Land off Lidget Street, Huddersfield

Updated Preliminary Ecological Appraisal

February 2021

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1 Introduction

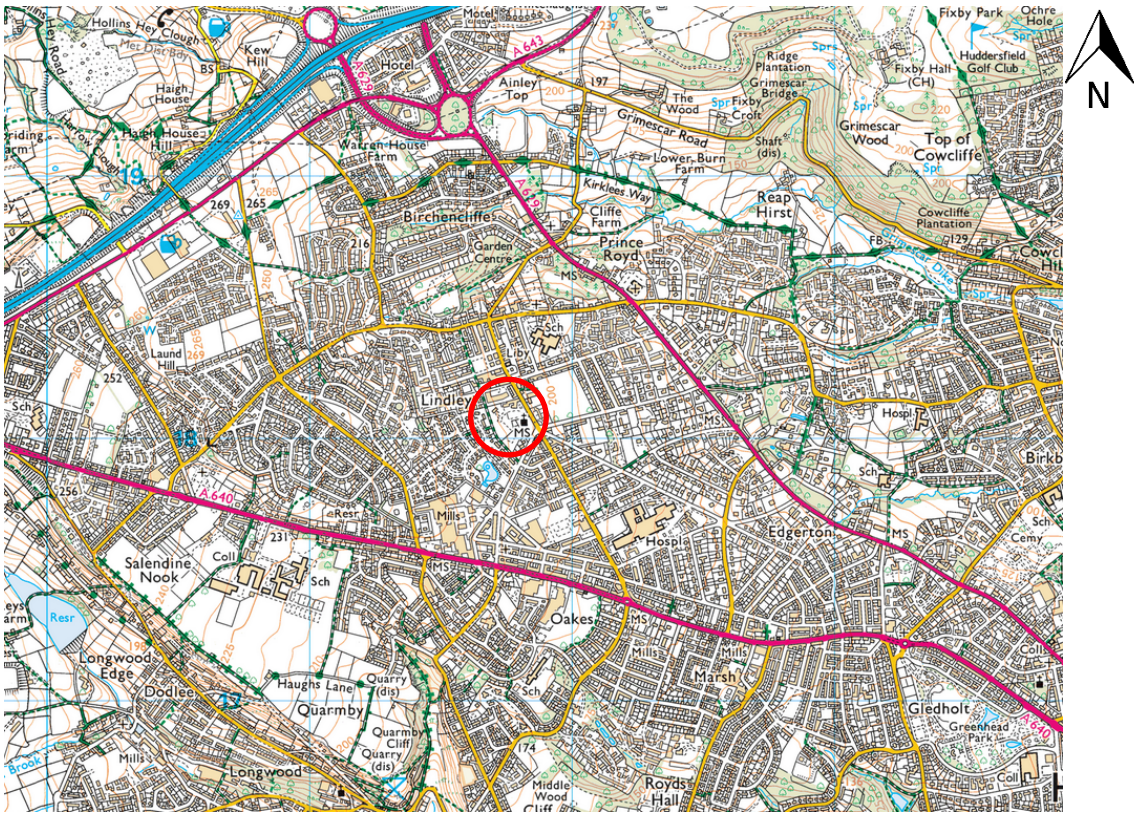
1.1.1.1 This report presents the results of an Updated Preliminary Ecological Appraisal undertaken on Land off Lidget Street, Huddersfield, HD3 3JB. The site (see Figure 1) extends to approximately 0.7 hectares and is centred at approximate grid reference SE11751806.

1.1.1.2 The aims of this assessment were to identify the habitat types present on the site, to assess the potential for protected / notable species to occur and to make any recommendations for further surveys or assessments which may be required to inform a subsequent planning application for development at the site. At the time of writing, the details of the proposed development were not known.

1.1.1.3 A preliminary ecological appraisal survey including a bat scoping survey was conducted on 18th June 2018. An update preliminary ecological appraisal survey was conducted on 12th February 2021. All survey work was undertaken by Toby Fisher MCIEEM CEnv. An update desk-based study was also undertaken in February 2021 to obtain existing ecological records for the site and the surrounding area. This report presents the results of both the Preliminary Ecological Appraisal and the Update Preliminary Ecological Appraisal.

Figure 1. Site location outlined in red (aerial imagery dated 2019)

Figure 2. Site location



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2 Methodology

2.1 Desk Study

2.1.1.1 In February 2021, West Yorkshire Ecology Service (WYES) was contacted for an update search of protected sites and records of protected species within a 2 km radius of the site.

2.1.1.2 In addition, the following data sources were searched for statutorily protected sites and additional ecological data of relevance to the assessment such as off-site waterbodies:

- Multi Agency Geographic Information for the Countryside (MAGIC).
- Ordnance Survey 1:10,000 mapping.
- Aerial imagery (dated 2019).

2.2 Personnel

2.2.1.1 The Preliminary Ecological Appraisal survey and Update Preliminary Ecological Appraisal was undertaken by Toby Fisher CEnv MCIEEM[1] [2].

2.3 Update Preliminary Ecological Field Survey

2.3.1.1 A Preliminary Ecological Appraisal of the site was conducted on 18th June 2018. An Update Preliminary Ecological Appraisal of the site was conducted on 12th February 2021. All survey work was undertaken by Toby Fisher CEnv MCIEEM and was undertaken in accordance with the standard survey methodology[3] [4].

2.3.1.2 The habitats on the site were assessed and categorised in order to provide baseline information and subsequent interpretation of the ecological value of the site. In addition, the site was searched for evidence of protected / notable species and assessed in terms of its potential to support protected / notable species such as badger, great crested newt, water vole, reptiles and bat species.

2.4 Limitations

2.4.1.1 The initial survey was undertaken within the optimum season for Phase 1 habitat surveys (May to September/October); the weather conditions at the time of the survey were dry, wind Beaufort Scale 1 and 16°C with good visibility. The update survey was undertaken outside the optimum season for Phase 1 habitat surveys (May to September/October). The weather conditions at the time of the survey were dry, wind Beaufort Scale 4 and 0°C with good visibility with a patchy covering of snow on the ground. There were no access restrictions during either survey. Taken together, the two survey visits have enabled a thorough preliminary ecological appraisal.

[1] Natural England Class Licence Registration No. 2015-10756-CLS-CLS - CL18 Level 2 (Bats).

[2] Natural England Class Licence Registration No. WML- CL08:2015-16681-CLS-CLS (Great Crested Newts).

[3] JNCC, (2010), Handbook for Phase 1 habitat survey - a technique for environmental audit, ISBN 0 86139 636 7.

[4] Chartered Institute of Ecology and Environmental Management (CIEEM). (2017). Guidelines for Preliminary Ecological Appraisal, Second Edition. December 2017. CIEEM, Winchester.

3 Results

3.1 Desk Study

3.1.1 Internationally / Nationally Protected Sites

3.1.1.1 There is one nationally protected site within 2 km of the site; ***Elland Bypass Cutting SSSI*** (Site of Special Scientific Interest) located approximately 2 km north of the site at its nearest point. This is a Geological SSSI.

3.1.2 Locally Designated Sites

3.1.2.1 WYES confirmed the presence of 4 locally designated sites within 2 km of the site. None of these sites is located within 1 km of the study site. The nearest of the site is Grimescar Wood LWS (Local Wildlife Site) located approximately 1.18 km north-east of the site.

3.1.3 Habitat Network / Ancient Woodland

3.1.3.1 There are several areas within the study area identified as part of Kirklees Wildlife Habitat Network. The nearest such area is approximately 400 metres north of the site.

3.1.3.2 The nearest area of Ancient Woodland listed on the West Yorkshire Ancient Woodland Inventory is Grimescar Wood located approximately 1.18 km north-east of the site.

3.1.4 Species Records

Amphibians

3.1.4.1 Numerous records of common toad, common frog and palmate newt within 2 km. The nearest being a record of common frog from approximately 420 metres south-east of the site.

Birds

3.1.4.2 Multiple records (none from within 500 metres of the site itself) including: Skylark, Mallard, Tree Pipit, Purple Sandpiper, Nightjar, Goldfinch, Stock Dove, Cuckoo, Lesser Spotted Woodpecker, Yellowhammer, Reed Bunting, Kestrel, Pied Flycatcher, Brambling, Snipe, Swallow, Corn Bunting, Grey Wagtail, Yellow Wagtail, Spotted Flycatcher, Wheatear, Willow Tit, House Sparrow, Tree Sparrow, Grey Partridge, Redstart, Wood Warbler, Willow Warbler, Green Woodpecker, Dunnock, Bullfinch, Woodcock, Starling, Whitethroat, Redwing, Song Thrush, Fieldfare, Mistle Thrush and Hoopoe.

Crustaceans

3.1.4.3 Several records of white-clawed crayfish *Austropotamobius pallipes* from approximately 2 km south-east of the site.

