No veteran trees <sup>12</sup> .	<25% of all survey plots have deadwood <sup>13</sup> .	1 ha or more nutrient enrichment, and/or 20% or more of woodland has damaged ground <sup>14</sup> .		
Parcel performance:															
Current baseline															
1	1	3	3	3	3	3	3	3	3	3	3	3	3	25	Poor
2	1	3	3	3	3	3	3	3	3	3	3	3	3	25	Poor
3	1	3	3	3	3	3	3	3	3	3	3	3	3	23	Poor
4	3	3	3	3	3	3	3	3	3	3	3	3	3	34	Good
5	3	3	3	3	3	3	3	3	3	3	3	3	3	36	Good
6	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
7	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
8	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
9	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
10	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
11	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
12	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
13	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
14	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
15	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
16	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
17	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
18	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
19	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
20	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
21	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
22	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
23	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
24	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
25	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
26	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
27	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
28	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
29	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
30	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
31	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
32	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
33	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
34	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
35	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
36	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
37	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
38	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
39	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
40	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
41	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
42	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
43	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
44	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
45	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
46	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
47	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
48	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
49	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
50	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
51	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
52	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
53	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
54	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
55	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
56	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
57	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
58	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
59	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
60	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
61	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
62	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
63	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
64	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
65	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
66	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
67	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
68	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
69	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
70	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
71	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
72	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
73	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
74	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
75	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
76	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
77	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
78	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
79	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
80	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
81	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
82	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
83	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
84	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
85	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
86	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
87	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
88	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
89	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
90	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
91	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
92	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
93	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
94	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
95	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
96	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
97	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
98	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
99	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
100	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
101	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good
102	3	3	3	3	3	3	3	3	3	3	3	3	3	39	Good

Condition Sheet: SCRUB Habitat Type

UK Habitat Classification (UKHab) Habitat Type

Heathland and shrub - Blackthorn scrub
Heathland and shrub - Gorse scrub
Heathland and shrub - Hawthorn scrub
Heathland and shrub - Hazel scrub
Heathland and shrub - Mixed scrub
Heathland and shrub - Dunes with sea buckthorn (H2160)
Heathland and shrub - Willow scrub

Criteria	A		B		C		D		E		Number of criteria passed	Condition*
	The appearance and composition of vegetation closely matches its UKHab description (if in its natural range). - At least 80% of scrub is native. - At least three native woody species <sup>2</sup> . - No single species provides >75% of the cover (except hazel <i>Corylus avellana</i> , common juniper <i>Juniperus communis</i> , sea buckthorn <i>Hippophae rhamnoides</i> or box <i>Buxus sempervirens</i> , which can be up to 100% cover).		Seedlings, saplings, young shrubs and mature (or ancient or veteran <sup>3</sup> ) shrubs are all present.		An absence of invasive non-native plant species <sup>4</sup> (listed on Schedule 9 of WCA <sup>5</sup> ) and species indicative of suboptimal condition <sup>6</sup> make up <5% of ground cover.		A well-developed edge with scattered scrub and tall grassland and or forbs between the scrub and adjacent habitat.		There are clearings, glades or rides in the scrub that provide sheltered edges.			
	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications		
Parcel Reference/s	Current baseline											
6	TRUE		TRUE		TRUE		TRUE		FALSE		4	Moderate
12	TRUE		TRUE		TRUE		TRUE		TRUE		5	Good
16	TRUE		TRUE		TRUE		TRUE		FALSE		4	Moderate
21	TRUE		TRUE		TRUE		TRUE		FALSE		4	Moderate
26	TRUE		TRUE		TRUE		TRUE		TRUE		5	Good
30	TRUE		TRUE		TRUE		TRUE		FALSE		4	Moderate
32	TRUE		TRUE		TRUE		TRUE		TRUE		5	Good
39	FALSE		FALSE	Almost all mature willow	TRUE		FALSE		FALSE		1	Poor
71	TRUE		FALSE		TRUE		TRUE	Nettle and ferns on south	FALSE	Too small	3	Moderate
99	TRUE		FALSE		TRUE		FALSE		FALSE		2	Poor
Condition Assessment Result	*Condition Assessment											
Passes 5 criteria	Good (3)											
Passes 3 or 4 criteria	Moderate (2)											
Passes 2 or fewer criteria	Poor (1)											

Footnote 1 – Professional judgement should be used alongside the UKHab description.  
Footnote 2 – Native woody species as defined and listed in the Hedgerow Survey Handbook: DEFRA (2007) Hedgerow Survey Handbook: A standard procedure for local surveys in the UK. 2nd ed. [online]. Defra, London. PB1195. Available from: Hedgerow Survey Handbook (publishing.service.gov.uk).  
Footnote 3 – See gov.uk standing advice on ancient and veteran species. Available from: - Keepers of time: ancient and native woodland and trees policy in England (publishing.service.gov.uk)  
Ancient woodland, ancient trees and veteran trees: advice for making planning decisions – GOV.UK (www.gov.uk)  
Footnote 4 – Assess this for each distinct habitat parcel. If the distribution of invasive non-native species varies across the habitat, split into parcels accordingly, applying a buffer zone around the invasive non-native species with a size relative to its risk of spread into adjacent habitat, using professional judgement.  
Footnote 5 – Wildlife and Countryside Act 1981 (as amended).  
Footnote 6 – Species indicative of suboptimal condition for this habitat type may include: non-native conifers, tree-of-heaven *Ailanthus altissima*, holm oak *Quercus ilex*, European turkey oak *Quercus cerris*, cherry laurel *Prunus laurocerasus*, snowberry *Symphoricarpos* spp., shalton *Gaultheria*

Condition sheet: HEDGEROW Habitat Types

UK Habitat Classification (UKHab) Habitat Type

Native hedgerow  
Native hedgerow - associated with bank or ditch  
Native hedgerow with trees  
Native hedgerow with trees - associated with bank or ditch  
Species-rich native hedgerow  
Species-rich native hedgerow - associated with bank or ditch  
Species-rich native hedgerow with trees  
Species-rich native hedgerow with trees - associated with bank or ditch

Criteria	A1 Height		A2 Width		B1 Gap - hedge base		B2 Gap hedge canopy continuity		C1 Undisturbed ground and perennial vegetation		C2 Nutrient-enriched perennial vegetation		D1 Invasive and neophyte species		D2 Current damage		E1 Tree class		E2 Tree health		Number of criteria FAILED - hedge WITH trees	Number of criteria FAILED - hedge WITHOUT trees	Number functional groups with both attributes failed	Condition
	>1.5 m average length (estimated from base of stem to top of shoots, excl. bank, gaps or trees). Newly laid or coppiced pass criterion for up to 4 years (if undertaken following good practice). Newly planted does not pass (unless >1.5 m height).		>1.5 m average width (estimated at widest point of canopy, excl. gaps and trees). Outgrowths (e.g. blackthorn suckers) included if >0.5 m height. Laid, coppiced, cut and newly planted pass for up to 4 years (if undertaken following good practice).		Gap between ground and canopy base <0.5 m for >90% length. Exception (p.85 Hedgerow Survey Handbook): some (e.g. dominated by hazel or shaded by vegetation e.g. woodland) lack leafy growth at base - if primary/only reason for gap, add note and pass criterion.		Gaps <10% length; and no canopy gaps >5 m. (Gaps are complete breaks in the woody canopy.) Access points / gates contribute but are not subject to the >5 m criterion.		>1 m width of undisturbed ground with perennial herbs for >90% length: measured from outer edge of hedge and on one side of hedge min. Undisturbed ground for at least 90% of the length, >1 m wide, at least on 1 side of hedge.		Plant spp indicative of nutrient enrichment dominate <20% of undisturbed area. Indicator spp - nettles <i>Urtica</i> spp., cleavers <i>Galium aparine</i> and docks <i>Rumex</i> spp.		>90% of hedge and undisturbed ground free of invasive non-native plant spp (including those on Sch 9 WCA <sup>3</sup> ) and recently introduced spp (intro but naturalised since AD 1500 (neophytes). Archaeophytes count as natives - see <sup>4 5, 6 7.</sup>		>90% of hedge or undisturbed ground free of damage by humans (incl pollution, piles of manure / rubble, inappropriate management e.g. excess hedgerow cutting).		HEDGEROWS WITH TREES ONLY: >1 age-class (or morphology) of tree (e.g.: young, mature, veteran and or ancient <sup>6</sup> ), and on average at least 1 mature, ancient or veteran tree per 20 - 50m of hedge.		HEDGEROWS WITH TREES ONLY: At least 95% of hedgerow trees healthy condition (excl. veteran features valuable for wildlife). Little or no evidence of adverse impact from livestock / wild animals, pests / diseases, human activity.					
	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications				
Hedge reference	Current baseline																							
H1	TRUE	2m	TRUE	2m	TRUE		TRUE		FALSE	Road one side, track the other	TRUE		TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H2	TRUE	1.4m on top of bank	TRUE	2m	TRUE		TRUE		TRUE	Inc. road side	TRUE		FALSE	Sycamore	TRUE		FALSE		FALSE	One of the 3 trees is dead	3	N/A	1	Moderate
H3	TRUE	2.2m	TRUE	3m	FALSE		TRUE	Lots of gaps in understorey but canopy unbroken	TRUE		FALSE	Nettle and cleavers	TRUE		TRUE		FALSE	All mature	FALSE	One dead and one with dieback	4	N/A	1	Moderate
H4	TRUE	2m	TRUE	2m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H5	TRUE	2m	TRUE	2m	FALSE		FALSE	Large gap in middle of hedge	FALSE		FALSE	Nettle	TRUE		TRUE		TRUE		TRUE		3	N/A	1	Moderate
H6	TRUE	1.7m	TRUE	1.7m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H7	TRUE	10m	TRUE	2m	FALSE	Lots of gaps under standards	TRUE		TRUE		TRUE		TRUE		TRUE		FALSE		TRUE	1 dead	2	N/A	0	Good
H8	TRUE	2 to 15m	TRUE	2m	FALSE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		FALSE		2	N/A	0	Good
H9	TRUE	2.5m	TRUE	2m	TRUE		TRUE		TRUE		FALSE	Nettle	TRUE		TRUE		FALSE	Mature, all at either end of hedge	TRUE		2	N/A	0	Good
H10	TRUE	10m	TRUE	4m, backed by scrub	FALSE		TRUE		TRUE		FALSE	Nettle	TRUE		TRUE		TRUE		TRUE		2	N/A	0	Good
H11	FALSE	1m on top of bank	TRUE	2m	TRUE		TRUE		TRUE	North side dredged ditch	FALSE	Nettle along most of hedge	TRUE		FALSE	Ditch dredged	N/A		N/A		N/A	3	0	Moderate
H12	TRUE	2m with outgrowths	TRUE	2m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H13	TRUE	10m	TRUE	3m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		FALSE	All mature oak and ash	FALSE	One dead, some dieback	2	N/A	1	Moderate
H14	TRUE	10m	TRUE	3m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		FALSE	All mature oak and ash	FALSE	One dead, some dieback	2	N/A	1	Moderate
H16	TRUE	1.5-3m	TRUE	2m	FALSE		FALSE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	2	1	Moderate
H17	TRUE	2m	TRUE	2m	TRUE		TRUE		TRUE		FALSE	Nettle	TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H20	TRUE	2.2m	TRUE	2.5m	TRUE		TRUE		TRUE		FALSE	Nettle	TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H21	TRUE	2m on top of bank	TRUE	2m	TRUE		TRUE		TRUE		FALSE	Nettle along most of hedge	TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H22	TRUE	10m	TRUE	3m	TRUE		TRUE		TRUE		TRUE		TRUE		FALSE		FALSE	All mature oak	TRUE	Nettle	2	N/A	0	Good
H23	TRUE	2m	TRUE	2m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H24	TRUE	2m on top of bank	TRUE	2m	TRUE		TRUE		TRUE		FALSE	Nettle along most of hedge	TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H25	TRUE	2m on top of bank	TRUE	2m	TRUE		TRUE		TRUE		FALSE	Nettle along most of hedge	TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H26	TRUE	1.5m	TRUE	2.5m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H27	TRUE	2m	TRUE	2m	FALSE	Almost all the way along	TRUE		TRUE		FALSE	Nettle	TRUE		TRUE		N/A		N/A		N/A	2	0	Good
H28	TRUE	6-10m	TRUE	3m	FALSE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		1	N/A	0	Good
H29	TRUE	10m	TRUE	3m	TRUE		TRUE		TRUE		FALSE	Nettle	TRUE		TRUE		FALSE		TRUE		2	N/A	0	Good
H30	TRUE	1.7m	TRUE	1.5m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H31	TRUE	10m	TRUE	5m	TRUE		TRUE		TRUE		FALSE	Nettle	TRUE		TRUE		FALSE		FALSE	Dieback	3	N/A	1	Moderate
H32	TRUE	1.8m with similar height bank behind	TRUE	1.5m. 3m including bank	FALSE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H33	TRUE	2.2m	TRUE	2m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H36	TRUE	2m	TRUE	2m	FALSE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H38	TRUE	2m	TRUE	2.5m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H39	TRUE	2m	TRUE	2m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H40	TRUE	2m	TRUE	2m	FALSE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H41	TRUE	1.7m	TRUE	1.5m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H42	TRUE	1.7m	TRUE	2m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H43	TRUE	1.7 to 20m	TRUE	2 to 5m	TRUE		TRUE		FALSE	Maize crop	FALSE	Nettle	TRUE		FALSE	Ploughed to base	TRUE		TRUE		3	N/A	1	Moderate
H44	TRUE	2m	TRUE	2m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H45	TRUE	1.5-10m	TRUE		FALSE	Particularly in west	TRUE		TRUE		FALSE	Nettle, hogweed, creeping thistle	TRUE		TRUE		FALSE		FALSE	Dieback	4	N/A	1	Moderate
H46	TRUE	1.5-2m	TRUE	4m, possibly a double hedge with a ditch between bank on opposite field side and bramble on this side	TRUE		FALSE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H47	TRUE	2m	TRUE	2m	TRUE		TRUE		TRUE		TRUE	Some nettle	TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H48	TRUE	2.2m	TRUE	2.5m	FALSE	Some gaps but fenced	TRUE		TRUE		FALSE	Nettle and creeping thistle abundant	TRUE		TRUE		N/A		N/A		N/A	2	0	Good
H49	TRUE	2.2m	TRUE	2m	TRUE		TRUE		TRUE		FALSE	Nettle dominant	TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H51	TRUE	2m	TRUE	2m	FALSE	Gaps along 20%	TRUE		TRUE		TRUE		FALSE	Sycamore	TRUE		N/A		N/A		N/A	2	0	Good
H52	TRUE	15m	TRUE	4m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		0	N/A	0	Good
H53	FALSE	Cut to top of hedge bank - bluebells and bracken stick out of top	TRUE	2.5m	TRUE		TRUE		TRUE	Fenced from cows	TRUE		TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H54	FALSE	Cut to top of hedge bank - bluebells and bracken stick out of top	TRUE	2.5m	TRUE		TRUE		TRUE	Fenced from cows	TRUE		TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H55	TRUE	2m on bank	TRUE	2m	FALSE	Gaps most prevalent on road side	TRUE		TRUE		FALSE	Nettle on field side	TRUE		TRUE		N/A		N/A		N/A	2	0	Good
H56	TRUE	2m	TRUE	2.5m	FALSE	Very gappy	TRUE		TRUE		FALSE	Nettle	TRUE		TRUE		N/A		N/A		N/A	2	0	Good

H57	TRUE	2-6m	TRUE	4m over ditch	TRUE	Gappy on north side but south side complete	TRUE	As above	TRUE		TRUE		TRUE		TRUE		FALSE		FALSE	Some dead, some dieback	2	N/A	1	Moderate
H58	TRUE	2m	TRUE	2m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H59	TRUE	3m	TRUE	2m	FALSE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H60	TRUE	1.5m plus bank	TRUE	1.5m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H61	TRUE	2m	TRUE	2m	TRUE		TRUE		TRUE		FALSE	Nettle	TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H62	TRUE	3m	TRUE	3m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H63	TRUE	2.2m	TRUE	2.2m	FALSE	Lots of base gaps	TRUE	A couple of canopy gaps where cows push through	TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H64	FALSE	Some parts 1m	TRUE	1.5m	TRUE		TRUE		TRUE		FALSE	Nettle hogweed bracken	TRUE		TRUE		N/A		N/A		N/A	2	0	Good
H65	TRUE	1.5m gradually sloping to 2.5m in south	FALSE	1m	FALSE	Browsed by sheep, leggy	TRUE		TRUE		FALSE	Nettle	TRUE		TRUE		N/A		N/A		N/A	3	0	Moderate
H66	TRUE	1.6m	FALSE	1.2m	TRUE		TRUE		TRUE		FALSE	Nettle	TRUE		TRUE		N/A		N/A		N/A	2	0	Good
H67	TRUE	2.2m	TRUE	2.5m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H68	TRUE	2m	TRUE	2m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H69	TRUE	2m	TRUE	2m	FALSE	Patchy	TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H70	TRUE	6m	TRUE	6m	FALSE	Lots of gaps	TRUE		TRUE		TRUE		TRUE		TRUE		FALSE	Semi mature oaks	TRUE		2	N/A	0	Good
H71	TRUE	2m	TRUE	1.5m	TRUE		FALSE	Large gap halfway down 5m	TRUE		FALSE	Nettle	TRUE		TRUE		N/A		N/A		N/A	2	0	Good
H73	TRUE	2m in east, 2.5m in west beyond	TRUE	1.5m, 2m to west.	FALSE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H74	TRUE	1.5m	TRUE	1.5m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H75	TRUE	2.5m	TRUE	2.5m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H76	TRUE	2.5m	TRUE	4m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H77	TRUE	2-4m	TRUE	5m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H78	TRUE	2m	TRUE	2m	FALSE	Patchy	TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H79	TRUE	2.2m	TRUE	2.5m	TRUE		TRUE		TRUE		FALSE	Nettle	TRUE		TRUE		TRUE		TRUE		1	N/A	0	Good
H80	TRUE	2m	TRUE	4m	TRUE	Some gaps	TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H81	TRUE	2.5m	TRUE	2m	FALSE	1m gap over 50%	TRUE		TRUE		FALSE		TRUE		TRUE		N/A		N/A		N/A	2	0	Good
H82	TRUE	2.5m	TRUE	1.5m	FALSE		TRUE		FALSE	Poaching			TRUE		TRUE		N/A		N/A		N/A	2	0	Good
H83	TRUE	2m	TRUE	2m	TRUE		TRUE		TRUE		FALSE	Nettle	TRUE		TRUE		TRUE	Semi mature and mature	TRUE		1	N/A	0	Good
H84	TRUE	10m	TRUE	5m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		0	0	0	Good
H85	TRUE	2.2m	TRUE	2.5m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H86	TRUE	2m	TRUE	3m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H87	TRUE	2m	TRUE	2m + 1m on other side of ditch	TRUE		TRUE		TRUE		FALSE	Nettle	TRUE		TRUE		TRUE		TRUE		1	N/A	0	Good
H88	FALSE	1m on field side, 3m on track side due to bank	TRUE	1.5m	TRUE		TRUE		TRUE	On trackside, vertical	FALSE	Ancient woodland indicators present but cleavers, nettle, bracken prevalent	TRUE	Wilson's honeysuckle present	TRUE		N/A		N/A		N/A	2	0	Good
H89	TRUE	2.2m	TRUE	2.2m	FALSE		TRUE		TRUE		FALSE	Nettle	TRUE		FALSE	Livestock have broken through hedge bank in a couple of spots	TRUE		FALSE	Dieback	4	N/A	0	Moderate
H90	TRUE	2m	TRUE	4m	TRUE	Some gaps	TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H91	TRUE	2.2m	TRUE	2.2m	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H92	TRUE	2.5m	TRUE	2.5m	FALSE	Gaps present	TRUE		TRUE		FALSE	Bramble and nettle	TRUE		TRUE		N/A		N/A		N/A	2	0	Good
H93	TRUE	4m	TRUE	3m	TRUE		TRUE		TRUE		FALSE		TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H94	FALSE		FALSE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		2	N/A	1	Moderate
H95	TRUE	2m	TRUE	4m	TRUE	Some gaps	TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good
H96	TRUE	4m	TRUE	3.5m	FALSE	Gaps semi regular, most obvious around trees in south	TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H97	TRUE	2-5m	TRUE	3m	TRUE	Some gaps under willows	FALSE	Some larger gaps but infrequent	TRUE		FALSE		TRUE		FALSE	Some dumped bricks and plastic	FALSE	All mature grey willow	TRUE		4	N/A	0	Moderate
H98	TRUE	4m	TRUE	4m	TRUE		TRUE		TRUE		FALSE	Nettle and cleavers	TRUE		TRUE		N/A		N/A		N/A	1	0	Good
H99	TRUE	1.5	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A	0	0	Good

