

A417 Missing Link
TR010056

6.4 Environmental Statement
Appendix 8.1 Phase 1 Habitat Survey
Target Notes

Planning Act 2008

APFP Regulation 5(2)(a)
Infrastructure Planning (Applications: Prescribed Forms and
Procedure) Regulations 2009

Volume 6

May 2021

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning
(Applications: Prescribed Forms
and Procedure) Regulations 2009**

A417 Missing Link

Development Consent Order 202[x]

**6.4 Environmental Statement
Appendix 8.1 Phase 1 Habitat Survey Target Notes**

Regulation Number:	5(2)(a)
Planning Inspectorate Scheme Reference	TR010056
Application Document Reference	6.4
Author:	A417 Missing Link

Version	Date	Status of Version
C01	May 2021	Application Submission

Table of Contents

	Pages
1 Phase 1 habitat survey	i
1.1 Target notes	i

1 Phase 1 habitat survey

1.1 Target notes

- 1.1.1 During the Phase 1 Habitat Survey between April and June 2017, features of potential significance regarding habitat and protected species were recorded as Target Notes as shown in the table below. Target notes are also shown on the Phase 1 Habitat Map ES figure 8.3 (Document Reference 6.3).

Target Notes

Target note number:	Notes
1.	<p>Calcareous grassland with scattered bramble scrub and scattered broadleaved trees; Lime <i>Tilia</i> species, Wild Cherry <i>Prunus Avuim</i>, Ash <i>Fraximus excelsior</i>, Hawthorn <i>Crataegus Monogyna</i>, Oak <i>Quercus robur</i>.</p> <p>Verge along the A417 – raised bank with semi-improved calcareous grassland Cowslip <i>Primula Veris</i>, Rock rose <i>Helianthemum nummularium</i>, Salad burnet <i>Sanguisorba minor</i>, Carnation Sedge <i>carex panicea</i>, Wooley thistle <i>cirsium eriophorum</i>, Common knapweed <i>Centtaurea nigra</i>, Common Spotted Orchid <i>Dactylorhiza fuchsia</i>.</p> <p>Excellent reptile habitat. Potential for notable botanical species.</p>
2.	<p>Plantation Broadleaved Woodland – semi mature planted trees and shrubs including Ash <i>Fraximus excelsior</i>, Hawthorn <i>Crataegus Monogyna</i>, Hazel <i>Corylus avellana</i> and Wild Cherry <i>Prunus Avuim</i>.</p> <p>Moderate dormouse potential. Moderate bat foraging habitat.</p>
3.	<p>Broadleaved woodland with mature Ash <i>Fraximus excelsior</i>, Birch <i>Betula pendula</i> and Grey Willow <i>Salix cinerea</i>, with an under story of Hawthorn <i>Crataegus Monogyna</i>, Hazel <i>Corylus avellana</i> and Sycamore <i>Acer pseudoplatanus</i>.</p> <p>Moderate dormouse potential and moderate bat foraging potential.</p>
4.	<p>Patches of Semi-improved Calcareous grassland along path with common knapweed, common spotted Orchid <i>Dactylorhiza fuchsia</i>, Perforate St Johns wort <i>Hypericum perforatum</i>, Cowslip <i>Primula Veris</i> and false morel <i>Gyromitre esculenta</i>.</p> <p>High potential reptile habitat.</p>
5.	<p>Semi Improved / rough Semi-improved calcareous grassland in field next to the Air Balloon pub including: Upright brome <i>Cytisus scoparius</i>, Cowslip <i>Primula Veris</i>, and Common knapweed <i>Centtaurea nigra</i>. The majority of the field is dominated by rough grasses, but areas are more diverse.</p> <p>Evidence of anthills found in the field suggests that the field is unmanaged.</p> <p>Small reed bed located in the northern end of the field with common reed <i>Phragmites australis</i> and common nettle <i>Urtica dioica</i>.</p> <p>The area has good reptile potential, along with good barn owl foraging habitat.</p>
6.	<p>Air Balloon Pub</p> <p>The building consists of Cotswold stone wall with pitched roof with clay tiles. There are missing tiles on the roof and gaps in the mortar.</p> <p>Building has high bat potential.</p>
7.	<p>Mature Broadleaved woodland – secondary woodland</p> <p>Canopy with the following species present: Sycamore <i>Acer pseudoplatans</i>, Ash <i>Fraximus excelsior</i>, hornbeam <i>Carpinu betulus</i> and European larch <i>Larix europaea</i></p> <p>Understorey of Hawthorn <i>Crataegus Monogyna</i>, Elder <i>Sambucus nigra</i></p> <p>Field layer – wild garlic <i>Allium oleraceum</i>, Lords and ladies <i>Arum maculatum</i>, lesser Celandine <i>Ranunculus pencillatus</i>, moschatel <i>Adoxa moschatellina</i>, harts tongue</p>