Insects

3.1.4.4 A record of a Notable-A insect, poplar borer *Saperda carcharias* from SE125170, approximately 1.2 km from the site.

3.1.4.5 A record of a Notable-B insect, musk beetle *Aromia moschata* from SE115180, approximately 100 metres west of the site.

Reptiles

3.1.4.6 Two records of grass snake within 2 km but none within 1 km of the site; most recent dated 1936.

Bats

3.1.4.7 WYES provided 78 records of bats within 2 km of the site comprising the following species: Noctule, Common Pipistrelle, Pipistrelle Bat species, Brown Long-Eared Bat, Whiskered Bat, *Myotis* sp., Leisler's Bat and Vesper Bat species.

3.1.4.8 The majority of the bat records are over 500 metres from the site; however the following records are from within 500 metres of the site:

- Pipistrelle species (field record of 8 adults) dated 07/07/2005 from SE11821805 (St Stephen's Parish Church) approximately 20 metres south of the site access route.
- Vesper bat species (roost of 1 adult) dated 08/01/2003 from SE1164817846 approximately 165 metres south-west of the site.
- Common pipistrelle (field record) dated 01/07/2013 from SE1221318145 approximately 380 metres east of the site.
- Common pipistrelle (field record) dated 14/07/2003 from SE115184 approximately 400 metres north of the site.
- Common pipistrelle (possible roost) dated 23/07/2003 from SE1200417682 approximately 400 metres south-south-east of the site.
- Field records of Leisler's, common pipistrelle (upto 10) and brown long-eared dated 2003 from SE119176 approximately 420 metres south of the site.

Badger

3.1.4.9 WYES confirmed that there are no badger records within 200 metres of the site centre. The nearest sett record is over 2 km from the centre of the site. The site does not fall within the area of increased probability of badger activity, as defined by WYES.

3.2 Preliminary Ecological Field Survey

3.2.1.1 Please also refer to Figure 2 and photos included in Appendix 2. The site lies at approximately 180 metres above sea level. The landform slopes gently downwards from the south-west to north-east.

3.2.1.2 The site is bordered to the north by Holt Park Leisure Centre; to the west by a secondary school; to the east by an area of derelict land with amenity grassland and housing beyond; and to the south by a row of trees adjacent to Farrar Lane with playing fields and housing beyond.

3.2.2 Habitats

Species-poor semi-improved grassland

3.2.2.1 The grassland within the site appears to originate from outgrown former amenity grassland. The majority of the grassland was unmown at the time of the survey. Species present include red fescue, common bent *Agrostis capillaris*, smooth meadow-grass *Poa pratensis*, Yorkshire fog, false oat-grass *Arrhenatherum elatius*, cock's-foot *Dactylis glomerata*, couch *Elytrigia repens*, white clover *Trifolium repens*, hop trefoil *Trifolium campestre*, sorrel *Rumex acetosa*, broad-leaved dock *Rumex obtusifolius*, ribwort plantain *Plantago lanceolata*, meadow buttercup *Ranunculus acris*, ragwort *Senecio jacobaea*, heath bedstraw *Galium saxatile*.

Hard standing

3.2.2.2 The hard standing at the site is largely devoid of vegetation except for sparse vegetation at the margins including red fescue *Festuca rubra*, wood avens *Geum urbanum*, selfheal *Prunella vulgaris*, ragwort, creeping thistle *Cirsium arvense* and lesser trefoil *Trifolium dubium*.

Broad-leaved trees

3.2.2.3 The site's western boundary is characterised by a continuous row of mature sycamore *Acer pseudoplatanus* and beech *Fagus sylvatica* trees with occasional ash *Fraxinus excelsior*. The ground flora and shrub layer here comprises elder *Sambucus nigra*, wych elm *Ulmus glabra*, wood avens, Yorkshire fog *Holcus lanatus*, broad-leaved dock *Rumex obtusifolius*, meadow buttercup *Ranunculus*

acris, cock's-foot Dactylis glomerata, bramble Rubus fruticosus agg. and ground elder *Aegopodium podagraria*.

3.2.2.4 In the eastern part of the site, the access route off Lidget Street is bordered by several mature trees including sycamore, beech, holly *Ilex aquifolium,* cherry *Prunus avium* and whitebeam *Sorbus aria*. The ground flora and shrub layer here comprises privet *Ligustrum ovalifolium*, rhododendron *Rhododendron ponticum*, ivy *Hedera helix*, hawthorn *Crataegus monogyna,* wood avens, cow parsley *Anthriscus sylvestris*, cock's-foot, smooth meadow-grass, cleavers *Galium aparine*, broad-leaved willowherb *Epilobium montanum* and meadow buttercup *Ranunculus acris*.

3.2.2.5 Further trees present within the site comprise a small number of young mature and mature trees including London plane *Platanus x hispanica*, cherry, rowan *Sorbus aucuparia*, sycamore and ash. Species associated with the trees within the site include ivy, wood avens, entire-leaved cotoneaster *Cotoneaster integrifolius*, Japanese rose *Rosa rugosa*, firethorn *Pyracantha* sp., dogwood *Cornus* sp. and dog rose *Rosa canina*.

Semi-natural broad-leaved woodland

3.2.2.6 A small area of semi-natural broad-leaved woodland has developed as young secondary woodland in the south-eastern part of the site (Target Note 5, Figure 2). Species present here include ash, cherry, goat willow *Salix caprea*, bramble, raspberry *Ribes idaeus*, ivy, pedunculate oak *Quercus robur* and false oat-grass.

Hedgerow

3.2.2.7 The southern boundary of the site is marked by a hedgerow approximately 3 metres tall. The hedgerow is dominated by beech with sycamore. Additional species present include horse chestnut *Aesculus hippocastanum*, hedge bindweed *Calystegia sepium*, bramble and ash. In the eastern part of the hedgerow, Japanese rose is also present (Target Note 2, Figure 2).

Invasive weeds

3.2.2.8 Three species listed on Schedule 9 of the Wildlife and Countryside Act 1981 (as amended) have been identified at the site:

- Japanese rose *Rosa rugosa* is present in the eastern part of the hedgerow along the site's southern boundary (Target Note 2, Figure 2).
- Entire-leaved cotoneaster *Cotoneaster integrifolius* is present in the eastern part of the site (Target Notes 3, 4 and 9, Figure 2).
- Rhododendron *Rhododendron ponticum* is present in the eastern part of the site (Target Note 7, Figure 2).

3.2.3 Birds

3.2.3.1 A limited range of birds was observed during the surveys in 2018 and 2021. Species observed within the site included blackbird, goldfinch, house martin and house sparrow.

3.2.3.2 House sparrow is a Species of Principal Importance for the conservation of biodiversity in England[5]. Further Species of Principal Importance[5] could occur at the site, e.g. dunnock, song thrush and starling.

3.2.3.3 A range of common birds are expected to nest in trees, woodland and hedgerow at the site.

3.2.3.4 No evidence of specially protected species such as barn owl was noted at the site and it is considered unlikely that such species would occur at the site.

[5] Species listed on Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006 as Species of Principal Importance for the conservation of biodiversity in England.

3.2.4 Bats

3.2.4.1 Several mature trees along the site's western boundary were assessed as having low bat roost potential. In addition, three mature sycamore trees adjacent to the access route off Lidget Street (Target Notes 6 and 8, Figure 2) were assessed as having low bat roost potential. All trees elsewhere within the site were assessed as having negligible or zero bat roost potential. There are no built structures on the site.

3.2.4.2 In terms of foraging and commuting habitats, the trees, hedgerow and broad-leaved woodland near the site's western, southern and eastern boundaries are assessed as being of moderate value for bats due to their likely value as a foraging and commuting habitats and their potential value as habitat connectivity features, particularly given the previous record of a roost of 8x pipistrelle bats in St Stephen's Parish Church approximately 20 metres south of the site access route. The grassland and hard standing habitats within the site are assessed as being of negligible value for bats due to the lower species and structural diversity.

3.2.5 Great Crested Newt

3.2.5.1 One waterbody has been identified within 500 metres of the site. This is a highly ornamental water feature located approximately 90 metres south-west of the site. The waterbody extends to approximately 80 x 50 metres and has a concrete plinth around the entire perimeter along with a large number of permanent fishing pitches. The waterbody is understood to support a large population of fish including carp as well as numerous ducks. Based on the large population of fish including carp, which are known to be significant predators of great crested newts, it is considered that the waterbody is not suitable for breeding great crested newts.

3.2.6 Reptiles

3.2.6.1 The habitats on the site provide relatively poor quality habitat for reptiles. Based on the absence of previous reptile records within 2 km of the site and the site's location within an urban environment with poor habitat connectivity to areas of good quality reptile habitat, it is considered very unlikely that reptiles would occur at the site.