Condition categories for hedgerows without trees			Condition categories for hedgerows with trees		
Category	Category Requirements	Metric Score	Category	Category Requirements	Metric score
Good	No more than 2 failures in total; <b>AND</b> No more than 1 failure in any functional group.	3	Good	No more than 2 failures in total; <b>AND</b> No more than 1 failure in any functional group.	3
Moderate	No more than 4 failures in total; <b>AND</b> Does not fail both attributes in more than one functional group (for example, fails attributes A1, A2, B1 and C2 = Moderate condition).	2	Moderate	No more than 5 failures in total; <b>AND</b> Does not fail both attributes in more than one functional group (for example, fails attributes A1, A2, B1, C2 and E1 = Moderate condition).	2
Poor	Fails a total of more than 4 attributes; <b>OR</b> Fails both attributes in more than one functional group (for example, fails attributes A1, A2, B1 and B2 = Poor condition).	1	Poor	Fails a total of more than 5 attributes; <b>OR</b> Fails both attributes in more than one functional group (for example, fails attributes A1, A2, B1 and B2 = Poor condition).	1

**Footnotes**  
**Footnote 1** – DEFRA (2007) *Hedgerow Survey Handbook. A standard procedure for local surveys in the UK.* [online] Available on: [layout \(hedgelink.org.uk\)](https://hedgelink.org.uk)  
**Footnote 2** – STALEY, J.T. ET AL. (2020) *Definition of Favourable Conservation Status for Hedgerows.* [online] Available on: [Definition of Favourable Conservation Status for Hedgerows - RP2943 \(natur](#)  
**Footnote 3** – Wildlife and Countryside Act 1981 (as amended).  
**Footnote 4** – CHEFFINGS, C. M. et al. (2005) *The Vascular Plant Red Data List for Great Britain.* Species Status 7: 1-116. [online] [The Vascular Plant Red Data List for Great Britain \(Species Status No. 7\) | JNCC Resource Hub](#)  
**Footnote 5** – BOTANICAL SOCIETY OF BRITAIN AND IRELAND (BSBI). *Definitions: wild, native or alien?* [online] Available on: [Definitions: wild, native or alien? – Botanical Society of Britain & Ireland \(bsb](#)  
**Footnote 6** – BSBI and Biological Records Centre (BRC) (2022) *Online Atlas of the British and Irish Flora.* [online] Available on: [Acknowledgements | Online Atlas of the British and Irish Flora \(brc.ac.uk\)](#)  
**Footnote 7** – GB NON-NATIVE SPECIES SECRETARIAT (GBNNS) (2022) Available on:

[Home » NNSS \(nonnativespecies.org\)](#)

**Footnote 8** – See gov.uk standing advice on ancient and veteran trees. Available from:

[Keepers of time: ancient and native woodland and trees policy in England \(publishing.service.gov.uk\)](#)  
and

[Ancient woodland, ancient trees and veteran trees: advice for making planning decisions - GOV.UK](#)

Condition Sheet: DITCH Habitat Type

UK Habitat Classification (UKHab) Habitat Type																		
Watercourses - Ditches																		
Criteria	A		B		C		D		E		F		G		H		Number of criteria passed	Condition*
	The ditch is of good water quality and clear water (low turbidity) indicating no obvious pollution.		A range of emergent, submerged and floating-leaved plants, i.e. >10 species of each plants per 20 m length.		<10% cover of filamentous algae and/or duckweed species (as signs of eutrophication).		A fringe of aquatic marginal vegetation is present along more than 75% of the ditch.		Physical damage evident along <5% of ditch, with e.g.s of damage including: excessive poaching, damage from machinery or storage.		Sufficient water levels maintained, i.e. min. summer depth approx. 50 cm in minor ditches and 1 m in main drains.		Less than 10% of the ditch is heavily shaded.		Absence of non-native plant and animal species1.			
	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications		
Parcel Reference/s	Current baseline																	
H34	FALSE	No water currently	FALSE	Dominated by hemlock water dropwort and fool's watercress	TRUE		TRUE		TRUE		FALSE		TRUE		TRUE		5	Poor
																	0	
																	0	
																	0	
																	0	

Condition Assessment Result (out of 8 criteria)	Condition Assessment Score
Passes 8 criteria	Good (3)
Passes 6 or 7 criteria	Moderate (2)
Passes 5 or fewer criteria	Poor (1)

Footnotes

**Footnote 1** – This includes any species listed on the Water Framework Directive UKTAG GB High Impact Species List: Water Framework Directive (WFD) UKTAG (2021) *Classification of aquatic alien species according to their level of impact* [online]. [UKTAG classification of alien species working paper v8.pdf \(wfd.uk.org\)](#)

• Frequently occurring non-native plant species include water fern *Azolla filiculoides* , Australian swamp stonecrop *Crassula helmsii* , parrot's feather *Myriophyllum aquaticum* , floating pennywort *Hydrocotyle ranunculoides* , Japanese knotweed *Reynoutria*



Condition Sheet: WETLAND Habitat Type

UK Habitat Classification (UKHab) Habitat Type

Grassland - Floodplain wetland mosaic and CFGM - See the Statutory Biodiversity Metric User Guide.

Wetland - Blanket bog

Wetland - Depression on peat substrates (H7150)

Wetland - Fens (upland and lowland)

Wetland - Lowland raised bog

Wetland - Oceanic valley mire [1] (D2.1)

Wetland - Purple moor grass and rush pastures

Wetland - Reedbeds

Wetland - Transition mires and quaking bogs (H7140)

Criteria	A		B		C		D		E		F		G		H		I		J		Essential criterion for good condition achieved	Essential criterion for habitat type condition achieved	Number of criteria passed	Condition*
	The water table is at, or near the surface throughout the year - this could be open water or saturation of soil at the surface. There is no artificial drainage, unless specifically to maintain water levels as specified above. <b>Note - this criterion is essential for achieving Good condition.</b>		The parcel represents a good example of its specific habitat type - the appearance and composition of the vegetation closely matches its UKHab description, with vascular and non-vascular characteristic indicator species consistently present. <sup>1</sup>		The water supplies (groundwater, surface water and or rainwater) to the wetland are of good water quality, with clear water (low turbidity) indicating no obvious signs of pollution.		Cover of scrub and scattered trees are less than 10%.		Cover of bare ground is less than 5%.		There is an absence of invasive non-native plant species <sup>2</sup> (as listed on Schedule 9 of WCA <sup>3</sup> ) and species indicative of suboptimal condition <sup>4</sup> make up less than 5% of ground cover.		<b>Must be assessed for Fen and Purple moor grass and rush pasture habitats only:</b> No more than 25% of the habitat area has a continuous cover of litter (such as dead vegetation) preventing regeneration.		<b>Must be assessed for Bog habitats only:</b> Sphagnum moss Sphagnum spp. and cottongrasses Eriophorum spp. are at least Frequent <sup>5</sup> . Cover of ericaceous dwarf shrubs <sup>6</sup> is less than 75%.		<b>Must be assessed for Reedbed habitats only:</b> The reedbed has a diverse structure with between 60% and 80% reeds Phragmites australis. Other areas may include open water (at least 10%), species-rich fen and or wet woodland.		<b>Must be assessed for Floodplain wetland mosaic and CFGM only:</b> All ditches recorded within the habitat achieve Good condition as assessed using the Ditch condition sheet.					
	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications				
	Parcel Reference/s																							
2	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A		TRUE	TRUE	7	Good
13	FALSE	On slope, water present at southern end of field	FALSE		TRUE		FALSE	Bramble	TRUE		TRUE		FALSE	Dense stands of rush	N/A		N/A		N/A		FALSE	FALSE	3	Poor
17	TRUE		TRUE		TRUE		TRUE		TRUE		FALSE	Creeping buttercup abundant	TRUE		N/A		N/A		N/A		TRUE	TRUE	6	Good
22	FALSE		FALSE		TRUE	Assumed - no water present	FALSE	Scattered bramble	FALSE	Poaching in wetter areas	TRUE		TRUE		N/A		N/A		N/A		FALSE	TRUE	3	Poor
24	TRUE		FALSE		TRUE		TRUE		TRUE		TRUE		FALSE	Some dense tussocks of soft rush covering 50% of field.	N/A		N/A		N/A		TRUE	FALSE	5	Moderate
33	TRUE		FALSE		TRUE		FALSE		FALSE		TRUE		TRUE		N/A		N/A		N/A		TRUE	TRUE	4	Moderate
34	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		TRUE		N/A		TRUE	TRUE	7	Good
37	TRUE		TRUE	Edges rank and scrubby	TRUE		FALSE		TRUE		TRUE		TRUE		N/A		N/A		N/A		TRUE	TRUE	6	Good
41	TRUE		FALSE	Rush cover patchy although overall close to 50%	TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A		TRUE	TRUE	6	Good
45	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A		TRUE	TRUE	7	Good
52	FALSE		FALSE		TRUE		TRUE		TRUE		FALSE	Creeping buttercup very common	TRUE		N/A		N/A		N/A		FALSE	TRUE	4	Moderate
59	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A		TRUE	TRUE	7	Good
100	TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		TRUE		N/A		N/A		N/A		TRUE	TRUE	7	Good

Condition Assessment Result	Condition Assessment Score
<b>Results for habitats requiring assessment of 6 criteria</b> (Depression on peat substrates (H7150) and Oceanic valley mire [1] (D2.1)):	
Passes 5 or 6 core criteria, including criterion A.	Good (3)
Passes 3 or 4 core criteria; OR Passes 5 core criteria but fails criterion A.	Moderate (2)
Passes 2 or fewer core criteria.	Poor (1)
<b>Results for habitats requiring assessment of 7 criteria - core criteria and additional criterion specified for habitat type - all habitat types except Depression on peat substrates</b>	
Passes 5 or 6 core criteria including criterion A; AND Passes additional criterion G, H, I or J (choose the one specified for the habitat type).	Good (3)
Passes 4 or 5 of 7 criteria; OR Passes 6 of 7 criteria but fails criterion A or additional criterion G, H, I or J (choose the one specified for the habitat type).	Moderate (2)
Passes 3 or fewer criteria.	Poor (1)

Footnotes

**Footnote 1** – Professional judgement should be used alongside the UKHab description.

**Footnote 2** – Assess this for each distinct habitat parcel. If the distribution of invasive non-native species varies across the habitat, split into parcels accordingly, applying a buffer zone around the invasive non-native species with a size relative to its risk of spread into adjacent habitat, using professional judgement.

**Footnote 3** – Wildlife and Countryside Act 1981 (as amended).

**Footnote 4** – Species indicative of suboptimal condition for this habitat type include: creeping thistle *Cirsium arvense* , spear thistle *Cirsium vulgare* , common nettle *Urtica dioica* , docks *Rumex* spp., and common ragwort *Jacobaea vulgaris* .There may be additional relevant

## Condition Sheet: LINE OF TREES Habitat Type

UK Habitat Classification (UKHab) Habitat Type

Line of trees

Line of trees – associated with bank or ditch

Ecologically valuable line of trees

Ecologically valuable line of trees – associated with bank or ditch

Criteria	A		B		C		D		E		Number of criteria passed	Condition*
	At least 70% of trees are native species.		Tree canopy predominantly continuous with gaps <10% of total area and no individual gap >5 m wide.		1 or more trees with veteran features and/or natural niches for vertebrates and invertebrates, e.g. deadwood, cavities, ivy, loose bark.		Undisturbed naturally-vegetated strip 6 m+ wide, <i>both</i> sides, to protect from man-made impacts (excl. grazing). Veteran trees - root protection area to follow standing advice <sup>2</sup> .		At least 95% of trees healthy (deadwood / veteran features valuable for wildlife excluded). Little or no adverse impact on tree health by animals, pests / diseases / humans.			
	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications	Criterion passed (TRUE / FALSE)	Notes / Justifications		
Parcel Reference/s	Current baseline											
H37	TRUE		TRUE		FALSE		FALSE		TRUE		3	Moderate
Condition Assessment Result (out of 5 criteria)		Condition Assessment Score										
Passes 5 criteria		Good (3)										
Passes 3 or 4 criteria		Moderate (2)										
Passes 2 or fewer criteria		Poor (1)										

### Footnotes

**Footnote 1** – DEFRA (2007) *Hedgerow Survey Handbook: A standard procedure for local surveys in the UK*. 2nd ed [online]. Defra, London. PB1195. Available from: Hedgerow Survey Handbook (publishing.service.gov.uk).

**Footnote 2** – Where ancient and veteran trees are present, see gov.uk standing advice on ancient and veteran trees. Available from:

[Keepers of time: ancient and native woodland and trees policy in England \(publishing.service.gov.uk\)](https://publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/61444/Keepers_of_time_-_ancient_and_native_woodland_and_trees_policy_in_England.pdf)

[Ancient woodland, ancient trees and veteran trees: advice for making planning decisions - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/61444/Ancient_woodland_ancient_trees_and_veteran_trees_advice_for_making_planning_decisions.pdf)