	<p>fern <i>Asplenium scolopendrium</i>, male fern <i>Dryopteris filix-mas</i>, and dogs mercury <i>Mercurialis perennis</i>.</p> <p>Within woodland is a small glade of semi-improved calcareous grassland with common spotted orchid <i>Dactylorhiza fuchsia</i>, brome <i>Bromus hordeaceus</i>, salad burnet <i>Sanguisorba minor</i> at the base of an exposed limestone cliff face.</p> <p>Woodland includes trees with high bat roosting potential and provides high potential bat foraging habitat. Woodland has moderate dormouse potential.</p>
8.	<p>Unimproved Calcareous Grassland with upright brome <i>Bromopsis erecta</i>, common rock rose <i>Helianthemum nummularium</i>, sage <i>Salvia officinalis</i>, salad burnet <i>Sanguisorba minor</i>, carnation sedge <i>Carex Panicea</i>, common dog violet <i>Viola riviniana</i> and meadow vetchling <i>Lathyrus pratensis</i>.</p> <p>Scattered scrub and shrubs include: Hawthorn <i>Crataegus Monogyna</i>, holly <i>Ilex</i>, and honeysuckle <i>Lonicera periclymenum</i>. Frequent anthills indicate lack of improvement. Excellent reptile habitat. Potential to support notable invertebrates and notable botanical species.</p>
9.	<p>Two mature English Oaks <i>Quercus robur</i> with high bat potential with multiple splits, rot holes and branch drops.</p>
10.	<p>Semi-improved species poor grassland – locally diverse and species rich.</p> <p>Species of grass found here; sweet vernal <i>Anthoxanthum odoratum</i>, red fescue <i>festuca rubra</i>, Yorkshire fog <i>Holcus lanatus</i>, and cocks foot <i>Dactylis glomerate</i>.</p> <p>Other species of the plants include field wood rush <i>Luzula campestris</i>, common sorrel <i>Rumex acetosa</i>, cuckoo flower <i>Cardamine pratensis</i>, lesser celandine <i>Ficaria verna</i>, meadow vetchling <i>Lathyrus pratensis</i>, ribwort plantain <i>Plantago lanceolate</i>, selfheal <i>Prunella</i>, Barren strawberry <i>Potentilla sterilis</i>, Marsh thistle <i>Cirsium palustre</i>, and cowslip <i>Primula Veris</i>.</p>
11.	<p>██████████ evidence suggests that it is well used with fresh spoil and entrance free of debris.</p>
12.	<p>Semi-improved calcareous grassland at the base of the steep slope up to the view point. The grassland is less diverse but still features interesting grasses with; upright brome, cowslip <i>Primula Veris</i>, common Knappweed <i>Centtaurea nigra</i>, carnation sedge <i>Carex glauca</i>, hawk bit <i>Leontodon</i> species, common spotted orchid <i>Dactylorhiza fuchsia</i>, salad burnett <i>Sanguisorba minor</i>, meadow vetch ling <i>Lathyrus pratensis</i> and cocks foot <i>Dactylis glomerata</i>, Yorkshire fog <i>Holcus lanatus</i>, and dandelion <i>Taraxacum</i>. There is also scattered bramble and hawthorn scrub present, with ant hills and solitary bees.</p> <p>Good terrestrial invertebrate potential. Moderate reptile potential.</p>
13.	<p>Unimproved Calcareous Grassland on steep slope within SSSI – see SSSI designation for detailed species list.</p>
14.	<p>Sheep grazed on Semi improved species poor / improved grassland. Shallow soils with exposed limestone rocks. Good potential for calcareous grassland creation.</p>
15.	<p>Broadleaved woodland with occasional planted coniferous trees. Canopy features Ash <i>Fraximus excelsior</i>, Beech <i>Fagus sylvatica</i>, Western red cedar <i>Thuja plicata</i>, Sycamore <i>Acer pseudoplatanus</i>, and silver birch <i>Betula pendula</i>. Sparse understorey of hazel <i>Corylus avellana</i>, Elder <i>Sambucus</i>, Hawthorn <i>Crataegus Monogyna</i>, Blackthorn <i>Prunus spinosa</i> and Yew <i>Taxus baccata</i>.</p>

	<p>e field layer feature species including dogs mercury <i>Mercurialis perennis</i>, Spurge laurel <i>Daphne laureola</i>, Woodruff <i>Galium odoratum</i>, Sanicle <i>Sanicula europaea</i>. There are steep slopes along the edge of the featuring scrub with Hawthorn <i>Crataegus Monogyna</i> and Ash <i>Fraxinus excelsior</i>. Some of the trees have high potential roosting features. The scrub margins offer good habitat for potential dormice.</p>
16.	<p>Broad-leaved Woodland – secondary woodland with a canopy of semi mature English Oak <i>Quercus robur</i> and Ash <i>Fraxinus excelsior</i>. The understorey consists of Hawthorn <i>Crataegus Monogyna</i> and Bramble <i>Rubus fruticosus</i> agg. with a poor understorey including dog's mercury <i>Mercurialis perennis</i>.</p>
17.	<p>Semi improved species-poor grassland and occasional scrub patches containing Hawthorn <i>Crataegus Monogyna</i> and bramble <i>Rubus</i>, with a stone wall to the east of track. Reptile potential here is moderate. Grassland species include cowslip <i>Primula Veris</i> common knapweed <i>Centaurea nigra</i>, creeping cinquefoil <i>Potentilla reptans</i>, sedge <i>Carex</i> species, tufted hair grass <i>Deschampsia cespitosa</i> and crosswort <i>Cruciata laevipes</i>. To the west of the track in the corner of the grassland there is an area of dense Blackthorn <i>Prunus spinosa</i>.</p>
18.	<p>Hedge banks along the access track to the kennels features the following species ; Brambles <i>Rubus</i>, Dog rose <i>Rosa canina</i>, Hawthorn <i>Crataegus Monogyna</i> and Ash <i>Fraxinus excelsior</i>. The rough semi improved poor grassland with scrub and trees with high suitability for reptiles.</p>
19.	<p>Dense scrub with semi mature native trees, featuring; Bramble <i>Rubus fruticosus</i> agg. Hawthorn <i>Crataegus Monogyna</i>, Elder <i>Sambucus nigra</i>, Travellers joy <i>Clematis vitalba</i>, Ash <i>Fraxinus excelsior</i>, Sycamore <i>Acer pseudoplatanus</i>. Moderate Dormouse potential.</p>
20.	<p>Set- aside in between managed arable land and hedgerow. Rough ground with ruderal and arable weeds. There is potential for good Barn owl foraging, and moderate reptile potential.</p>
21.	<p>Plantation mixed woodland, featuring the following species; Ash <i>Fraxinus excelsior</i>, Beech <i>Fagus</i>, Guelder Rose <i>Viburnum opulus</i>, Hawthorn <i>Crataegus Monogyna</i>, Blackthorn <i>Prunus spinose</i>, Lime <i>Tilia</i>, Wild Privet <i>Ligustrum vulgare</i>, Dogwood <i>Cornus</i>, Spruce <i>Picea</i>, Field Maple <i>Acer campestre</i>, Cedar <i>Cedrus</i>, Hazel <i>Corylus avellana</i> and Cherry <i>Prunus Avuim</i> . High potential for dormouse and reptiles.</p>
22.	<p>Semi Improved species poor grassland with a tussocky structure. Good Barn owl foraging along with high reptile potential. Species found in the grassland include; Yorkshire fog <i>Holcus lanatus</i>, false oat grass <i>Arrhenatherum elatius</i>, Creeping bent <i>Agrostis stolonifera</i>, common vetch <i>Vicia sativa</i>, and crosswort <i>Cruciata laevipes</i>.</p>
23.	<p>Ash featuring numerous rot and wood pecker holes, high bat roost potential.</p>
24.	<p>Semi improved calcareous grassland featuring: upright Brome <i>Bromus erectus</i>, Burnett Saxiflage <i>Pimpinella saxifrage</i>, Crosswort <i>Cruciata laevipes</i>, Greater Knapweed <i>Centaurea scabiosa</i>, yellow wort <i>Blackstonia perfoliate</i>.</p>