3.2.7 Badger and Other Fauna

3.2.7.1 No evidence of badger was observed at the site. Hedgehog, a Species of Principal Importance in England[5], could potentially occur within the site. No habitats suitable for resident populations of reptiles, otter or water vole were identified within the site.

Figure 2. Phase 1 Habitat Map

Key:

- Study area
- Hard standing
- 1 Target note
- Broad-leaved trees and woodland
- SI Species-poor semi-improved grassland
- Hedgerow

Table 1. Target Notes

Target note	Description
1	Mature sycamore and beech trees (low bat roost potential)
2	*Rosa rugosa* (Schedule 9 WCA species) present in hedgerow
3	*Cotoneaster integrifolius* (Schedule 9 WCA species) present in hedgerow
4	*Cotoneaster integrifolius* (Schedule 9 WCA species)
5	Area of young secondary woodland
6	2x mature sycamore trees with low bat roost potential
7	*Rhododendron ponticum* (Schedule 9 WCA species)
8	Mature sycamore tree with low bat roost potential
9	*Cotoneaster integrifolius* (Schedule 9 WCA species)

4 Conclusions and Recommendations

4.1 Protected Sites

4.1.1.1 Based on the distance between the development site and protected sites, the proposed development is not predicted to result in any significant effects on protected sites.

4.2 Habitats

4.2.1.1 All of the habitats at the site are assessed as being of ecological value at the site level only.

Recommendations

4.2.1.2 It is recommended that the mature trees on the site are retained wherever possible; particularly the trees along the site's western boundary and those alongside the access route in the eastern part of the site (Target Notes 1 and 6, Figure 2) with suitable buffer zones.

4.2.1.3 It is recommended that the hedgerow along the site's southern boundary and the woodland in the eastern part of the site (Target Notes 2 and 5, Figure 2) with suitable buffer zones.

4.2.1.4 If any adverse effects on any of these areas are unavoidable, it will be necessary to provide appropriate mitigation / compensation measures.

4.3 Invasive Weeds

4.3.1.1 Three species listed on Schedule 9 of the Wildlife and Countryside Act 1981 (as amended) are present at the site: Japanese rose *Rosa rugosa*; Entire-leaved cotoneaster *Cotoneaster integrifolius*; and Rhododendron *Rhododendron ponticum*.

4.3.1.2 It is recommended that an Invasive Weeds Management Plan should be prepared and implemented in order to ensure that none of these species is spread within or beyond the site. Management of all three species at this site is anticipated to be relatively straightforward using standard mechanical and/or chemical means.

4.4 Birds

4.4.1.1 A range of common species may nest in trees, woodland and hedgerow at the site.

4.4.1.2 Species of Principal Importance for the conservation of biodiversity in England[6] could occur at the site, e.g. dunnock, song thrush, starling and house sparrow.

4.4.1.3 It is considered unlikely that specially protected species such as barn owl would occur at the site.

Recommendations

4.4.1.4 It is recommended that, where possible, any works affecting potential bird nesting areas should be undertaken outside the main bird nesting period of March to August (inclusive). If this is not possible, any such works undertaken within the bird nesting period (March to August inclusive) should be supervised by a suitably qualified ecologist. The supervising ecologist will advise all site personnel of the potential presence of nesting birds, their legal protection and the need to minimise disturbance of nesting birds. If active nests are present, they must be retained in situ undisturbed until the nests are no longer in active use. A nest is classed as active when it contains eggs or chicks and when it is being built.

4.4.1.5 It is recommended that the trees along the site's western boundary, the trees alongside the access route in the eastern part of the site, the hedgerow along the site's southern boundary and the

[6] Species listed on Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006 as Species of Principal Importance for the conservation of biodiversity in England.

woodland in the eastern part of the site (Target Notes 1, 2, 5 and 6, Figure 2) should be retained along with suitable buffer zones. If any adverse effects on these areas are unavoidable, it will be necessary to undertake breeding bird surveys to inform the development.

4.4.1.6 It is recommended that bird nest boxes suitable for house sparrow, starling and swift should be provided on new buildings at the site.

4.5 Bats

4.5.1.1 No evidence of bat roosts at the site was observed during the surveys. Several trees along the site's western boundary and alongside the access route in the eastern part of the site were assessed as having low bat roost potential. In terms of foraging and commuting habitats, the trees, hedgerow and broad-leaved woodland near the site's western, southern and eastern boundaries are assessed as being of moderate value for bats.

Recommendations

4.5.1.2 It is recommended that the trees, hedgerow and broad-leaved woodland near the site's western, southern and eastern boundaries should be retained in situ with suitable buffer zones. If any adverse effects on these areas are unavoidable, it will be necessary to undertake detailed bat activity surveys during the period April to October. If any trees with low bat roost potential are to be felled or subject to surgery, bat roost surveys will be required, e.g. climb-and-inspect surveys.

4.5.1.3 Any additional lighting at the site should aim to avoid artificial light-spill affecting retained trees and woodland at the site margins, particularly in the vicinity of St Stephen's Parish Church approximately 20 metres south of the site access route given the previous record of a roost of 8x pipistrelle bats in the church.

4.5.1.4 It is recommended that bat boxes should be provided on retained trees and/or on new buildings at the site.

4.6 Great Crested Newt

4.6.1.1 No waterbodies suitable for breeding great crested newts have been identified within 500 metres of the site and no further surveys or mitigation are considered necessary.

4.7 Reptiles

4.7.1.1 It is considered very unlikely that reptiles would occur at the site. Therefore no further surveys or mitigation are considered necessary.

4.8 Badger and Other Fauna

4.8.1.1 No further surveys or mitigation for white-clawed crayfish, badger, hedgehog or other species are considered necessary.

Appendix 1. Legislation and Conservation Context

European Protected Species (GCN, Otter, all Bats)

GCN, otter and all British bat species are fully protected through The Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019 as a European Protected Species (EPS). They also receive some protection through inclusion in Schedule 5 of the Wildlife and Countryside Act 1981 (as amended).

Under the legislation, it is an offence to deliberately capture, injure or kill a GCN, otter or bat. It is an offence to damage or destroy a breeding site or resting place of a GCN, otter or bat. It is also an offence to intentionally or recklessly disturb a GCN, otter or bat while it is occupying a structure or place which it uses for shelter or protection; or obstruct access to any structure or place which it uses for that purpose.

It is also an offence to deliberately disturb a GCN, otter or bat; in particular any disturbance which is likely (a) to impair their ability - (i) to survive, to breed or reproduce, or to rear or nurture their young, or (ii) in the case of animals of a hibernating or migratory species, to hibernate or migrate; or (b) to affect significantly the local distribution or abundance of the species to which they belong.

The 'appropriate authority' (Natural England in England) has powers to issue licences for various purposes including - (a) scientific or educational purposes… and (e) preserving public health or public safety or other imperative reasons of overriding public interest including those of a social or economic nature and beneficial consequences of primary importance for the environment. The appropriate authority shall not grant a licence under this regulation unless they are satisfied - (a) that there is no satisfactory alternative, and (b) that the action authorised will not be detrimental to the maintenance of the population of the species concerned at a favourable conservation status in their natural range. It is an offence for any person authorised by virtue of a licence to which this paragraph applies to contravene or fail to comply with any condition which the licence requires him to comply with.

Nesting Birds

All wild birds in the UK are protected under Section 1 of the Wildlife and Countryside Act 1981 (as amended) which makes it an offence to intentionally kill, injure or take any wild bird or take, damage or destroy the nest (whilst being built or in use) or its eggs. Bird species listed in Schedule 1 of the 1981 Act, e.g. barn owl, receive further protection which makes it an offence to intentionally or recklessly disturb these species while building a nest or in, on or near a nest containing eggs or young; or to disturb dependent young of such a bird.

Reptiles

All 'common' reptiles in the UK, i.e. slow-worm *Anguis fragilis*, common lizard *Lacerta vivipara*, adder *Vipera berus* and grass snake *Natrix natrix*, are listed on Schedule 5 of the Wildlife and Countryside Act 1981 (as amended) in respect of Sections 9(1) and 9(5) which makes it an offence to intentionally kill, injure or sell the animals.

Badger *Meles meles*

Badgers receive strict protection under the Protection of Badgers Act 1992 which makes it an offence to wilfully kill, injure, take or attempt to kill, injure or take a badger or interfere with a badger sett by damaging a sett or any part thereof. It is also an offence to wilfully destroy a sett, obstruct access to a sett or disturb a badger while occupying a sett. The 1992 Act defines a badger sett as "any structure or place, which displays signs indicating current use by a badger".