## **Appendix D      Species Lists**



Parcel Reference (Figure 2)	Primary Habitat Type	Quadrat	Species	Scientific	DAFOR
33	Purple moor-grass and rush pastures	2	Water Mint	<i>Mentha aquatica</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	2	Lesser Spearwort	<i>Ranunculus flammula</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	2	Creeping Buttercup	<i>Ranunculus repens</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	2	Ragged robin	<i>Silene flos-cuculi</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	1	Marsh-bedstraw	<i>Galium palustre</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	1	Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	1	Red Fescue	<i>Festuca rubra</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	2	Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	2	Wild Angelica	<i>Angelica sylvestris</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	2	Moss sp	Other	Occasional (10-25%)
33	Purple moor-grass and rush pastures	2	Meadowsweet	<i>Filipendula ulmaria</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	2	Marsh ragwort	<i>Jacobaea aquatica</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	0	Ragged robin	<i>Silene flos-cuculi</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	2	Soft-rush	<i>Juncus effusus</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	0	Water Forget-me-not	<i>Myosotis scorpioides</i>	Occasional (10-25%)
33	Purple moor-grass and rush pastures	2	Sharp-flowered Rush	<i>Juncus acutiflorus</i>	Dominant (> 50%)
33	Purple moor-grass and rush pastures	2	Yorkshire-fog	<i>Holcus lanatus</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	2	Red Fescue	<i>Festuca rubra</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	3	Sharp-flowered Rush	<i>Juncus acutiflorus</i>	Abundant (33-50%)
33	Purple moor-grass and rush pastures	3	Whorled Caraway	<i>Carum verticillatum</i>	Occasional (10-25%)
33	Purple moor-grass and rush pastures	3	Marsh ragwort	<i>Jacobaea aquatica</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	0	Whorled Caraway	<i>Carum verticillatum</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	3	Lesser Spearwort	<i>Ranunculus flammula</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	3	Sweet Vernal-grass	<i>Anthoxanthum odoratum</i>	Abundant (33-50%)
33	Purple moor-grass and rush pastures	3	Common Bird's-foot-trefoil	<i>Lotus corniculatus</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	3	Meadow Buttercup	<i>Ranunculus acris</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	3	Field Wood-rush	<i>Luzula campestris</i>	Rare (0.1 -10%)
34	Purple moor-grass and rush pastures	1	Soft-rush	<i>Juncus effusus</i>	Rare (0.1 -10%)
34	Purple moor-grass and rush pastures	1	Water Mint	<i>Mentha aquatica</i>	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	0	Bramble	<i>Rubus fruticosus agg.</i>	Occasional (10-25%)
34	Purple moor-grass and rush pastures	1	Red Fescue	<i>Festuca rubra</i>	Rare (0.1 -10%)
34	Purple moor-grass and rush pastures	1	Sharp-flowered Rush	<i>Juncus acutiflorus</i>	Dominant (> 50%)
34	Purple moor-grass and rush pastures	1	Ragged robin	<i>Silene flos-cuculi</i>	Rare (0.1 -10%)
34	Purple moor-grass and rush pastures	1	Wild Angelica	<i>Angelica sylvestris</i>	Rare (0.1 -10%)
H37	Woodland and forest	0	Ash	<i>Fraxinus excelsior</i>	Abundant (33-50%)
39	Willow scrub	0	Hemlock Water-dropwort	<i>Oenanthe crocata</i>	Rare (0.1 -10%)
39	Willow scrub	0	Pedunculate Oak	<i>Quercus robur</i>	Rare (0.1 -10%)
H37	Woodland and forest	0	Pedunculate Oak	<i>Quercus robur</i>	Frequent (25-33%)
H37	Woodland and forest	0	Sycamore	<i>Acer pseudoplatanus</i>	Frequent (25-33%)
3	Wet woodland	0	Blackthorn	<i>Prunus spinosa</i>	Rare (0.1 -10%)
3	Wet woodland	0	Silver Birch	<i>Betula pendula</i>	Rare (0.1 -10%)
3	Wet woodland	0	Alder	<i>Alnus glutinosa</i>	Dominant (> 50%)
39	Willow scrub	0	Hazel	<i>Corylus avellana</i>	Rare (0.1 -10%)
39	Willow scrub	0	Willow sp.	<i>Salix sp.</i>	Dominant (> 50%)
H46	Species-rich native hedgerow	0	Hawthorn	<i>Crataegus monogyna</i>	Occasional (10-25%)
H46	Species-rich native hedgerow	0	Aspen	<i>Populus tremula</i>	Rare (0.1 -10%)
H46	Species-rich native hedgerow	0	Honeysuckle	<i>Lonicera periclymenum</i>	Occasional (10-25%)
H46	Species-rich native hedgerow	0	Dog-rose	<i>Rosa canina</i>	Occasional (10-25%)
H46	Species-rich native hedgerow	0	Rowan	<i>Sorbus aucuparia</i>	Rare (0.1 -10%)
H46	Species-rich native hedgerow	0	Sycamore	<i>Acer pseudoplatanus</i>	Rare (0.1 -10%)
H46	Species-rich native hedgerow	0	Guelder-rose	<i>Viburnum opulus</i>	Rare (0.1 -10%)
H46	Species-rich native hedgerow	0	Grey Willow	<i>Salix cinerea</i>	Rare (0.1 -10%)
H46	Species-rich native hedgerow	0	Blackthorn	<i>Prunus spinosa</i>	Rare (0.1 -10%)
H57	Species-rich native hedgerow	0	Ash	<i>Fraxinus excelsior</i>	Occasional (10-25%)
H57	Species-rich native hedgerow	0	Hazel	<i>Corylus avellana</i>	Occasional (10-25%)
H57	Species-rich native hedgerow	0	Gorse	<i>Ulex europaeus</i>	Rare (0.1 -10%)
H57	Species-rich native hedgerow	0	Hawthorn	<i>Crataegus monogyna</i>	Occasional (10-25%)
H57	Species-rich native hedgerow	0	Willow sp.	<i>Salix sp.</i>	Rare (0.1 -10%)
H57	Species-rich native hedgerow	0	Dog-rose	<i>Rosa canina</i>	Rare (0.1 -10%)
H57	Species-rich native hedgerow	0	Blackthorn	<i>Prunus spinosa</i>	Occasional (10-25%)
H57	Species-rich native hedgerow	0	Pedunculate Oak	<i>Quercus robur</i>	Occasional (10-25%)
H57	Species-rich native hedgerow	0	Dark-leaved Willow	<i>Salix myrsinifolia</i>	Rare (0.1 -10%)
H57	Species-rich native hedgerow	0	Holly	<i>Ilex aquifolium</i>	Rare (0.1 -10%)
H12	Species-rich native hedgerow	0	Blackthorn	<i>Prunus spinosa</i>	Frequent (25-33%)
H12	Species-rich native hedgerow	0	Hawthorn	<i>Crataegus monogyna</i>	Frequent (25-33%)
H26	Species-rich native hedgerow	0	Elder	<i>Sambucus nigra</i>	Rare (0.1 -10%)
H12	Species-rich native hedgerow	0	Wych Elm	<i>Ulmus glabra</i>	Occasional (10-25%)
H26	Species-rich native hedgerow	0	Hazel	<i>Corylus avellana</i>	Occasional (10-25%)
H26	Species-rich native hedgerow	0	Blackthorn	<i>Prunus spinosa</i>	Frequent (25-33%)
H12	Species-rich native hedgerow	0	Hazel	<i>Corylus avellana</i>	Occasional (10-25%)
H26	Species-rich native hedgerow	0	Pedunculate Oak	<i>Quercus robur</i>	Rare (0.1 -10%)
H12	Species-rich native hedgerow	0	Holly	<i>Ilex aquifolium</i>	Rare (0.1 -10%)
H24	Species-rich native hedgerow	0	Gorse	<i>Ulex europaeus</i>	Rare (0.1 -10%)
H17	Species-rich native hedgerow	0	Elder	<i>Sambucus nigra</i>	Rare (0.1 -10%)
H17	Species-rich native hedgerow	0	Blackthorn	<i>Prunus spinosa</i>	Frequent (25-33%)
H17	Species-rich native hedgerow	0	Honeysuckle	<i>Lonicera periclymenum</i>	Rare (0.1 -10%)
H20	Species-rich native hedgerow	0	Ash	<i>Fraxinus excelsior</i>	Rare (0.1 -10%)
H20	Species-rich native hedgerow	0	Hazel	<i>Corylus avellana</i>	Occasional (10-25%)
H20	Species-rich native hedgerow	0	Blackthorn	<i>Prunus spinosa</i>	Abundant (33-50%)
H20	Species-rich native hedgerow	0	Dog-rose	<i>Rosa canina</i>	Rare (0.1 -10%)
H20	Species-rich native hedgerow	0	Holly	<i>Ilex aquifolium</i>	Rare (0.1 -10%)
H20	Species-rich native hedgerow	0	Hawthorn	<i>Crataegus monogyna</i>	Occasional (10-25%)
H20	Species-rich native hedgerow	0	Elder	<i>Sambucus nigra</i>	Rare (0.1 -10%)
H20	Species-rich native hedgerow	0	Sycamore	<i>Acer pseudoplatanus</i>	Rare (0.1 -10%)
H20	Species-rich native hedgerow	0	Pedunculate Oak	<i>Quercus robur</i>	Rare (0.1 -10%)
H26	Species-rich native hedgerow	0	Wild Cherry	<i>Prunus avium</i>	Rare (0.1 -10%)
H26	Species-rich native hedgerow	0	Bramble	<i>Rubus fruticosus agg.</i>	Rare (0.1 -10%)
H26	Species-rich native hedgerow	0	Holly	<i>Ilex aquifolium</i>	Rare (0.1 -10%)
H26	Species-rich native hedgerow	0	Dog-rose	<i>Rosa canina</i>	Rare (0.1 -10%)
H26	Species-rich native hedgerow	0	Hawthorn	<i>Crataegus monogyna</i>	Frequent (25-33%)
81	Other neutral grassland	2	Red Clover	<i>Trifolium pratense</i>	Occasional (10-25%)
81	Other neutral grassland	2	Meadow Buttercup	<i>Ranunculus acris</i>	Occasional (10-25%)
81	Other neutral grassland	1	Common Mouse-ear	<i>Cerastium fontanum</i>	Rare (0.1 -10%)
81	Other neutral grassland	0	Cuckooflower	<i>Cardamine pratensis</i>	Rare (0.1 -10%)
81	Other neutral grassland	2	Creeping Bent	<i>Agrostis stolonifera</i>	Frequent (25-33%)
81	Other neutral grassland	2	Soft-brome	<i>Bromus hordeaceus</i>	Abundant (33-50%)
81	Other neutral grassland	2	Sweet Vernal-grass	<i>Anthoxanthum odoratum</i>	Occasional (10-25%)
81	Other neutral grassland	2	Perennial Rye-grass	<i>Lolium perenne</i>	Occasional (10-25%)
81	Other neutral grassland	2	Common Mouse-ear	<i>Cerastium fontanum</i>	Rare (0.1 -10%)
81	Other neutral grassland	3	Lesser Spearwort	<i>Ranunculus flammula</i>	Occasional (10-25%)
H17	Species-rich native hedgerow	0	Pedunculate Oak	<i>Quercus robur</i>	Occasional (10-25%)
H17	Species-rich native hedgerow	0	Holly	<i>Ilex aquifolium</i>	Rare (0.1 -10%)
H44	Species-rich native hedgerow	0	Dog-rose	<i>Rosa canina</i>	Rare (0.1 -10%)
H44	Species-rich native hedgerow	0	Pedunculate Oak	<i>Quercus robur</i>	Rare (0.1 -10%)
H44	Species-rich native hedgerow	0	Hazel	<i>Corylus avellana</i>	Frequent (25-33%)
H44	Species-rich native hedgerow	0	Honeysuckle	<i>Lonicera periclymenum</i>	Occasional (10-25%)
H39	Species-rich native hedgerow	0	Pedunculate Oak	<i>Quercus robur</i>	Rare (0.1 -10%)
H8	Species-rich native hedgerow	0	Pedunculate Oak	<i>Quercus robur</i>	Abundant (33-50%)
H8	Species-rich native hedgerow	0	Dog-rose	<i>Rosa canina</i>	Rare (0.1 -10%)
H8	Species-rich native hedgerow	0	Ash	<i>Fraxinus excelsior</i>	Frequent (25-33%)
H10	Species-rich native hedgerow	0	Hawthorn	<i>Crataegus monogyna</i>	Frequent (25-33%)
H10	Species-rich native hedgerow	0	Pedunculate Oak	<i>Quercus robur</i>	Abundant (33-50%)
H10	Species-rich native hedgerow	0	Hazel	<i>Corylus avellana</i>	Frequent (25-33%)

H8	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H10	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H27	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H10	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Occasional (10-25%)
H27	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Frequent (25-33%)
H27	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Occasional (10-25%)
H27	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Rare (0.1 -10%)
H27	Species-rich native hedgerow	0	Hop	Humulus lupulus	Rare (0.1 -10%)
H27	Species-rich native hedgerow	0	Gelder-rose	Viburnum opulus	Rare (0.1 -10%)
H27	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H27	Species-rich native hedgerow	0	Wild Cherry	Prunus avium	Rare (0.1 -10%)
H27	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Rare (0.1 -10%)
H23	Species-rich native hedgerow	0	Gorse	Ulex europaeus	Rare (0.1 -10%)
H23	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H23	Species-rich native hedgerow	0	Hazel	Corylus avellana	Abundant (33-50%)
H23	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H23	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H23	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
H23	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H23	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Rare (0.1 -10%)
H17	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Frequent (25-33%)
H17	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
81	Other neutral grassland	3	Betony	Betonica officinalis	Rare (0.1 -10%)
81	Other neutral grassland	3	Cuckooflower	Cardamine pratensis	Occasional (10-25%)
81	Other neutral grassland	3	Crested Dog's-tail	Cynosurus cristatus	Rare (0.1 -10%)
81	Other neutral grassland	3	Sweet Vernal-grass	Anthoxanthum odoratum	Abundant (33-50%)
81	Other neutral grassland	3	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
81	Other neutral grassland	3	Soft-brome	Bromus hordeaceus	Occasional (10-25%)
81	Other neutral grassland	3	carex brizoides	Other	Rare (0.1 -10%)
81	Other neutral grassland	3	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
81	Other neutral grassland	3	Marsh-bedstraw	Galium palustre	Rare (0.1 -10%)
81	Other neutral grassland	3	White Clover	Trifolium repens	Rare (0.1 -10%)
81	Other neutral grassland	3	Ragged robin	Silene flos-cuculi	Rare (0.1 -10%)
H39	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H39	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H39	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H39	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Abundant (33-50%)
H39	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H39	Species-rich native hedgerow	0	Japanese Rose	Rosa rugosa	Rare (0.1 -10%)
H8	Species-rich native hedgerow	0	Willow sp.	Salix sp.	Occasional (10-25%)
H8	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H8	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
80	Other neutral grassland	1	Soft-brome	Bromus hordeaceus	Rare (0.1 -10%)
80	Other neutral grassland	1	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
66	Other neutral grassland	0	Lesser Spearwort	Ranunculus flammula	Rare (0.1 -10%)
81	Other neutral grassland	3	Common Bird's-foot-trefoil	Lotus corniculatus	Rare (0.1 -10%)
66	Other neutral grassland	0	Yorkshire-fog	Holcus lanatus	Occasional (10-25%)
66	Other neutral grassland	0	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
66	Other neutral grassland	0	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
66	Other neutral grassland	0	Soft-rush	Juncus effusus	Frequent (25-33%)
66	Other neutral grassland	0	Red Clover	Trifolium pratense	Rare (0.1 -10%)
66	Other neutral grassland	0	Lesser Trefoil	Trifolium dubium	Rare (0.1 -10%)
66	Other neutral grassland	0	White Clover	Trifolium repens	Rare (0.1 -10%)
80	Other neutral grassland	2	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
80	Other neutral grassland	0	Hairy Sedge	Carex hirta	Rare (0.1 -10%)
80	Other neutral grassland	2	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
80	Other neutral grassland	2	Perennial Rye-grass	Lolium perenne	Rare (0.1 -10%)
80	Other neutral grassland	2	Yorkshire-fog	Holcus lanatus	Occasional (10-25%)
66	Other neutral grassland	0	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
66	Other neutral grassland	0	Daisy	Bellis perennis	Rare (0.1 -10%)
80	Other neutral grassland	2	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
80	Other neutral grassland	2	Soft-brome	Bromus hordeaceus	Rare (0.1 -10%)
80	Other neutral grassland	2	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
80	Other neutral grassland	1	Yorkshire-fog	Holcus lanatus	Occasional (10-25%)
80	Other neutral grassland	1	Red Clover	Trifolium pratense	Abundant (33-50%)
80	Other neutral grassland	2	Smooth Meadow-grass	Poa pratensis	Rare (0.1 -10%)
80	Other neutral grassland	1	Sweet Vernal-grass	Anthoxanthum odoratum	Occasional (10-25%)
80	Other neutral grassland	1	Crested Dog's-tail	Cynosurus cristatus	Occasional (10-25%)
H24	Species-rich native hedgerow	0	Hazel	Corylus avellana	Frequent (25-33%)
H24	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H24	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H24	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H24	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
H24	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H40	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H40	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H40	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Occasional (10-25%)
H40	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
H40	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H36	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H40	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H36	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H28	Species-rich native hedgerow	0	Gelder-rose	Viburnum opulus	Rare (0.1 -10%)
H36	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H87	Species-rich native hedgerow	0	Elder	Sambucus nigra	Occasional (10-25%)
H87	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Rare (0.1 -10%)
H87	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H87	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H79	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H87	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H87	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H79	Species-rich native hedgerow	0	Elder	Sambucus nigra	Occasional (10-25%)
H79	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Occasional (10-25%)
H87	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Occasional (10-25%)
H87	Species-rich native hedgerow	0	Hazel	Corylus avellana	Rare (0.1 -10%)
H31	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H22	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H22	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H22	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H29	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H9	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H9	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H9	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Frequent (25-33%)
H13	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H9	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
H9	Species-rich native hedgerow	0	Eared Willow	Salix aurita	Rare (0.1 -10%)
H9	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H9	Species-rich native hedgerow	0	Hazel	Corylus avellana	Frequent (25-33%)
H16	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
H16	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Occasional (10-25%)
H22	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Occasional (10-25%)
H16	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H16	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H22	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H9	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H22	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H16	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)

H16	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H22	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H22	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Dominant (> 50%)
H29	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H29	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H29	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H31	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H29	Species-rich native hedgerow	0	Eared Willow	Salix aurita	Rare (0.1 -10%)
H29	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Dominant (> 50%)
H29	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H29	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Rare (0.1 -10%)
H31	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Abundant (33-50%)
H31	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Occasional (10-25%)
H31	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H21	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Occasional (10-25%)
H31	Species-rich native hedgerow	0	Gorse	Ulex europaeus	Occasional (10-25%)
H31	Species-rich native hedgerow	0	Beech	Fagus sylvatica	Rare (0.1 -10%)
H31	Species-rich native hedgerow	0	Eared Willow	Salix aurita	Occasional (10-25%)
H31	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H31	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Rare (0.1 -10%)
H31	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H31	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Occasional (10-25%)
61	Other neutral grassland	0	Yorkshire-fog	Holcus lanatus	Occasional (10-25%)
61	Other neutral grassland	0	Soft-brome	Bromus hordeaceus	Rare (0.1 -10%)
61	Other neutral grassland	0	Cock's-foot	Dactylis glomerata	Rare (0.1 -10%)
H21	Species-rich native hedgerow	0	Common Nettle	Urtica dioica	Dominant (> 50%)
H21	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Occasional (10-25%)
H21	Species-rich native hedgerow	0	fern sp	Other	Frequent (25-33%)
H21	Species-rich native hedgerow	0	Hazel	Corylus avellana	Frequent (25-33%)
H21	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
H21	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H21	Species-rich native hedgerow	0	Bracken	Pteridium aquilinum	Occasional (10-25%)
H21	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H21	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H21	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H21	Species-rich native hedgerow	0	Gorse	Ulex europaeus	Rare (0.1 -10%)
H24	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Occasional (10-25%)
H24	Species-rich native hedgerow	0	Common Nettle	Urtica dioica	Dominant (> 50%)
H24	Species-rich native hedgerow	0	Bracken	Pteridium aquilinum	Occasional (10-25%)
H24	Species-rich native hedgerow	0	fern sp	Other	Frequent (25-33%)
H84	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Dominant (> 50%)
H38	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H38	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H84	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Abundant (33-50%)
H84	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Frequent (25-33%)
H84	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H38	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H84	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H38	Species-rich native hedgerow	0	Hemlock Water-dropwort	Oenanthe crocata	Dominant (> 50%)
H38	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H38	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Rare (0.1 -10%)
H38	Species-rich native hedgerow	0	Ragged robin	Silene flos-cuculi	Rare (0.1 -10%)
H38	Species-rich native hedgerow	0	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
H38	Species-rich native hedgerow	0	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
H38	Species-rich native hedgerow	0	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
H38	Species-rich native hedgerow	0	Fool's Watercress	Helosciadium nodiflorum	Frequent (25-33%)
H38	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Occasional (10-25%)
H28	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H28	Species-rich native hedgerow	0	Rosebay Willowherb	Chamaenerion angustifolium	Rare (0.1 -10%)
H28	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Abundant (33-50%)
H28	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Frequent (25-33%)
H28	Species-rich native hedgerow	0	Hazel	Corylus avellana	Frequent (25-33%)
H28	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H38	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H28	Species-rich native hedgerow	0	Wild Cherry	Prunus avium	Rare (0.1 -10%)
H28	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
100	Purple moor-grass and rush pastures	3	Sweet Vernal-grass	Anthoxanthum odoratum	Occasional (10-25%)
100	Purple moor-grass and rush pastures	3	Sharp-flowered Rush	Juncus acutiflorus	Dominant (> 50%)
59	Purple moor-grass and rush pastures	1	Red Clover	Trifolium pratense	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	1	Ragged robin	Silene flos-cuculi	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	1	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	1	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
59	Purple moor-grass and rush pastures	1	Soft-brome	Bromus hordeaceus	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	1	Cuckooflower	Cardamine pratensis	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	2	Lesser Spearwort	Ranunculus flammula	Occasional (10-25%)
59	Purple moor-grass and rush pastures	1	Crested Dog's-tail	Cynosurus cristatus	Rare (0.1 -10%)
34	Purple moor-grass and rush pastures	1	Common Bird's-foot-trefoil	Lotus corniculatus	Rare (0.1 -10%)
34	Purple moor-grass and rush pastures	1	Marsh-bedstraw	Galium palustre	Rare (0.1 -10%)
34	Purple moor-grass and rush pastures	1	Marsh ragwort	Jacobaea aquatica	Rare (0.1 -10%)
37	Purple moor-grass and rush pastures	1	Creeping Buttercup	Ranunculus repens	Abundant (33-50%)
37	Purple moor-grass and rush pastures	1	Lesser Spearwort	Ranunculus flammula	Rare (0.1 -10%)
37	Purple moor-grass and rush pastures	1	Marsh-bedstraw	Galium palustre	Rare (0.1 -10%)
37	Purple moor-grass and rush pastures	1	Common Bird's-foot-trefoil	Lotus corniculatus	Rare (0.1 -10%)
37	Purple moor-grass and rush pastures	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
34	Purple moor-grass and rush pastures	1	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
34	Purple moor-grass and rush pastures	1	Marsh Foxtail	Alopecurus geniculatus	Rare (0.1 -10%)
37	Purple moor-grass and rush pastures	1	Sharp-flowered Rush	Juncus acutiflorus	Abundant (33-50%)
37	Purple moor-grass and rush pastures	1	Water Forget-me-not	Myosotis scorpioides	Rare (0.1 -10%)
37	Purple moor-grass and rush pastures	1	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
37	Purple moor-grass and rush pastures	1	Wild Angelica	Angelica sylvestris	Rare (0.1 -10%)
24	Purple moor-grass and rush pastures	1	Marsh-bedstraw	Galium palustre	Rare (0.1 -10%)
37	Purple moor-grass and rush pastures	1	Sweet Vernal-grass	Anthoxanthum odoratum	Occasional (10-25%)
24	Purple moor-grass and rush pastures	0	Yellow Iris	Iris pseudacorus	Rare (0.1 -10%)
24	Purple moor-grass and rush pastures	1	Lesser Spearwort	Ranunculus flammula	Rare (0.1 -10%)
37	Purple moor-grass and rush pastures	0	Glaucous Sedge	Carex flacca	Rare (0.1 -10%)
24	Purple moor-grass and rush pastures	1	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
24	Purple moor-grass and rush pastures	1	Soft-rush	Juncus effusus	Dominant (> 50%)
24	Purple moor-grass and rush pastures	1	Rough Meadow-grass	Poa trivialis	Rare (0.1 -10%)
41	Purple moor-grass and rush pastures	1	Sharp-flowered Rush	Juncus acutiflorus	Occasional (10-25%)
41	Purple moor-grass and rush pastures	1	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
41	Purple moor-grass and rush pastures	1	Crested Dog's-tail	Cynosurus cristatus	Occasional (10-25%)
41	Purple moor-grass and rush pastures	1	Soft-rush	Juncus effusus	Frequent (25-33%)
41	Purple moor-grass and rush pastures	1	Lesser Spearwort	Ranunculus flammula	Rare (0.1 -10%)
41	Purple moor-grass and rush pastures	1	Glaucous Sedge	Carex flacca	Rare (0.1 -10%)
41	Purple moor-grass and rush pastures	2	Glaucous Sedge	Carex flacca	Rare (0.1 -10%)
41	Purple moor-grass and rush pastures	1	Whorled Caraway	Carum verticillatum	Rare (0.1 -10%)
41	Purple moor-grass and rush pastures	1	Marsh-bedstraw	Galium palustre	Rare (0.1 -10%)
41	Purple moor-grass and rush pastures	2	Marsh-bedstraw	Galium palustre	Rare (0.1 -10%)
41	Purple moor-grass and rush pastures	1	False Fox-sedge	Carex otrubae	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	1	Soft-rush	Juncus effusus	Occasional (10-25%)
59	Purple moor-grass and rush pastures	1	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	0	Carnation Sedge	Carex panicea	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	0	Marsh Cinquefoil	Comarum palustre	Dominant (> 50%)
59	Purple moor-grass and rush pastures	0	Meadowsweet	Filipendula ulmaria	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	0	Yellow-rattle	Rhinanthus minor	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	1	Lesser Spearwort	Ranunculus flammula	Occasional (10-25%)
59	Purple moor-grass and rush pastures	0	Hemlock Water-dropwort	Oenanthe crocata	Rare (0.1 -10%)