	The south facing slope has good reptile potential. Dry stone wall at the bottom of the slope, featuring areas of Hawthorn <i>Crataegus Monogyna</i> , Bramble <i>Rubus</i> and travellers Joy <i>Clematis vitalba</i> .
25.	Pond - dry and in the process of scrubbing over.
26.	Native Broadleaved woodland featuring the following species; Mature Beech <i>Fagus</i> , Hawthorn <i>Crataegus Monogyna</i> , Dog rose <i>Rosa canina</i> and a Laurel hedgerow to one edge. Potential for bat roosting features in trees – not visible from footpath.
27.	Tall ruderal in arable set aside, dominated by nettle, which is bounded by a dry stone wall on one side. High reptile potential.
28.	Avenue of mature Lime trees adjacent to the road. A number of the trees have rot holes and other features with moderate to high bat potential.
29.	Spring – dry no signs of standing water.
30.	Marshy grassland featuring the following species: cuckoo flower <i>Cardamine pratensis</i> , soft rush <i>Juncus effusus</i> , common spotted orchid <i>Dactylor fuchsii</i> , Willow herb <i>Epilobium</i> , Marsh thistle <i>Cirsium palustre</i> , and Lesser celandine <i>Ficaria verna</i> .
31.	The buildings here are made out of old Cotswold stone with roosting potential for both bat and barn owls.
32.	Poor Semi improved grassland and scrub offering good reptile habitat
33.	Semi improved cancerous grassland offers good reptile habitat with the following species present; upright brome <i>Bromus</i> , Cowslip <i>Primula veris</i> , knapweed <i>Centaurea nigra</i> , Ladies Bedstraw <i>Galium verum</i> and Forget-me-not <i>Myosotis arvensis</i>
34.	Marshy grassland featuring hard rush <i>Juncus inflexus</i> , soft rush <i>Juncus effuses</i> , and bulrush <i>Typha latifolia</i> .
35.	Broad leaved Woodland featuring; Hawthorn <i>Crataegus Monogyna</i> , Blackthorn <i>Prunus spinose</i> , Hazel <i>Corylus avellana</i> , Bramble <i>Rubus fruticosus</i> , Elder <i>Sambucus</i> , Lesser celandine <i>Ficaria verna</i> , Bluebells <i>Hyacinthoids non -scripta</i> , Dogs mercury <i>Mercurialis pernnis</i> , Lords and Ladies <i>Arum maculatum</i> , Dog rose <i>Rosa canina</i> , Guelder Rose <i>Viburnum opulus</i> . High dormouse potential. High bat roosting potential. High foraging potential.
36.	Breeding Skylark.
37.	Broadleaved woodland containing; Beech <i>Fagus sylvatica</i> , wild garlic <i>Allium ursinum</i> , Bluebell <i>Hyacinthoids non -scripta</i> , Hawthorn <i>Crataegus Monogyna</i> , Elder <i>Sambucus</i> , Rowan <i>Sorbus aucuparia</i> . Some of the trees in the wood have high bat potential. Green wood pecker seen in the woodland during the survey.
38.	Broadleaved woodland - Beech <i>Fagus sylvatica</i> , Hawthorn <i>Crataegus Monogyna</i> , Ash <i>Fraximus excelsior</i> , Oak Bluebell <i>Hyacinthoids non -scripta</i> , Dogs mercury <i>Mercurialis pernnis</i> , Lords and Ladies <i>Arum maculatum</i> , Enchanters nightshade, Dog violet <i>Violia riviniana</i> , Wayfaring <i>Viburnum lantana</i> , Horse Chesnutt <i>Aesculus hippocastanum</i> and Hornbeam <i>Carpinus betulus</i> . There is also evidence of a pond that is now dried up.
39.	Avenue of mature trees along the road some of them have bat roosting potential. High bat commuting potential, Beech <i>Fagus sylvatica</i> , Elm <i>Ulmus</i> species and Sycamore <i>Acer pseudoplatanus</i> . Rough semi improved grass verge and dry stone wall provides good reptile and invertebrate habitat.