Appendix 2. Photographs

Photo 1. Looking south-east across the site

Photo 2. Looking north-north-west along site's western boundary

Photo 3. Looking south-west along site's southern boundary

Photo 4. Looking south to area of Cotoneater and Rosa rugosa

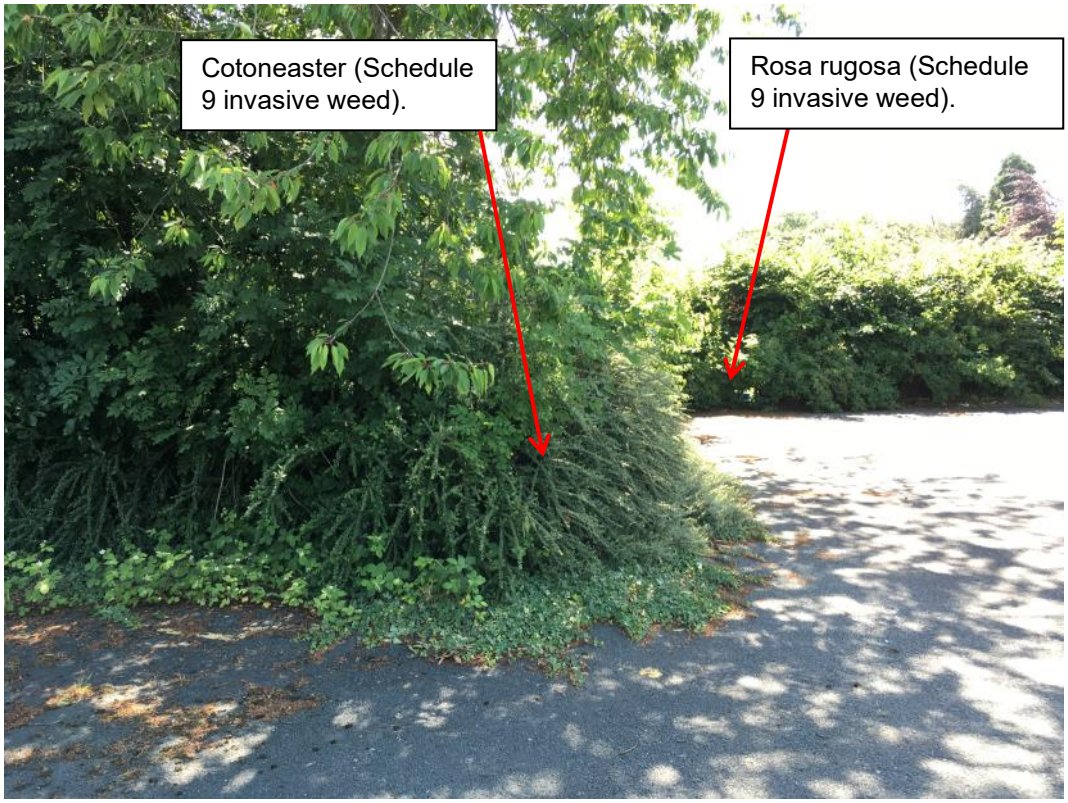

Photo 5. Looking north-north-west across the site

Photo 6. Looking west along access route in eastern part of the site

Photo 7. Looking north across access point off Lidget Street

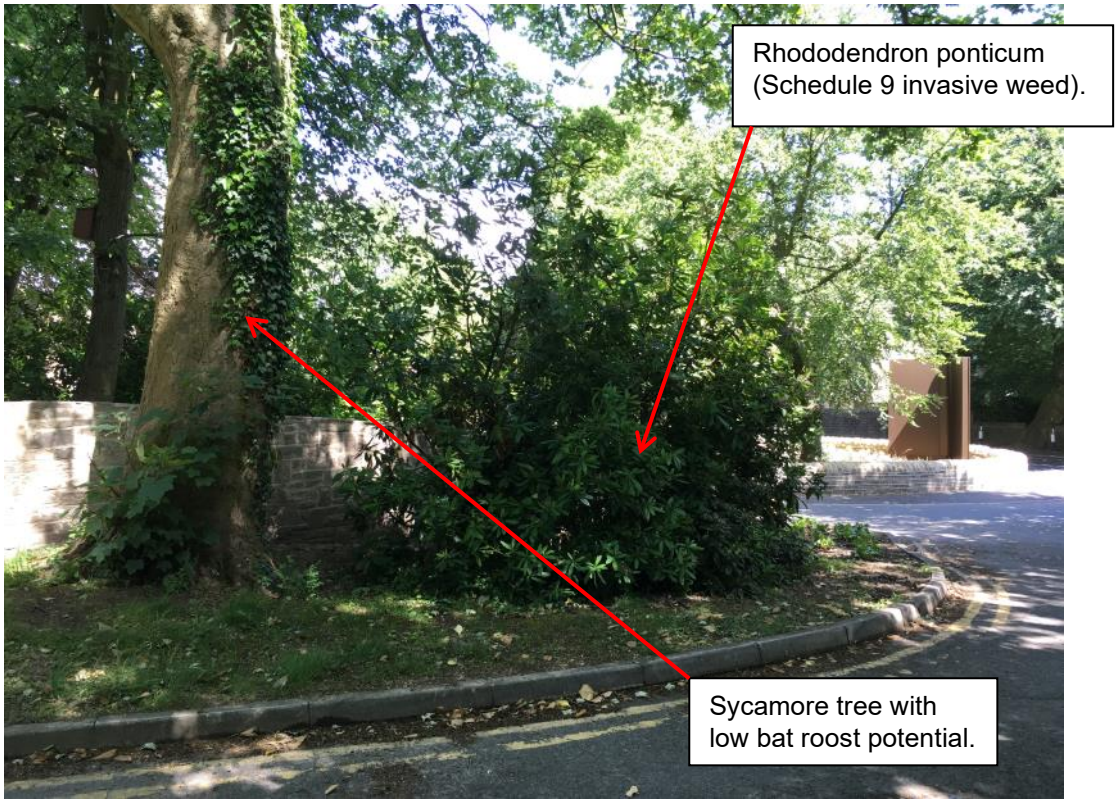

Photo 8. Tree with bat roost potential in north-west of the site

Photo 9. Trees with bat roost potential on western boundary of the site

Photo 10. Cotoneaster integrifolius in south-eastern part of the site

Appendix 3. Information provided by WYES

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ECOLOGICAL RECORDS SEARCH

FOR

LIDGET STREET, HUDDERSFIELD, HD3 3JB

Ref No:- 20210212 K1411 MT

Date: 12/02/2021

Prepared For Toby Fisher

Quants Environmental Ltd

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1 Introduction

This report provides a summary of the protected and notable species, habitats and designated sites information held by West Yorkshire Ecology Service (WYES) within 2km of grid reference SE11751806.

The information within this report is supplied subject to WYES's 'Terms and Conditions', which can be viewed on the WYES website (http://wyjs.org.uk/ecology-service/).

2 Species

Please see Appendix E for records held by WYES within your defined search area.

2.1 SENSITIVE SPECIES RECORDS

2.1.1 Badgers

West Yorkshire Ecology Service hold no badger information within 200m of your site**.** However please see separate excel spreadsheet for additional information such as closest sett records and increased probability of badger activity within your search area.

See Appendix D for an explanation to the supply of badger data.

3 Designated sites

3.1 INTERNATIONALLY/NATIONALLY DESIGNATED SITES

There are no internationally/nationally designated sites within your search area.

3.2 LOCALLY DESIGNATED SITES

The following Non-Statutory sites were found within the search area, and are shown on Fig 1.

Name of Site	Designation
Gledholt Woods	Local Wildlife Site
Grimescar Wood	Local Wildlife Site
Old Lindley Moor	Local Geological Site

Explanations for designated sites are provided in Appendix B.

Citations for locally designated sites are provided in Appendix C.

The following Statutory local site was found within the search area, and is shown on Fig 1.

Name of Site	Designation
Gledholt Woods	Local Nature Reserve

Explanations for designated sites are provided in Appendix B.

