
Environmental Statement

Appendix 8.2: Phase 1 Habitat Survey

Land at Lower Berse Farm, Wrexham

On behalf of Redrow Homes Ltd

October 2025



PHASE 1 TECHNICAL NOTE



**THE
ENVIRONMENT
PARTNERSHIP**

Reference:	8745.022 _V1
Date:	September 2025
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RUTHIN ROAD, WREXHAM – UPDATED PHASE 1 HABITAT SURVEY

- 1.1 The Environment Partnership (TEP) was commissioned by Redrow Homes to carry out an updated Extended Phase 1 habitat survey of land off Ruthin Road, Wrexham (extending east from the A483 and bordered by the A525 to the north and B5099 to the south) (hereafter referred to as the 'site').
- 1.2 This technical note has been written to summarise the results of the updated Phase 1 habitat survey for the site undertaken in April 2025.

Methods

- 1.3 The updated Phase 1 habitat survey of the site was carried out by an appropriately qualified ecologist on 22nd and 23rd April 2025 making use of the existing Habitat Survey Technical Report (TEP Report Ref: 8745.005) for cross-referencing purposes.
- 1.4 The updated survey assessed the key habitats previously recorded within the site and identified any changes to these habitats or new features of ecological value, including the presence, or potential presence, of any protected or notable species. Particular note was made of any new records of statutorily protected species or habitats such as Section 41 (S41) species/habitats of principal importance, as listed under the Natural Environment and Rural Communities (NERC) Act, 2006.

Limitations

- 1.5 There were no limitations to the survey.

Results

- 1.6 The results of the updated Phase 1 habitat survey are illustrated on Drawing G8745.018A. The original target note report has been updated with minor changes and is presented in Annex A. These are discussed below.
- 1.7 Table 1 and Table 2 detail the weather conditions during the Phase 1 habitat survey.

Table 1: Weather conditions recorded 22/04/2025

Temperature	Wind	Humidity	Cloud	Precipitation
16°C	10mph	51%	59%	None

Table 2: Weather conditions recorded 23/04/2025

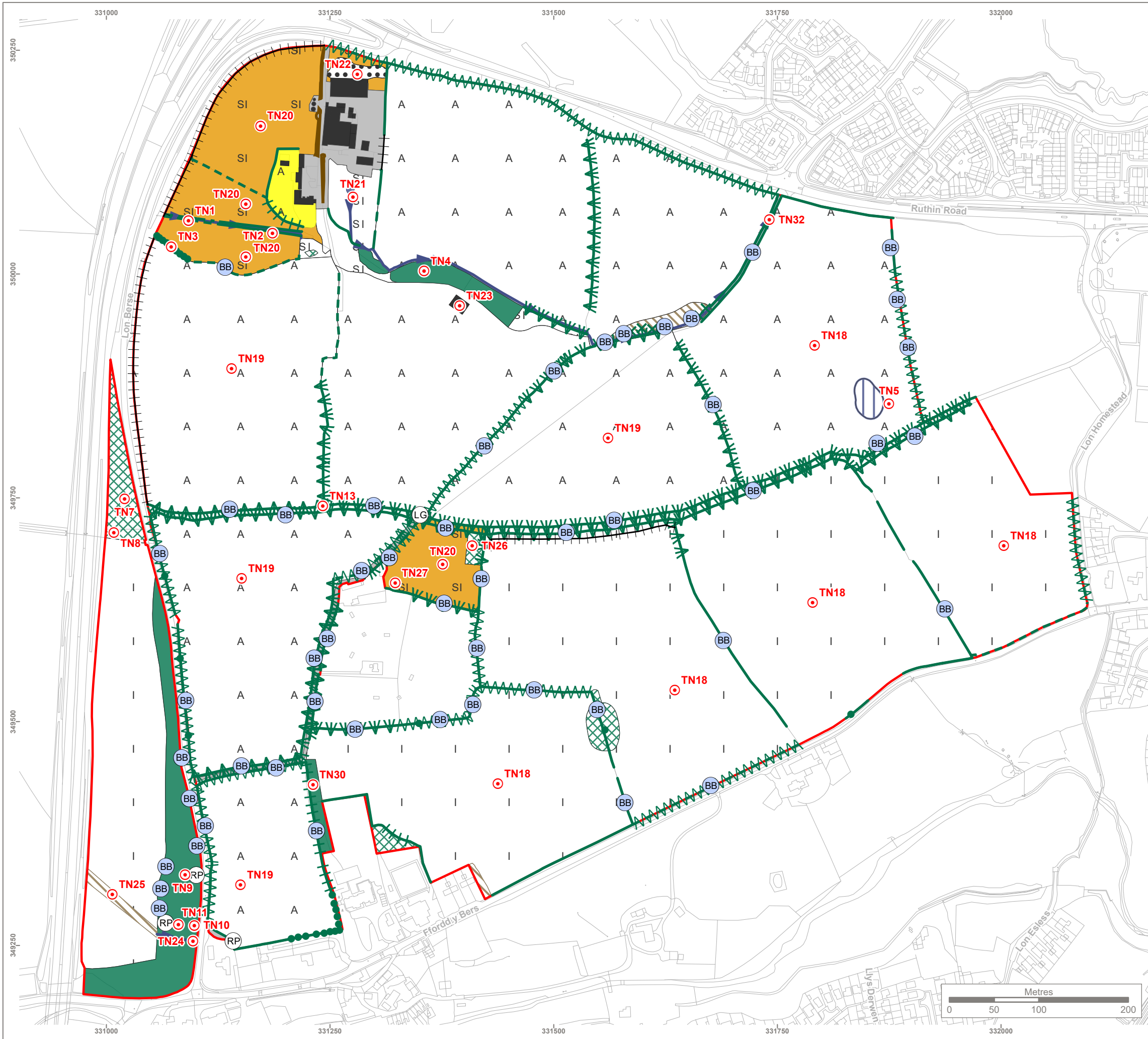
Temperature	Wind	Humidity	Cloud	Precipitation
15°C	6mph	64%	97%	None

- 1.8 Habitats on the site were largely unchanged from the 2021 survey, taking into account the natural growth over four years of semi-natural habitats. One field previously identified as poor semi-improved grassland (TN20) within the site is now being used as arable land. Likewise, all former improved grassland fields (TN19) are now arable land. Furthermore four (those adjacent to Bersham Road) of the five fields previously used as arable land (TN18) are now [improved grassland](#).
- 1.9 At TN8, the previous small area of tall ruderal herbs with hawthorn saplings has succeeded to hawthorn scrub, forming an extension to the scrub habitat at TN7.
- 1.10 There are no changes to the status of hedgerows and their species composition compared with the 2021 survey. There is an update to the mapping of hedgerows H4 and H5 which was incorrect on the 2021 Phase 1 habitat drawing at TN1, such that they are now shown as defunct species-poor hedgerows in this location.
- 1.11 Native bluebell (*Hyacinthoides non-scripta*), a WCA8 protected species, is present in multiple hedgerows within the site, but this distribution has not changed since the previous Phase 1 survey and Hedgerow survey of 2021.
- 1.12 Invasive species including variegated yellow archangel (*Lamium galeobdolon argentatum*) at TN13 and *Rhododendron ponticum* at TN11 and on a southern curtilage hedgerow remain confined to the same areas as the 2021 survey.
- 1.13 No new signs of protected or notable species were recorded. A number of other protected species surveys have also been undertaken and noted any changes on the site.

Conclusions

- 1.14 Crop rotation has changed the distribution of arable and improved grassland with a slight increase in arable land now being present. With respect to semi-natural habitats, there has been a small increase in scrub cover due to natural succession and a resulting decrease in tall ruderal cover. Protected and non-native invasive species remain within their previous distributions.
- 1.15 The changes to habitats on site are therefore considered to be limited with respect to overall ecological value and do not constitute a significant change in baseline conditions.

Drawing: G8745.018A Phase 1 Habitat plan



KEY

Site boundary

Target note

Yellow archangel

Rhododendron ponticum

Bluebell

Scattered scrub

Scattered broad-leaved tree

Running water

Native species-rich intact hedge

Species-poor intact hedge

Native species-rich defunct hedge

Species-poor defunct hedge

Native species-rich hedge and trees

Species-poor hedge and trees

Fence

Wall

Semi-natural broad-leaved woodland

Dense/continuous scrub

Semi-improved neutral grassland

Improved grassland

Poor semi-improved grassland

Tall ruderal

Dry pond

Standing water

Arable

Amenity grassland

Building

Bare ground

Hardstanding

Note:
The locations of habitats and habitat features are indicative.

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Site Map

A	2025 Updated Phase 1 Habitat Survey	IJ	LM	14/08/2025
Rev	Description	Drawn	Approved	Date

THE ENVIRONMENT PARTNERSHIP

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Project

Ruthin Road, Wrexham

Title

Phase 1 Habitat Survey

Drawing Number

G8745.018A

Drawn	Checked	Approved	Scale	Date
CW	SA	CG	1:4,250 @ A3	08/09/2025



Annex A: Updated Target Note Report

Target Notes Report

Land off Ruthin Road, Wrexham

HEDGES

These hedgerow target notes generally only list the important species with regards to a hedgerow assessment. For full lists of species present please refer to document 8745.008 – Updated Hedgerow Assessment Technical Report.

Target Note HEDGE 1

<i>Crataegus monogyna</i>	Hawthorn	D
<i>Rosa sp.</i>	Rose species	O
<i>Rubus fruticosus agg.</i>	Bramble	O



Target Note HEDGE 2

<i>Crataegus monogyna</i>	Hawthorn	D
<i>Rosa canina agg.</i>	Dog Rose	F
<i>Sambucus nigra</i>	Elder	F
<i>Corylus avellana</i>	Hazel	O
<i>Fraxinus excelsior</i>	Ash	O



Target Note HEDGE 3

<i>Crataegus monogyna</i>	Hawthorn	D
<i>Ilex aquifolium</i>	Holly	F
<i>Rosa</i> sp.	Rose species	F
<i>Fraxinus excelsior</i>	Ash	O
<i>Hedera helix</i>	Ivy	O
<i>Sambucus nigra</i>	Elder	O
<i>Corylus avellana</i>	Hazel	R
<i>Ulmus</i> sp.	Elm species	R



Target Note HEDGE 4

Parallel managed hedges on either side of a flowing brook (also see Hedge 5).