100	Purple moor-grass and rush pastures	4	Lesser Spearwort	Ranunculus flammula	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	4	Brooklime	Veronica beccabunga	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	4	Cuckooflower	Cardamine pratensis	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	1	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	4	Marsh-bedstraw	Galium palustre	Occasional (10-25%)
33	Purple moor-grass and rush pastures	1	Marsh ragwort	Jacobaea aquatica	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	1	Sharp-flowered Rush	Juncus acutiflorus	Rare (0.1 -10%)
33	Purple moor-grass and rush pastures	1	Soft-rush	Juncus effusus	Dominant (> 50%)
33	Purple moor-grass and rush pastures	1	Marsh Thistle	Cirsium palustre	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	2	Hairy Sedge	Carex hirta	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	2	Yorkshire-fog	Holcus lanatus	Occasional (10-25%)
100	Purple moor-grass and rush pastures	2	Sweet Vernal-grass	Anthoxanthum odoratum	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	2	Marsh Foxtail	Alopecurus geniculatus	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	2	Marsh-bedstraw	Galium palustre	Rare (0.1 -10%)
H62	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H62	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Rare (0.1 -10%)
H62	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Rare (0.1 -10%)
H62	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H62	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Frequent (25-33%)
H62	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Frequent (25-33%)
H45	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Occasional (10-25%)
41	Purple moor-grass and rush pastures	2	Sharp-flowered Rush	Juncus acutiflorus	Frequent (25-33%)
41	Purple moor-grass and rush pastures	2	Crested Dog's-tail	Cynosurus cristatus	Occasional (10-25%)
41	Purple moor-grass and rush pastures	2	Lesser Spearwort	Ranunculus flammula	Rare (0.1 -10%)
17	Purple moor-grass and rush pastures	0	Common Spike-rush	Eleocharis palustris	Rare (0.1 -10%)
41	Purple moor-grass and rush pastures	2	Sweet Vernal-grass	Anthoxanthum odoratum	Abundant (33-50%)
41	Purple moor-grass and rush pastures	2	False Fox-sedge	Carex otrubae	Rare (0.1 -10%)
41	Purple moor-grass and rush pastures	2	Whorled Caraway	Carum verticillatum	Rare (0.1 -10%)
41	Purple moor-grass and rush pastures	2	Red Fescue	Festuca rubra	Rare (0.1 -10%)
17	Purple moor-grass and rush pastures	0	Field Wood-rush	Luzula campestris	Rare (0.1 -10%)
17	Purple moor-grass and rush pastures	1	Yorkshire-fog	Holcus lanatus	Abundant (33-50%)
17	Purple moor-grass and rush pastures	0	Marsh Horsetail	Equisetum palustre	Rare (0.1 -10%)
17	Purple moor-grass and rush pastures	0	Soft-rush	Juncus effusus	Occasional (10-25%)
17	Purple moor-grass and rush pastures	0	Wild Angelica	Angelica sylvestris	Rare (0.1 -10%)
17	Purple moor-grass and rush pastures	1	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
17	Purple moor-grass and rush pastures	1	Creeping Buttercup	Ranunculus repens	Abundant (33-50%)
17	Purple moor-grass and rush pastures	1	Sharp-flowered Rush	Juncus acutiflorus	Frequent (25-33%)
17	Purple moor-grass and rush pastures	2	Oval Sedge	Carex leporina	Rare (0.1 -10%)
17	Purple moor-grass and rush pastures	1	Greater Bird's-foot-trefoil	Lotus pedunculatus	Rare (0.1 -10%)
17	Purple moor-grass and rush pastures	2	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
17	Purple moor-grass and rush pastures	2	Ragged robin	Silene flos-cuculi	Rare (0.1 -10%)
17	Purple moor-grass and rush pastures	2	Carnation Sedge	Carex panicea	Rare (0.1 -10%)
17	Purple moor-grass and rush pastures	2	False Fox-sedge	Carex otrubae	Rare (0.1 -10%)
H45	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Frequent (25-33%)
H45	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Occasional (10-25%)
H45	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H45	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	2	Lesser Spearwort	Ranunculus flammula	Frequent (25-33%)
2	Purple moor-grass and rush pastures	3	Sharp-flowered Rush	Juncus acutiflorus	Abundant (33-50%)
2	Purple moor-grass and rush pastures	3	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
2	Purple moor-grass and rush pastures	2	Sharp-flowered Rush	Juncus acutiflorus	Abundant (33-50%)
2	Purple moor-grass and rush pastures	3	Whorled Caraway	Carum verticillatum	Occasional (10-25%)
2	Purple moor-grass and rush pastures	3	Field Wood-rush	Luzula campestris	Occasional (10-25%)
2	Purple moor-grass and rush pastures	3	Soft-rush	Juncus effusus	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	3	Devil's-bit Scabious	Succisa pratensis	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	3	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	3	Tormentil	Potentilla erecta	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	3	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	0	Ragged robin	Silene flos-cuculi	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	3	Dandelions	Taraxacum spp.	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	3	Common Bird's-foot-trefoil	Lotus corniculatus	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	0	Meadowsweet	Filipendula ulmaria	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	0	Lesser Trefoil	Trifolium dubium	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	1	False Fox-sedge	Carex otrubae	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	1	Soft-rush	Juncus effusus	Occasional (10-25%)
45	Purple moor-grass and rush pastures	1	Lesser Spearwort	Ranunculus flammula	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	1	Sweet Vernal-grass	Anthoxanthum odoratum	Abundant (33-50%)
45	Purple moor-grass and rush pastures	1	Sharp-flowered Rush	Juncus acutiflorus	Abundant (33-50%)
45	Purple moor-grass and rush pastures	1	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
H62	Species-rich native hedgerow	0	Dark-leaved Willow	Salix myrsinifolia	Rare (0.1 -10%)
H62	Species-rich native hedgerow	0	Beech	Fagus sylvatica	Rare (0.1 -10%)
H62	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H62	Species-rich native hedgerow	0	Gorse	Ulex europaeus	Frequent (25-33%)
H62	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H91	Species-rich native hedgerow	0	Herb-Robert	Geranium robertianum	Rare (0.1 -10%)
H91	Species-rich native hedgerow	0	Red Campion	Silene dioica	Rare (0.1 -10%)
H77	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H91	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Occasional (10-25%)
H91	Species-rich native hedgerow	0	Black Bryony	Tamus communis	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	1	Meadowsweet	Filipendula ulmaria	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	1	Yellow Iris	Iris pseudacorus	Occasional (10-25%)
2	Purple moor-grass and rush pastures	0	Glaucous Sedge	Carex flacca	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	1	Lesser Spearwort	Ranunculus flammula	Rare (0.1 -10%)
17	Purple moor-grass and rush pastures	2	Rough Meadow-grass	Poa trivialis	Rare (0.1 -10%)
17	Purple moor-grass and rush pastures	2	Sharp-flowered Rush	Juncus acutiflorus	Abundant (33-50%)
H81	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
17	Purple moor-grass and rush pastures	2	Greater Bird's-foot-trefoil	Lotus pedunculatus	Rare (0.1 -10%)
17	Purple moor-grass and rush pastures	2	Sweet Vernal-grass	Anthoxanthum odoratum	Abundant (33-50%)
17	Purple moor-grass and rush pastures	2	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
H81	Species-rich native hedgerow	0	Cleavers	Galium aparine	Abundant (33-50%)
H81	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H81	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Frequent (25-33%)
H98	Species-rich native hedgerow	0	Hazel	Corylus avellana	Abundant (33-50%)
H98	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Dominant (> 50%)
H81	Species-rich native hedgerow	0	Hazel	Corylus avellana	Rare (0.1 -10%)
H81	Species-rich native hedgerow	0	Bracken	Pteridium aquilinum	Frequent (25-33%)
H81	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Rare (0.1 -10%)
H81	Species-rich native hedgerow	0	Broad-leaved Dock	Rumex obtusifolius	Rare (0.1 -10%)
H81	Species-rich native hedgerow	0	Common Nettle	Urtica dioica	Occasional (10-25%)
H98	Species-rich native hedgerow	0	Bluebell	Hyacinthoides non-scripta	Rare (0.1 -10%)
H98	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H98	Species-rich native hedgerow	0	Elder	Sambucus nigra	Rare (0.1 -10%)
H98	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H98	Species-rich native hedgerow	0	Red Campion	Silene dioica	Occasional (10-25%)
H98	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Occasional (10-25%)
H98	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Rare (0.1 -10%)
H98	Species-rich native hedgerow	0	Germander Speedwell	Veronica chamaedrys	Occasional (10-25%)
H96	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H98	Species-rich native hedgerow	0	Dog's Mercury	Mercurialis perennis	Abundant (33-50%)
H96	Species-rich native hedgerow	0	Red Campion	Silene dioica	Occasional (10-25%)
H96	Species-rich native hedgerow	0	Bluebell	Hyacinthoides non-scripta	Occasional (10-25%)
H96	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H98	Species-rich native hedgerow	0	Foxglove	Digitalis purpurea	Rare (0.1 -10%)
H96	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Frequent (25-33%)
H98	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
92	Other neutral grassland	2	Sweet Vernal-grass	Anthoxanthum odoratum	Dominant (> 50%)
92	Other neutral grassland	1	Red Fescue	Festuca rubra	Occasional (10-25%)



92	Other neutral grassland	2	Autumn Hawkbit	Scorzonoides autumnalis	Rare (0.1 -10%)
92	Other neutral grassland	3	Cock's-foot	Dactylis glomerata	Abundant (33-50%)
92	Other neutral grassland	2	Field Wood-rush	Luzula campestris	Rare (0.1 -10%)
92	Other neutral grassland	2	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
95	Other neutral grassland	0	Yellow-rattle	Rhinanthus minor	Rare (0.1 -10%)
92	Other neutral grassland	2	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
95	Other neutral grassland	1	Red Clover	Trifolium pratense	Occasional (10-25%)
95	Other neutral grassland	1	Sweet Vernal-grass	Anthoxanthum odoratum	Dominant (> 50%)
92	Other neutral grassland	3	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
95	Other neutral grassland	1	Ribwort Plantain	Plantago lanceolata	Occasional (10-25%)
92	Other neutral grassland	3	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
92	Other neutral grassland	2	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
92	Other neutral grassland	1	Common Chickweed	Stellaria media	Rare (0.1 -10%)
92	Other neutral grassland	2	Red Fescue	Festuca rubra	Occasional (10-25%)
92	Other neutral grassland	2	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
92	Other neutral grassland	3	Sweet Vernal-grass	Anthoxanthum odoratum	Abundant (33-50%)
92	Other neutral grassland	3	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
H92	Other native hedgerow	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
H92	Other native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H92	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H92	Other native hedgerow	0	Hop	Humulus lupulus	Rare (0.1 -10%)
H92	Other native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H47	Other native hedgerow	0	Blackthorn	Prunus spinosa	Frequent (25-33%)
H92	Other native hedgerow	0	Hazel	Corylus avellana	Rare (0.1 -10%)
H47	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H92	Other native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H47	Other native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H92	Other native hedgerow	0	Black Bryony	Tamus communis	Rare (0.1 -10%)
H70	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Frequent (25-33%)
H70	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Abundant (33-50%)
H70	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H70	Species-rich native hedgerow	0	Eared Willow	Salix aurita	Occasional (10-25%)
H70	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H70	Species-rich native hedgerow	0	Hazel	Corylus avellana	Rare (0.1 -10%)
H70	Species-rich native hedgerow	0	Beech	Fagus sylvatica	Rare (0.1 -10%)
91	Other neutral grassland	2	Sweet Vernal-grass	Anthoxanthum odoratum	Abundant (33-50%)
91	Other neutral grassland	0	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
91	Other neutral grassland	2	Red Fescue	Festuca rubra	Frequent (25-33%)
91	Other neutral grassland	2	Common Bird's-foot-trefoil	Lotus corniculatus	Rare (0.1 -10%)
91	Other neutral grassland	2	Tormentil	Potentilla erecta	Rare (0.1 -10%)
91	Other neutral grassland	2	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
H47	Other native hedgerow	0	Bramble	Rubus fruticosus agg.	Rare (0.1 -10%)
H47	Other native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H35	Other native hedgerow	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
H35	Other native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H85	Other native hedgerow	0	Common Nettle	Urtica dioica	#N/A
H85	Other native hedgerow	0	Greater Stitchwort	Stellaria holostea	Rare (0.1 -10%)
H85	Other native hedgerow	0	Bracken	Pteridium aquilinum	Dominant (> 50%)
H90	Other native hedgerow	0	Bluebell	Hyacinthoides non-scripta	Occasional (10-25%)
H90	Other native hedgerow	0	Black Bryony	Tamus communis	Rare (0.1 -10%)
H85	Other native hedgerow	0	Herb-Robert	Geranium robertianum	Rare (0.1 -10%)
H90	Other native hedgerow	0	Red Campion	Silene dioica	Occasional (10-25%)
H90	Other native hedgerow	0	Common Nettle	Urtica dioica	Rare (0.1 -10%)
H90	Other native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H90	Other native hedgerow	0	Dog's Mercury	Mercurialis perennis	Abundant (33-50%)
H51	Other native hedgerow	0	Hazel	Corylus avellana	Rare (0.1 -10%)
H51	Other native hedgerow	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
H51	Other native hedgerow	0	Elder	Sambucus nigra	Rare (0.1 -10%)
H82	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H51	Other native hedgerow	0	Great Willowherb	Epilobium hirsutum	Dominant (> 50%)
H82	Other native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H82	Other native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H82	Other native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H73	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H82	Other native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
H73	Other native hedgerow	0	Hazel	Corylus avellana	Rare (0.1 -10%)
H73	Other native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H73	Other native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H73	Other native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H68	Other native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H68	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H68	Other native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H78	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H78	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Occasional (10-25%)
H78	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H78	Species-rich native hedgerow	0	Alder	Alnus glutinosa	Rare (0.1 -10%)
H78	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Frequent (25-33%)
H78	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Occasional (10-25%)
H78	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
H59	Other native hedgerow	0	Hazel	Corylus avellana	Rare (0.1 -10%)
H32	Other native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H32	Other native hedgerow	0	Honeysuckle	Lonicera periclymenum	Occasional (10-25%)
H32	Other native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H32	Other native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H32	Other native hedgerow	0	Soft-rush	Juncus effusus	Frequent (25-33%)
H32	Other native hedgerow	0	Gelder-rose	Viburnum opulus	Occasional (10-25%)
H32	Other native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H32	Other native hedgerow	0	Common Hemp-nettle	Galeopsis tetrahit	Rare (0.1 -10%)
H32	Other native hedgerow	0	Ragged robin	Silene flos-cuculi	Rare (0.1 -10%)
H32	Other native hedgerow	0	Meadow Vetchling	Lathyrus pratensis	Rare (0.1 -10%)
H32	Other native hedgerow	0	Hemlock Water-dropwort	Oenanthe crocata	Occasional (10-25%)
H32	Other native hedgerow	0	Meadowsweet	Filipendula ulmaria	Frequent (25-33%)
88	Other neutral grassland	1	Common Chickweed	Stellaria media	Rare (0.1 -10%)
88	Other neutral grassland	2	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
88	Other neutral grassland	2	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
88	Other neutral grassland	3	Sweet Vernal-grass	Anthoxanthum odoratum	Abundant (33-50%)
88	Other neutral grassland	2	Autumn Hawkbit	Scorzonoides autumnalis	Rare (0.1 -10%)
88	Other neutral grassland	2	Field Wood-rush	Luzula campestris	Rare (0.1 -10%)
88	Other neutral grassland	3	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
92	Other neutral grassland	0	Yellow-rattle	Rhinanthus minor	Rare (0.1 -10%)
92	Other neutral grassland	1	Red Clover	Trifolium pratense	Occasional (10-25%)
92	Other neutral grassland	1	Sweet Vernal-grass	Anthoxanthum odoratum	Dominant (> 50%)
88	Other neutral grassland	0	Yellow-rattle	Rhinanthus minor	Rare (0.1 -10%)
92	Other neutral grassland	1	Ribwort Plantain	Plantago lanceolata	Occasional (10-25%)
88	Other neutral grassland	3	Cock's-foot	Dactylis glomerata	Abundant (33-50%)
88	Other neutral grassland	2	Red Fescue	Festuca rubra	Occasional (10-25%)
88	Other neutral grassland	2	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
88	Other neutral grassland	2	Sweet Vernal-grass	Anthoxanthum odoratum	Dominant (> 50%)
88	Other neutral grassland	2	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
88	Other neutral grassland	3	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
88	Other neutral grassland	3	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	1	Carnation Sedge	Carex panicea	Occasional (10-25%)
45	Purple moor-grass and rush pastures	1	Meadow Buttercup	Ranunculus acris	Occasional (10-25%)
45	Purple moor-grass and rush pastures	1	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	2	Carnation Sedge	Carex panicea	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	2	Sweet Vernal-grass	Anthoxanthum odoratum	Abundant (33-50%)
45	Purple moor-grass and rush pastures	2	Sharp-flowered Rush	Juncus acutiflorus	Abundant (33-50%)