4 Habitats

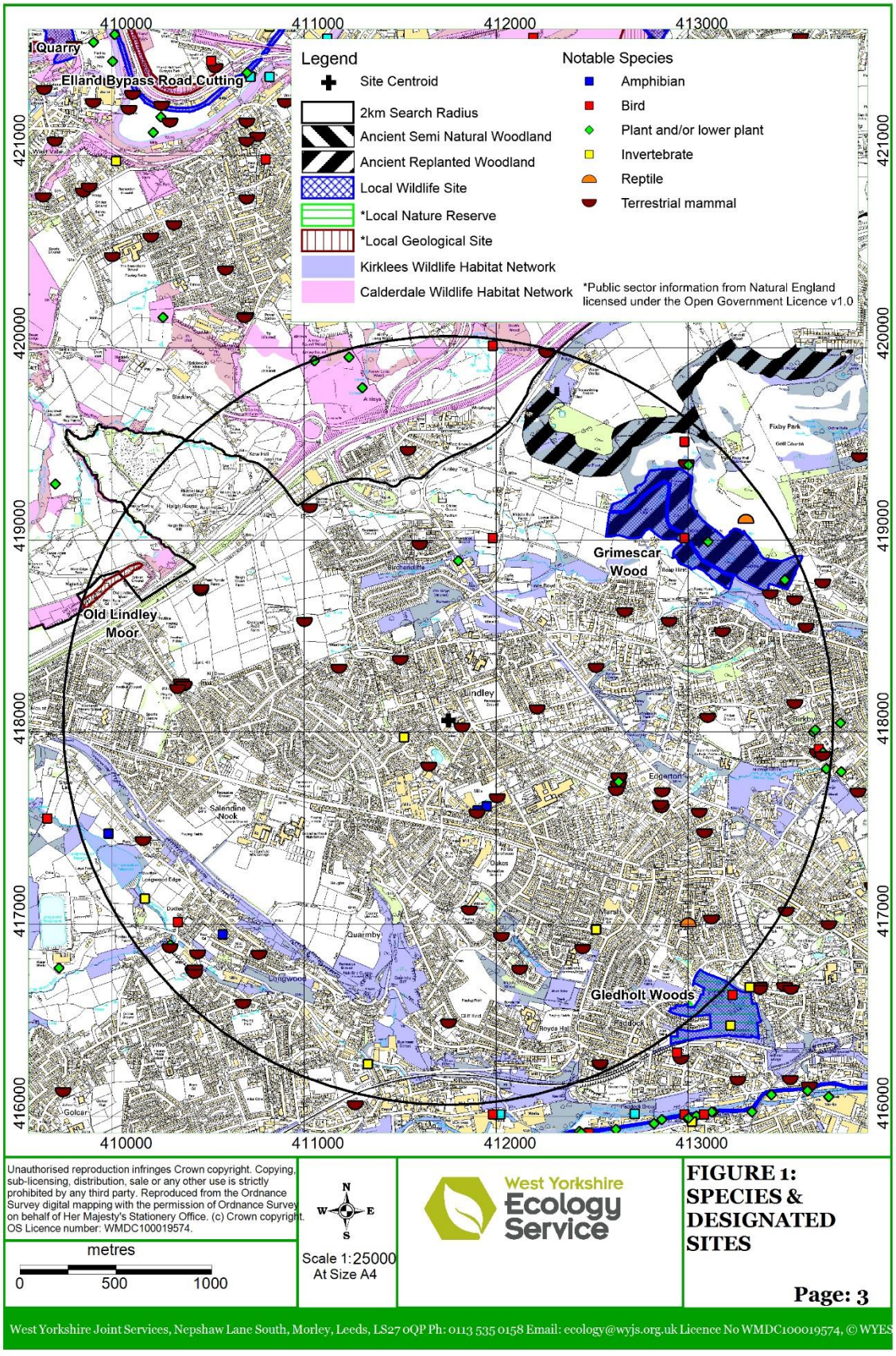
4.1 WILDLIFE HABITAT NETWORK

Your site centroid lies within / does not lie within the Kirklees Wildlife Habitat Network. See Figure 1 for Wildlife Habitat Network data.

4.2 ANCIENT WOODLAND

There is no Ancient Semi-natural Woodland/Ancient Replanted Woodland within 100m of your site centroid.

Figure 1 – Species and Designated Sites



Appendix A. Explanation of Species Designations

Wildlife and Countryside Act 1981 – main designations cited

Abbreviation	Full Name	Description	Offences include, but not limited to
Sch1_part1	Schedule 1, Part 1	Birds which are protected by special penalties at all times	• disturb any specially protected bird while it is building its nest; • disturb any specially protected bird while it is near a nest containing eggs or young; or • disturb the young of any of these birds before they are wholly independent.
Sch1_part2	Schedule 1, Part 2	Birds which are protected by special penalties during the close season	
Sch5	Schedule 5	Animals which are protected	• intentional or reckless killing, injuring, taking; • damage to, destruction of, obstruction of access to any structure or place used by a scheduled animal for shelter or protection; and • disturbance of animal occupying such a structure or place.
Sch5_sect9.1	Schedule 5, Section 9(1)	Animals which are protected from killing and/or taking	• intentional killing, injuring and/or taking NB: certain species are only partly protected by this section. Check primary legislation for details.
Sch5_sect9.5	Schedule 5, Section 9(5)	Animals which are protected from sale	• selling, offering for sale, possessing or transporting for the purpose of sale (live or dead animal, part or derivative); and • advertising for buying or selling such things
Sch8	Schedule 8	Plants which are fully protected	• pick, uproot, trade in, or possess (for the purposes of trade).
Sch8_sect 13.2 (sale only)	Schedule 8, Sections 13(2a+2b)	Plants which are protected from sale only	• selling, offering for sale, possessing or transporting for the purpose of sale, any plant (live or dead, part or derivative) + advertising for buying or selling such things
Sch9_part1	Schedule 9, Part 1	Animals which are established in the wild.	• the release of animals and planting of plants listed in Schedule 9. • the above offences can be made legal through the granting of licences by the appropriate authorities. NB: *Tyto alba* refers to captive bred only.
Sch9_part2	Schedule 9, Part 2	Plants which are established in the wild.	

Biodiversity Action Plans

Abbreviation	Full Name
UKBAP	UK Biodiversity Action Plan
WYBAP	West Yorkshire Priority Species List
Bradford BAP	Bradford Biodiversity Action Plan
Calderdale BAP	Calderdale Biodiversity Action Plan
Kirklees BAP	Kirklees Biodiversity Action Plan
Leeds BAP	Leeds Biodiversity Action Plan
Wakefield BAP	Wakefield Biodiversity Action Plan

Birds of Conservation Concern (BOCC) 2009

List	Description
Red	High conservation concern
Amber	Medium conservation concern

Red Data Book Categories (Based on ICUN Guidelines)

Abbreviation	Full Name
EX	Extinct
EW	Extinct in the Wild
CR	Critically Endangered
VU	Vulnerable
NT	Near Threatened
LC	Least Concern
DD	Data Deficient
NE	Not Evaluated

Nationally Notable Invertebrates:

Abbreviation	Full Name	Description
NR	Nationally Rare	found in 15 or fewer hectads
Notable or NS	Nationally Notable or Nationally Scarce	found in between 16 and 100 hectads
Notable A	Nationally Notable A	found in 16 to 30 hectads
Notable B	Nationally Notable B	found in between 31 and 100 hectads

Locally Notable Plants - Vice County 63 Local Red Data Book (VC63 LRDB):

The compilation of the Provisional Vascular Plant Red Data list for VC 63 has been undertaken utilising six separate selected categories to accommodate all taxa under consideration. These categories are: 1) Native Species; 2) Native Species Presumed Extinct in the VC; 3) Hybrids; 4) Archaeophytes; 5) Grey Area Species – Native or Introduced; and 6) Unconfirmed Species. The descriptions give VC 63 status of the species – (based on data collected during the past 40 years, and/or on observation/evidence). In all six categories, the checklist order follows (Stace, 2010).

Abbreviation:	Description
VC63 LRDB:Archaeophyte	Archaeophyte = species which became naturalised before 1500 AD.
VC63 LRDB:Casual only – Rare VC63 LRDB:Casual only – Scattered VC63 LRDB:Casual only – Very Rare VC63 LRDB:Introd. & Native – Occasional VC63 LRDB:Introduced – Rare VC63 LRDB:Introduced – Very Rare VC63 LRDB:Local VC63 LRDB:No Modern Records VC63 LRDB:Occasional VC63 LRDB:Planted – Very Rare	Casual = species unable to persist for more than c. 5 years, and therefore dependent on constant reintroduction.
VC63 LRDB:Presumed Extinct in VC63 VC63 LRDB:Rare VC63 LRDB:Scarce VC63 LRDB:Scattered	Extinct in VC63 = species for which no records have been received for around 20 years and which may now be presumed to be extinct in VC 63.
VC63 LRDB:Unconfirmed VC63 LRDB:Very Rare VC63 LRDB:Widespread	Unconfirmed = species which have been reported as occurring, but have never been confirmed.

References

Biodiversity Reporting and Information Group, (2007) *Report on the Species and Habitat Review*, UK Biodiversity Partnership. http://www.ukbap.org.uk/.

Bratton, J.H. (ed), (1991) *British Red Data Books: 3. Invertebrates other than insects*. JNCC, Peterborough.

BTO, et al (2009) *The Birds of Conservation Concern 3.* British Trust for Ornithology. http://www.bto.org/psob/index.htm.

Calderdale Biodiversity Action Plan Technical Group (2008) *Calderdale Local Biodiversity Plan: Review of Species and habitats*, Calderdale Biodiversity Action Plan Technical Group, Calderdale.