<i>Cirsium arvense</i>	Creeping Thistle	A
<i>Crataegus monogyna</i>	Hawthorn	A
<i>Rubus fruticosus</i> agg.	Bramble	A
<i>Sambucus nigra</i>	Elder	A
<i>Rosa</i> sp.	Rose species	F
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Calystegia</i> sp.	Bindweed species	O
<i>Fraxinus excelsior</i>	Ash	O
<i>Heracleum sphondylium</i>	Hogweed	O
<i>Salix</i> species	Willow species	R



Target Note HEDGE 5

Continuation of above hedges (Hedge 4) on the other side of a gap for a field entrance over the brook, with the brook between two parallel managed hedges.

Crataegus monogyna
Rosa sp.
Rubus fruticosus agg.
Fraxinus excelsior
Sambucus nigra

Hawthorn
 Rose species
 Bramble
 Ash
 Elder

A
 F
 F
 O
 O



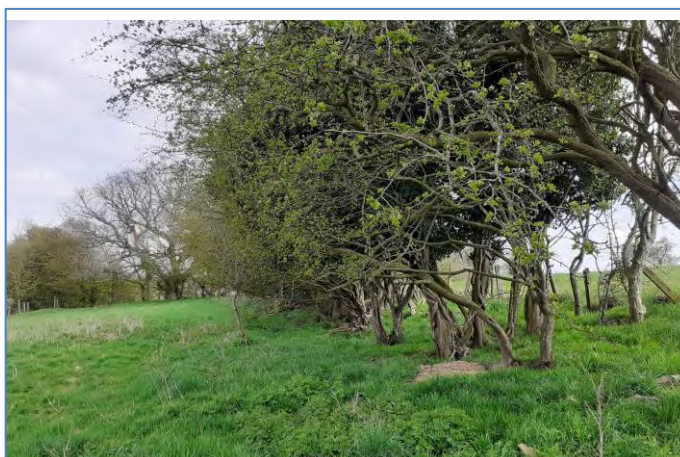
Target Note HEDGE 6

A species poor defunct hedge

Crataegus monogyna

Hawthorn

D



Target Note HEDGE 7

Mature hedge on bank

Crataegus monogyna
Rosa canina agg.
Dryopteris dilatata
Hedera helix
Hyacinthoides non-scripta
Ilex aquifolium
Prunus spinosa
Quercus robur
Sambucus nigra
Corylus avellana
Malus sp.

Hawthorn
Dog Rose
Broad Buckler-fern
Ivy
Bluebell
Holly
Blackthorn
English Oak
Elder
Hazel

D
A
O
O
O
O
O
O
O
R
R



Target Note HEDGE 8

Short section of species-poor hedge

Crataegus monogyna
Sambucus nigra
Hedera helix
Rubus fruticosus agg.

Hawthorn
Elder
Ivy
Bramble

D
O
O
O



Target Note HEDGE 9

Gaps with ruderal growth

Urtica dioica
Cirsium arvense

Nettle
Creeping Thistle

A
F

<i>Crataegus monogyna</i>	Hawthorn	F
<i>Rosa canina</i> agg.	Dog Rose	F
<i>Rubus fruticosus</i> agg.	Bramble	F
<i>Fraxinus excelsior</i>	Ash	O
<i>Quercus robur</i>	English Oak	O
<i>Sambucus nigra</i>	Elder	O
<i>Acer campestre</i>	Field Maple	R



Target Note HEDGE 10

<i>Ilex aquifolium</i>	Holly	A
<i>Acer pseudoplatanus</i>	Sycamore	F
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Prunus spinosa</i>	Blackthorn	F
<i>Rosa</i> sp.	Rose species	F
<i>Rubus fruticosus</i> agg.	Bramble	F
<i>Acer campestre</i>	Field Maple	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Corylus avellana</i>	Hazel	O
<i>Fraxinus excelsior</i>	Ash	O
<i>Geum urbanum</i>	Wood avens	O
<i>Hedera helix</i>	Ivy	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Hyacinthoides x massartiana</i>	Hybrid Bluebell	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Prunus spinosa</i>	Blackthorn	O
<i>Sambucus nigra</i>	Elder	O
<i>Ulmus glabra</i>	Wych Elm	O
<i>Prunus</i> sp.	Cherry species	R



Target Note HEDGE 11

Crataegus monogyna
Rosa canina agg.
Alnus glutinosa
Corylus avellana
Fraxinus excelsior
Hyacinthoides non-scripta
Ilex aquifolium
Salix caprea
Sambucus nigra
Ulmus glabra
Arum maculatum

Hawthorn
 Dog Rose
 Alder
 Hazel
 Ash
 Bluebell
 Holly
 Goat Willow
 Elder
 Wych Elm
 Lords-and-Ladies

D
 F
 O
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 O



Target Note HEDGE 12

Crataegus monogyna
Fraxinus excelsior
Ilex aquifolium
Rosa canina agg.
Acer pseudoplatanus
Corylus avellana
Hedera helix
Hyacinthoides non-scripta
Prunus spinosa
Arum maculatum

Hawthorn
 Ash
 Holly
 Dog Rose
 Sycamore
 Hazel
 Ivy
 Bluebell
 Blackthorn
 Lords-and-Ladies

A
 F
 F
 F
 O
 O
 O
 F
 O
 R

Sambucus nigra
Ulmus glabra

Elder
Wych Elm

R
R



Target Note HEDGE 13

Adjacent to footpath

Crataegus monogyna
Ilex aquifolium
Rubus fruticosus agg.
Acer pseudoplatanus
Corylus avellana
Arum maculatum
Ilex aquifolium
Dryopteris dilatata
Fraxinus excelsior
Geum urbanum
Hyacinthoides non-scripta
Lamium galeobdolon
Prunus spinosa
Rosa canina agg.
Sambucus nigra
Ulmus glabra
Acer campestre

Hawthorn
Holly
Bramble
Sycamore
Hazel
Lords-and-Ladies
Holly
Broad Buckler-fern
Ash
Wood avens
Bluebell
Yellow archangel
Blackthorn
Dog Rose
Elder
Wych Elm
Field Maple

D
A
F
O
O
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O
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O
O
O
O
O
O
O
O
R



Target Note HEDGE 14

Ilex aquifolium
Acer pseudoplatanus

Holly
Sycamore

A
F

<i>Crataegus monogyna</i>	Hawthorn	F
<i>Fraxinus excelsior</i>	Ash	F
<i>Prunus spinosa</i>	Blackthorn	F
<i>Ulmus glabra</i>	Wych Elm	F
<i>Allium ursinum</i>	Ramsons	O
<i>Acer campestre</i>	Field Maple	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Corylus avellana</i>	Hazel	O
<i>Crataegus monogyna</i>	Hawthorn	O
<i>Dryopteris dilatata</i>	Broad Buckler-fern	O
<i>Geum urbanum</i>	Wood avens	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Quercus robur</i>	English Oak	O
<i>Rosa canina</i> agg.	Dog Rose	O
<i>Rubus fruticosus</i> agg.	Bramble	O
<i>Sambucus nigra</i>	Elder	O



Target Note HEDGE 15

<i>Prunus spinosa</i>	Blackthorn	D
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Allium ursinum</i>	Ramsons	O
<i>Sambucus nigra</i>	Elder	F
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Corylus avellana</i>	Hazel	O
<i>Hedera helix</i>	Ivy	O
<i>Adoxa moschatellina</i>	Moschatel	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Rosa canina</i> agg.	Dog Rose	O
<i>Sambucus nigra</i>	Elder	O
<i>Acer campestre</i>	Field Maple	R
<i>Ilex aquifolium</i>	Holly	R
<i>Salix cinerea</i>	Grey Willow	R
<i>Ulmus glabra</i>	Wych Elm	R



Target Note HEDGE 16

Hedge with a flowing ditch running along its northern side.

<i>Crataegus monogyna</i>	Hawthorn	A
<i>Corylus avellana</i>	Hazel	F
<i>Fraxinus excelsior</i>	Ash	F
<i>Ilex aquifolium</i>	Holly	F
<i>Prunus spinosa</i>	Blackthorn	F
<i>Rubus fruticosus</i> agg.	Bramble	F
<i>Acer campestre</i>	Field Maple	O
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Hedera helix</i>	Ivy	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Prunus</i> sp.	Cherry species	O
<i>Quercus robur</i>	English Oak	O
<i>Geranium robertianum</i>	Herb-Robert	O
<i>Rosa</i> sp.	Rose species	O





Target Note HEDGE 17

<i>Crataegus monogyna</i>	Hawthorn	A
<i>Prunus spinosa</i>	Blackthorn	A
<i>Corylus avellana</i>	Hazel	F
<i>Fraxinus excelsior</i>	Ash	F
<i>Ilex aquifolium</i>	Holly	F
<i>Calystegia sp.</i>	Bindweed species	O
<i>Hedera helix</i>	Ivy	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Rubus fruticosus agg.</i>	Bramble	O
<i>Sambucus nigra</i>	Elder	O
<i>Ulmus glabra</i>	Wych Elm	O
<i>Acer pseudoplatanus</i>	Sycamore	R
<i>Geum rivale</i>	Water Avens	R
<i>Geum urbanum</i>	Wood Avens	R



Target Note HEDGE 18

<i>Crataegus monogyna</i>	Hawthorn	D
<i>Prunus spinosa</i>	Blackthorn	A
<i>Corylus avellana</i>	Hazel	F
<i>Rosa sp.</i>	Rose species	F

<i>Fraxinus excelsior</i>	Ash	O
<i>Ilex aquifolium</i>	Holly	O
<i>Rubus fruticosus</i> agg.	Bramble	O
<i>Abies grandis</i>	Grand Fir	R
<i>Acer pseudoplatanus</i>	Sycamore	R
<i>Arum maculatum</i>	Lords-and-Ladies	R
<i>Sambucus nigra</i>	Elder	R
<i>Ulmus glabra</i>	Wych Elm	R



Target Note HEDGE 19

<i>Crataegus monogyna</i>	Hawthorn	D
<i>Calystegia</i> sp.	Bindweed species	F
<i>Rubus fruticosus</i> agg.	Bramble	F
<i>Geum urbanum</i>	Wood avens	O
<i>Hedera helix</i>	Ivy	O
<i>Rosa</i> sp.	Rose species	O
<i>Corylus avellana</i>	Hazel	R
<i>Ulmus glabra</i>	Wych Elm	R



Target Note HEDGE 20

<i>Crataegus monogyna</i>	Hawthorn	D
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<i>Corylus avellana</i>	Hazel	F
<i>Ilex aquifolium</i>	Holly	F
<i>Prunus spinosa</i>	Blackthorn	F
<i>Pteridium aquilinum</i>	Bracken	F
<i>Sambucus nigra</i>	Elder	F
<i>Hedera helix</i>	Ivy	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Rosa canina</i> agg.	Dog Rose	O
<i>Rubus fruticosus</i> agg.	Bramble	O
<i>Senecio jacobaea</i>	Ragwort	O
<i>Ulmus glabra</i>	Wych Elm	O
<i>Acer campestre</i>	Field Maple	R
<i>Arum maculatum</i>	Lords-and-Ladies	R
<i>Cornus sanguinea</i>	Dogwood	R
<i>Geum urbanum</i>	Wood avens	R



Target Note HEDGE 21

Badger holes at the eastern end of this hedgerow.