45	Purple moor-grass and rush pastures	2	Common Bird's-foot-trefoil	Lotus corniculatus	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	2	Lesser Spearwort	Ranunculus flammula	Rare (0.1 -10%)
H80	Other native hedgerow	0	Dog's Mercury	Mercurialis perennis	Abundant (33-50%)
H80	Other native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H80	Other native hedgerow	0	Hemlock	Conium maculatum	Rare (0.1 -10%)
H80	Other native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H80	Other native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H80	Other native hedgerow	0	Great Willowherb	Epilobium hirsutum	Rare (0.1 -10%)
H80	Other native hedgerow	0	Meadowsweet	Filipendula ulmaria	Rare (0.1 -10%)
H80	Other native hedgerow	0	Columbine	Aquilegia vulgaris	Rare (0.1 -10%)
H80	Other native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H80	Other native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H80	Other native hedgerow	0	Black Bryony	Tamus communis	Rare (0.1 -10%)
H80	Other native hedgerow	0	Red Campion	Silene dioica	Occasional (10-25%)
H80	Other native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H80	Other native hedgerow	0	Common Nettle	Urtica dioica	Rare (0.1 -10%)
H80	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H80	Other native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
H80	Other native hedgerow	0	Gelder-rose	Viburnum opulus	Rare (0.1 -10%)
70	Modified grassland	0	Common Nettle	Urtica dioica	Rare (0.1 -10%)
63	Modified grassland	0	Common Nettle	Urtica dioica	Rare (0.1 -10%)
63	Modified grassland	0	Creeping Thistle	Cirsium arvense	Rare (0.1 -10%)
70	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Abundant (33-50%)
84	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Dominant (> 50%)
70	Modified grassland	0	White Clover	Trifolium repens	Abundant (33-50%)
70	Modified grassland	0	Creeping Thistle	Cirsium arvense	Rare (0.1 -10%)
70	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
70	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Abundant (33-50%)
70	Modified grassland	0	Yorkshire-fog	Holcus lanatus	Occasional (10-25%)
84	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Dominant (> 50%)
89	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
89	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Abundant (33-50%)
89	Modified grassland	0	Creeping Thistle	Cirsium arvense	Rare (0.1 -10%)
89	Modified grassland	0	Soft-rush	Juncus effusus	Rare (0.1 -10%)
89	Modified grassland	0	Daisy	Bellis perennis	Rare (0.1 -10%)
89	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Abundant (33-50%)
89	Modified grassland	0	Sweet Vernal-grass	Anthoxanthum odoratum	Rare (0.1 -10%)
93	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
93	Modified grassland	0	Crested Dog's-tail	Cynosurus cristatus	Abundant (33-50%)
93	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Occasional (10-25%)
93	Modified grassland	0	Daisy	Bellis perennis	Rare (0.1 -10%)
93	Modified grassland	0	Yorkshire-fog	Holcus lanatus	Occasional (10-25%)
55	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
55	Modified grassland	0	Daisy	Bellis perennis	Rare (0.1 -10%)
55	Modified grassland	0	White Clover	Trifolium repens	Occasional (10-25%)
93	Modified grassland	0	Creeping Thistle	Cirsium arvense	Frequent (25-33%)
7	Modified grassland	0	Italian Rye-grass	Lolium multiflorum	Dominant (> 50%)
93	Modified grassland	0	Common Nettle	Urtica dioica	Rare (0.1 -10%)
55	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Dominant (> 50%)
55	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Abundant (33-50%)
91	Other neutral grassland	0	Cock's-foot	Dactylis glomerata	Rare (0.1 -10%)
91	Other neutral grassland	0	Meadow Foxtail	Alopecurus pratensis	Rare (0.1 -10%)
88	Other neutral grassland	1	Sweet Vernal-grass	Anthoxanthum odoratum	Dominant (> 50%)
91	Other neutral grassland	0	Blackthorn	Prunus spinosa	Rare (0.1 -10%)
88	Other neutral grassland	1	Red Fescue	Festuca rubra	Occasional (10-25%)
88	Other neutral grassland	1	Red Clover	Trifolium pratense	Occasional (10-25%)
88	Other neutral grassland	1	Ribwort Plantain	Plantago lanceolata	Occasional (10-25%)
H69	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Occasional (10-25%)
H69	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
43	Modified grassland	2	Soft-rush	Juncus effusus	Frequent (25-33%)
56	Modified grassland	0	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
63	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Abundant (33-50%)
56	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
56	Modified grassland	0	Creeping Thistle	Cirsium arvense	Occasional (10-25%)
63	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
63	Modified grassland	0	White Clover	Trifolium repens	Abundant (33-50%)
63	Modified grassland	0	Yorkshire-fog	Holcus lanatus	Occasional (10-25%)
63	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Abundant (33-50%)
48	Modified grassland	0	Sweet Vernal-grass	Anthoxanthum odoratum	Occasional (10-25%)
48	Modified grassland	0	White Clover	Trifolium repens	Rare (0.1 -10%)
48	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Dominant (> 50%)
48	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Occasional (10-25%)
43	Modified grassland	2	Creeping Buttercup	Ranunculus repens	Abundant (33-50%)
48	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
56	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Abundant (33-50%)
56	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Abundant (33-50%)
71	Mixed scrub	0	Gorse	Ulex europaeus	Rare (0.1 -10%)
42	Lowland mixed deciduous woodland	0	Hazel	Corylus avellana	Abundant (33-50%)
90	Lowland mixed deciduous woodland	0	Crab Apple	Malus sylvestris	Rare (0.1 -10%)
90	Lowland mixed deciduous woodland	0	Holly	Ilex aquifolium	Frequent (25-33%)
90	Lowland mixed deciduous woodland	0	Sessile Oak	Quercus petraea	Dominant (> 50%)
90	Lowland mixed deciduous woodland	0	Ash	Fraxinus excelsior	Frequent (25-33%)
90	Lowland mixed deciduous woodland	0	Blackthorn	Prunus spinosa	Rare (0.1 -10%)
90	Lowland mixed deciduous woodland	0	Hawthorn	Crataegus monogyna	Rare (0.1 -10%)
90	Lowland mixed deciduous woodland	0	Foxglove	Digitalis purpurea	Rare (0.1 -10%)
90	Lowland mixed deciduous woodland	0	Fern sp.	Dryopteris sp.	Occasional (10-25%)
90	Lowland mixed deciduous woodland	0	Red Campion	Silene dioica	Rare (0.1 -10%)
90	Lowland mixed deciduous woodland	0	Wood Meadow-grass	Poa nemoralis	Occasional (10-25%)
90	Lowland mixed deciduous woodland	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
90	Lowland mixed deciduous woodland	0	Alder	Alnus glutinosa	Rare (0.1 -10%)
90	Lowland mixed deciduous woodland	0	Hemlock Water-dropwort	Oenanthe crocata	Rare (0.1 -10%)
71	Mixed scrub	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
90	Lowland mixed deciduous woodland	0	Grey Willow	Salix cinerea	Rare (0.1 -10%)
71	Mixed scrub	0	Hazel	Corylus avellana	Occasional (10-25%)
71	Mixed scrub	0	Bramble	Rubus fruticosus agg.	Abundant (33-50%)
H50	Species-rich native hedgerow	0	Willow sp.	Salix sp.	Dominant (> 50%)
H53	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H53	Species-rich native hedgerow	0	Hazel	Corylus avellana	Frequent (25-33%)
H53	Species-rich native hedgerow	0	Bluebell	Hyacinthoides non-scripta	Abundant (33-50%)
H53	Species-rich native hedgerow	0	Bracken	Pteridium aquilinum	Abundant (33-50%)
H53	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Frequent (25-33%)
H53	Species-rich native hedgerow	0	Meadowsweet	Filipendula ulmaria	Occasional (10-25%)
H78	Species-rich native hedgerow	0	Bluebell	Hyacinthoides non-scripta	Occasional (10-25%)
H78	Species-rich native hedgerow	0	Gorse	Ulex europaeus	Rare (0.1 -10%)
H78	Species-rich native hedgerow	0	Hogweed	Heracleum sphondylium	Occasional (10-25%)
H75	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H75	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H75	Species-rich native hedgerow	0	Gorse	Ulex europaeus	Rare (0.1 -10%)
H63	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H63	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H78	Species-rich native hedgerow	0	Common Nettle	Urtica dioica	Frequent (25-33%)
H75	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Frequent (25-33%)
H63	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Frequent (25-33%)
H63	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Frequent (25-33%)
H63	Species-rich native hedgerow	0	Eared Willow	Salix aurita	Occasional (10-25%)
H75	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
77	Lowland mixed deciduous woodland	0	Lesser celandine	Ficaria verna	Occasional (10-25%)

77	Lowland mixed deciduous woodland	0	Wood Speedwell	Veronica montana	Occasional (10-25%)
77	Lowland mixed deciduous woodland	0	Yellow archangel	Lamium galeobdolon	Rare (0.1 -10%)
77	Lowland mixed deciduous woodland	0	Wood Anemone	Anemone nemorosa	Occasional (10-25%)
77	Lowland mixed deciduous woodland	0	Bramble	Rubus fruticosus agg.	Abundant (33-50%)
77	Lowland mixed deciduous woodland	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
77	Lowland mixed deciduous woodland	0	Hazel	Corylus avellana	Frequent (25-33%)
77	Lowland mixed deciduous woodland	0	Willow sp.	Salix sp.	Abundant (33-50%)
77	Lowland mixed deciduous woodland	0	Alder	Alnus glutinosa	Occasional (10-25%)
77	Lowland mixed deciduous woodland	0	Pedunculate Oak	Quercus robur	Abundant (33-50%)
77	Lowland mixed deciduous woodland	0	Rowan	Sorbus aucuparia	Rare (0.1 -10%)
77	Lowland mixed deciduous woodland	0	Marsh Thistle	Cirsium palustre	Rare (0.1 -10%)
77	Lowland mixed deciduous woodland	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
77	Lowland mixed deciduous woodland	0	Enchanter's-nightshade	Circaea lutetiana	Frequent (25-33%)
77	Lowland mixed deciduous woodland	0	Hemlock Water-dropwort	Oenanthe crocata	Rare (0.1 -10%)
77	Lowland mixed deciduous woodland	0	Wood Spurge	Euphorbia amygdaloides	Rare (0.1 -10%)
77	Lowland mixed deciduous woodland	0	Ash	Fraxinus excelsior	Occasional (10-25%)
30	Mixed scrub	0	Prunus sp.	Prunus sp.	Rare (0.1 -10%)
30	Mixed scrub	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
30	Mixed scrub	0	Hawthorn	Crataegus monogyna	Frequent (25-33%)
30	Mixed scrub	0	Hazel	Corylus avellana	Occasional (10-25%)
30	Mixed scrub	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
30	Mixed scrub	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
16	Mixed scrub	0	Bramble	Rubus fruticosus agg.	Abundant (33-50%)
21	Mixed scrub	0	Bramble	Rubus fruticosus agg.	Abundant (33-50%)
30	Mixed scrub	0	Sycamore	Acer pseudoplatanus	Rare (0.1 -10%)
30	Mixed scrub	0	Wild Cherry	Prunus avium	Occasional (10-25%)
30	Mixed scrub	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
30	Mixed scrub	0	Willow sp.	Salix sp.	Occasional (10-25%)
21	Mixed scrub	0	Willow sp.	Salix sp.	Abundant (33-50%)
21	Mixed scrub	0	Pedunculate Oak	Quercus robur	Frequent (25-33%)
16	Mixed scrub	0	Grey Willow	Salix cinerea	Frequent (25-33%)
16	Mixed scrub	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
16	Mixed scrub	0	Eared Willow	Salix aurita	Occasional (10-25%)
16	Mixed scrub	0	Hemlock Water-dropwort	Oenanthe crocata	Occasional (10-25%)
16	Mixed scrub	0	Hazel	Corylus avellana	Occasional (10-25%)
H58	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H58	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H54	Species-rich native hedgerow	0	Hazel	Corylus avellana	Frequent (25-33%)
H58	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H58	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H54	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Frequent (25-33%)
H54	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H5	Native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H5	Native hedgerow	0	Common Nettle	Urtica dioica	Frequent (25-33%)
H5	Native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H33	Native hedgerow	0	Gorse	Ulex europaeus	Rare (0.1 -10%)
H33	Native hedgerow	0	Blackthorn	Prunus spinosa	Frequent (25-33%)
H33	Native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H4	Native hedgerow	0	Hawthorn	Crataegus monogyna	Frequent (25-33%)
H4	Native hedgerow	0	Hazel	Corylus avellana	Abundant (33-50%)
H33	Native hedgerow	0	Hawthorn	Crataegus monogyna	Frequent (25-33%)
H33	Native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
H4	Native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H4	Native hedgerow	0	Grey Willow	Salix cinerea	Rare (0.1 -10%)
H4	Native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
40	Other neutral grassland	0	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
40	Other neutral grassland	0	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
40	Other neutral grassland	0	Smooth Meadow-grass	Poa pratensis	Frequent (25-33%)
40	Other neutral grassland	0	Crested Dog's-tail	Cynosurus cristatus	Abundant (33-50%)
40	Other neutral grassland	0	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
68	Modified grassland	0	Common Field-speedwell	Veronica persica	Rare (0.1 -10%)
94	Modified grassland	2	Common Mouse-ear	Cerastium fontanum	Rare (0.1 -10%)
6	Mixed scrub	0	Rosebay Willowherb	Chamaenerion angustifolium	Occasional (10-25%)
6	Mixed scrub	0	Gelder-rose	Viburnum opulus	Rare (0.1 -10%)
94	Modified grassland	1	Perennial Rye-grass	Lolium perenne	Frequent (25-33%)
94	Modified grassland	1	Soft-brome	Bromus hordeaceus	Abundant (33-50%)
94	Modified grassland	0	Cuckooflower	Cardamine pratensis	Rare (0.1 -10%)
94	Modified grassland	1	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
94	Modified grassland	2	Creeping Bent	Agrostis stolonifera	Frequent (25-33%)
94	Modified grassland	1	Common Mouse-ear	Cerastium fontanum	Rare (0.1 -10%)
94	Modified grassland	1	Creeping Bent	Agrostis stolonifera	Occasional (10-25%)
94	Modified grassland	1	Sweet Vernal-grass	Anthoxanthum odoratum	Rare (0.1 -10%)
94	Modified grassland	1	Dandelions	Taraxacum spp.	Rare (0.1 -10%)
94	Modified grassland	1	Red Clover	Trifolium pratense	Occasional (10-25%)
94	Modified grassland	1	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
94	Modified grassland	1	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
94	Modified grassland	2	Sweet Vernal-grass	Anthoxanthum odoratum	Occasional (10-25%)
94	Modified grassland	2	Perennial Rye-grass	Lolium perenne	Occasional (10-25%)
94	Modified grassland	2	Soft-brome	Bromus hordeaceus	Abundant (33-50%)
94	Modified grassland	2	Meadow Buttercup	Ranunculus acris	Occasional (10-25%)
94	Modified grassland	2	Red Clover	Trifolium pratense	Occasional (10-25%)
65	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Dominant (> 50%)
65	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Occasional (10-25%)
65	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
64	Modified grassland	0	Yorkshire-fog	Holcus lanatus	Dominant (> 50%)
65	Modified grassland	0	Curled Dock	Rumex crispus	Rare (0.1 -10%)
64	Modified grassland	0	Bramble	Rubus fruticosus agg.	Rare (0.1 -10%)
64	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
64	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Rare (0.1 -10%)
64	Modified grassland	0	Meadowsweet	Filipendula ulmaria	Rare (0.1 -10%)
64	Modified grassland	0	Broad-leaved Dock	Rumex obtusifolius	Occasional (10-25%)
82	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Dominant (> 50%)
82	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Occasional (10-25%)
82	Modified grassland	0	Creeping Bent	Agrostis stolonifera	Occasional (10-25%)
82	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Abundant (33-50%)
54	Modified grassland	2	Rough Meadow-grass	Poa trivialis	Abundant (33-50%)
54	Modified grassland	2	Broad-leaved Dock	Rumex obtusifolius	Rare (0.1 -10%)
54	Modified grassland	3	Rough Meadow-grass	Poa trivialis	Abundant (33-50%)
54	Modified grassland	3	Perennial Rye-grass	Lolium perenne	Frequent (25-33%)
54	Modified grassland	2	Dandelions	Taraxacum spp.	Rare (0.1 -10%)
54	Modified grassland	3	Common Mouse-ear	Cerastium fontanum	Rare (0.1 -10%)
54	Modified grassland	3	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
54	Modified grassland	3	White Clover	Trifolium repens	Occasional (10-25%)
54	Modified grassland	3	Broad-leaved Dock	Rumex obtusifolius	Rare (0.1 -10%)
54	Modified grassland	3	Meadow Foxtail	Alopecurus pratensis	Rare (0.1 -10%)
79	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Abundant (33-50%)
79	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Abundant (33-50%)
79	Modified grassland	0	Broad-leaved Dock	Rumex obtusifolius	Rare (0.1 -10%)
79	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
H54	Species-rich native hedgerow	0	Soft-rush	Juncus effusus	Rare (0.1 -10%)
H54	Species-rich native hedgerow	0	Meadowsweet	Filipendula ulmaria	Occasional (10-25%)
H54	Species-rich native hedgerow	0	Bracken	Pteridium aquilinum	Abundant (33-50%)
H54	Species-rich native hedgerow	0	Bluebell	Hyacinthoides non-scripta	Abundant (33-50%)
H54	Species-rich native hedgerow	0	Common Water-starwort	Callitriche stagnalis	Rare (0.1 -10%)
H96	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Rare (0.1 -10%)
H96	Species-rich native hedgerow	0	Gorse	Ulex europaeus	Rare (0.1 -10%)
H96	Species-rich native hedgerow	0	Bracken	Pteridium aquilinum	Rare (0.1 -10%)