Cheffings, C. and Farrell, L. (Editors), (2005*) The Vascular Plant Red Data List for Great Britain*, ISSN 1473-0154.

City of Bradford MDC, (2003), *A Local Biodiversity Action Plan for the Bradford District (Draft)*, City of Bradford MDC, Bradford.

IUCN, (2004) *Guidelines for using the IUCN. Red List categories and criteria*. IUCN,. Gland and Cambridge

J. C. Lavin & G.T.D. Wilmore (1994) , The West Yorkshire Plant Atlas, City of Bradford Metropolitan Council, Bradford.

Kirklees Metropolitan Council (2008) *Kirklees Biodiversity Action Plan*, Kirklees Metropolitan Council, Kirklees.

Leeds BAP Steering Group, (2000) *Biodiversity Action Plan For Leeds*, Leeds City Council, Leeds.

Shirt, D. B. (Ed.), (1987) *British Red Data Books : 2 : Insects.* Peterborough: NCC.

Wakefield Biodiversity Group, (2001) *Wakefield District Local Biodiversity Report*, Wakefield MDC, Wakefield.

West Yorkshire Biodiversity Action Partnership (2009), *West Yorkshire Priority Species List*, West Yorkshire Ecology, Wakefield.

Wilmore, G.T.D. (2012), A PROVISIONAL VASCULAR PLANT RED DATA LIST FOR VC 63 (S.W. YORKSHIRE) - An Evaluation of Current Status.

Wilmore, G.T.D. (1997) Rare and Scarce Plants Documentation in VC 63 (South-West Yorkshire), BSBI News 77 – 23-27.

Appendix B. Explanation of Designated Sites

Internationally Designated Sites

Special Protection Areas (SPA)
SPA are European designated sites. They are identified by JNCC/Natural England as being of interest for their bird populations. They are of international importance and have statutory protection.

Special Areas of Conservation (SAC)
SAC are European designated sites. They are identified by JNCC/Natural England as being of interest for their habitat type and species. They are of international importance and have statutory protection.

Nationally Designated Sites

Sites of Special Scientific Interest (SSSI)
SSSI are first-tier sites for conservation. They are areas identified by Natural England as being of interest by reason of their flora, fauna, geological or physiological features. They are of national importance and have statutory protection.

Locally Designated Sites

Local Wildlife Sites (LWS)
This is the *new* term for locally designated sites being adopted across West Yorkshire. Districts are currently going through a process of merging *old* designated nature conservation sites (Sites of Ecological or Geological Importance (SEGI), Sites of Scientific Interest (SSI), Bradford Wildlife Areas (BWA), Leeds Nature Areas (LNA), Kirklees Sites of Wildlife Significance (SWS) and Wakefield Nature Areas (WNA)) into a single Local Wildlife Site (LWS) designation. Sites should be given the same protection as SEGIs/SSIs as set out in UDPs/LDFs. Please refer to the link below for the West Yorkshire Local Wildlife Site Selection Criteria.
https://www.wyjs.org.uk/media/69997/20190509-wy-local-sites-selection-criteria-09-may-2019-rm.docx

Local Nature Reserves (LNR)
LNR's are statutory sites of district-wide importance for the enjoyment, study or conservation of wildlife, geological features and landforms, but there is seldom detailed ecological information on record for them. For more information on LNRs see https://designatedsites.naturalengland.org.uk/SiteSearch.aspx

Local Geological Sites (LGS)
LGS are areas identified as being important for their geological features. More details of this or other LGS sites can be obtained from the West Yorkshire Geology Trust (team@wyorksgeologytrust.org).

Wildlife Habitat Network

The Wildlife Habitat Network aims to meet the requirements of paragraph 114 of the National Planning Policy Framework for Conserving and enhancing the natural environment - Local planning authorities should: “set out a strategic approach in their Local Plans, planning positively for the creation, protection, enhancement and management of networks of biodiversity and green infrastructure”.

Kirklees

Wildlife Habitat Network data for Kirklees can be found on the link below:
http://consult.kirklees.gov.uk/portal/dlp_pol?pointId=s1442851813908

NE5 development proposals involving land identified on the proposals map as part of a wildlife corridor should make provision for the retention of the corridor and the protection of the wildlife value of the land.

Appendix C. Designated Site Citations

Please see the accompanying folder for all of the site citations.

Appendix D. Explanation to the supply of badger data

WYES have recently changed the way we display badger records in data searches due to the sensitivity of the records. We have created a 'zone' showing the increased probability of badger activity in an area. We have done this by taking badger records and putting a buffer of 837m (the square root of the average badger territory from Badger (Michael Clark) Whittet Books – 70ha) around each record. This then shows a zone of the increased probability of badger activity across West Yorkshire. If there are badger records within 200m of the site centroid/boundary, a more detailed confidential badger report showing the badger records will be mapped and a spreadsheet with details of each record will be provided. If there are no sett records within 200m, we will supply the distance to the nearest known sett record if within the 2km. The records do not contain the grid reference, but do include a calculated distance from the site centroid/boundary.

This increased probability zone information is to be used to help ecological consultants justify the need for full badger surveys. We would expect them to:

a) See if the site falls within the "likely probability of badger activity" zone.
b) Assess the habitat as part of the Preliminary Ecological Assessment.
c) Use the 200m buffer detailed record information to try to locate all known setts.
d) Recommend a more detailed survey if required.
e) Undertake a full badger survey if required, assess habitat resource within likely territory and potential impact on any setts.
f) Recommend mitigation and habitat enhancement.

Appendix E. Species Records

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE100175	Common Toad	Bufo bufo	amphibian	2009	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2009	field record		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2008	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2008	field record		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2007	field record		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2007	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2006	dead on road		Sch5_sect9.5b; UKBAP;	1833

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
							WYBAP; Kirklees BAP	
SE100175	Common Toad	Bufo bufo	amphibian	2006	field record		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2005	field record		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2005	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2004	field record		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2004	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2003	field record		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2003	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2002	field record		Sch5_sect9.5b; UKBAP;	1833

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
							WYBAP; Kirklees BAP	
SE100175	Common Toad	Bufo bufo	amphibian	2002	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2001	field record	40 Count	Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2001	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2000	field record	200 Count	Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	2000	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	1999	field record	200 Count	Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	1999	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	1998	field record	200 Count	Sch5_sect9.5b; UKBAP;	1833

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
							WYBAP; Kirklees BAP	
SE100175	Common Toad	Bufo bufo	amphibian	1998	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	1997	field record	100 Count	Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	1997	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	1996	field record	100 Count	Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE100175	Common Toad	Bufo bufo	amphibian	1996	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1833
SE11921762	Common Frog	Rana temporaria	amphibian	19/06/2003	Torching	2 Count of Adult	Sch5_sect9.5b; WYBAP	471
SE11971764	Common Frog	Rana temporaria	amphibian	19/06/2003	Torching	6 Count of Larvae	Sch5_sect9.5b; WYBAP	474
SE100175	Common Frog	Rana temporaria	amphibian	2009	field record		Sch5_sect9.5b; WYBAP	1833
SE100175	Common Frog	Rana temporaria	amphibian	2008	field record		Sch5_sect9.5b; WYBAP	1833
SE100175	Common Frog	Rana temporaria	amphibian	2007	field record		Sch5_sect9.5b; WYBAP	1833

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE100175	Common Frog	Rana temporaria	amphibian	2006	field record		Sch5_sect9.5b; WYBAP	1833
SE100175	Common Frog	Rana temporaria	amphibian	2005	field record		Sch5_sect9.5b; WYBAP	1833
SE100175	Common Frog	Rana temporaria	amphibian	2004	field record		Sch5_sect9.5b; WYBAP	1833
SE100175	Common Frog	Rana temporaria	amphibian	2003	field record		Sch5_sect9.5b; WYBAP	1833
SE100175	Common Frog	Rana temporaria	amphibian	2002	field record		Sch5_sect9.5b; WYBAP	1833
SE100175	Common Frog	Rana temporaria	amphibian	2001	field record		Sch5_sect9.5b; WYBAP	1833
SE100175	Common Frog	Rana temporaria	amphibian	2000	field record		Sch5_sect9.5b; WYBAP	1833
SE100175	Common Frog	Rana temporaria	amphibian	1999	field record		Sch5_sect9.5b; WYBAP	1833
SE100175	Common Frog	Rana temporaria	amphibian	1998	field record		Sch5_sect9.5b; WYBAP	1833
SE100175	Common Frog	Rana temporaria	amphibian	1997	field record		Sch5_sect9.5b; WYBAP	1833
SE100175	Common Frog	Rana temporaria	amphibian	1996	field record		Sch5_sect9.5b; WYBAP	1833
SE1059316974	Palmate Newt	Triturus helveticus	amphibian	19/04/2010	field record		Sch5_sect9.5b; WYBAP	1584
SE1059316974	Palmate Newt	Triturus helveticus	amphibian	26/05/2008	field record		Sch5_sect9.5b; WYBAP	1584
SE1219	Skylark	Alauda arvensis	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	972
SE1219	Tree Pipit	Anthus trivialis	bird	1970 - 1988	field record		BoCC:Red; UKBAP;	972