<i>Corylus avellana</i>	Hazel	A
<i>Crataegus monogyna</i>	Hawthorn	A
<i>Prunus spinosa</i>	Blackthorn	A
<i>Calystegia</i> sp.	Bindweed species	F
<i>Ilex aquifolium</i>	Holly	F
<i>Pteridium aquilinum</i>	Bracken	F
<i>Rosa</i> sp.	Rose species	F
<i>Sambucus nigra</i>	Elder	F
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Allium ursinum</i>	Ramsons	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Fraxinus excelsior</i>	Ash	O
<i>Hedera helix</i>	Ivy	O
<i>Acer campestre</i>	Field Maple	R
<i>Geranium robertianum</i>	Herb-Robert	R
<i>Geum urbanum</i>	Wood avens	R
<i>Mercurialis perennis</i>	Dog's Mercury	R
<i>Ulmus glabra</i>	Wych Elm	R



Target Note HEDGE 22

<i>Corylus avellana</i>	Hazel	A
<i>Crataegus monogyna</i>	Hawthorn	A
<i>Prunus spinosa</i>	Blackthorn	A
<i>Ilex aquifolium</i>	Holly	F
<i>Sambucus nigra</i>	Elder	F
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Allium ursinum</i>	Ramsons	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Fraxinus excelsior</i>	Ash	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Acer campestre</i>	Field Maple	R
<i>Geranium robertianum</i>	Herb-Robert	R
<i>Geum urbanum</i>	Wood avens	R
<i>Hedera helix</i>	Ivy	R
<i>Mercurialis perennis</i>	Dog's Mercury	R



Target Note HEDGE 23

Badger sett at the north end. Some large mature trees along this hedge.

<i>Prunus spinosa</i>	Blackthorn	A
<i>Corylus avellana</i>	Hazel	F

<i>Sambucus nigra</i>	Elder	F
<i>Acer campestre</i>	Field Maple	O
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Crataegus monogyna</i>	Hawthorn	O
<i>Hedera helix</i>	Ivy	O
<i>Rubus fruticosus</i> agg.	Bramble	O
<i>Ulmus glabra</i>	Wych Elm	O



Target Note HEDGE 24

<i>Prunus spinosa</i>	Blackthorn	A
<i>Acer campestre</i>	Field Maple	F
<i>Calystegia</i> sp.	Bindweed species	F
<i>Corylus avellana</i>	Hazel	F
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Geum urbanum</i>	Wood avens	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Ilex aquifolium</i>	Holly	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Rosa canina</i> agg.	Dog Rose	O
<i>Sambucus nigra</i>	Elder	O
<i>Ulmus glabra</i>	Wych Elm	R



Target Note HEDGE 25

Defunct hedge

<i>Acer campestre</i>	Field Maple	O
<i>Crataegus monogyna</i>	Hawthorn	A
<i>Quercus robur</i>	English Oak	O
<i>Rosa canina</i> agg.	Dog Rose	O
<i>Sambucus nigra</i>	Elder	O
<i>Corylus avellana</i>	Hazel	F
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Geum urbanum</i>	Wood avens	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Ilex aquifolium</i>	Holly	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Rosa canina</i> agg.	Dog Rose	O
<i>Sambucus nigra</i>	Elder	O
<i>Ulmus glabra</i>	Wych Elm	R



Target Note HEDGE 26

Heavily managed

<i>Crataegus monogyna</i>	Hawthorn	F
<i>Ilex aquifolium</i>	Holly	F
<i>Acer campestre</i>	Field Maple	O
<i>Quercus robur</i>	English Oak	O
<i>Rosa</i> sp.	Rose species	O
<i>Sambucus nigra</i>	Elder	O
<i>Ulmus glabra</i>	Wych Elm	R



Target Note HEDGE 27

<i>Crataegus monogyna</i>	Hawthorn	A
<i>Prunus spinosa</i>	Blackthorn	F
<i>Sambucus nigra</i>	Elder	F
<i>Ulmus glabra</i>	Wych Elm	F
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Corylus avellana</i>	Hazel	O
<i>Hedera helix</i>	Ivy	O
<i>Rosa sp.</i>	Rose species	O
<i>Salix caprea</i>	Goat Willow	O
<i>Fraxinus excelsior</i>	Ash	R
<i>Ilex aquifolium</i>	Holly	R



Target Note HEDGE 28

<i>Crataegus monogyna</i>	Hawthorn	A
<i>Rubus fruticosus agg.</i>	Bramble	F
<i>Sambucus nigra</i>	Elder	F
<i>Ilex aquifolium</i>	Holly	O



Target Note HEDGE 29

Crataegus monogyna
Rubus fruticosus agg.
Acer pseudoplatanus
Corylus avellana
Fraxinus excelsior
Ilex aquifolium
Ulmus glabra
Rosa sp.
Sambucus nigra

Hawthorn
 Bramble
 Sycamore
 Hazel
 Ash
 Holly
 Wych Elm
 Rose species
 Elder

D
 F
 O
 O
 O
 O
 O
 R
 O



Target Note HEDGE 30

Crataegus monogyna
Hedera helix
Ulmus glabra
Prunus spinosa
Sambucus nigra
Acer pseudoplatanus
Fraxinus excelsior

Hawthorn
 Ivy
 Wych Elm
 Blackthorn
 Elder
 Sycamore
 Ash

A
 F
 F
 O
 O
 R
 R



Target Note HEDGE 31

Heavily managed

<i>Crataegus monogyna</i>	Hawthorn	A
<i>Ulmus glabra</i>	Wych Elm	A
<i>Acer campestre</i>	Field Maple	O
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Corylus avellana</i>	Hazel	O
<i>Fraxinus excelsior</i>	Ash	O
<i>Hedera helix</i>	Ivy	O
<i>Ilex aquifolium</i>	Holly	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Rosa canina</i> agg.	Dog Rose	O
<i>Sambucus nigra</i>	Elder	O
<i>Tamus communis</i>	Black Bryony	R



Target Note HEDGE 32

Defunct

<i>Crataegus monogyna</i>	Hawthorn	A
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Fraxinus excelsior
Rubus fruticosus agg.
Hedera helix

Ash
Bramble
Ivy

F
F
O



Target Note HEDGE 33

Heavily managed

Acer campestre
Crataegus monogyna
Hedera helix
Ulmus glabra
Arum maculatum
Corylus avellana
Hyacinthoides non-scripta
Mercurialis perennis
Prunus spinosa
Rubus fruticosus agg.
Bryonia dioica
Ilex aquifolium
Rosa canina
Sambucus nigra

Field Maple
Hawthorn
Ivy
Wych Elm
Lords-and-Ladies
Hazel
Bluebell
Dog's Mercury
Blackthorn
Bramble
White Bryony
Holly
Dog Rose
Elder

A
F
F
F
O
O
O
O
O
O
R
R
R
R



Target Note HEDGE 34

Mature, tall hedge

<i>Ilex aquifolium</i>	Holly	D
<i>Hedera helix</i>	Ivy	A
<i>Corylus avellana</i>	Hazel	F
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Allium ursinum</i>	Ramsons	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Fraxinus excelsior</i>	Ash	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Prunus spinosa</i>	Blackthorn	O
<i>Rosa sp.</i>	Rose species	O
<i>Sambucus nigra</i>	Elder	O
<i>Ulmus glabra</i>	Wych Elm	O
<i>Geranium robertianum</i>	Herb-Robert	R
<i>Geum urbanum</i>	Wood avens	R
<i>Mercurialis perennis</i>	Dog's Mercury	R
<i>Quercus robur</i>	English Oak	R
<i>Salix caprea</i>	Goat Willow	R
<i>Taxus baccata</i>	Yew	R



Target Note HEDGE 35

20m section

<i>Prunus spinosa</i>	Blackthorn	D
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Rubus fruticosus agg.</i>	Bramble	O



Target Note HEDGE 36

Partly defunct

<i>Crataegus monogyna</i>	Hawthorn
<i>Rubus fruticosus</i> agg.	Bramble
<i>Fraxinus excelsior</i>	Ash
<i>Rosa</i> sp.	Rose species
<i>Quercus robur</i>	English Oak

A
A
F
O
R



Target Note HEDGE 37

More species diverse at the north end.

<i>Corylus avellana</i>	Hazel
<i>Crataegus monogyna</i>	Hawthorn
<i>Ilex aquifolium</i>	Holly
<i>Prunus spinosa</i>	Blackthorn
<i>Rubus fruticosus</i> agg.	Bramble
<i>Sambucus nigra</i>	Elder
<i>Hedera helix</i>	Ivy
<i>Hyacinthoides non-scripta</i>	Bluebell
<i>Quercus robur</i>	English Oak
<i>Rosa canina</i> .	Dog Rose
<i>Acer campestre</i>	Field Maple
<i>Ulmus glabra</i>	Wych Elm

A
A
F
F
F
O
O
O
O
R
R



Target Note HEDGE 38

Mature outgrown hedge with trees.