	Small plantation broadleaved woodland including; Ash <i>Fraxinus excelsior</i> , Lime <i>Tilia</i> , Sycamore <i>Acer pseudoplatanus</i> Cow parsley <i>Anthriscus sylvestris</i> , Nettle <i>Urtica dioica</i> , Elder <i>Sambucus nigra</i> , and Blackthorn <i>Prunus spinosa</i> .
41.	Hedgerow featuring Blackthorn <i>Prunus spinosa</i> , Hawthorn <i>Crataegus Monogyna</i> , Ash <i>Fraxinus excelsior</i> , Bramble <i>Rubus</i> , Holly <i>Ilex aquifolium</i> , Field Maple, Apple <i>Malus domestica</i> , Beech <i>Fagus sylvatica</i> , Elder <i>Sambucus nigra</i> , Hazel <i>Corylus avellana</i> . This is a potentially important hedgerow as it is displaying evidence of a dry-stone wall. There is evidence of heaving grazing from sheep.
42.	Old veteran Beech <i>Fagus sylvatica</i> , with large cavities and dense Ivy <i>Hedera helix</i> 1.5 DBH with bat potential.
43.	Rough Grassland along the field margin that has reptile potential. Species featured ; Red canary grass , Cocks foot <i>Dactylis glomerate</i> , Red fescue <i>Festuca rubra</i> , Barren brome <i>Anisantha sterilis</i> , Common Vetch , Creeping thistle <i>Cirsium spp</i> , cowslip <i>Primula veris</i> , dock <i>Rumex obtusifolius</i> , nettle <i>Urtica dioica</i>
44.	Mixed Plantation containing species including: Alder <i>Alnus glutinosa</i> , Lime <i>Tilia sp.</i> Field Maple, Apple <i>Malus domestica</i> , Privet <i>Ligustrum ovalifolium</i> , Hawthorn <i>Crataegus Monogyna</i> , Oak <i>Quercus robur</i> , Sycamore <i>Acer pseudoplatanus</i> , Spruce Norway <i>Picea abies</i> , Ash <i>Fraxinus excelsior</i>
45.	A dry-stone wall with scrub and rough grassland round the verge that is suitable habitat for reptiles. With species present including; bramble <i>Rubus</i> , nettle <i>Urtica dioica</i> , Red fescue <i>Festuca rubra</i> , Cocks foot <i>Dactylis glomerate</i> , creeping buttercup <i>Ranunculus repens</i> , dandelion <i>Taraxacum spp</i> , hedge woodwort , creeping thistle , hogweed, cow parsley , tufted vetch <i>Vicia cracca</i> , cross wort , knapweed <i>Centaurea nigra</i> , sedge, meadow vetchling <i>Lathyrus pratensis</i> , cinquefoil , tufted hair grass <i>Deschampsia cespitosa</i> , rib wort plantain <i>Plantago lanceolate</i> , dog rose <i>Rosa canina</i> , Agrimony <i>Agrimonia eupatoria</i> , White dead nettle <i>Lamium album</i> , Salade burnette <i>Sanguisorba minor</i> , Brome <i>Bromus</i> , Red champion <i>Silene dioica</i> , Rough hawkbit <i>Leontodon hispidus</i>
46.	Small corpse with species including; Forget me not <i>Myosotis arvensis</i> , Dogs mercury <i>Mercurialis</i> , Ivy <i>Hedra helix</i> , Lords and ladies <i>Arum maculatum</i> , nettle, hart tongue fern <i>Asplenium scolopendrium</i> , male fern <i>Dryopteris filix-mas</i> , Ground ivy <i>Glechoma hederacea</i> , Wood speedwell <i>Veronica montan</i> , Willow herb <i>Chamerion angustifolium</i> and Orchid. The broad-leaved woodland found at the quarry contains the following species; Elder <i>Sambucus nigra</i> , Ash <i>Fraxinus excelsior</i> , Hawthorn <i>Crataegus Monogyna</i> , Sycamore <i>Acer pseudoplatanus</i> and Hazel <i>Corylus avellana</i> .
47.	Keepers Cottage appears to be from distance (viewed from footpath) to be of high bat roost potential.
48.	Mature Ash that has multiple deep holes with high bat potential.
49.	Semi improved grassland that features soft rush, creeping buttercup, Ox Eye Daisy, Vetch, Red fescue, meadow foxtail. The area has reptile potential and barn owl foraging [REDACTED]
50.	2 old Ash <i>Fraxinus excelsior</i> that features large rot holes with high bat potential.
51.	Old Quarry with a bike track, leading on to a semi improved grassland with scattered scrub, containing species such as; crosswort <i>Cruciata laevipes</i> , Segde <i>Cyperaceae</i> , Rib wort plantain <i>Plantago lanceolate</i> , Common vetch <i>Vicia sativa</i> , Nettle <i>Urtica</i>