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
							WYBAP; Kirklees BAP	
SE1220	Purple Sandpiper	Calidris maritima	bird	1970 - 1988	field record		Sch1_part1; BoCC:Amber	1955
SE1219	Nightjar	Caprimulgus europaeus	bird	1970 - 1988	field record		BoCC:Amber UKBAP; WYBAP	972
SE1219	Goldfinch	Carduelis carduelis	bird	1970 - 1988	field record		Kirklees BAP	972
SE1219	Redpoll	Carduelis flammea	bird	1970 - 1988	field record		BoCC:Amber	972
SE1219	Stock Dove	Columba oenas	bird	1970 - 1988	field record		BoCC:Amber	972
SE1219	Cuckoo	Cuculus canorus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP	972
SE1219	Lesser Spotted Woodpecker	Dendrocopos minor	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP	972
SE130195	Lesser Spotted Woodpecker	Dendrocopos minor	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP	1904
SE1219	Yellowhammer	Emberiza citrinella	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP	972
SE1219	Reed Bunting	Emberiza schoeniclus	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	972
SE1219	Kestrel	Falco tinnunculus	bird	1970 - 1988	field record		BoCC:Amber; WYBAP; Kirklees BAP	972

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE130195	Kestrel	Falco tinnunculus	bird	1970 - 1988	field record		BoCC:Amber; WYBAP; Kirklees BAP	1904
SE1219	Pied Flycatcher	Ficedula hypoleuca	bird	1970 - 1988	field record		BoCC:Red	972
SE1219	Brambling	Fringilla montifringilla	bird	1970 - 1988	field record		Sch1_part1	972
SE130195	Brambling	Fringilla montifringilla	bird	1970 - 1988	field record		Sch1_part1	1904
SE1219	Snipe	Gallinago gallinago	bird	1970 - 1988	field record		BoCC:Amber; Kirklees BAP	972
SE1219	Swallow	Hirundo rustica	bird	1970 - 1988	field record		WYBAP; Kirklees BAP	972
SE130195	Swallow	Hirundo rustica	bird	1970 - 1988	field record		WYBAP; Kirklees BAP	1904
SE1219	Corn Bunting	Miliaria calandra	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	972
SE1219	Grey Wagtail	Motacilla cinerea	bird	1970 - 1988	field record		BoCC:Red	972
SE130195	Grey Wagtail	Motacilla cinerea	bird	1970 - 1988	field record		BoCC:Red	1904
SE1219	Yellow Wagtail	Motacilla flava subsp. flavissima	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP	972
SE1219	Spotted Flycatcher	Muscicapa striata	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	972
SE1219	Wheatear	Oenanthe oenanthe	bird	1970 - 1988	field record		BoCC:Amber	972

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1219	Willow Tit	Parus montanus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	972
SE1219	House Sparrow	Passer domesticus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	972
SE130195	House Sparrow	Passer domesticus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1904
SE1219	Tree Sparrow	Passer montanus	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	972
SE1219	Grey Partridge	Perdix perdix	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	972
SE1219	Redstart	Phoenicurus phoenicurus	bird	1970 - 1988	field record		BoCC:Amber	972
SE130195	Redstart	Phoenicurus phoenicurus	bird	1970 - 1988	field record		BoCC:Amber	1904
SE1219	Wood Warbler	Phylloscopus sibilatrix	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	972
SE130195	Wood Warbler	Phylloscopus sibilatrix	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1904

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE1219	Willow Warbler	Phylloscopus trochilus	bird	1970 - 1988	field record		BoCC:Amber	972
SE130195	Willow Warbler	Phylloscopus trochilus	bird	1970 - 1988	field record		BoCC:Amber	1904
SE1219	Green Woodpecker	Picus viridis	bird	1970 - 1988	field record		BoCC:Amber	972
SE130195	Green Woodpecker	Picus viridis	bird	1970 - 1988	field record		BoCC:Amber	1904
SE1219	Dunnock	Prunella modularis	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	972
SE130195	Dunnock	Prunella modularis	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1904
SE137179	Dunnock	Prunella modularis	bird	10/08/2005	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1951
SE1219	Bullfinch	Pyrrhula pyrrhula	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	972
SE130195	Bullfinch	Pyrrhula pyrrhula	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	1904
SE1219	Woodcock	Scolopax rusticola	bird	1970 - 1988	field record		BoCC:Red; Kirklees BAP	972
SE1219	Tawny Owl	Strix aluco	bird	1970 - 1988	field record		BoCC:Amber	972

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE130195	Tawny Owl	Strix aluco	bird	1970 - 1988	field record		BoCC:Amber	1904
SE1219	Starling	Sturnus vulgaris	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	972
SE130195	Starling	Sturnus vulgaris	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1904
SE137179	Starling	Sturnus vulgaris	bird	10/08/2005	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1951
SE1219	Whitethroat	Sylvia communis	bird	1970 - 1988	field record		BoCC:Amber	972
SE1219	Redwing	Turdus iliacus	bird	1970 - 1988	field record		Sch1_part1; BoCC:Red	972
SE130195	Redwing	Turdus iliacus	bird	1970 - 1988	field record		Sch1_part1; BoCC:Red	1904
SE1219	Song Thrush	Turdus philomelos	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	972
SE1036017000	Song Thrush	Turdus philomelos	bird	04/05/2000 - 20/06/2000	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1745
SE130195	Song Thrush	Turdus philomelos	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1904

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SE1219	Fieldfare	Turdus pilaris	bird	1970 - 1988	field record		Sch1_part1; BoCC:Red	972
SE130195	Fieldfare	Turdus pilaris	bird	1970 - 1988	field record		Sch1_part1; BoCC:Red	1904
SE1219	Mistle Thrush	Turdus viscivorus	bird	1970 - 1988	field record		BoCC:Red	972
SE130195	Mistle Thrush	Turdus viscivorus	bird	1970 - 1988	field record		BoCC:Red	1904
SE1219	Hoopoe	Upupa epops	bird	1970 - 1988	field record		Sch1_part1	972
SE1319	Hoopoe	Upupa epops	bird	1970 - 1988	field record		Sch1_part1	1561
SE11311630	Signal Crayfish	Pacifastacus leniusculus	crustacean	19/07/2010	field record	10+ Count	Sch9_part1	1813
SE11311630	Signal Crayfish	Pacifastacus leniusculus	crustacean	19/07/2010	field record	10+ Count	Sch9_part1	1813
SE10151716	Signal Crayfish	Pacifastacus leniusculus	crustacean	19/07/2010	field record		Sch9_part1	1832
SE10151716	Signal Crayfish	Pacifastacus leniusculus	crustacean	19/07/2010	field record		Sch9_part1	1832
SE130194	Narrow-Leaved Water-Plantain	Alisma lanceolatum	flowering plant	Unknown	field record		VC63 LRDB:Occasional	1830
SE137179	Meadow Thistle	Cirsium dissectum	flowering plant	10/08/2005	field record		VC63 LRDB:Presumed Extinct in VC63	1951
SE13661802	Canadian Waterweed	Elodea canadensis	flowering plant	10/08/2005	field record		Sch9_part2	1905
SE118189	Japanese Knotweed	Fallopia japonica	flowering plant	28/04/2011	field record		Sch9_part2	841

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SE103169	Japanese Knotweed	Fallopia japonica	flowering plant	21/03/2018	field record	1 Count	Sch9_part2	1853
SE1364918008	Japanese Knotweed	Fallopia japonica	flowering plant	10/08/2005	field record		Sch9_part2	1894
SE1371617816	Japanese Knotweed	Fallopia japonica	flowering plant	10/08/2005	field record		Sch9_part2	1976
SE137179	Meadow Barley	Hordeum secalinum	flowering plant	10/08/2005	field record		VC63 LRDB:Occasional	1951
SE131190	Bluebell	Hyacinthoides non-scripta	flowering plant	10/05/2013	field record	d Count of DAFOR	Sch8_sect 13.2; Kirklees BAP	1642
SE113198	Bluebell	Hyacinthoides non-scripta	flowering plant	16/05/2006	field record	f Count of DAFOR	Sch8_sect 13.2	1796
SE135188	Bluebell	Hyacinthoides non-scripta	flowering plant	16/10/1986	field record	Frequent Range of DAFOR	Sch8_sect 13.2; Kirklees BAP	1895
SE131190	Indian Balsam	Impatiens glandulifera	flowering plant	10/05/2013	field record	r Count of DAFOR	Sch9_part2	1642
SE135188	Indian Balsam	Impatiens glandulifera	flowering plant	16/10/1986	field record	Rare Range of DAFOR	Sch9_part2	1895
SE1123019960	Indian Balsam	Impatiens glandulifera	flowering plant	14/07/2008	field record	R Range of DAFOR	Sch9_part2	1969
SE1263517748	Rhododendron	Rhododendron ponticum	flowering plant	23/09/2008	field record		Sch9_part2	936
SE131190	Rhododendron	Rhododendron ponticum	flowering plant	10/05/2013	field record	o Count of DAFOR	Sch9_part2	1642
SE103169	Rhododendron	Rhododendron ponticum	flowering plant	21/03/2018	field record	1 Count	Sch9_part2	1853
SE135188	Rhododendron	Rhododendron ponticum	flowering plant	16/10/1986	field record	Occasional Range of DAFOR	Sch9_part2	1895