<i>Acer campestre</i>	Field Maple	F
<i>Corylus avellana</i>	Hazel	F
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Fraxinus excelsior</i>	Ash	F
<i>Hedera helix</i>	Ivy	F
<i>Ilex aquifolium</i>	Holly	F
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Allium ursinum</i>	Ramsons	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Geranium robertianum</i>	Herb-Robert	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Prunus spinosa</i>	Blackthorn	O
<i>Quercus robur</i>	English Oak	O
<i>Rosa canina</i> agg.	Dog Rose	O
<i>Rubus fruticosus</i> agg.	Bramble	O
<i>Sambucus nigra</i>	Elder	O
<i>Schedonorus giganteus</i> .	Giant Fescue	O
<i>Ulmus glabra</i>	Wych Elm	O
<i>Taxus baccata</i>	Yew	R



Target Note HEDGE 39

<i>Acer campestre</i>	Field Maple	F
<i>Corylus avellana</i>	Hazel	F
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Fraxinus excelsior</i>	Ash	F

<i>Ilex aquifolium</i>	Holly	F
<i>Sambucus nigra</i>	Elder	F
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Hedera helix</i>	Ivy	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Quercus robur</i>	English Oak	O
<i>Rosa sp.</i>	Rose species	O
<i>Rubus fruticosus agg.</i>	Bramble	O
<i>Arum maculatum</i>	Lords-and-Ladies	R
<i>Dryopteris dilatata</i>	Broad Buckler-fern	R
<i>Geum urbanum</i>	Wood avens	R
<i>Prunus avium</i>	Wild Cherry	R
<i>Ulmus glabra</i>	Wych Elm	R



Target Note HEDGE 40

<i>Crataegus monogyna</i>	Hawthorn	A
<i>Ilex aquifolium</i>	Holly	A
<i>Rubus fruticosus agg.</i>	Bramble	F
<i>Allium ursinum</i>	Ramsons	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Fraxinus excelsior</i>	Ash	O
<i>Hedera helix</i>	Ivy	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Quercus robur</i>	English Oak	O
<i>Rosa canina agg.</i>	Dog Rose	O
<i>Sambucus nigra</i>	Elder	O



Target Note HEDGE 41

Mature with trees. On a bank. There are 2 badger holes along this hedgerow.

<i>Crataegus monogyna</i>	Hawthorn	F
<i>Ilex aquifolium</i>	Holly	F
<i>Rosa canina</i> agg.	Dog Rose	F
<i>Rubus fruticosus</i> agg.	Bramble	F
<i>Sambucus nigra</i>	Elder	F
<i>Acer campestre</i>	Field Maple	O
<i>Corylus avellana</i>	Hazel	O
<i>Fraxinus excelsior</i>	Ash	O
<i>Hedera helix</i>	Ivy	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Prunus spinosa</i>	Blackthorn	O
<i>Quercus robur</i>	English Oak	O
<i>Ulmus glabra</i>	Wych Elm	O



Target Note HEDGE 42

There are 3 badger holes situated along this hedgerow.

<i>Corylus avellana</i>	Hazel	F
<i>Ilex aquifolium</i>	Holly	F
<i>Prunus spinosa</i>	Blackthorn	F
<i>Rubus fruticosus</i> agg.	Bramble	F
<i>Sambucus nigra</i>	Elder	F

Crataegus monogyna
Hyacinthoides non-scripta
Pteridium aquilinum
Quercus robur
Rosa canina agg.
Quercus rubra

Hawthorn
 Bluebell
 Bracken
 English Oak
 Dog Rose
 Red Oak

O
 O
 O
 O
 O
 R



Target Note HEDGE 43

Crataegus monogyna
Acer pseudoplatanus
Hedera helix
Rubus fruticosus agg.
Rosa sp.
Fraxinus excelsior

Hawthorn
 Sycamore
 Ivy
 Bramble
 Rose species
 Ash

D
 O
 O
 O
 O
 R



Target Note HEDGE 44

Crataegus monogyna
Rubus fruticosus agg.
Sambucus nigra
Fraxinus excelsior

Hawthorn
 Bramble
 Elder
 Ash

F
 F
 F
 O



Target Note HEDGE 45

Ilex aquifolium
Sambucus nigra
Allium ursinum
Arum maculatum
Crataegus monogyna
Hyacinthoides non-scripta
Quercus robur
Mercurialis perennis
Rosa canina agg.
Rubus fruticosus agg.
Acer pseudoplatanus
Geum urbanum
Ulmus glabra

Holly
 Elder
 Ramsons
 Lords-and-Ladies
 Hawthorn
 Bluebell
 English Oak
 Dog's Mercury
 Dog Rose
 Bramble
 Sycamore
 Wood avens
 Wych Elm

D
 F
 O
 O
 O
 O
 O
 O
 O
 O
 R
 R
 R



Target Note HEDGE 46

Ilex aquifolium
Corylus avellana
Crataegus monogyna
Rubus fruticosus agg.
Sambucus nigra
Acer campestre
Hyacinthoides non-scripta
Prunus spinosa
Rosa canina agg.

Holly
 Hazel
 Hawthorn
 Bramble
 Elder
 Field Maple
 Bluebell
 Blackthorn
 Dog Rose

A
 F
 F
 F
 F
 O
 O
 O
 O

Fraxinus excelsior
Tamus communis
Quercus robur

Ash
 Black Bryony
 English Oak

R
 R
 R



Target Note HEDGE 47

There are 2 badger holes along this hedgerow.

Crataegus monogyna
Pteridium aquilinum
Fraxinus excelsior
Ilex aquifolium
Prunus spinosa
Rubus fruticosus agg.
Sambucus nigra
Acer campestre
Arum maculatum
Corylus avellana
Hyacinthoides non-scripta
Rosa canina
Quercus robur

Hawthorn
 Bracken
 Ash
 Holly
 Blackthorn
 Bramble
 Elder
 Field Maple
 Lords-and-Ladies
 Hazel
 Bluebell
 Dog Rose
 English Oak

A
 A
 F
 F
 F
 F
 F
 O
 O
 O
 O
 O
 R



Target Note HEDGE 48

Ilex aquifolium
Corylus avellana
Hedera helix

Holly
 Hazel
 Ivy

A
 F
 F

<i>Rosa canina</i>	Dog Rose	F
<i>Sambucus nigra</i>	Elder	F
<i>Allium ursinum</i>	Ramsons	O
<i>Crataegus monogyna</i>	Hawthorn	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Acer campestre</i>	Field Maple	R
<i>Acer pseudoplatanus</i>	Sycamore	R
<i>Fraxinus excelsior</i>	Ash	R
<i>Geum urbanum</i>	Wood avens	R
<i>Quercus robur</i>	English Oak	R
<i>Ulmus glabra</i>	Wych Elm	R



Target Note HEDGE 49

<i>Crataegus monogyna</i>	Hawthorn	A
<i>Ilex aquifolium</i>	Holly	A
<i>Prunus spinosa</i>	Blackthorn	A
<i>Rosa</i> sp.	Rose species	F
<i>Rubus fruticosus</i> agg.	Bramble	F
<i>Acer campestre</i>	Field Maple	O
<i>Corylus avellana</i>	Hazel	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Sambucus nigra</i>	Elder	O



Target Note HEDGE 50

Crataegus monogyna
Ilex aquifolium
Prunus spinosa
Rubus fruticosus agg.
Hedera helix
Hyacinthoides non-scripta
Rosa sp.
Acer pseudoplatanus
Fagus sylvatica
Sambucus nigra

Hawthorn
Holly
Blackthorn
Bramble
Ivy
Bluebell
Rose species
Sycamore
Beech
Elder

A
F
F
F
O
O
O
R
R
R



Target Note HEDGE 51

A defunct hedge with gaps.

Ilex aquifolium
Crataegus monogyna
Rubus fruticosus agg.
Sambucus nigra
Acer campestre
Fraxinus excelsior
Hyacinthoides non-scripta
Prunus spinosa

Holly
Hawthorn
Bramble
Elder
Field Maple
Ash
Bluebell
Blackthorn

A
F
F
O
R
R
R
R



Target Note HEDGE 52

Pteridium aquilinum
Crataegus monogyna
Prunus spinosa
Arum maculatum

Bracken
Hawthorn
Blackthorn
Lords-and-Ladies

A
F
F
O

<i>Corylus avellana</i>	Hazel	O
<i>Hedera helix</i>	Ivy	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Rosa canina</i>	Dog Rose	O
<i>Sambucus nigra</i>	Elder	O



Target Note HEDGE 53

<i>Ilex aquifolium</i>	Holly	A
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Rubus fruticosus</i> agg.	Bramble	F
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Corylus avellana</i>	Hazel	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Prunus spinosa</i>	Blackthorn	O
<i>Sambucus nigra</i>	Elder	O
<i>Rosa canina</i>	Dog Rose	O
<i>Fraxinus excelsior</i>	Ash	R



Target Note HEDGE 54

<i>Prunus spinosa</i>	Blackthorn	A
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<i>Crataegus monogyna</i>	Hawthorn	F
<i>Ilex aquifolium</i>	Holly	F
<i>Rosa canina</i>	Dog Rose	F
<i>Rubus fruticosus</i> agg.	Bramble	F
<i>Sambucus nigra</i>	Elder	F
<i>Acer campestre</i>	Field Maple	O
<i>Allium ursinum</i>	Ramsons	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Fraxinus excelsior</i>	Ash	O
<i>Geum urbanum</i>	Wood avens	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Quercus robur</i>	English Oak	O
<i>Ulmus glabra</i>	Wych Elm	O



Target Note HEDGE 55

<i>Ilex aquifolium</i>	Holly	D
<i>Acer pseudoplatanus</i>	Sycamore	A
<i>Acer campestre</i>	Field Maple	F
<i>Corylus avellana</i>	Hazel	F
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Prunus spinosa</i>	Blackthorn	F
<i>Rubus fruticosus</i> agg.	Bramble	F
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Geum urbanum</i>	Wood avens	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Quercus robur</i>	English Oak	O
<i>Rosa canina</i> agg.	Dog Rose	O
<i>Sambucus nigra</i>	Elder	O
<i>Malus pumila</i>	Apple	R



Target Note HEDGE 56

<i>Acer campestre</i>	Field Maple	F
<i>Corylus avellana</i>	Hazel	F
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Prunus sp.</i>	Cherry species	F
<i>Prunus spinosa</i>	Blackthorn	F
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Fraxinus excelsior</i>	Ash	O
<i>Geum urbanum</i>	Wood avens	O
<i>Hedera helix</i>	Ivy	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Rosa canina</i>	Dog Rose	O
<i>Sambucus nigra</i>	Elder	O
<i>Ilex aquifolium</i>	Holly	R
<i>Prunus avium</i>	Wild Cherry	R



Target Note HEDGE 57

Recently cut hedgerow.