	<p><i>dioica</i>, Bramble <i>Rubus fruticosus</i>, Cow parsley <i>Anthriscus sylvestris</i>. There is potential for good reptile habitat and barn owl foraging. It is possible species rich but due to lack of access could not survey further.</p>
52.	Rough grassland with abundant Reed canary grass, sedges with makes good potential habitat for reptiles and foraging habitat for barn owls.
53.	Broad leafed woodland with mature Beech trees <i>Fagus sylvatica</i> with high bat potential.
54.	Old Ash <i>Fraximus excelsior</i> with bat roost potential surrounded by tall ruderal, scattered scrub and improved grassland with potential for reptiles.
55.	Old bank with exposed rock suitable for reptiles.
56.	Farm with extensive various barns and farm buildings suitable for bats and barn owls.
57.	Hedgerow with semi improved grassland strips either side, species found; Ash <i>Fraximus excelsior</i> , Hawthorn <i>Crataegus Monogyna</i> , Field Maple, Apple <i>Malus domestica</i> , Hazel <i>Corylus avellana</i> , Blackthorn <i>Prunus spinose</i> .
58.	Strip of rough grassland that extends round the field margin adjacent to the woodland and hedgerows between the dry-stone wall. Species found here are; nettle <i>Urtica dioica</i> , Meadow foxtail <i>Alopecurus pratensis</i> , Cow parsley, Nettle, Hedge wound wort, Herb robert <i>Geranium robertianum</i> , Creeping buttercup <i>Ranunculus repens</i> , Cocks foot <i>Dactylis glomerate</i> , Chick weed <i>Stellaria media</i> , Creeping thistle <i>Cirsium arvense</i> .
59.	<p>Pond recently enhanced with shading tree removed and log piles/ wood chip created. Species found here include; silver grass, Creeping buttercup <i>Ranunculus repens</i>, aquatic mint <i>Mentha citrate</i>. Line of grassland glade in woodland and dried up stream.</p> <p>The pond has GCN potential, the woodland has potential of dormice and bats roosting potential in the large oak with rot holes.</p>
60.	Old Ash <i>Fraximus excelsior</i> with high bat potential in hedgerow, species include Hawthorn <i>Crataegus Monogyna</i> , Field Maple, Apple <i>Malus domestica</i> , Blackthorn <i>Prunus spinose</i> , Ash <i>Fraximus excelsior</i>
61.	Rough Grassland semi improved featuring; Meadow Thistle <i>Cirsium dissectum</i> , Dock <i>Rumex</i> , Brome <i>Bromus erectus</i> , Cocks foot <i>Dactylis glomerate</i> , Common Sorrel <i>Rumex acetosa</i> , Common Vetch <i>Vicia sativa</i> , Red fescue <i>Festuca rubra</i> . The grassland has reptile good potential.
62.	Mixed woodland surrounds a small dried up stream that steams from the pond.
63.	Farm house that supports high potential roosting features for bats.
64.	Old Ash <i>Fraximus excelsior</i> with large split that has high roosting potential for bats.
65.	Semi improved grassland with the following species; Cocks foot <i>Dactylis glomerate</i> , Creeping buttercup <i>Ranunculus repens</i> , False oat grass <i>Arrhenatherum elatius</i> , Hogweed <i>Heracleum sphondylium</i> , White clover <i>Trifolium repens</i> , Dandelion <i>Taraxacum</i> , Creeping Cinquefoil <i>Potentilla reptans</i> , Yorkshire fog <i>Holcus lanatus</i> , Rib wort plantain <i>Plantago lanceolate</i> , Red clover <i>Trifolium pratense</i> , and Common vetch <i>Vicia sativa</i> .
66.	Large Sycamore <i>Acer pseudoplatanus</i> with bat potential covered in dense Ivy <i>Hedera</i> and rot holes.

	Species poor hedgerow featuring Sycamore <i>Acer pseudoplatanus</i> , Hawthorn <i>Crataegus Monogyna</i> , Ash <i>Fraximus excelsior</i> , Ivy, and wild privet
68.	Free standing Sycamore <i>Acer pseudoplatanus</i> with callas rolls that has high bat potential.
69.	Line of trees free standing Sycamore <i>Acer pseudoplatanus</i> , Elder <i>Sambucus nigr</i> , Ash <i>Fraximus excelsior</i>
70.	Around the field margin species include Forget me not, Dove foot, Cranes Bill , Speedwell , Brome and Red clover <i>Trifolium pratense</i> and White clover <i>Trifolium repens</i>
71.	Hedgerow with trees, species including Hazel <i>Corylus avellana</i> , Spindle <i>Euonymus europaeus</i> , Sycamore <i>Acer pseudoplatanus</i>
72.	Corrugated barn which has features for Barn owl <i>Tyto alba</i> nesting potential.
73.	Hawthorn <i>Crataegus Monogyna</i> and Field Maple <i>Malus domestica</i> are evident here.
74.	Barn building that has barn owl and roosting bat potential as well as nesting birds.
75.	Neutral grassland containing species such as false oat grass <i>Arrhenatherum elatius</i> , cleaver <i>Galium aparine</i> , Hog weed <i>Heracleum sphondylium</i> , Nettle <i>Urtica dioica</i> , Cocksfoot <i>Dactylis glomerate</i> , Cranesbill, False brome <i>Anisantha sterlis</i> , Speedwell Veronica, Forget me not <i>Myosotis arvensis</i> , Red fescue <i>Festuca rubra</i> , Yorkshire fog <i>Holcus lanatus</i> , Shepard purses <i>Capsella bursa-pastoris</i> , Bed straw <i>Galium aparine</i> and Redshank. There is reptile habitat potential in this area.
76.	A plastic lined pond surrounded by tall ruderal, scrub and rubble. The area has good reptile and amphibian potential.
77.	Hedgerow featuring Damson, Bramble <i>Rubus</i> , Field Maple, <i>Malus domestica</i> , Hawthorn <i>Crataegus Monogyna</i> , Dog rose <i>Rosa canina</i>
78.	Cricket Clubhouse which has moderate potential for bats – cracks and holes in fascias and brickwork.
79.	Pond surrounded by amenity grassland with good amphibian potential.
80.	Hedgerow featuring Dogwood Cornus, Hawthorn <i>Crataegus Monogyna</i> , Field Maple <i>Malus domestica</i> , Beech <i>Fagus sylvatica</i> , Guelder Rose <i>Viburnum opulus</i> , Blackthorn <i>Prunus spinose</i> , Hazel <i>Corylus avellana</i> , Apple <i>Malus domestica</i>
81.	Semi-improved grassland with potential for reptiles at the edges, containing the following species: Annual Meadow Grass <i>poa annua</i> , Yorkshire Fog <i>Holcus lanatus</i> , Perennial, White Clover <i>Trifolium repens</i> , Dovesfoot Cranesbill <i>Geranium molle</i> , Creeping Buttercup <i>Ranunculus repens</i> , Dock <i>Rumex obtusifolius</i> , Nettle <i>Urtica dioica</i> , Red Fescue <i>festuca rubra</i> , Hedge Woundwort <i>Stachys sylvatica</i> , Cock's foot <i>Dactylis glomerate</i> , Hair grass <i>Deschampsia cespitosa</i> .
82.	Mixed Woodland
83.	Ash <i>Fraximus excelsior</i> with dense ivy coverage that has bat roost potential.
84.	Hedgerow with potential for dormice containing Elder <i>Sambucus nigra</i> , Blackthorn <i>Prunus spinose</i> , Bramble <i>Rubus</i> , Hazel <i>Corylus avellana</i> , Dog rose <i>Rosa canina</i> , Hawthorn <i>Crataegus Monogyna</i> and Clematis <i>Clematis</i>
85.	Semi-improved neutral grassland with reptile potential, featuring the following species: Dock <i>Rumex obtusifolius</i> , Creeping buttercup <i>Ranunculus repens</i> , Red Clover <i>Trifolium pratense</i> , Chickweed <i>Stellaria media</i> , White Clover <i>Trifolium repens</i> , Greater Plantain <i>Plantago Major</i> , Daisy <i>Bellis perennis</i> , Creeping Thistle <i>Circium spp</i> , Annual Meadow Grass <i>Poa Annus</i> , Perennial Rye Grass <i>Lolium perenne</i> ,