H96	Species-rich native hedgerow	0	Hazel	Corylus avellana	Rare (0.1 -10%)
H96	Species-rich native hedgerow	0	Foxglove	Digitalis purpurea	Rare (0.1 -10%)
H96	Species-rich native hedgerow	0	Greater Stitchwort	Stellaria holostea	Occasional (10-25%)
H99	Species-rich native hedgerow	0	Cotoneaster sp.	Cotoneaster sp.	Rare (0.1 -10%)
H99	Species-rich native hedgerow	0	Hazel	Corylus avellana	Frequent (25-33%)
H99	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Occasional (10-25%)
H99	Species-rich native hedgerow	0	Eared Willow	Salix aurita	Frequent (25-33%)
H99	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H99	Species-rich native hedgerow	0	Tormentil	Potentilla erecta	Occasional (10-25%)
H99	Species-rich native hedgerow	0	Polypody	Polypodium vulgare	Rare (0.1 -10%)
H97	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
H99	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H97	Species-rich native hedgerow	0	Gorse	Ulex europaeus	Occasional (10-25%)
H97	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H97	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H97	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
H97	Species-rich native hedgerow	0	Black Bryony	Tamus communis	Rare (0.1 -10%)
H97	Species-rich native hedgerow	1	Foof's watercress	Helosciadium nodiflorum	Abundant (33-50%)
H97	Species-rich native hedgerow	0	Yew	Taxus baccata	Rare (0.1 -10%)
H97	Species-rich native hedgerow	0	Cleavers	Galium aparine	Occasional (10-25%)
H97	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Occasional (10-25%)
H97	Species-rich native hedgerow	0	Common Nettle	Urtica dioica	Frequent (25-33%)
H97	Species-rich native hedgerow	0	Bracken	Pteridium aquilinum	Rare (0.1 -10%)
H97	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H97	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Rare (0.1 -10%)
H97	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Occasional (10-25%)
H97	Species-rich native hedgerow	1	Common Water-starwort	Callitriche stagnalis	Occasional (10-25%)
H91	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H97	Species-rich native hedgerow	1	Floating Sweet-grass	Glyceria fluitans	Occasional (10-25%)
H97	Species-rich native hedgerow	1	Water Forget-me-not	Myosotis scorpioides	Rare (0.1 -10%)
H97	Species-rich native hedgerow	1	Marsh Horsetail	Equisetum palustre	Rare (0.1 -10%)
H91	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H97	Species-rich native hedgerow	1	Marsh-bedstraw	Galium palustre	Rare (0.1 -10%)
H97	Species-rich native hedgerow	1	Meadowsweet	Filipendula ulmaria	Rare (0.1 -10%)
H13	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Occasional (10-25%)
H13	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H13	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
95	Other neutral grassland	2	Red Fescue	Festuca rubra	Occasional (10-25%)
95	Other neutral grassland	3	Cock's-foot	Dactylis glomerata	Abundant (33-50%)
95	Other neutral grassland	3	Sweet Vernal-grass	Anthoxanthum odoratum	Abundant (33-50%)
95	Other neutral grassland	3	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
95	Other neutral grassland	3	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
95	Other neutral grassland	0	Toad Rush	Juncus bufonius	Rare (0.1 -10%)
95	Other neutral grassland	0	Lesser Trefoil	Trifolium dubium	Rare (0.1 -10%)
95	Other neutral grassland	2	Sweet Vernal-grass	Anthoxanthum odoratum	Dominant (> 50%)
95	Other neutral grassland	3	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
H25	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H25	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H25	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
H25	Species-rich native hedgerow	0	Gorse	Ulex europaeus	Rare (0.1 -10%)
H25	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Occasional (10-25%)
98	Other neutral grassland	1	Common Mouse-ear	Cerastium fontanum	Rare (0.1 -10%)
98	Other neutral grassland	2	Rough Meadow-grass	Poa trivialis	Occasional (10-25%)
98	Other neutral grassland	2	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
87	Other neutral grassland	0	Hairy Sedge	Carex hirta	Rare (0.1 -10%)
98	Other neutral grassland	2	Crested Dog's-tail	Cynosurus cristatus	Occasional (10-25%)
98	Other neutral grassland	3	Yorkshire-fog	Holcus lanatus	Dominant (> 50%)
87	Other neutral grassland	2	Yorkshire-fog	Holcus lanatus	Occasional (10-25%)
98	Other neutral grassland	3	Creeping Thistle	Cirsium arvense	Occasional (10-25%)
98	Other neutral grassland	2	Soft-rush	Juncus effusus	Rare (0.1 -10%)
98	Other neutral grassland	1	Red Fescue	Festuca rubra	Occasional (10-25%)
98	Other neutral grassland	3	Rough Meadow-grass	Poa trivialis	Occasional (10-25%)
98	Other neutral grassland	3	Sweet Vernal-grass	Anthoxanthum odoratum	Occasional (10-25%)
98	Other neutral grassland	2	Yorkshire-fog	Holcus lanatus	Occasional (10-25%)
87	Other neutral grassland	2	Perennial Rye-grass	Lolium perenne	Rare (0.1 -10%)
H12	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
4	Wet woodland	0	Hazel	Corylus avellana	Occasional (10-25%)
H12	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
4	Wet woodland	0	Grey Willow	Salix cinerea	Occasional (10-25%)
H12	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Rare (0.1 -10%)
H12	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H12	Species-rich native hedgerow	0	Hart's tongue	Asplenium scolopendrium	Occasional (10-25%)
11	Wet woodland	0	Common Nettle	Urtica dioica	Dominant (> 50%)
H12	Species-rich native hedgerow	0	Elder	Sambucus nigra	Rare (0.1 -10%)
H12	Species-rich native hedgerow	0	Dog's Mercury	Mercurialis perennis	Frequent (25-33%)
H12	Species-rich native hedgerow	0	Tutsan	Hypericum androsaemum	Rare (0.1 -10%)
11	Wet woodland	0	Alder	Alnus glutinosa	Dominant (> 50%)
4	Wet woodland	0	Alder	Alnus glutinosa	Dominant (> 50%)
87	Other neutral grassland	1	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
87	Other neutral grassland	1	Crested Dog's-tail	Cynosurus cristatus	Occasional (10-25%)
87	Other neutral grassland	1	Sweet Vernal-grass	Anthoxanthum odoratum	Occasional (10-25%)
81	Other neutral grassland	1	Perennial Rye-grass	Lolium perenne	Frequent (25-33%)
87	Other neutral grassland	1	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
87	Other neutral grassland	1	Soft-brome	Bromus hordeaceus	Rare (0.1 -10%)
87	Other neutral grassland	1	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
87	Other neutral grassland	1	Yorkshire-fog	Holcus lanatus	Occasional (10-25%)
87	Other neutral grassland	2	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
87	Other neutral grassland	2	Soft-brome	Bromus hordeaceus	Rare (0.1 -10%)
87	Other neutral grassland	2	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
87	Other neutral grassland	2	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
87	Other neutral grassland	2	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
87	Other neutral grassland	1	Red Clover	Trifolium pratense	Abundant (33-50%)
87	Other neutral grassland	2	Smooth Meadow-grass	Poa pratensis	Rare (0.1 -10%)
80	Other neutral grassland	1	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
61	Other neutral grassland	0	Smooth Meadow-grass	Poa pratensis	Occasional (10-25%)
61	Other neutral grassland	0	Red Fescue	Festuca rubra	Occasional (10-25%)
80	Other neutral grassland	1	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
61	Other neutral grassland	0	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
61	Other neutral grassland	0	False Oat-grass	Arrhenatherum elatius	Occasional (10-25%)
H55	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H79	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H79	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H79	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Occasional (10-25%)
H55	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H55	Species-rich native hedgerow	0	Hazel	Corylus avellana	Abundant (33-50%)
H55	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
95	Other neutral grassland	2	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
95	Other neutral grassland	1	Red Fescue	Festuca rubra	Occasional (10-25%)
95	Other neutral grassland	2	Autumn Hawkbit	Scorzoneroides autumnalis	Rare (0.1 -10%)
95	Other neutral grassland	1	Common Chickweed	Stellaria media	Rare (0.1 -10%)
95	Other neutral grassland	2	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
95	Other neutral grassland	2	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
95	Other neutral grassland	2	Field Wood-rush	Luzula campestris	Rare (0.1 -10%)
95	Other neutral grassland	2	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
H55	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Rare (0.1 -10%)
H52	Species-rich native hedgerow	0	Hazel	Corylus avellana	Frequent (25-33%)
H55	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)



H55	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H52	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Frequent (25-33%)
H52	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Frequent (25-33%)
H52	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H43	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Frequent (25-33%)
H52	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Abundant (33-50%)
5	Other neutral grassland	3	Meadow Foxtail	Alopecurus pratensis	Occasional (10-25%)
31	Other neutral grassland	0	Daisy	Bellis perennis	Rare (0.1 -10%)
5	Other neutral grassland	3	Field Wood-rush	Luzula campestris	Rare (0.1 -10%)
31	Other neutral grassland	0	Crested Dog's-tail	Cynosurus cristatus	Frequent (25-33%)
5	Other neutral grassland	3	Common Bird's-foot-trefoil	Lotus corniculatus	Rare (0.1 -10%)
31	Other neutral grassland	0	Spear Thistle	Cirsium vulgare	Rare (0.1 -10%)
31	Other neutral grassland	0	Rough Meadow-grass	Poa trivialis	Occasional (10-25%)
31	Other neutral grassland	0	White Clover	Trifolium repens	Abundant (33-50%)
5	Other neutral grassland	3	Smooth Meadow-grass	Poa pratensis	Occasional (10-25%)
31	Other neutral grassland	0	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
31	Other neutral grassland	0	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
31	Other neutral grassland	0	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
61	Other neutral grassland	0	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
61	Other neutral grassland	0	Blackthorn	Prunus spinosa	Rare (0.1 -10%)
47	Other neutral grassland	0	Sweet Vernal-grass	Anthoxanthum odoratum	Abundant (33-50%)
61	Other neutral grassland	0	Rough Hawkbit	Leontodon hispidus	Rare (0.1 -10%)
61	Other neutral grassland	0	Cut-leaved Crane's-bill	Geranium dissectum	Rare (0.1 -10%)
47	Other neutral grassland	0	Yorkshire-fog	Holcus lanatus	Frequent (25-33%)
47	Other neutral grassland	0	Soft-rush	Juncus effusus	Occasional (10-25%)
47	Other neutral grassland	0	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
H89	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Occasional (10-25%)
H89	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Dominant (> 50%)
H89	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Frequent (25-33%)
H89	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Occasional (10-25%)
H89	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H76	Species-rich native hedgerow	0	Gorse	Ulex europaeus	Rare (0.1 -10%)
H89	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H89	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
31	Other neutral grassland	0	Soft-rush	Juncus effusus	Rare (0.1 -10%)
9	Other neutral grassland	1	Common Spike-rush	Eleocharis palustris	Rare (0.1 -10%)
31	Other neutral grassland	0	Perennial Rye-grass	Lolium perenne	Rare (0.1 -10%)
9	Other neutral grassland	0	Meadow fescue	Schedonorus pratensis	Rare (0.1 -10%)
9	Other neutral grassland	0	Lesser Spearwort	Ranunculus flammula	Rare (0.1 -10%)
9	Other neutral grassland	1	Yorkshire-fog	Holcus lanatus	Frequent (25-33%)
9	Other neutral grassland	1	Soft-rush	Juncus effusus	Occasional (10-25%)
9	Other neutral grassland	1	Creeping Buttercup	Ranunculus repens	Abundant (33-50%)
31	Other neutral grassland	0	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
9	Other neutral grassland	0	Field Wood-rush	Luzula campestris	Rare (0.1 -10%)
9	Other neutral grassland	1	Sharp-flowered Rush	Juncus acutiflorus	Occasional (10-25%)
9	Other neutral grassland	1	Sweet Vernal-grass	Anthoxanthum odoratum	Abundant (33-50%)
9	Other neutral grassland	2	Yorkshire-fog	Holcus lanatus	Dominant (> 50%)
H34	Other rivers and streams	0	Fool's Watercress	Helosciadium nodiflorum	Frequent (25-33%)
9	Other neutral grassland	2	Sweet Vernal-grass	Anthoxanthum odoratum	Occasional (10-25%)
9	Other neutral grassland	3	Common Sorrel	Rumex acetosa	Frequent (25-33%)
9	Other neutral grassland	2	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
9	Other neutral grassland	3	Creeping Buttercup	Ranunculus repens	Frequent (25-33%)
H34	Other rivers and streams	0	Marsh Thistle	Cirsium palustre	Rare (0.1 -10%)
9	Other neutral grassland	3	Rough Meadow-grass	Poa trivialis	Frequent (25-33%)
9	Other neutral grassland	2	Creeping Buttercup	Ranunculus repens	Frequent (25-33%)
9	Other neutral grassland	3	Yorkshire-fog	Holcus lanatus	Abundant (33-50%)
H34	Other rivers and streams	0	Ragged robin	Silene flos-cuculi	Rare (0.1 -10%)
H34	Other rivers and streams	0	Hemlock Water-dropwort	Oenanthe crocata	Dominant (> 50%)
H43	Species-rich native hedgerow	0	Bracken	Pteridium aquilinum	Dominant (> 50%)
H43	Species-rich native hedgerow	0	Elder	Sambucus nigra	Occasional (10-25%)
H44	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Occasional (10-25%)
H43	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Rare (0.1 -10%)
H43	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Rare (0.1 -10%)
H44	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Frequent (25-33%)
H43	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H44	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Frequent (25-33%)
H43	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Frequent (25-33%)
H36	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Occasional (10-25%)
H76	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Dominant (> 50%)
H36	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
H36	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H76	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Frequent (25-33%)
H61	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H61	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Occasional (10-25%)
H61	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Dominant (> 50%)
H61	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Occasional (10-25%)
100	Purple moor-grass and rush pastures	1	Cuckooflower	Cardamine pratensis	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	1	Perennial Rye-grass	Lolium perenne	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	1	Sharp-flowered Rush	Juncus acutiflorus	Dominant (> 50%)
100	Purple moor-grass and rush pastures	2	Cuckooflower	Cardamine pratensis	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	1	Sweet Vernal-grass	Anthoxanthum odoratum	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	2	Lesser Spearwort	Ranunculus flammula	Occasional (10-25%)
100	Purple moor-grass and rush pastures	1	Marsh Foxtail	Alopecurus geniculatus	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	2	Sharp-flowered Rush	Juncus acutiflorus	Dominant (> 50%)
100	Purple moor-grass and rush pastures	1	Rough Meadow-grass	Poa trivialis	Rare (0.1 -10%)
47	Other neutral grassland	0	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
47	Other neutral grassland	0	Red Clover	Trifolium pratense	Rare (0.1 -10%)
5	Other neutral grassland	1	Smooth Meadow-grass	Poa pratensis	Frequent (25-33%)
47	Other neutral grassland	0	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
47	Other neutral grassland	0	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
5	Other neutral grassland	1	Yorkshire-fog	Holcus lanatus	Occasional (10-25%)
47	Other neutral grassland	0	Field Wood-rush	Luzula campestris	Rare (0.1 -10%)
5	Other neutral grassland	1	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
96	Other neutral grassland	1	Yorkshire-fog	Holcus lanatus	Abundant (33-50%)
96	Other neutral grassland	1	Common Mouse-ear	Cerastium fontanum	Rare (0.1 -10%)
96	Other neutral grassland	1	Rough Meadow-grass	Poa trivialis	Frequent (25-33%)
96	Other neutral grassland	2	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
96	Other neutral grassland	2	Rough Meadow-grass	Poa trivialis	Occasional (10-25%)
96	Other neutral grassland	2	Crested Dog's-tail	Cynosurus cristatus	Occasional (10-25%)
96	Other neutral grassland	1	Red Fescue	Festuca rubra	Occasional (10-25%)
96	Other neutral grassland	1	Creeping Thistle	Cirsium arvense	Rare (0.1 -10%)
5	Other neutral grassland	1	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
5	Other neutral grassland	1	Field Wood-rush	Luzula campestris	Rare (0.1 -10%)
5	Other neutral grassland	2	Meadow Foxtail	Alopecurus pratensis	Abundant (33-50%)
5	Other neutral grassland	2	Sharp-flowered Rush	Juncus acutiflorus	Rare (0.1 -10%)
5	Other neutral grassland	2	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
5	Other neutral grassland	3	Sweet Vernal-grass	Anthoxanthum odoratum	Occasional (10-25%)
5	Other neutral grassland	1	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
5	Other neutral grassland	2	Soft-rush	Juncus effusus	Rare (0.1 -10%)
5	Other neutral grassland	3	Yorkshire-fog	Holcus lanatus	Occasional (10-25%)
5	Other neutral grassland	2	Cuckooflower	Cardamine pratensis	Rare (0.1 -10%)
5	Other neutral grassland	1	Common Bird's-foot-trefoil	Lotus corniculatus	Rare (0.1 -10%)
5	Other neutral grassland	1	Red Clover	Trifolium pratense	Rare (0.1 -10%)
52	Purple moor-grass and rush pastures	2	Daisy	Bellis perennis	Rare (0.1 -10%)
52	Purple moor-grass and rush pastures	2	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
52	Purple moor-grass and rush pastures	1	Daisy	Bellis perennis	Rare (0.1 -10%)
52	Purple moor-grass and rush pastures	2	Soft-rush	Juncus effusus	Occasional (10-25%)