<i>Crataegus monogyna</i>	Hawthorn	A
<i>Corylus avellana</i>	Hazel	F
<i>Hedera helix</i>	Ivy	F
<i>Ilex aquifolium</i>	Holly	F

Prunus spinosa
Acer campestre
Hyacinthoides non-scripta
Mercurialis perennis
Quercus robur
Rosa canina agg.
Fraxinus excelsior
Sambucus nigra
Ulmus glabra

Blackthorn
 Field Maple
 Bluebell
 Dog's Mercury
 English Oak
 Dog Rose
 Ash
 Elder
 Wych Elm

F
 O
 O
 O
 O
 O
 O
 O
 O



Target Note HEDGE 58

Crataegus monogyna
Hedera helix
Acer pseudoplatanus
Rubus fruticosus agg.

Hawthorn
 Ivy
 Sycamore
 Bramble

D
 F
 O
 O



Target Note HEDGE 59

Crataegus monogyna
Hedera helix
Ulmus glabra
Acer pseudoplatanus

Hawthorn
 Ivy
 Wych Elm
 Sycamore

D
 F
 O
 R



Target Note HEDGE 60

Crataegus monogyna
Rubus fruticosus agg.
Acer pseudoplatanus
Hedera helix
Mercurialis perennis
Prunus spinosa
Quercus robur
Rosa canina agg.
Sambucus nigra
Betula pendula

Hawthorn
 Bramble
 Sycamore
 Ivy
 Dog's Mercury
 Blackthorn
 English Oak
 Dog Rose
 Elder
 Silver Birch

F
 F
 O
 O
 O
 O
 O
 O
 O
 R



Target Note HEDGE 61

Acer pseudoplatanus
Corylus avellana
Crataegus monogyna
Hedera helix
Ilex aquifolium

Sycamore
 Hazel
 Hawthorn
 Ivy
 Holly

F
 F
 F
 O
 O



Target Note HEDGE 62

Ilex aquifolium
Acer pseudoplatanus
Crataegus monogyna
Arum maculatum
Geum urbanum
Prunus spinosa
Sambucus nigra

Holly
 Sycamore
 Hawthorn
 Lords-and-Ladies
 Wood avens
 Blackthorn
 Elder

A
 F
 F
 O
 O
 O
 O



Target Note HEDGE 63

Acer pseudoplatanus
Corylus avellana
Crataegus monogyna
Prunus spinosa
Rosa sp.
Rubus fruticosus agg.
Sambucus nigra
Arum maculatum
Hyacinthoides non-scripta
Ilex aquifolium
Mercurialis perennis
Quercus robur

Sycamore
 Hazel
 Hawthorn
 Blackthorn
 Rose species
 Bramble
 Elder
 Lords-and-Ladies
 Bluebell
 Holly
 Dog's Mercury
 English Oak

A
 A
 A
 A
 F
 F
 F
 O
 O
 O
 O
 O



Target Note HEDGE 64

The southern end of this hedge near the buildings is predominantly a beech hedge but diversifies along the roadside as it gets further north.

<i>Corylus avellana</i>	Hazel	A
<i>Fagus sylvatica</i>	Beech	A
<i>Acer pseudoplatanus</i>	Sycamore	F
<i>Hedera helix</i>	Ivy	F
<i>Ilex aquifolium</i>	Holly	F
<i>Rosa sp.</i>	Rose species	F
<i>Sambucus nigra</i>	Elder	F
<i>Ulmus glabra</i>	Wych Elm	F
<i>Acer campestre</i>	Field Maple	O
<i>Crataegus monogyna</i>	Hawthorn	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Rosa canina</i> agg.	Dog Rose	O
<i>Rubus fruticosus</i> agg.	Bramble	O
<i>Prunus spinosa</i>	Blackthorn	R



Target Note HEDGE 65

For the purposes of analysis this hedgerow has been combined with Hedge 63 as the same feature.

<i>Crataegus monogyna</i>	Hawthorn	O
<i>Ilex aquifolium</i>	Holly	O
<i>Cameraria ohridella</i>	Horse Chestnut	R



Target Note HEDGE 66

<i>Ilex aquifolium</i>	Holly	A
<i>Corylus avellana</i>	Hazel	F
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Geum urbanum</i>	Wood avens	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Quercus robur</i>	English Oak	O
<i>Prunus spinosa</i>	Blackthorn	O
<i>Rosa canina</i> agg.	Dog Rose	O
<i>Rubus fruticosus</i> agg.	Bramble	O
<i>Sambucus nigra</i>	Elder	O
<i>Ulmus glabra</i>	Wych Elm	O
<i>Acer pseudoplatanus</i>	Sycamore	R
<i>Fraxinus excelsior</i>	Ash	R
<i>Malus sylvestris</i>	Crab Apple	R



Target Note HEDGE 67

<i>Prunus spinosa</i>	Blackthorn	A
<i>Acer pseudoplatanus</i>	Sycamore	F
<i>Corylus avellana</i>	Hazel	F
<i>Ilex aquifolium</i>	Holly	F
<i>Quercus robur</i>	English Oak	F
<i>Sambucus nigra</i>	Elder	F
<i>Acer campestre</i>	Field Maple	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Cornus sanguinea</i>	Dogwood	O
<i>Crataegus monogyna</i>	Hawthorn	O
<i>Fraxinus excelsior</i>	Ash	O
<i>Geum urbanum</i>	Wood avens	O
<i>Hedera helix</i>	Ivy	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Lamium galeobdolon</i>	Yellow archangel	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Oxalis acetosella</i>	Wood sorrel	O
<i>Rosa canina</i> agg.	Dog Rose	O
<i>Ulmus glabra</i>	Wych Elm	R



Target Note HEDGE 68

<i>Corylus avellana</i>	Hazel	A
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Prunus spinosa</i>	Blackthorn	F
<i>Acer campestre</i>	Field Maple	O
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Ilex aquifolium</i>	Holly	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Quercus robur</i>	English Oak	O
<i>Rosa canina</i> agg.	Dog Rose	O
<i>Rubus fruticosus</i> agg.	Bramble	O
<i>Sambucus nigra</i>	Elder	O
<i>Ulmus glabra</i>	Wych Elm	O



Target Note HEDGE 69

<i>Crataegus monogyna</i>	Hawthorn	A
<i>Corylus avellana</i>	Hazel	F
<i>Hedera helix</i>	Ivy	F
<i>Ilex aquifolium</i>	Holly	F
<i>Rosa canina</i> agg.	Dog Rose	F
<i>Acer campestre</i>	Field Maple	O
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Allium ursinum</i>	Ramsons	O
<i>Fraxinus excelsior</i>	Ash	O
<i>Geum urbanum</i>	Wood avens	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Primula vulgaris</i>	Primrose	O
<i>Sambucus nigra</i>	Elder	O
<i>Ulmus glabra</i>	Wych Elm	O



Target Note HEDGE 70

Boundary hedge between north side of bridlepath / green lane and arable field. It has a parallel hedge along

the green lane.

<i>Crataegus monogyna</i>	Hawthorn	D
<i>Acer campestre</i>	Field Maple	O
<i>Allium ursinum</i>	Ramsons	O
<i>Corylus avellana</i>	Hazel	O
<i>Galium aparine</i>	Cleavers	O
<i>Glechoma hederacea</i>	Ground-ivy	O
<i>Hedera helix</i>	Ivy	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Ilex aquifolium</i>	Holly	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Ulmus glabra</i>	Wych Elm	R

Target Note HEDGE 71

A boundary hedge between an arable field and an access road into the site. There is a parallel hedge on the other side of the road.

<i>Crataegus monogyna</i>	Hawthorn	D
<i>Acer campestre</i>	Field Maple	O
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Alliaria petiolata</i>	Garlic Mustard	O
<i>Anthriscus sylvestris</i>	Cow Parsley	O
<i>Corylus avellana</i>	Hazel	O
<i>Dryopteris filix-mas</i>	Male-fern	O
<i>Galium aparine</i>	Cleavers	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Ilex aquifolium</i>	Holly	O
<i>Lonicera periclymenum</i>	Honeysuckle	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Prunus spinosa</i>	Blackthorn	O
<i>Rosa canina</i> agg.	Dog Rose	O
<i>Rubus fruticosus</i> agg.	Bramble	O
<i>Sambucus nigra</i>	Elder	O
<i>Vicia sepium</i>	Bush Vetch	O



Target Note HEDGE 72

A boundary hedge between an arable field and the road.

<i>Crataegus monogyna</i>	Hawthorn	A
<i>Acer campestre</i>	Field Maple	O
<i>Acer pseudoplatanus</i>	Sycamore	O
<i>Calystegia</i> sp.	Bindweed species	O
<i>Corylus avellana</i>	Hazel	O
<i>Fraxinus excelsior</i>	Ash	O
<i>Galium aparine</i>	Cleavers	O
<i>Hedera helix</i>	Ivy	O

<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Ilex aquifolium</i>	Holly	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Prunus spinosa</i>	Blackthorn	O
<i>Quercus robur</i>	English Oak	O
<i>Rosa canina</i> agg.	Dog Rose	O
<i>Sambucus nigra</i>	Elder	O
<i>Stellaria holostea</i>	Greater Stitchwort	O
<i>Tamus communis</i>	Black Bryony	O
<i>Urtica dioica</i>	Nettle	O
<i>Vicia sepium</i>	Bush Vetch	O
<i>Ulmus glabra</i>	Wych Elm	R
<i>Ulmus procera</i>	English Elm	R



Hedgerow Ground-flora and Field Margins

Across the site the groundflora of the hedgerows and field margins contains a wide variety of species including some ancient woodland indicator species.