	Cock's-foot <i>Dactylis glomerate</i> , Yorkshire Fog <i>Holcus lanatus</i> , Black Medick <i>Medicago lupulina</i> , Crested Dogstail <i>Cynosurus cristatus</i> , Spear Thistle <i>Cirsium vulgare</i> , Yellow Rattle <i>Rhianthus Minor</i> , Dovesfoot Cranesbill <i>Geranium molle</i> , Meadowsweet <i>Filipedula ulmaria</i> , Mint <i>Mentha</i> , Meadow Foxtail <i>Alopecurus pratensis</i> , Ribwort Plantain <i>Plantago lanceolate</i> , Sheep Sorrel <i>Rumex acetosella</i> and Horsetail <i>Equisetum</i> .
86.	Ash <i>Fraximus excelsior</i> with bat potential in the hedgerow.
87.	Broad leaved woodland containing Ash <i>Fraximus excelsior</i> , Field Maple <i>Acer Campestre</i> , Hawthorn <i>Crataegus Monogyna</i> , Blackthorn <i>Prunus spinose</i> , Hazel <i>Corylus avellana</i> and Crack Willow <i>Salix fragilis</i> , some of which have bat potential. On the Forest floor are species such as Wood Melick <i>Melica uniflora</i> , Dog's Mercury <i>Mercurialis perennis</i> , Red Champion <i>Silene dioica</i> , Ground Ivy <i>Glechoma hederacea</i> , Hedge Woundwort <i>Stachys sylvatica</i> , Nettle <i>Urtica dioica</i> , Cleaver <i>Galium aparine</i> , Lords and Ladies <i>Arum maculatum</i> and Bluebell <i>Hyacinthoides non -scripta</i> .
88.	Pond with potential for reptiles and amphibians surrounded by species such as Mint <i>Mentha</i> , Soft Rush <i>Juncus effusus</i> , Meadow Vetch <i>Lathyrus pratensis</i> , Floating Sweetgrass <i>Glyceria fluitans</i> , Dock <i>Rumex obtusifolius</i> , Meadowsweet <i>Filipedula ulmaria</i> , Red Champion <i>Silene dioica</i> , Common Vetch <i>Vicia sativa</i> , Enchanter's Nightshade <i>Circaea lutetiana</i> , Greater Willowherb <i>Epilobium hirsutum</i> , Crack Willow <i>Salix fragilis</i> , Goat Willow <i>Salix caprea</i> and Cock's-foot <i>Dactylis glomerate</i> .
89.	Semi-improved grassland with scattered scrub featuring Yarrow <i>Achillea millefolium</i> , Creeping Buttercup <i>Ranunculus repens</i> , Perrenial Rye Grass <i>Lolium perenne</i> , Daisy <i>Bellis perennis</i> , Cock's-foot <i>Dactylis glomerate</i> , Spear Thistle <i>Cirsium vulgare</i> , Greater Plantain <i>Plantago Major</i> , Annual Meadow Grass <i>Poa Annus</i> , Ribwort Plantain <i>Plantago lanceolate</i> , Dock <i>Rumex obtusifolius</i> , Meadow Thistle <i>Cirsium dissectum</i> , White Clover <i>Trifolium repens</i> , Red Clover <i>Trifolium pratense</i> , Crested Dogstail <i>Cynosurus cristatus</i> , Birdsfoot Trefoil <i>Lotus corniculatus</i> , Germander Speedwell <i>Veronica chamaedrys</i> , Sweet Vernal Grass <i>Anthoxanthum odoratum</i> , Chickweed <i>Stellaria media</i> , Dovesfoot Cranesbill <i>Geranium molle</i> , Creeping Thistle <i>Cirsium spp</i> , Meadow Foxtail <i>Alopecurus pratensis</i> , Woolly Thistle <i>Cirsium eriophorum</i> , Hard Rush <i>Juncus inflexus</i> and Silverweed <i>Argentina anserine</i> .
90.	Pond with a concrete base.
91.	Conifer Plantation
92.	Broadleaved plantation, mainly consisting of Poplar <i>Populus tremula</i> trees.
93.	Mixed Woodland on banks featuring Ash trees <i>Fraximus excelsior</i> with rot holes suitable for bats.
94.	Hedgerow containing Hazel <i>Corylus avellana</i> and Hawthorn <i>Crataegus Monogyna</i> , suitable for dormice.
95.	Hedgerow with trees and a ditch, featuring Dogrose <i>Rosa canina</i> , Blackthorn <i>Prunus spinose</i> , Hawthorn <i>Crataegus Monogyna</i> , Field Maple <i>Acer Campestre</i> , Hazel <i>Corylus avellana</i> , Bramble <i>Rubus</i> and Ash <i>Fraximus excelsior</i> . There is potential for dormice here.
96.	Barn with bat and barn owl potential. The barn is directly adjacent to a veteran sycamore <i>Acer pseudoplatanus</i> with rot holes and callus rolls. Tall ruderals and rough grassland also surround the barn, suitable for reptiles.