52	Purple moor-grass and rush pastures	1	Sweet Vernal-grass	Anthoxanthum odoratum	Occasional (10-25%)
52	Purple moor-grass and rush pastures	2	Cuckooflower	Cardamine pratensis	Rare (0.1 -10%)
52	Purple moor-grass and rush pastures	1	Cuckooflower	Cardamine pratensis	Rare (0.1 -10%)
52	Purple moor-grass and rush pastures	1	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
52	Purple moor-grass and rush pastures	2	Lesser Spearwort	Ranunculus flammula	Rare (0.1 -10%)
52	Purple moor-grass and rush pastures	2	Sweet Vernal-grass	Anthoxanthum odoratum	Abundant (33-50%)
52	Purple moor-grass and rush pastures	2	White Clover	Trifolium repens	Occasional (10-25%)
59	Purple moor-grass and rush pastures	0	Selfheal	Prunella vulgaris	Rare (0.1 -10%)
H76	Species-rich native hedgerow	0	Hazel	Corylus avellana	Rare (0.1 -10%)
H76	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
H76	Species-rich native hedgerow	0	Beech	Fagus sylvatica	Rare (0.1 -10%)
H76	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H76	Species-rich native hedgerow	0	Sessile Oak	Quercus petraea	Rare (0.1 -10%)
H76	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	3	Broad-leaved Dock	Rumex obtusifolius	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	3	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	0	Tormentil	Potentilla erecta	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	0	Ragged robin	Silene flos-cuculi	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	0	Carnation Sedge	Carex panicea	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	0	Marsh Thistle	Cirsium palustre	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	0	Meadowsweet	Filipendula ulmaria	Rare (0.1 -10%)
H84	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H45	Species-rich native hedgerow	0	Gorse	Ulex europaeus	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	4	Rough Meadow-grass	Poa trivialis	Occasional (10-25%)
100	Purple moor-grass and rush pastures	3	Red Fescue	Festuca rubra	Occasional (10-25%)
100	Purple moor-grass and rush pastures	3	Whorled Caraway	Carum verticillatum	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	4	Floating Sweet-grass	Glyceria fluitans	Occasional (10-25%)
100	Purple moor-grass and rush pastures	4	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	4	Sweet Vernal-grass	Anthoxanthum odoratum	Occasional (10-25%)
H11	Species-rich native hedgerow	0	Guelder-rose	Viburnum opulus	Occasional (10-25%)
H11	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H11	Species-rich native hedgerow	0	Beech	Fagus sylvatica	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	3	Sweet Vernal-grass	Anthoxanthum odoratum	Dominant (> 50%)
59	Purple moor-grass and rush pastures	3	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	3	Red Fescue	Festuca rubra	Occasional (10-25%)
59	Purple moor-grass and rush pastures	2	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
59	Purple moor-grass and rush pastures	3	Red Clover	Trifolium pratense	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	2	Oval Sedge	Carex leporina	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	2	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	2	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	2	Whorled Caraway	Carum verticillatum	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	3	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	3	Smooth Meadow-grass	Poa pratensis	Rare (0.1 -10%)
59	Purple moor-grass and rush pastures	3	Ribwort Plantain	Plantago lanceolata	Occasional (10-25%)
59	Purple moor-grass and rush pastures	2	Sharp-flowered Rush	Juncus acutiflorus	Abundant (33-50%)
H13	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Occasional (10-25%)
H13	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Abundant (33-50%)
H14	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H13	Species-rich native hedgerow	0	Wild Cherry	Prunus avium	Rare (0.1 -10%)
H14	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Rare (0.1 -10%)
H13	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H14	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Frequent (25-33%)
3	Wet woodland	0	Hazel	Corylus avellana	Occasional (10-25%)
4	Wet woodland	0	Silver Birch	Betula pendula	Rare (0.1 -10%)
4	Wet woodland	0	Blackthorn	Prunus spinosa	Rare (0.1 -10%)
3	Wet woodland	0	Grey Willow	Salix cinerea	Occasional (10-25%)
100	Purple moor-grass and rush pastures	3	False Fox-sedge	Carex otrubae	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	3	Field Wood-rush	Luzula campestris	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	3	Glaucous Sedge	Carex flacca	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	3	Carnation Sedge	Carex panicea	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	3	Common Bird's-foot-trefoil	Lotus corniculatus	Rare (0.1 -10%)
100	Purple moor-grass and rush pastures	3	Red Clover	Trifolium pratense	Rare (0.1 -10%)
H11	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H11	Species-rich native hedgerow	0	Bracken	Pteridium aquilinum	Occasional (10-25%)
H11	Species-rich native hedgerow	0	Common Nettle	Urtica dioica	Dominant (> 50%)
H11	Species-rich native hedgerow	0	fern sp	Other	Frequent (25-33%)
H11	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H11	Species-rich native hedgerow	0	Hazel	Corylus avellana	Frequent (25-33%)
H11	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H11	Species-rich native hedgerow	0	Gorse	Ulex europaeus	Rare (0.1 -10%)
H11	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Occasional (10-25%)
H14	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Abundant (33-50%)
H14	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Frequent (25-33%)
H11	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H14	Species-rich native hedgerow	0	Gorse	Ulex europaeus	Frequent (25-33%)
H14	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Frequent (25-33%)
2	Purple moor-grass and rush pastures	1	Betony	Betonica officinalis	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	1	Silverweed	Potentilla anserina	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	1	Sharp-flowered Rush	Juncus acutiflorus	Abundant (33-50%)
2	Purple moor-grass and rush pastures	2	Carnation Sedge	Carex panicea	Occasional (10-25%)
2	Purple moor-grass and rush pastures	1	Whorled Caraway	Carum verticillatum	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	1	Cuckooflower	Cardamine pratensis	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	1	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	2	Oval Sedge	Carex leporina	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	1	Sweet Vernal-grass	Anthoxanthum odoratum	Abundant (33-50%)
2	Purple moor-grass and rush pastures	1	Field Wood-rush	Luzula campestris	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	2	Floating Sweet-grass	Glyceria fluitans	Frequent (25-33%)
H34	Other rivers and streams	0	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
H34	Other rivers and streams	0	Meadowsweet	Filipendula ulmaria	#N/A
22	Purple moor-grass and rush pastures	2	Meadow Foxtail	Alopecurus pratensis	Frequent (25-33%)
H34	Other rivers and streams	0	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
22	Purple moor-grass and rush pastures	1	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	1	Soft-rush	Juncus effusus	Dominant (> 50%)
22	Purple moor-grass and rush pastures	1	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	1	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	1	Ragged robin	Silene flos-cuculi	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	2	White Clover	Trifolium repens	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	1	Rough Meadow-grass	Poa trivialis	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	2	Silverweed	Potentilla anserina	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	2	Crested Dog's-tail	Cynosurus cristatus	Frequent (25-33%)
22	Purple moor-grass and rush pastures	2	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
H45	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H45	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H45	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H45	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
H45	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H91	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Frequent (25-33%)
H91	Species-rich native hedgerow	0	Hazel	Corylus avellana	Frequent (25-33%)
H91	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H91	Species-rich native hedgerow	0	Bracken	Pteridium aquilinum	Rare (0.1 -10%)
H91	Species-rich native hedgerow	0	Foxglove	Digitalis purpurea	Rare (0.1 -10%)
H91	Species-rich native hedgerow	0	Common Nettle	Urtica dioica	Occasional (10-25%)
H91	Species-rich native hedgerow	0	Barren Strawberry	Potentilla sterilis	Rare (0.1 -10%)
H91	Species-rich native hedgerow	0	Greater Stitchwort	Stellaria holostea	Rare (0.1 -10%)
H46	Species-rich native hedgerow	0	Beech	Fagus sylvatica	Rare (0.1 -10%)
H46	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H46	Species-rich native hedgerow	0	Eared Willow	Salix aurita	Occasional (10-25%)

H46	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Dominant (> 50%)
H46	Species-rich native hedgerow	0	Hazel	Corylus avellana	Frequent (25-33%)
H86	Other native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
91	Other neutral grassland	2	Common Knapweed	Centaurea nigra	Rare (0.1 -10%)
91	Other neutral grassland	1	Red Fescue	Festuca rubra	Occasional (10-25%)
91	Other neutral grassland	1	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
91	Other neutral grassland	1	Common Bird's-foot-trefoil	Lotus corniculatus	Rare (0.1 -10%)
91	Other neutral grassland	1	Ribwort Plantain	Plantago lanceolata	Occasional (10-25%)
91	Other neutral grassland	1	Tormentil	Potentilla erecta	Rare (0.1 -10%)
91	Other neutral grassland	1	Betony	Betonica officinalis	Rare (0.1 -10%)
91	Other neutral grassland	1	Rough Hawkbit	Leontodon hispidus	Rare (0.1 -10%)
H7	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Rare (0.1 -10%)
H7	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H7	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H11	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Occasional (10-25%)
H7	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
H86	Other native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H86	Other native hedgerow	0	Hemlock	Conium maculatum	Rare (0.1 -10%)
H86	Other native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H86	Other native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H80	Other native hedgerow	0	Bluebell	Hyacinthoides non-scripta	Occasional (10-25%)
H86	Other native hedgerow	0	Meadowsweet	Filipendula ulmaria	Rare (0.1 -10%)
H86	Other native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H86	Other native hedgerow	0	Columbine	Aquilegia vulgaris	Rare (0.1 -10%)
H86	Other native hedgerow	0	Great Willowherb	Epilobium hirsutum	Rare (0.1 -10%)
H71	Other native hedgerow	0	Common Nettle	Urtica dioica	Abundant (33-50%)
H71	Other native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H71	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H74	Other native hedgerow	0	Bracken	Pteridium aquilinum	Dominant (> 50%)
H51	Other native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H51	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Frequent (25-33%)
H71	Other native hedgerow	0	Elder	Sambucus nigra	Rare (0.1 -10%)
H51	Other native hedgerow	0	Blackthorn	Prunus spinosa	Frequent (25-33%)
H51	Other native hedgerow	0	Sycamore	Acer pseudoplatanus	Frequent (25-33%)
H3	Species-rich native hedgerow	0	Hazel	Corylus avellana	Rare (0.1 -10%)
H7	Species-rich native hedgerow	0	Beech	Fagus sylvatica	Occasional (10-25%)
H7	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Dominant (> 50%)
H7	Species-rich native hedgerow	0	Eared Willow	Salix aurita	Occasional (10-25%)
H3	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Occasional (10-25%)
H7	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Rare (0.1 -10%)
H7	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Occasional (10-25%)
H77	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Frequent (25-33%)
H77	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
H77	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Rare (0.1 -10%)
H77	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	2	Sharp-flowered Rush	Juncus acutiflorus	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	2	Red Fescue	Festuca rubra	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	2	Marsh ragwort	Jacobaea aquatica	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	2	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	3	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
22	Purple moor-grass and rush pastures	3	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	3	Crested Dog's-tail	Cynosurus cristatus	Frequent (25-33%)
22	Purple moor-grass and rush pastures	2	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	3	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	3	Meadow Foxtail	Alopecurus pratensis	Frequent (25-33%)
H64	Other native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H74	Other native hedgerow	0	Elder	Sambucus nigra	Rare (0.1 -10%)
H64	Other native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H74	Other native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H74	Other native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H64	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Frequent (25-33%)
52	Purple moor-grass and rush pastures	0	Whorled Caraway	Carum verticillatum	Rare (0.1 -10%)
52	Purple moor-grass and rush pastures	0	Yellow Iris	Iris pseudacorus	Rare (0.1 -10%)
52	Purple moor-grass and rush pastures	1	Bugle	Ajuga reptans	Rare (0.1 -10%)
52	Purple moor-grass and rush pastures	0	Soft-rush	Juncus effusus	Abundant (33-50%)
52	Purple moor-grass and rush pastures	0	Field Forget-me-not	Myosotis arvensis	Rare (0.1 -10%)
52	Purple moor-grass and rush pastures	1	Perennial Rye-grass	Lolium perenne	Occasional (10-25%)
52	Purple moor-grass and rush pastures	1	Rough Meadow-grass	Poa trivialis	Occasional (10-25%)
H24	Species-rich native hedgerow	0	Grey Willow	Salix cinerea	Occasional (10-25%)
H66	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Dominant (> 50%)
H65	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Dominant (> 50%)
H94	Other native hedgerow	0	Blackthorn	Prunus spinosa	Dominant (> 50%)
H94	Other native hedgerow	0	Alder	Alnus glutinosa	Occasional (10-25%)
H94	Other native hedgerow	0	Bramble	Rubus fruticosus agg.	Dominant (> 50%)
H94	Other native hedgerow	0	Sycamore	Acer pseudoplatanus	Occasional (10-25%)
H94	Other native hedgerow	0	Pedunculate Oak	Quercus robur	Abundant (33-50%)
H77	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H77	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H70	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Abundant (33-50%)
H77	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Frequent (25-33%)
2	Purple moor-grass and rush pastures	0	Ragged robin	Silene flos-cuculi	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	0	Lesser Spearwort	Ranunculus flammula	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	0	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	0	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	3	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	0	Marsh-bedstraw	Galium palustre	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	3	Red Clover	Trifolium pratense	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	0	Soft-rush	Juncus effusus	Rare (0.1 -10%)
22	Purple moor-grass and rush pastures	3	Red Fescue	Festuca rubra	Occasional (10-25%)
22	Purple moor-grass and rush pastures	0	Meadowsweet	Filipendula ulmaria	Rare (0.1 -10%)
2	Purple moor-grass and rush pastures	0	Marsh Thistle	Cirsium palustre	Rare (0.1 -10%)
H86	Other native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H86	Other native hedgerow	0	Black Bryony	Tamus communis	Rare (0.1 -10%)
H86	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H86	Other native hedgerow	0	Gelder-rose	Viburnum opulus	Rare (0.1 -10%)
H86	Other native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H59	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H68	Other native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H59	Other native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H70	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Rare (0.1 -10%)
H70	Species-rich native hedgerow	0	Rowan	Sorbus aucuparia	Rare (0.1 -10%)
H67	Other native hedgerow	0	Bracken	Pteridium aquilinum	Dominant (> 50%)
H67	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Dominant (> 50%)
H67	Other native hedgerow	0	Bluebell	Hyacinthoides non-scripta	Frequent (25-33%)
H67	Other native hedgerow	0	Bramble	Rubus fruticosus agg.	Frequent (25-33%)
H67	Other native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H67	Other native hedgerow	0	Common Nettle	Urtica dioica	Rare (0.1 -10%)
H67	Other native hedgerow	0	Foxglove	Digitalis purpurea	Rare (0.1 -10%)
52	Purple moor-grass and rush pastures	0	Ragged robin	Silene flos-cuculi	Rare (0.1 -10%)
52	Purple moor-grass and rush pastures	0	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
52	Purple moor-grass and rush pastures	0	Hemlock Water-dropwort	Oenanthe crocata	Rare (0.1 -10%)
52	Purple moor-grass and rush pastures	0	Common Knapweed	Centaurea nigra	Rare (0.1 -10%)
H88	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Rare (0.1 -10%)
H85	Other native hedgerow	0	Hazel	Corylus avellana	Rare (0.1 -10%)
H85	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Dominant (> 50%)
H85	Other native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H88	Other native hedgerow	0	Pignut	Conopodium majus	Rare (0.1 -10%)



H85	Other native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H88	Other native hedgerow	0	Hazel	Corylus avellana	Rare (0.1 -10%)
H88	Other native hedgerow	0	Bluebell	Hyacinthoides non-scripta	Occasional (10-25%)
H88	Other native hedgerow	0	Bramble	Rubus fruticosus agg.	Rare (0.1 -10%)
H85	Other native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H88	Other native hedgerow	0	Bracken	Pteridium aquilinum	Rare (0.1 -10%)
96	Other neutral grassland	2	Yorkshire-fog	Holcus lanatus	Occasional (10-25%)
96	Other neutral grassland	2	Soft-rush	Juncus effusus	Rare (0.1 -10%)
96	Other neutral grassland	3	Yorkshire-fog	Holcus lanatus	Dominant (> 50%)
96	Other neutral grassland	3	Creeping Thistle	Cirsium arvense	Occasional (10-25%)
96	Other neutral grassland	3	Rough Meadow-grass	Poa trivialis	Occasional (10-25%)
96	Other neutral grassland	3	Sweet Vernal-grass	Anthoxanthum odoratum	Occasional (10-25%)
98	Other neutral grassland	1	Rough Meadow-grass	Poa trivialis	Frequent (25-33%)
98	Other neutral grassland	1	Yorkshire-fog	Holcus lanatus	Abundant (33-50%)
98	Other neutral grassland	1	Creeping Thistle	Cirsium arvense	Rare (0.1 -10%)
40	Other neutral grassland	0	Perennial Rye-grass	Lolium perenne	Frequent (25-33%)
40	Other neutral grassland	0	White Clover	Trifolium repens	Abundant (33-50%)
40	Other neutral grassland	0	Toad Rush	Juncus bufonius	Rare (0.1 -10%)
H88	Other native hedgerow	0	Honeysuckle	Lonicera periclymenum	Frequent (25-33%)
H88	Other native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H88	Other native hedgerow	0	Sycamore	Acer pseudoplatanus	Occasional (10-25%)
H88	Other native hedgerow	0	Wilson's Honeysuckle	Lonicera nitida	Rare (0.1 -10%)
H88	Other native hedgerow	0	Common Nettle	Urtica dioica	Occasional (10-25%)
H88	Other native hedgerow	0	Elder	Sambucus nigra	Rare (0.1 -10%)
H88	Other native hedgerow	0	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
H56	Other native hedgerow	0	Ash	Fraxinus excelsior	Occasional (10-25%)
H56	Other native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H56	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H56	Other native hedgerow	0	Blackthorn	Prunus spinosa	Dominant (> 50%)
45	Purple moor-grass and rush pastures	3	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	3	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	3	Cuckooflower	Cardamine pratensis	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	3	Red Fescue	Festuca rubra	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	3	Lesser Spearwort	Ranunculus flammula	Rare (0.1 -10%)
H59	Other native hedgerow	0	Gorse	Ulex europaeus	Rare (0.1 -10%)
H59	Other native hedgerow	0	Sycamore	Acer pseudoplatanus	Occasional (10-25%)
H59	Other native hedgerow	0	Bramble	Rubus fruticosus agg.	Rare (0.1 -10%)
H59	Other native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H86	Other native hedgerow	0	Bluebell	Hyacinthoides non-scripta	Occasional (10-25%)
H86	Other native hedgerow	0	Dog's Mercury	Mercurialis perennis	Abundant (33-50%)
H95	Other native hedgerow	0	Great Willowherb	Epilobium hirsutum	Rare (0.1 -10%)
H86	Other native hedgerow	0	Red Campion	Silene dioica	Occasional (10-25%)
H86	Other native hedgerow	0	Common Nettle	Urtica dioica	Rare (0.1 -10%)
H69	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Frequent (25-33%)
H69	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H69	Species-rich native hedgerow	0	Hogweed	Heracleum sphondylium	Occasional (10-25%)
H69	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
H69	Species-rich native hedgerow	0	Common Nettle	Urtica dioica	Frequent (25-33%)
H69	Species-rich native hedgerow	0	Gorse	Ulex europaeus	Rare (0.1 -10%)
H69	Species-rich native hedgerow	0	Alder	Alnus glutinosa	Rare (0.1 -10%)
H69	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Occasional (10-25%)
H69	Species-rich native hedgerow	0	Bluebell	Hyacinthoides non-scripta	Occasional (10-25%)
H49	Native hedgerow	0	Sycamore	Acer pseudoplatanus	Occasional (10-25%)
H49	Native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H5	Native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H6	Native hedgerow	0	Hawthorn	Crataegus monogyna	Dominant (> 50%)
H83	Native hedgerow	0	Sycamore	Acer pseudoplatanus	Rare (0.1 -10%)
H5	Native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H83	Native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
H49	Native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H90	Other native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
H90	Other native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H90	Other native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H90	Other native hedgerow	0	Hemlock	Conium maculatum	Rare (0.1 -10%)
H90	Other native hedgerow	0	Guelder-rose	Viburnum opulus	Rare (0.1 -10%)
H90	Other native hedgerow	0	Meadowsweet	Filipendula ulmaria	Rare (0.1 -10%)
H90	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H90	Other native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H90	Other native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H90	Other native hedgerow	0	Columbine	Aquilegia vulgaris	Rare (0.1 -10%)
H90	Other native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H3	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
H3	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Abundant (33-50%)
H3	Species-rich native hedgerow	0	White Willow	Salix alba	Rare (0.1 -10%)
H3	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Frequent (25-33%)
H3	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H3	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Occasional (10-25%)
H25	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Occasional (10-25%)
H25	Species-rich native hedgerow	0	Bracken	Pteridium aquilinum	Occasional (10-25%)
H25	Species-rich native hedgerow	0	Hazel	Corylus avellana	Frequent (25-33%)
H25	Species-rich native hedgerow	0	Common Nettle	Urtica dioica	Dominant (> 50%)
H25	Species-rich native hedgerow	0	fern sp	Other	Frequent (25-33%)
H25	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H25	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H95	Other native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H95	Other native hedgerow	0	Bluebell	Hyacinthoides non-scripta	Occasional (10-25%)
H95	Other native hedgerow	0	Black Bryony	Tamus communis	Rare (0.1 -10%)
H90	Other native hedgerow	0	Great Willowherb	Epilobium hirsutum	Rare (0.1 -10%)
H95	Other native hedgerow	0	Red Campion	Silene dioica	Occasional (10-25%)
H95	Other native hedgerow	0	Hemlock	Conium maculatum	Rare (0.1 -10%)
H95	Other native hedgerow	0	Common Nettle	Urtica dioica	Rare (0.1 -10%)
H95	Other native hedgerow	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
H95	Other native hedgerow	0	Bramble	Rubus fruticosus agg.	Occasional (10-25%)
H95	Other native hedgerow	0	Meadowsweet	Filipendula ulmaria	Rare (0.1 -10%)
H95	Other native hedgerow	0	Dog's Mercury	Mercurialis perennis	Abundant (33-50%)
H95	Other native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
H95	Other native hedgerow	0	Columbine	Aquilegia vulgaris	Rare (0.1 -10%)
H95	Other native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H95	Other native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H95	Other native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H95	Other native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H95	Other native hedgerow	0	Guelder-rose	Viburnum opulus	Rare (0.1 -10%)
60	Lowland mixed deciduous woodland	0	Wood Spurge	Euphorbia amygdaloides	Rare (0.1 -10%)
42	Lowland mixed deciduous woodland	0	Willow sp.	Salix sp.	Dominant (> 50%)
60	Lowland mixed deciduous woodland	0	Wood Anemone	Anemone nemorosa	Occasional (10-25%)
60	Lowland mixed deciduous woodland	0	Yellow archangel	Lamium galeobdolon	Rare (0.1 -10%)
60	Lowland mixed deciduous woodland	0	Bluebell	Hyacinthoides non-scripta	Rare (0.1 -10%)
60	Lowland mixed deciduous woodland	0	Lesser celandine	Ficaria verna	Occasional (10-25%)
60	Lowland mixed deciduous woodland	0	Sycamore	Acer pseudoplatanus	Occasional (10-25%)
60	Lowland mixed deciduous woodland	0	Wood Speedwell	Veronica montana	Occasional (10-25%)
60	Lowland mixed deciduous woodland	0	Enchanter's-nightshade	Circaea lutetiana	Frequent (25-33%)
45	Purple moor-grass and rush pastures	3	Sweet Vernal-grass	Anthoxanthum odoratum	Abundant (33-50%)
45	Purple moor-grass and rush pastures	3	Red Clover	Trifolium pratense	Occasional (10-25%)
45	Purple moor-grass and rush pastures	3	Carnation Sedge	Carex panicea	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	3	Sharp-flowered Rush	Juncus acutiflorus	Abundant (33-50%)
45	Purple moor-grass and rush pastures	3	Soft-rush	Juncus effusus	Occasional (10-25%)
H2	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)