<i>Anthriscus sylvestris</i>	Cow Parsley	F
<i>Arum maculatum</i>	Lords-and-Ladies	F
<i>Cirsium arvense</i>	Creeping Thistle	F
<i>Ficaria verna</i>	Lesser Celandine	F
<i>Galium aparine</i>	Cleavers	F
<i>Geranium molle</i>	Dove's-foot Cranesbill	F
<i>Geum urbanum</i>	Wood Avens	F
<i>Holcus lanatus</i>	Yorkshire-fog	F
<i>Hyacinthoides non-scripta</i>	Bluebell	F
<i>Phleum pratense</i>	Timothy	F
<i>Potentilla reptans</i>	Creeping Cinquefoil	F
<i>Rubus fruticosus</i> agg.	Bramble	F
<i>Silene dioica</i>	Red Campion	F
<i>Stachys sylvatica</i>	Hedge Woundwort	F
<i>Torilis japonica</i>	Upright Hedge-parsley	F
<i>Tussilago farfara</i>	Colt's-foot	F
<i>Urtica dioica</i>	Nettle	F
<i>Veronica chamaedrys</i>	Germander Speedwell	F
<i>Alliaria petiolata</i>	Garlic Mustard	O
<i>Allium ursinum</i>	Ramsons	O
<i>Arctium minus</i>	Lesser Burdock	O
<i>Cardamine flexuosa</i>	Wavy Bitter-cress	O
<i>Centaurea nigra</i>	Knapweed	O
<i>Chamaenerion angustifolium</i>	Rosebay Willowherb	O
<i>Cirsium palustre</i>	Marsh Thistle	O
<i>Cirsium vulgare</i>	Spear Thistle	O
<i>Dactylis glomerata</i>	Cock's-foot	O

<i>Digitalis purpurea</i>	Foxglove	O
<i>Epilobium hirsutum</i>	Great Willowherb	O
<i>Equisetum arvense</i>	Field Horsetail	O
<i>Glechoma hederacea</i>	Ground-ivy	O
<i>Heracleum sphondylium</i>	Hogweed	O
<i>Hyacinthoides x massartiana</i>	Hybrid Bluebell	O
<i>Juncus effusus</i>	Soft Rush	O
<i>Mercurialis perennis</i>	Dog's Mercury	O
<i>Narcissus cvr.</i>	Narcissus cultivar	O
<i>Pentaglottis sempervirens</i>	Green Alkanet	O
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	O
<i>Primula vulgaris</i>	Primrose	O
<i>Ranunculus repens</i>	Creeping Buttercup	O
<i>Rumex obtusifolius</i>	Broad-leaved Dock	O
<i>Senecio vulgaris</i>	Groundsel	O
<i>Stellaria graminea</i>	Lesser Stitchwort	O
<i>Taraxacum officinale agg.</i>	Dandelion	O
<i>Vicia sativa</i>	Common Vetch	O
<i>Vicia sepium</i>	Bush Vetch	O
<i>Viola riviniana</i>	Wood-dog-violet	O
<i>Arabadopsis thaliana</i>	Thale Cress	R
<i>Bryonia dioica</i>	White Bryony	R
<i>Dipsacus fullonum</i>	Teasel	R
<i>Oenanthe crocata</i>	Hemlock Water-dropwort	R

Further Target Notes

Target Note RUTHINRDT001

2021 - Tall Ruderal along the banks of a flowing ditch (TN2).

2025 - Hedgerows mostly defunct either side with tall ruderal along the banks of a flowing ditch (TN2).

<i>Urtica dioica</i>	Nettle	A
<i>Cirsium arvense</i>	Creeping Thistle	F
<i>Epilobium hirsutum</i>	Great Willowherb	F
<i>Rubus fruticosus agg.</i>	Bramble	F
<i>Heracleum sphondylium</i>	Hogweed	O

Target Note RUTHINRDT002

Ditch flowing from a culvert under Berse Lane eastwards along field boundaries through the site.

<i>Epilobium hirsutum</i>	Great Willowherb	F
<i>Typha latifolia</i>	Greater Reedmace	F
<i>Phragmites australis</i>	Reed	O
<i>Salix sp</i>	Willow species	O



Target Note RUTHINRDT003

Treeline

<i>Prunus spinosa</i>	Blackthorn	A
<i>Acer pseudoplatanus</i>	Sycamore	F
<i>Corylus avellana</i>	Hazel	F
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Ilex aquifolium</i>	Holly	F
<i>Fraxinus excelsior</i>	Ash	O



Target Note RUTHINRDT004

Block of woodland / willow scrub containing a sprawling wetland area created by flowing water being dammed within the woodland and then culverted to rejoin the brook.

<i>Salix spp</i>	Willow species	D
<i>Crataegus monogyna</i>	Hawthorn	A
<i>Fraxinus excelsior</i>	Ash	A
<i>Acer campestre</i>	Field Maple	O
<i>Alnus glutinosa</i>	Alder	O
<i>Arctium minus</i>	Lesser Burdock	O
<i>Hedera helix</i>	Ivy	O
<i>Sambucus nigra</i>	Elder	O



Target Note RUTHINRDT005

This area has previously been recorded as a dry ephemeral pool of which at the time of survey was just a dry bare patch in the corner of the field. There are possible badger holes under the hedge in this area.

Target Note RUTHINRDT006

Tall ruderal with occasional scrub

<i>Cirsium arvense</i>	Creeping Thistle	A
<i>Epilobium montanum</i>	Broad-leaved Willowherb	A
<i>Phalaris arundinacea</i>	Reed Canary-grass	A
<i>Urtica dioica</i>	Nettle	A
<i>Calystegia sp.</i>	Bindweed species	F
<i>Epilobium hirsutum</i>	Great Willowherb	F
<i>Heracleum sphondylium</i>	Hogweed	F
<i>Rumex obtusifolius</i>	Broad-leaved Dock	F
<i>Arrhenatherum elatius</i>	False Oat-grass	O
<i>Dactylis glomerata</i>	Cock's-foot	O
<i>Equisetum palustre</i>	Marsh Horsetail	O
<i>Rubus fruticosus agg.</i>	Bramble	O
<i>Senecio jacobaea</i>	Ragwort	O



Target Note RUTHINRDT007

An area of hawthorn dominated scrub, particularly in the west of this area, that is now starting to succeed to a young woodland, with occasional large mature trees mostly located in the east of the area. There is one very old large oak tree in this area. Several Ancient Woodland indicator species are present within the ground flora here.

<i>Crataegus monogyna</i>	Hawthorn	D
<i>Circaea lutetiana</i>	Enchanter's Nightshade	A
<i>Urtica dioica</i>	Nettle	A
<i>Acer pseudoplatanus</i>	Sycamore	F
<i>Mercurialis perennis</i>	Dog's Mercury	F
<i>Rubus fruticosus agg.</i>	Bramble	F
<i>Anthriscus sylvestris</i>	Cow Parsley	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Asplenium scolopendrium</i>	Hart's-tongue	O
<i>Cirsium arvense</i>	Creeping Thistle	O
<i>Dryopteris affinis ssp. borreri</i>	Scaly Male-fern	O
<i>Fagus sylvatica</i>	Beech	O
<i>Festuca rubra</i>	Red Fescue	O
<i>Ficaria verna</i>	Lesser Celandine	O
<i>Galium aparine</i>	Cleavers	O
<i>Geranium robertianum</i>	Herb-Robert	O
<i>Geum urbanum</i>	Wood Avens	O
<i>Hedera helix</i>	Ivy	O
<i>Heracleum sphondylium</i>	Hogweed	O
<i>Hyacinthoides x massartiana</i>	Hybrid Bluebell	O

<i>Hedera helix</i>	Ivy	O
<i>Heracleum sphondylium</i>	Hogweed	O
<i>Ilex aquifolium</i>	Holly	O
<i>Quercus robur</i>	English Oak	O
<i>Ribes uva-crispa</i>	Gooseberry	O
<i>Rosa sp.</i>	Rose species	O
<i>Salix caprea</i>	Goat Willow	O
<i>Sambucus nigra</i>	Elder	O
<i>Stachys sylvatica</i>	Hedge Woundwort	O
<i>Ulmus glabra</i>	Wych Elm	O
<i>Urtica dioica</i>	Nettle	O
<i>Calystegia sp.</i>	Bindweed species	R





Target Note RUTHINRDT008

2021 - Strip of tall ruderal herb with scattered hawthorn saplings.

2025 – This area has now succeeded to hawthorn scrub with a couple of young trees, forming an extension to TN7.

<i>Crataegus monogyna</i>	Hawthorn	A
<i>Cirsium arvense</i>	Creeping Thistle	F
<i>Dactylis glomerata</i>	Cock's-foot	F
<i>Rubus fruticosus agg.</i>	Bramble	F
<i>Senecio jacobaea</i>	Ragwort	F
<i>Urtica dioica</i>	Nettle	F
<i>Achillea millefolium</i>	Yarrow	O
<i>Chamerion angustifolium</i>	Rosebay Willowherb	O
<i>Cirsium vulgare</i>	Spear Thistle	O
<i>Epilobium hirsutum</i>	Great Willowherb	O
<i>Holcus lanatus</i>	Yorkshire-fog	O
<i>Lathyrus pratensis</i>	Meadow Vetchling	O
<i>Phleum pratense</i>	Timothy	O
<i>Betula pendula</i>	Silver Birch	R
<i>Centaurea nigra</i>	Knapweed	R
<i>Fraxinus excelsior</i>	Ash	R
<i>Quercus Robur</i>	English Oak	R

Target Note RUTHINRDT009

A very long broad-leaved woodland stretching right along the eastern and southern boundaries of an elongated field in the southwest corner of the site, across Berse Lane from the rest of the site. It is a mixed age woodland with a good amount of dead wood and a varied understorey which includes several Ancient Woodland indicator species. It supports a variety of fungi species including King Alfred's Cakes, and several species of waxcaps and bracket fungi. There is an outgrown defunct hedge dominated by hawthorn along the border between the field and the woodland, with occasional bits of broken fencing. At the southern end of the woodland, beyond where the brook has cut through it, the woodland then slopes steeply down towards Bersham Road and the B5098. The woodland to the south of the field is younger and more scrubby than other areas with an abundance of hawthorn.