97.	Verge suitable for reptiles with semi-improved tussocky grassland, scattered scrub and tall ruderals. Species include: Red Fescue <i>festuca rubra</i> , Cow Parsley <i>Anthriscus sylvestris</i> , Nettle <i>Urtica dioica</i> , Hawthorn <i>Crataegus Monogyna</i> , False Oatgrass <i>Arrhenatherum elatius</i> , Grasses <i>Poa spp</i> , Common Vetch <i>Vicia sativa</i> , Bramble <i>Rubus</i> , Clover <i>Trifolium spp</i> , Blackthorn <i>Prunus spinose</i> , Creeping Buttercup <i>Ranunculus repens</i> , Dovesfoot Cranesbill <i>Geranium molle</i> , False Brome <i>Anisantha sterilis</i> , Forget-me-not <i>Myosotis arvensis</i> , Chickweed <i>Stellaria media</i> , Yorkshire Fog <i>Holcus lanatus</i> and Ragwort <i>Jacobea vulgaris</i> .
98.	SR semi-improved grassland containing species such as Yorkshire Fog <i>Holcus lanatus</i> , Crested Dogstail <i>Cynosurus cristatus</i> , Red Fescue <i>festuca rubra</i> , Selfheal <i>Prunella</i> , Spear Thistle <i>Cirsium vulgare</i> , White Clover <i>Trifolium repens</i> , Red Clover <i>Trifolium pratense</i> , Ribwort Plantain <i>Plantago lanceolate</i> , Creeping Buttercup <i>Ranunculus repens</i> , Chickweed <i>Stellaria media</i> , Yellow Rattle Rhianthus Minor, Dandelion <i>Taraxacum</i> , False Oatgrass <i>Arrhenatherum elatius</i> , Smooth Hawksbeard <i>Crepis capillaris</i> , Catsear <i>Hypochaeris radica</i> , Common Vetch <i>Vicia sativa</i> , Chickweed <i>Stellaria media</i> , Pyramidal Orchid <i>Anacamptis pyramidalis</i> , Creeping thistle <i>Cirsium arvense</i> , Greater Plantain <i>Plantago Major</i> and Ragwort <i>Jacobea vulgaris</i> .
99.	Hedgerow containing Elder <i>Sambucus nigra</i> , Ivy <i>Hedera helix</i> , Hawthorn <i>Crataegus Monogyna</i> , Hazel <i>Corylus avellana</i> , Field Maple <i>Acer Campestre</i> , Elm <i>Ulmus rubra</i> and Blackthorn <i>Prunus spinose</i> .
100.	Buildings with low bat potential
101.	Broadleaved woodland containing Beech <i>Fagus sylvatica</i> , Wych Elm <i>Ulmus glabra</i> , Ash <i>Fraximus excelsior</i> , Lime <i>Tilia sp.</i> , Pedunculate Oak <i>Quercus robur</i> , Hazel <i>Corylus avellana</i> and Holly <i>Ilex aquifolium</i> . Also contains Wood Melick <i>Melica uniflora</i> , Woodruff <i>Galium odoratum</i> , Wood False Brome <i>Brachypodium sylvaticum</i> , Harts tongue fern <i>Asplenium scolopendrium</i> , Wild garlic <i>Allium oleraceum</i> , Tufted hair grass <i>Deschampsia cespitosa</i> and Hard Shield Fern <i>Polystichum aculeatum</i> . A mature broadleaved woodland on a steep slope with limestone outcrops. A number of trees have high bat potential and excellent foraging and also good for dormice and nesting birds.
102.	Parkland type landscape of semi-improved grassland and scattered broadleaved woodland. The grassland is poor semi-improved with patches of Common Nettle <i>Urtica dioica</i> and Bracken as well as Soft Rush <i>Juncus effusus</i> and Marsh Thistle <i>Cirsium palustre</i> , which indicate damp grassland. There are a number of scattered trees including Pedunculate Oak <i>Quercus robur</i> and Ash <i>Fraximus excelsior</i> and a number of mature species with high bat potential and moderate bid nesting potential.
103.	Viewed from the woodland edge, possible semi-calcareous grassland with a diverse mix of grasses and herbs including Quaking Grass <i>Briza media</i> , Crested Dogstail <i>Cynosurus cristatus</i> , Cock's-foot <i>Dactylis glomerate</i> , Annual Meadow Grass <i>Poa Annu</i> , Sedge <i>Carex sp.</i> , Marsh thistle <i>Cirsium palustre</i> , Ladies Bedstraw <i>Galium verum</i> , Meadow Buttercup <i>Ranunculus acris</i> , Common Spotted Orchid <i>Dactylorhiza fuchsii</i> , Birdsfoot Trefoil <i>Lotus corniculatus</i> , Pyramidal Orchid <i>Anacamptis pyramidalis</i> , Crosswort <i>Cruciata laevipes</i> , Yellow wort <i>Blackstonia perfoliate</i> and