H2	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Abundant (33-50%)
45	Purple moor-grass and rush pastures	2	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	2	Whorled Caraway	Carum verticillatum	Occasional (10-25%)
45	Purple moor-grass and rush pastures	2	Tormentil	Potentilla erecta	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	2	Greater Bird's-foot-trefoil	Lotus pedunculatus	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	3	Field Horsetail	Equisetum arvense	Rare (0.1 -10%)
45	Purple moor-grass and rush pastures	2	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
12, 26, 32	Mixed scrub	0	Willow sp.	Salix sp.	Abundant (33-50%)
71	Mixed scrub	0	Ash	Fraxinus excelsior	Occasional (10-25%)
99	Mixed scrub	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
99	Mixed scrub	0	Ash	Fraxinus excelsior	Frequent (25-33%)
99	Mixed scrub	0	Bramble	Rubus fruticosus agg.	Dominant (> 50%)
99	Mixed scrub	0	Grey Willow	Salix cinerea	Frequent (25-33%)
12, 26, 32	Mixed scrub	0	Pedunculate Oak	Quercus robur	Frequent (25-33%)
99	Mixed scrub	0	Hazel	Corylus avellana	Rare (0.1 -10%)
12, 26, 32	Mixed scrub	0	Bramble	Rubus fruticosus agg.	Abundant (33-50%)
H93	Native hedgerow	0	Common Nettle	Urtica dioica	Occasional (10-25%)
20	Modified grassland	0	Curled Dock	Rumex crispus	Rare (0.1 -10%)
H93	Native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
20	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
H93	Native hedgerow	0	Hazel	Corylus avellana	Abundant (33-50%)
H49	Native hedgerow	0	Blackthorn	Prunus spinosa	Rare (0.1 -10%)
20	Modified grassland	0	Soft-rush	Juncus effusus	Rare (0.1 -10%)
H93	Native hedgerow	0	Dog's Mercury	Mercurialis perennis	Rare (0.1 -10%)
H93	Native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H49	Native hedgerow	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
20	Modified grassland	0	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
H93	Native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H49	Native hedgerow	0	Hazel	Corylus avellana	Frequent (25-33%)
H93	Native hedgerow	0	Elder	Sambucus nigra	Rare (0.1 -10%)
H49	Native hedgerow	0	Hawthorn	Crataegus monogyna	Frequent (25-33%)
H93	Native hedgerow	0	Bramble	Rubus fruticosus agg.	Abundant (33-50%)
H49	Native hedgerow	0	Ash	Fraxinus excelsior	Frequent (25-33%)
H93	Native hedgerow	0	Holly	Ilex aquifolium	Occasional (10-25%)
H1	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Occasional (10-25%)
H1	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H1	Species-rich native hedgerow	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
H1	Species-rich native hedgerow	0	Hazel	Corylus avellana	Frequent (25-33%)
H1	Species-rich native hedgerow	0	Rowan	Sorbus aucuparia	Rare (0.1 -10%)
H1	Species-rich native hedgerow	0	Willow sp.	Salix sp.	Occasional (10-25%)
H1	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H1	Species-rich native hedgerow	0	Hornbeam	Carpinus betulus	Rare (0.1 -10%)
77	Lowland mixed deciduous woodland	0	Bluebell	Hyacinthoides non-scripta	Rare (0.1 -10%)
60	Lowland mixed deciduous woodland	0	Bramble	Rubus fruticosus agg.	Abundant (33-50%)
60	Lowland mixed deciduous woodland	0	Rowan	Sorbus aucuparia	Rare (0.1 -10%)
60	Lowland mixed deciduous woodland	0	Alder	Alnus glutinosa	Occasional (10-25%)
60	Lowland mixed deciduous woodland	0	Hazel	Corylus avellana	Frequent (25-33%)
60	Lowland mixed deciduous woodland	0	Honeysuckle	Lonicera periclymenum	Rare (0.1 -10%)
60	Lowland mixed deciduous woodland	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
60	Lowland mixed deciduous woodland	0	Ash	Fraxinus excelsior	Abundant (33-50%)
60	Lowland mixed deciduous woodland	0	Willow sp.	Salix sp.	Abundant (33-50%)
60	Lowland mixed deciduous woodland	0	Marsh Thistle	Cirsium palustre	Rare (0.1 -10%)
60	Lowland mixed deciduous woodland	0	Pedunculate Oak	Quercus robur	Occasional (10-25%)
60	Lowland mixed deciduous woodland	0	Hemlock Water-dropwort	Oenanthe crocata	Rare (0.1 -10%)
77	Lowland mixed deciduous woodland	0	Sycamore	Acer pseudoplatanus	Occasional (10-25%)
H2	Species-rich native hedgerow	0	Willow sp.	Salix sp.	Occasional (10-25%)
H2	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Rare (0.1 -10%)
H2	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Abundant (33-50%)
H2	Species-rich native hedgerow	0	Ash	Fraxinus excelsior	Rare (0.1 -10%)
H2	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Rare (0.1 -10%)
H1	Species-rich native hedgerow	0	Bramble	Rubus fruticosus agg.	Dominant (> 50%)
H2	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
81	Other neutral grassland	1	Dandelions	Taraxacum spp.	Rare (0.1 -10%)
81	Other neutral grassland	1	Sweet Vernal-grass	Anthoxanthum odoratum	Rare (0.1 -10%)
81	Other neutral grassland	1	Common Sorrel	Rumex acetosa	Rare (0.1 -10%)
81	Other neutral grassland	1	Soft-brome	Bromus hordeaceus	Abundant (33-50%)
81	Other neutral grassland	1	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
81	Other neutral grassland	1	Creeping Bent	Agrostis stolonifera	Occasional (10-25%)
81	Other neutral grassland	1	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
81	Other neutral grassland	1	Red Clover	Trifolium pratense	Occasional (10-25%)
46	Modified grassland	2	Perennial Rye-grass	Lolium perenne	Dominant (> 50%)
79	Modified grassland	0	Soft-rush	Juncus effusus	Rare (0.1 -10%)
46	Modified grassland	1	Soft-rush	Juncus effusus	Frequent (25-33%)
79	Modified grassland	0	Cuckooflower	Cardamine pratensis	Rare (0.1 -10%)
46	Modified grassland	1	Perennial Rye-grass	Lolium perenne	Dominant (> 50%)
43	Modified grassland	1	Perennial Rye-grass	Lolium perenne	Dominant (> 50%)
79	Modified grassland	0	Sweet Vernal-grass	Anthoxanthum odoratum	Rare (0.1 -10%)
43	Modified grassland	0	White Clover	Trifolium repens	Occasional (10-25%)
46	Modified grassland	1	Daisy	Bellis perennis	Rare (0.1 -10%)
43	Modified grassland	1	Soft-rush	Juncus effusus	Frequent (25-33%)
79	Modified grassland	0	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
46	Modified grassland	0	White Clover	Trifolium repens	Occasional (10-25%)
43	Modified grassland	2	Perennial Rye-grass	Lolium perenne	Dominant (> 50%)
46	Modified grassland	2	Soft-rush	Juncus effusus	Frequent (25-33%)
43	Modified grassland	0	Selfheal	Prunella vulgaris	Rare (0.1 -10%)
46	Modified grassland	0	Selfheal	Prunella vulgaris	Rare (0.1 -10%)
43	Modified grassland	1	Daisy	Bellis perennis	Rare (0.1 -10%)
46	Modified grassland	2	Creeping Buttercup	Ranunculus repens	Abundant (33-50%)
58	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Abundant (33-50%)
54	Modified grassland	0	Soft-rush	Juncus effusus	Rare (0.1 -10%)
54	Modified grassland	1	Rough Meadow-grass	Poa trivialis	Abundant (33-50%)
58	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Frequent (25-33%)
54	Modified grassland	1	Cuckooflower	Cardamine pratensis	Rare (0.1 -10%)
54	Modified grassland	1	White Clover	Trifolium repens	Frequent (25-33%)
54	Modified grassland	2	Perennial Rye-grass	Lolium perenne	Abundant (33-50%)
54	Modified grassland	1	Broad-leaved Dock	Rumex obtusifolius	Rare (0.1 -10%)
54	Modified grassland	2	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
54	Modified grassland	1	Creeping Buttercup	Ranunculus repens	Frequent (25-33%)
54	Modified grassland	1	Perennial Rye-grass	Lolium perenne	Frequent (25-33%)
54	Modified grassland	1	Daisy	Bellis perennis	Rare (0.1 -10%)
54	Modified grassland	2	Daisy	Bellis perennis	Rare (0.1 -10%)
54	Modified grassland	2	White Clover	Trifolium repens	Occasional (10-25%)
H60	Species-rich native hedgerow	0	Blackthorn	Prunus spinosa	Abundant (33-50%)
H60	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Abundant (33-50%)
H60	Species-rich native hedgerow	0	Pedunculate Oak	Quercus robur	Rare (0.1 -10%)
H60	Species-rich native hedgerow	0	Holly	Ilex aquifolium	Rare (0.1 -10%)
H60	Species-rich native hedgerow	0	Honeysuckle	Lonicera periclymenum	Occasional (10-25%)
H54	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H60	Species-rich native hedgerow	0	Gorse	Ulex europaeus	Rare (0.1 -10%)
H60	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
6	Mixed scrub	0	Eared Willow	Salix aurita	Occasional (10-25%)
6	Mixed scrub	0	Grey Willow	Salix cinerea	Frequent (25-33%)
16	Mixed scrub	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
6	Mixed scrub	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
16	Mixed scrub	0	Beech	Fagus sylvatica	Rare (0.1 -10%)
6	Mixed scrub	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
6	Mixed scrub	0	Hazel	Corylus avellana	Occasional (10-25%)

6	Mixed scrub	0	Hemlock Water-dropwort	Oenanthe crocata	Frequent (25-33%)
6	Mixed scrub	0	Blackthorn	Prunus spinosa	Occasional (10-25%)
H53	Species-rich native hedgerow	0	Common Water-starwort	Callitriche stagnalis	Rare (0.1 -10%)
H58	Species-rich native hedgerow	0	Hazel	Corylus avellana	Occasional (10-25%)
H53	Species-rich native hedgerow	0	Hawthorn	Crataegus monogyna	Occasional (10-25%)
H53	Species-rich native hedgerow	0	Soft-rush	Juncus effusus	Rare (0.1 -10%)
H58	Species-rich native hedgerow	0	Sycamore	Acer pseudoplatanus	Rare (0.1 -10%)
53	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Dominant (> 50%)
50	Modified grassland	0	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
50	Modified grassland	0	Timothy	Phleum pratense	Rare (0.1 -10%)
50	Modified grassland	0	Daisy	Bellis perennis	Rare (0.1 -10%)
50	Modified grassland	0	Crested Dog's-tail	Cynosurus cristatus	Occasional (10-25%)
14	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
50	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Abundant (33-50%)
14	Modified grassland	0	Yorkshire-fog	Holcus lanatus	Occasional (10-25%)
50	Modified grassland	0	White Clover	Trifolium repens	Occasional (10-25%)
20	Modified grassland	0	Yorkshire-fog	Holcus lanatus	Dominant (> 50%)
50	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Abundant (33-50%)
53	Modified grassland	0	White Clover	Trifolium repens	Occasional (10-25%)
20	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Frequent (25-33%)
53	Modified grassland	0	Creeping Bent	Agrostis stolonifera	Occasional (10-25%)
14	Modified grassland	0	Cock's-foot	Dactylis glomerata	Rare (0.1 -10%)
14	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Dominant (> 50%)
14	Modified grassland	0	Curled Dock	Rumex crispus	Rare (0.1 -10%)
53	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Frequent (25-33%)
68	Modified grassland	2	Perennial Rye-grass	Lolium perenne	Occasional (10-25%)
68	Modified grassland	2	Ribwort Plantain	Plantago lanceolata	Rare (0.1 -10%)
72	Modified grassland	0	Cock's-foot	Dactylis glomerata	Occasional (10-25%)
72	Modified grassland	0	Greater Plantain	Plantago major	Occasional (10-25%)
68	Modified grassland	2	Creeping Bent	Agrostis stolonifera	Rare (0.1 -10%)
72	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Frequent (25-33%)
72	Modified grassland	0	White Clover	Trifolium repens	Occasional (10-25%)
72	Modified grassland	0	Silverweed	Potentilla anserina	Rare (0.1 -10%)
72	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Abundant (33-50%)
72	Modified grassland	0	Smooth Sow-thistle	Sonchus oleraceus	Rare (0.1 -10%)
72	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
10	Modified grassland	0	White Clover	Trifolium repens	Rare (0.1 -10%)
19	Modified grassland	0	Cock's-foot	Dactylis glomerata	Rare (0.1 -10%)
19	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
19	Modified grassland	0	Soft-rush	Juncus effusus	Rare (0.1 -10%)
10	Modified grassland	2	Broad-leaved Dock	Rumex obtusifolius	Rare (0.1 -10%)
19	Modified grassland	0	Dog-rose	Rosa canina	Rare (0.1 -10%)
10	Modified grassland	3	Perennial Rye-grass	Lolium perenne	Dominant (> 50%)
19	Modified grassland	0	Hemp-agrimony	Eupatorium cannabinum	Rare (0.1 -10%)
19	Modified grassland	0	use if 0% plant cover	Bare ground	Frequent (25-33%)
19	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Occasional (10-25%)
19	Modified grassland	0	Great Willowherb	Epilobium hirsutum	Rare (0.1 -10%)
10	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
10	Modified grassland	3	Rough Meadow-grass	Poa trivialis	Abundant (33-50%)
19	Modified grassland	0	Yorkshire-fog	Holcus lanatus	Frequent (25-33%)
19	Modified grassland	0	Bramble	Rubus fruticosus agg.	Rare (0.1 -10%)
35	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Occasional (10-25%)
19	Modified grassland	0	Common Nettle	Urtica dioica	Rare (0.1 -10%)
58	Modified grassland	0	Creeping Buttercup	Ranunculus repens	Frequent (25-33%)
58	Modified grassland	0	White Clover	Trifolium repens	Abundant (33-50%)
35	Modified grassland	0	Rough Meadow-grass	Poa trivialis	Abundant (33-50%)
35	Modified grassland	0	Perennial Rye-grass	Lolium perenne	Dominant (> 50%)
68	Modified grassland	0	Field Forget-me-not	Myosotis arvensis	Rare (0.1 -10%)
68	Modified grassland	2	Yorkshire-fog	Holcus lanatus	Abundant (33-50%)
68	Modified grassland	1	Yorkshire-fog	Holcus lanatus	Abundant (33-50%)
68	Modified grassland	2	Sweet Vernal-grass	Anthoxanthum odoratum	Frequent (25-33%)
68	Modified grassland	1	Creeping Buttercup	Ranunculus repens	Rare (0.1 -10%)
68	Modified grassland	1	Dandelions	Taraxacum spp.	Rare (0.1 -10%)
68	Modified grassland	1	Creeping Bent	Agrostis stolonifera	Occasional (10-25%)
68	Modified grassland	1	Common Mouse-ear	Cerastium fontanum	Rare (0.1 -10%)
68	Modified grassland	1	Broad-leaved Dock	Rumex obtusifolius	Rare (0.1 -10%)
68	Modified grassland	1	Sweet Vernal-grass	Anthoxanthum odoratum	Occasional (10-25%)
68	Modified grassland	2	White Clover	Trifolium repens	Frequent (25-33%)
68	Modified grassland	1	Meadow Buttercup	Ranunculus acris	Rare (0.1 -10%)
68	Modified grassland	2	Creeping Buttercup	Ranunculus repens	Frequent (25-33%)
10	Modified grassland	1	Rough Meadow-grass	Poa trivialis	Abundant (33-50%)
82	Modified grassland	0	Soft-rush	Juncus effusus	Rare (0.1 -10%)
82	Modified grassland	0	Common Chickweed	Stellaria media	Rare (0.1 -10%)
82	Modified grassland	0	Yorkshire-fog	Holcus lanatus	Rare (0.1 -10%)
10	Modified grassland	1	Broad-leaved Dock	Rumex obtusifolius	Frequent (25-33%)
10	Modified grassland	2	Perennial Rye-grass	Lolium perenne	Dominant (> 50%)
10	Modified grassland	1	Perennial Rye-grass	Lolium perenne	Abundant (33-50%)
10	Modified grassland	2	Rough Meadow-grass	Poa trivialis	Abundant (33-50%)

## Appendix E      Photographs



Photograph 1: Other neutral grassland



Photograph 2: Other neutral grassland



Photograph 3: Other neutral grassland with scattered rushes



Photograph 4: Modified grassland





Photograph 5: Modified grassland with scattered scrub



Photograph 6: Purple moor-grass and rush pastures



Photograph 7: Purple moor-grass and rush pastures



Photograph 8: Purple moor-grass and rush pastures with scattered scrub, parcel reference 22.

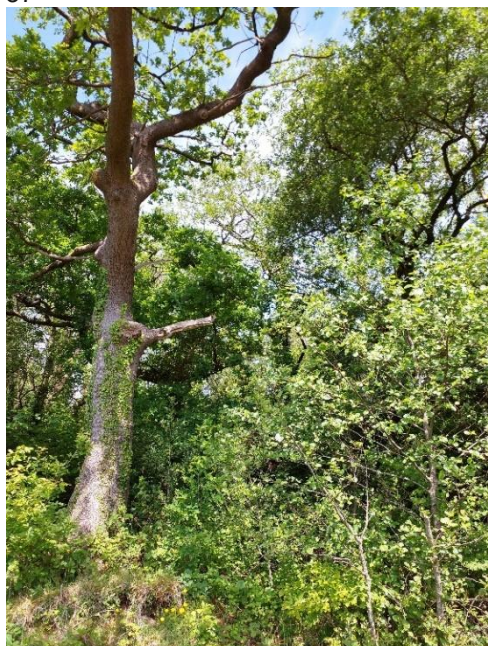




Photograph 9: Purple moor-grass and rush pastures with scattered scrub, parcel reference 37



Photograph 10: Wet woodland (plantation)



Photograph 11: Lowland mixed deciduous woodland



Photograph 12: Mixed scrub





Photograph 13: Mixed scrub



Photograph 14: Line of trees parcel reference H37



Photograph 15: Other native hedgerow



Photograph 16: Other native hedgerow associated with a ditch parcel reference H32





Photograph 17: Other native hedgerow with trees parcel reference H94



Photograph 18: Species-rich native hedgerow



Photograph 19: Species-rich native hedgerow with trees



Photograph 20: Species-rich native hedgerow with trees





Photograph 21: Species-rich native hedgerow with trees associated with a ditch



Photograph 22: Field ditch parcel reference H34