<i>Acer pseudoplatanus</i>	Sycamore	A
<i>Hedera helix</i>	Ivy	A
<i>Ilex aquifolium</i>	Holly	A
<i>Rubus fruticosus agg.</i>	Bramble	A
<i>Allium ursinum</i>	Ramsons	F
<i>Arum maculatum</i>	Lords-and-Ladies	F
<i>Circaea lutetiana</i>	Enchanter's Nightshade	F

<i>Crataegus monogyna</i>	Hawthorn	F
<i>Cytisus striatus</i>	Hairy Broom	F
<i>Dryopteris filix-mas</i>	Male-fern	F
<i>Dryopteris affinis</i> ssp. <i>borreri</i>	Scaly Male-fern	F
<i>Ficaria verna</i>	Lesser Celandine	F
<i>Fraxinus excelsior</i>	Ash	F
<i>Geum urbanum</i>	Wood Avens	F
<i>Geranium robertianum</i>	Herb-Robert	F
<i>Hyacinthoides non-scripta</i>	Bluebell	F
<i>Juncus effusus</i>	Soft Rush	F
<i>Mercurialis perennis</i>	Dog's Mercury	F
<i>Moss</i> sp.	Moss species	F
<i>Primula vulgaris</i>	Primrose	F
<i>Rosa</i> sp.	Rose species	F
<i>Silene dioica</i>	Red Campion	F
<i>Stachys sylvatica</i>	Hedge Woundwort	F
<i>Viola riviniana</i>	Wood-dog-violet	F
<i>Agrostis stolonifera</i>	Creeping Bent	O
<i>Alliaria petiolata</i>	Garlic Mustard	O
<i>Arrhenatherum elatius</i>	False Oat-grass	O
<i>Asplenium scolopendrium</i>	Hart's-tongue	O
<i>Asplenium scolopendrium</i>	Hart's-tongue	O
<i>Betula pendula</i>	Silver Birch	O
<i>Brachypodium sylvaticum</i>	False Brome	O
<i>Carex pendula</i>	Pendulous Sedge	O
<i>Chamaenerion angustifolium</i>	Rosebay Willowherb	O
<i>Cirsium arvense</i>	Creeping Thistle	O
<i>Corylus avellana</i>	Hazel	O
<i>Dactylis glomerata</i>	Cock's-foot	O
<i>Dryopteris dilatata</i>	Broad Buckler-fern	O
<i>Epilobium montanum</i>	Broad-leaved Willowherb	O
<i>Festuca rubra</i>	Red Fescue	O
<i>Galium aparine</i>	Cleavers	O
<i>Geranium pratense</i>	Meadow Cranesbill	O
<i>Geranium sylvaticum</i>	Wood Cranesbill	O
<i>Glechoma hederacea</i>	Ground-ivy	O
<i>Heracleum sphondylium</i>	Hogweed	O
<i>Holcus lanatus</i>	Yorkshire-fog	O
<i>Hyacinthoides</i> sp.	Bluebell species	O
<i>Lamium album</i>	White Dead-nettle	O
<i>Larix</i> sp.	Larch species	O
<i>Quercus robur</i>	English Oak	O
<i>Ribes sanguineum</i>	Flowering Currant	O
<i>Ribes uva-crispa</i>	Gooseberry	O
<i>Rosa</i> sp.	Rose species	O
<i>Rubus idaeus</i>	Raspberry	O
<i>Sambucus nigra</i>	Elder	O
<i>Sorbus aucuparia</i>	Rowan	O
<i>Sorbus aucuparia</i>	Mountain Ash	O
<i>Taraxacum officinale</i> agg.	Dandelion	O
<i>Ulmus glabra</i>	Wych Elm	O
<i>Ulmus</i> sp.	Elm species	O
<i>Urtica dioica</i>	Nettle	O
<i>Fallopia convolvulus</i>	Black Bindweed	R
<i>Prunus avium</i>	Wild Cherry	R
<i>Scrophularia auriculata</i>	Water Figwort	R
<i>Taxus baccata</i>	Yew	R



Target Note RUTHINRDT010

Rubble pile/ruins.



Target Note RUTHINRDT011

Stand of rhodedendron within the woodland.



Target Note RUTHINRDT012

Stone wall



Target Note RUTHINRDT013

Green lane/Bridle-path with outgrown hedgerow and lines of mature and mixed age trees and shrubs along both sides of a sunken path. Much of the hedgerows along the edges of the path are raised or on banks, thought to be a result of age and prolonged use of the path and the mature ages of the hedgerows and trees. There is a rich varied understorey which includes several Ancient Woodland indicator species along the full length of the path. Holes and fresh digging along the banks of the hedgerows are considered to likely be from rabbits.

<i>Circaea lutetiana</i>	Enchanter's Nightshade	A
<i>Dactylis glomerata</i>	Cock's-foot	A
<i>Hedera helix</i>	Ivy	A
<i>Allium ursinum</i>	Ramsons	F
<i>Anemone nemorosa</i>	Wood Anemone	F
<i>Arum maculatum</i>	Lords-and-Ladies	F
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Cytisus striatus</i>	Hairy Broom	F
<i>Ficaria verna</i>	Lesser Celandine	F
<i>Geum urbanum</i>	Wood Avens	F
<i>Hyacinthoides x massartiana</i>	Hybrid Bluebell	F
<i>Pteridium aquilinum</i>	Bracken	F
<i>Urtica dioica</i>	Nettle	F
<i>Veronica hederifolia hederifolia</i>	Ivy-leaved Speedwell	F
<i>Aegopodium podagraria</i>	Ground-elder	O

<i>Alliaria petiolata</i>	Garlic Mustard	O
<i>Anthriscus sylvestris</i>	Cow Parsley	O
<i>Arctium minus</i>	Lesser Burdock	O
<i>Digitalis purpurea</i>	Foxglove	O
<i>Dryopteris filix-mas</i>	Male-fern	O
<i>Geranium robertianum</i>	Herb-Robert	O
<i>Glechoma hederacea</i>	Ground-ivy	O
<i>Hyacinthoides non-scripta</i>	Bluebell	O
<i>Ilex aquifolium</i>	Holly	O
<i>Lamiastrum galeobdolon</i>	Yellow Archangel	O
<i>Lamiastrum galeobdolon argentatum</i>	Variegated Yellow Archangel	O
<i>Lamium purpureum</i>	Red Deadnettle	O
<i>Lycopus europaeus</i>	Gypsywort	O
<i>Oxalis acetosella</i>	Wood Sorrel	O
<i>Plantago major</i>	Greater Plantain	O
<i>Prunella vulgaris</i>	Selfheal	O
<i>Ranunculus repens</i>	Creeping Buttercup	O
<i>Rosa sp.</i>	Rose species	O
<i>Sambucus nigra</i>	Elder	O
<i>Silene dioica</i>	Red Campion	O
<i>Stellaria holostea</i>	Greater Stitchwort	O
<i>Tussilago farfara</i>	Colt's-foot	O
<i>Cirsium palustre</i>	Marsh Thistle	R
<i>Cirsium vulgare</i>	Spear Thistle	R
<i>Dryopteris affinis ssp. borreri</i>	Scaly Male-fern	R
<i>Heracleum sphondylium</i>	Hogweed	R
<i>Ribes uva-crispa</i>	Gooseberry	R
<i>Vicia sepium</i>	Bush Vetch	R



Target Note RUTHINRDT014

Green lane

<i>Holcus lanatus</i>	Yorkshire-fog	A
<i>Ranunculus repens</i>	Creeping Buttercup	A
<i>Pteridium aquilinum</i>	Bracken	F
<i>Rumex obtusifolius</i>	Broad-leaved Dock	F
<i>Urtica dioica</i>	Nettle	F
<i>Cirsium arvense</i>	Creeping Thistle	O
<i>Digitalis purpurea</i>	Foxglove	O
<i>Dryopteris filix-mas</i>	Male-fern	O
<i>Geum urbanum</i>	Wood Avens	O
<i>Heracleum sphondylium</i>	Hogweed	O
<i>Sambucus nigra</i>	Elder	O
<i>Stellaria media</i>	Chickweed	O
<i>Vicia sp.</i>	Vetch species	O
<i>Galium aparine</i>	Cleavers	R



Target Note RUTHINRDT015

Small patch of broad leaved woodland

<i>Ilex aquifolium</i>	Holly	A
<i>Acer pseudoplatanus</i>	Sycamore	F
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Sambucus nigra</i>	Elder	F
<i>Corylus avellana</i>	Hazel	O

Target Note RUTHINRDT016

Lane to converted cottages. One large tree along this lane has a cavity in the base that is being used by badgers as a "nest" and / or bolt hole, as observed by the owners of the cottages.

<i>Urtica dioica</i>	Nettle	A
<i>Aegopodium podagraria</i>	Ground-elder	F
<i>Cytisus striatus</i>	Hairy Broom	F
<i>Dactylis glomerata</i>	Cock's-foot	F
<i>Dryopteris filix-mas</i>	Male-fern	F
<i>Geum urbanum</i>	Wood Avens	F
<i>Glechoma hederacea</i>	Ground-ivy	F
<i>Mercurialis perennis</i>	Dog's Mercury	F
<i>Pteridium aquilinum</i>	Bracken	F
<i>Arrhenatherum elatius</i>	False Oat-grass	O
<i>Geranium robertianum</i>	Herb-Robert	O
<i>Hedera helix</i>	Ivy	O
<i>Heracleum sphondylium</i>	Hogweed	O
<i>Rosa sp.</i>	Rose species	O
<i>Rubus fruticosus agg.</i>	Bramble	O
<i>Stachys sylvatica</i>	Hedge Woundwort	O



Target Note RUTHINRDT017

Potential badger sett.



Target Note RUTHINRDT018

2021 - Arable land present in the majority of the fields along the north, east and southern boundaries of the site. The crops were too young to identify at the time of surveys.

2025 – Four (those adjacent to Bersham Road) of the five fields previously used as arable land are now improved grassland with two being grazed by sheep at the time of survey.



Target Note RUTHINRDT019

2021 - Improved grassland.

2025 – All fields labelled TN19 are now arable crops.