	Milkwort <i>Polygala vulgaris</i> . There is moderate potential for reptile habitat in the margins.
104.	Exposed soil from a slump has left excellent habitat for invertebrates, particularly solitary bees and wasps.
105.	Mature Willow <i>Salix spp</i> with high potential for bats as there are a number of cavities and a hollow base. There is a tree bumblebee nest in the tree.
106.	Spring but no standing water.
107.	A mature Oak <i>Quercus spp.</i> with several cavities and high bat and barn owl potential.
108.	Dead Oak with flaky bark and rot holes and a high bat and invertebrate potential.
109.	Plantation Broadleaved Woodland featuring Ash <i>Fraxinus excelsior</i> , Wild Cherry <i>Prunus Avuim</i> , Pedunculate Oak <i>Quercus robur</i> , Field Maple <i>Acer Campestre</i> and Lime <i>Tilia sp.</i> . The trees are mainly semi-mature planted trees with remnant mature and over-mature standards, some with high bat potential. The understory is generally sparse, except amid the margins. Species present include Wood Dock <i>Rumex sanguineus</i> , Wood speedwell <i>Veronica montan</i> , Wood Avens <i>Geum urbanum</i> . There is moderate dormouse potential although there is a poor understory.
110.	No access although likely a pond a distance from the path with bulrushes <i>Typha gracilis</i> visible. A Semi-improved poor grassland field with moderate reptile potential.
111.	Species rich hedge along the track containing the following species: Wild Privet <i>Ligustrum vulgare</i> , Hazel <i>Corylus avellana</i> , Field Maple <i>Acer Campestre</i> , Hawthorn <i>Crataegus Monogyna</i> , Holly <i>Ilex aquifolium</i> , Wych Elm <i>Ulmus glabra</i> , Dog rose <i>Rosa canina</i> , Bush Vetch <i>Vicia sepium</i> , Wood Dock <i>Rumex sanguineus</i> , Herb robert <i>Geranuim robertianum</i> , Black Bryony <i>Dioscorea communis</i> , Horse Chestnut <i>Aesculus hippocastanum</i> and Sycamore <i>Acer pseudoplatanus</i> .
112.	An oval pond with an island, viewed from footpath. It has good water quality, no ducks or fish, 10% shading and 60% vegetation cover. There is excellent terrestrial habitat and a high potential for great crested newts.
113.	One mature and three smaller pollarded black poplars on hedge.
114.	A dry ditch next to a hedge with trees featuring Crack Willow <i>Salix fragilis</i> , Ash <i>Fraxinus excelsior</i> , Bramble <i>Rubus</i> , Elder <i>Sambucus nigra</i> , Hawthorn <i>Crataegus Monogyna</i> , Elm <i>Ulmus rubra</i> and Common Nettle <i>Urtica dioica</i> .
115.	Verge of the A417, planted with trees and shrubs including Aspen <i>Populus tremula</i> , Dog rose <i>Rosa canina</i> , Dogwood <i>Cornus sanguinea</i> , Wayfaring <i>Viburnum lantana</i> , Damson <i>Prunus domestica</i> and Ash <i>Fraxinus excelsior</i> and Pyramidal Orchid <i>Anacamptis pyramidalis</i> . There are patches of good reptile habitat on the grassy verges and good dormouse habitat, although there is some loss of connectivity.
116.	Small broadleaved woodland containing actively managed hazel coppice with mature Hazel <i>Corylus avellana</i> . There is good dormouse potential with good connectivity to the hedgerow network.
117.	A network of fields which appear to be semi-improved poor with areas of tall ruderals. There is no access and two inaccessible footpaths. It is used as a mountain bike park and looks to have moderate reptile potential.
118.	Rough semi-improved poor grassland featuring Cock's-foot <i>Dactylis glomerate</i> , Yorkshire fog <i>Holcus lanatus</i> , False oat grass <i>Arrhenatherum elatius</i> , Nettle <i>Urtica dioica</i> , Wood Dock <i>Rumex sanguineus</i> , Creeping Thistle <i>Circium arvense</i> and

	Broad-leaved Dock <i>Rumex obtusifolius</i> . There is moderate reptile potential and good Barn Owl foraging potential.
119.	Pedunculate Oak <i>Quercus robur</i> with numerous deep rot hole and fissures, creating a high bat potential.
120.	Mature Ash <i>Fraxinus excelsior</i> with a high bat potential. There is a large split down the stem at the base with multiple deep rot holes.
121.	Semi-improved/semi-calcareous grassland. The area is mostly semi-improved but is locally herb rich in all three fields. Species include: Yellow Rattle <i>Rhianthus Minor</i> , Crosswort <i>Cruciata laevipes</i> , Ribwort plantain <i>Plantago lanceolate</i> , Meadow Buttercup <i>Ranunculus acris</i> , Cock's-foot <i>Dactylis glomerate</i> , False oat grass <i>Arrhenatherum elatius</i> , Red fescue <i>festuca rubra</i> , Crested Dogstail <i>Cynosurus cristatus</i> , Cranesbill <i>Geranium maculatum</i> , Pyramidal Orchid <i>Anacamptis pyramidalis</i> , Common vetch <i>Vicia sativa</i> , Ladies Bedstraw <i>Galium verum</i> , Red clover <i>Trifolium pratense</i> and Germander Speedwell <i>Veronica chamaedrys</i> . There is moderate reptile potential around the margins.
122.	A 3m x 2m pond with no shade, ducks or fish. There is 10% aquatic vegetation coverage of Floating Sweetgrass <i>Glyceria fluitans</i> . There is moderate potential for great crested newts, but perhaps a bit small. Only 10 bottle traps needed.