<i>Lolium perenne</i>	Ryegrass	D
<i>Cardamine flexuosa</i>	Wavy Bitter-cress	O
<i>Dactylis glomerata</i>	Cock's-foot	O
<i>Ranunculus repens</i>	Creeping Buttercup	O
<i>Rumex crispus</i>	Curled Dock	O
<i>Rumex obtusifolius</i>	Broad-leaved Dock	O
<i>Stellaria media</i>	Chickweed	O
<i>Taraxacum officinale</i> agg.	Dandelion	O
<i>Trifolium repens</i>	White Clover	O
<i>Veronica chamaedrys</i>	Germander Speedwell	O
<i>Vicia sepium</i>	Bush Vetch	O
<i>Festuca rubra</i>	Red Fescue	R
<i>Heracleum sphondylium</i>	Hogweed	R
<i>Plantago lanceolata</i>	Ribwort Plantain	R
<i>Potentilla reptans</i>	Creeping Cinquefoil	R
<i>Rumex acetosa</i>	Common Sorrel	R



Target Note RUTHINRDT020

Areas and fields of semi-improved grassland in the north-west and centre of the site contained the same or similar compositions of species, though the SI fields in the northwest of the site are marginally more species diverse.

<i>Lolium perenne</i>	Ryegrass	D
<i>Trifolium repens</i>	White Clover	A
<i>Cardamine pratensis</i>	Cuckooflower	F
<i>Cirsium arvense</i>	Creeping Thistle	F
<i>Dactylis glomerata</i>	Cock's-foot	F
<i>Holcus lanatus</i>	Yorkshire-fog	F
<i>Luzula campestris</i>	Field Woodrush	F
<i>Ranunculus repens</i>	Creeping Buttercup	F
<i>Rumex obtusifolius</i>	Broad-leaved Dock	F
<i>Taraxacum officinale</i> agg.	Dandelion	F
<i>Achillea millefolium</i>	Yarrow	O
<i>Allium ursinum</i>	Ramsons	O
<i>Anthriscus sylvestris</i>	Cow Parsley	O
<i>Cardamine flexuosa</i>	Wavy Bitter-cress	O
<i>Chamaenerion angustifolium</i>	Rosebay Willowherb	O
<i>Cirsium arvense</i>	Creeping Thistle	O
<i>Cirsium vulgare</i>	Spear Thistle	O
<i>Festuca rubra</i>	Red Fescue	O
<i>Ficaria verna</i>	Lesser Celandine	O
<i>Juncus effusus</i>	Soft Rush	O
<i>Lamium album</i>	White Dead-nettle	O
<i>Lamium purpureum</i>	Red Deadnettle	O
Moss sp.	Moss species	O
<i>Phleum pratense</i>	Timothy	O
<i>Plantago major</i>	Greater Plantain	O
<i>Poa annua</i>	Annual Meadow-grass	O
<i>Poa pratensis</i>	Smooth Meadow-grass	O
<i>Ranunculus acris</i>	Meadow Buttercup	O
<i>Scorzoneroide autumnalis</i>	Autumn Hawkbit	O
<i>Sisymbrium officinale</i>	Hedge Mustard	O
<i>Stellaria media</i>	Chickweed	O
<i>Torilis japonica</i>	Upright Hedge-parsley	O
<i>Trifolium pratense</i>	Red Clover	O
<i>Trifolium repens</i>	White Clover	O
<i>Urtica dioica</i>	Nettle	O
<i>Veronica agrestis</i>	Field Speedwell	O
<i>Veronica hederifolia hederifolia</i>	Ivy-leaved Speedwell	O
<i>Acer pseudoplatanus</i>	Sycamore	R
<i>Arum maculatum</i>	Lords-and-Ladies	R
<i>Cirsium palustre</i>	Marsh Thistle	R
<i>Galium aparine</i>	Cleavers	R
<i>Matricaria chamomilla</i>	Scented Mayweed	R
<i>Persicaria maculosa</i>	Redshank	R
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	R
<i>Senecio vulgaris</i>	Groundsel	R
<i>Silene dioica</i>	Red Campion	R
<i>Sonchus asper</i>	Prickly Sow-thistle	R
<i>Veronica chamaedrys</i>	Germander Speedwell	R



Target Note RUTHINRDT021

Pond, very poor water quality in the centre of a field, no submergent vegetation and regularly used by waterfowl. A partially filled ditch runs north from the pond through the field.





Target Note RUTHINRDT022

A piece of derelict land between a large barn to the south and Berse Lane to the north. It contains lots of spoil and rubble heaps, storage of farm equipment and materials, and much of the area has become vegetated with a species rich composition including many pioneer species.

<i>Bellis perennis</i>	Daisy	F
<i>Chamaenerion angustifolium</i>	Rosebay Willowherb	F
<i>Cirsium arvense</i>	Creeping Thistle	F
<i>Crataegus monogyna</i>	Hawthorn	F
<i>Festuca rubra</i>	Red Fescue	F
<i>Geranium robertianum</i>	Herb-Robert	F
<i>Glechoma hederacea</i>	Ground-ivy	F
<i>Rumex obtusifolius</i>	Broad-leaved Dock	F
<i>Urtica dioica</i>	Nettle	F
<i>Achillea millefolium</i>	Yarrow	O
<i>Alliaria petiolata</i>	Garlic Mustard	O
<i>Anthriscus sylvestris</i>	Cow Parsley	O
<i>Arum maculatum</i>	Lords-and-Ladies	O
<i>Cardamine flexuosa</i>	Wavy Bitter-cress	O
<i>Carex pendula</i>	Pendulous Sedge	O
<i>Epilobium hirsutum</i>	Great Willowherb	O
<i>Ficaria verna</i>	Lesser Celandine	O
<i>Galium aparine</i>	Cleavers	O

<i>Hedera helix</i>	Ivy	O
<i>Heracleum sphondylium</i>	Hogweed	O
<i>Holcus lanatus</i>	Yorkshire-fog	O
<i>Jacobaea vulgaris</i>	Common Ragwort	O
<i>Lamium album</i>	White Dead-nettle	O
<i>Lamium purpureum</i>	Red Deadnettle	O
<i>Myosotis sp.</i>	Forget-me-not species	O
<i>Poa annua</i>	Annual Meadow-grass	O
<i>Ranunculus repens</i>	Creeping Buttercup	O
<i>Rubus fruticosus agg.</i>	Bramble	O
<i>Salix species</i>	Willow species	O
<i>Stachys sylvatica</i>	Hedge Woundwort	O
<i>Trifolium repens</i>	White Clover	O
<i>Tussilago farfara</i>	Colt's-foot	O
<i>Veronica chamaedrys</i>	Germander Speedwell	O
<i>Vicia sativa</i>	Common Vetch	O
<i>Brassica napus</i>	Rape	R





Target Note RUTHINRDT023

Small brick building / animal field shelter with an open front and a flat ivy-covered roof. There is no bat roosting potential within this building. It has a concrete slab floor, some of which has fallen through.



Target Note RUTHINRDT024

A brook running west to east through a woodland (TN9) and emerges from a culvert near to the adjacent field. It is a shallow brook with a base substrate made up of mud, silt and stone. The surrounding woodland has a similar species composition to that of TN9 with a few additional species along the banks of the brook such as pendulous sedge and water figwort. Additional species and those occurring more frequently along the banks of the brook than in the rest of TN9 include:

Carex pendula
Ficaria verna
Geum urbanum
Juncus effusus
Ranunculus repens
Urtica dioica
Scrophularia auriculata

Pendulous Sedge
Lesser Celandine
Wood Aven
Soft Rush
Creeping Buttercup
Nettle
Water Figwort

F
F
F
F
F
F
O



Target Note RUTHINRDT025

Shallow ditch running across the field which has the culverted brook of TN24 running underneath, though some of the concrete covering has broken and fallen in at several locations across the field. In a couple of

areas the concrete edging either side the furrow is visible and open.

<i>Holcus lanatus</i>	Yorkshire-fog	F
<i>Lolium perenne</i>	Perennial Ryegrass	F
<i>Potentilla reptans</i>	Creeping Cinquefoil	F
<i>Ranunculus repens</i>	Creeping Buttercup	F
<i>Anthriscus sylvestris</i>	Cow Parsley	O
<i>Cirsium vulgare</i>	Spear Thistle	O
<i>Festuca rubra</i>	Red Fescue	O
<i>Geranium molle</i>	Dove's-foot Cranesbill	O
<i>Heracleum sphondylium</i>	Hogweed	O
<i>Jacobaea vulgaris</i>	Common Ragwort	O
<i>Rumex crispus</i>	Curled Dock	O
<i>Rumex obtusifolius</i>	Broad-leaved Dock	O
<i>Taraxacum officinale agg.</i>	Dandelion	O
<i>Urtica dioica</i>	Nettle	O
<i>Scrophularia auriculata</i>	Water Figwort	R



Target Note RUTHINRDT026

A depression in the northeast corner of the field with a variety of scattered scrub and trees including holly, hawthorn and bramble.



Target Note RUTHINRDT027

Small corrugated metal field shelter with negligible potential for roosting bats.



Target Note RUTHINRDT028

A large mast within the field and it's associated building and stabilising anchor points. The brick building has a flat roof and is of negligible potential for roosting bats. There is a hardcore track through the field to these structures.





Target Note RUTHINRDT029

A line of cottages combined into one with associated outbuildings and a large barbeque hut at the eastern end of the garden, though this property has been cut out of the red-line boundary of the site. They all look recently refurbished with no obvious features suitable for bats.



Target Note RUTHINRDT030

Long thin strip of semi-natural broad-leaved woodland along the field edge with a public footpath running through it. It has a hawthorn hedge (H63) along its western edge at the field boundary.

Acer pseudoplatanus
Corylus avellana
Crataegus monogyna
Prunus spinosa
Rosa sp.
Rubus fruticosus agg.
Sambucus nigra
Ilex aquifolium

Sycamore
Hazel
Hawthorn
Blackthorn
Rose species
Bramble
Elder
Holly

A
A
A
F
F
F
F
O



Target Note RUTHINRDT031

A main badger sett situated in a fenced off area of dense bramble scrub between the eastern end of the garden and field to the south. An accurate count of sett entrances couldn't be made due to the dense continuous bramble scrub. A couple of entrance holes can be found in the adjacent fields, and there are well used tracks on all sides of the sett.



Target Note RUTHINRDT032

A brook flowing northwards with a hedge along its raised south eastern bank and tall ruderal vegetation along its raised north western bank. The brook has a stone and silt base and contains large numbers of a tiny unidentified spire shelled freshwater snail in some areas.