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SE115180	Musk Beetle	Aromia moschata	insect - beetle (Coleoptera)	Unknown	field record		Notable:B	256
SE125170	Poplar Borer	Saperda carcharias	insect - beetle (Coleoptera)	Unknown	field record		Notable:A	1297
SE1317	Grass Snake	Natrix natrix	reptile	1889	field record		Sch5_sect9.1 (part) & 9.5; UKBAP; WYBAP; Kirklees BAP	1636
SE133191	Grass Snake	Natrix natrix	reptile	1936	field record		Sch5_sect9.1 (part) & 9.5; UKBAP; WYBAP; Kirklees BAP	1863
SE10341825	Unidentified Bat	Myotis	terrestrial mammal	21/08/2018	foraging	1 Count	Sch5	1419
SE10361828	Whiskered Bat	Myotis mystacinus	terrestrial mammal	06/08/2018	field record		Sch5; WYBAP; Kirklees BAP	1403
SE10341825	Whiskered Bat	Myotis mystacinus	terrestrial mammal	06/08/2018	in flight	1 Count	Sch5; WYBAP; Kirklees BAP	1419
SE1355418171	Whiskered Bat	Myotis mystacinus	terrestrial mammal	Aug-06	in building	1 Count of Adult	Sch5; WYBAP; Kirklees BAP	1802
SE119176	Leisler's Bat	Nyctalus leisleri	terrestrial mammal	22/07/2003 - 23/07/2003	field record		Sch5; WYBAP; Kirklees BAP	484
SE13121705	Leisler's Bat	Nyctalus leisleri	terrestrial mammal	28/07/2015	foraging	1 Count	Sch5; WYBAP; Kirklees BAP	1699
SE1252018361	Noctule	Nyctalus noctula	terrestrial mammal	22/05/2017	field record	1 Count	Sch5; UKBAP; WYBAP; Kirklees BAP	825

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SE110186	Noctule	Nyctalus noctula	terrestrial mammal	24/08/2010	field record		Sch5; UKBAP; WYBAP; Kirklees BAP	922
SE110186	Noctule	Nyctalus noctula	terrestrial mammal	15/07/2010	field record		Sch5; UKBAP; WYBAP; Kirklees BAP	922
SE116190	Noctule	Nyctalus noctula	terrestrial mammal	16/08/2018	in flight		Sch5; UKBAP; WYBAP; Kirklees BAP	951
SE10361828	Noctule	Nyctalus noctula	terrestrial mammal	06/08/2018	field record		Sch5; UKBAP; WYBAP; Kirklees BAP	1403
SE10341825	Noctule	Nyctalus noctula	terrestrial mammal	21/08/2018	foraging	1 Count	Sch5; UKBAP; WYBAP; Kirklees BAP	1419
SE1361218569	Noctule	Nyctalus noctula	terrestrial mammal	Sep-14	foraging		Sch5; UKBAP; WYBAP; Kirklees BAP	1925
SE1212116789	Pipistrellus	Pipistrellus	terrestrial mammal	29/07/2019	Roost (maternity)	1 Count of Present	Sch5	1323
SE1015917459	Pipistrellus	Pipistrellus	terrestrial mammal	27/10/2000	Roost		Sch5	1696
SE115184	Common Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	14/07/2003	field record		Sch5; WYBAP; Kirklees BAP	421
SE1200417682	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	23/07/2003	Roost (possible)		Sch5; WYBAP; Kirklees BAP	455
SE1221318145	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	01/07/2013	field record		Sch5; WYBAP; Kirklees BAP	469
SE119176	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	22/07/2003	field record	8-10 Count of Adult	Sch5; WYBAP; Kirklees BAP	484
SE119176	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	20/06/2003	field record	1 Count of Adult	Sch5; WYBAP; Kirklees BAP	484

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SE119176	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	19/06/2003	field record	10 Count of Adult	Sch5; WYBAP; Kirklees BAP	484
SE1118018355	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	01/09/2013	field record		Sch5; WYBAP; Kirklees BAP	640
SE1252018361	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	22/05/2017	field record	2 Count	Sch5; WYBAP; Kirklees BAP	825
SE110186	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	24/08/2010	field record		Sch5; WYBAP; Kirklees BAP	922
SE110186	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	15/07/2010	field record		Sch5; WYBAP; Kirklees BAP	922
SE1263817790	Common Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	23/09/2008	Roost		Sch5; WYBAP; Kirklees BAP	926
SE1263817789	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	01/07/2013	field record		Sch5; WYBAP; Kirklees BAP	926
SE1263817789	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	03/06/2009	Roost	2 Count	Sch5; WYBAP; Kirklees BAP	926
SE1263817789	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	03/06/2009	Roost		Sch5; WYBAP; Kirklees BAP	926
SE1263817789	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	24/09/2008	Roost		Sch5; WYBAP; Kirklees BAP	926
SE1263817789	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	24/09/2008	Roost		Sch5; WYBAP; Kirklees BAP	926
SE1264017784	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	03/06/2009	Roost	1 Count	Sch5; WYBAP; Kirklees BAP	929
SE1263517748	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	24/09/2008	aural bat detector		Sch5; WYBAP; Kirklees BAP	936
SE1262517719	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	24/09/2008	aural bat detector	2 Count	Sch5; WYBAP; Kirklees BAP	937
SE116190	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	16/08/2018	foraging		Sch5; WYBAP; Kirklees BAP	951
SE12671865	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	05/12/2018	Roost (hibernation)		Sch5; WYBAP; Kirklees BAP	1091

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SE1202616959	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	28/05/2009	field record		Sch5; WYBAP; Kirklees BAP	1134
SE129186	Common Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	27/02/2013	Roost		Sch5; WYBAP; Kirklees BAP	1267
SE129186	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	27/02/2013	Roost		Sch5; WYBAP; Kirklees BAP	1267
SE1102719192	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	01/06/2013	field record	2 Count	Sch5; WYBAP; Kirklees BAP	1342
SE131181	Common Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	14/07/2008	aural bat detector		Sch5; WYBAP; Kirklees BAP	1347
SE1305617604	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	06/08/2010	field record		Sch5; WYBAP; Kirklees BAP	1380
SE1037418265	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	21/08/2018	Roost	1 Count	Sch5; WYBAP; Kirklees BAP	1387
SE1037418265	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	21/08/2018	Roost	1 Count	Sch5; WYBAP; Kirklees BAP	1387
SE1037118268	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	06/08/2018	Roost	1 Count	Sch5; WYBAP; Kirklees BAP	1391
SE1037118268	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	06/08/2018	Roost	1 Count	Sch5; WYBAP; Kirklees BAP	1391
SE10341825	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	21/08/2018	foraging	2 Count	Sch5; WYBAP; Kirklees BAP	1419
SE10341825	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	06/08/2018	foraging	1 Count	Sch5; WYBAP; Kirklees BAP	1419
SE1046018761	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	30/06/2009	Roost (transitional)		Sch5; WYBAP; Kirklees BAP	1465
SE10461877	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	30/06/2009	field record	3 Count	Sch5; WYBAP; Kirklees BAP	1469
SE1317718546	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	2006	Roost		Sch5; WYBAP; Kirklees BAP	1504
SE1175116509	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	01/05/2011	field record		Sch5; WYBAP; Kirklees BAP	1550

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SE1044316869	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	18/07/2018	Roost	1 Count	Sch5; WYBAP; Kirklees BAP	1765
SE1042816790	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	23/07/2018	Roost	1 Count	Sch5; WYBAP; Kirklees BAP	1830
SE1042016780	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	23/07/2018	Roost	1 Count	Sch5; WYBAP; Kirklees BAP	1843
SE1042916767	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	23/07/2018	Roost	2 Count	Sch5; WYBAP; Kirklees BAP	1846
SE1367217916	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	19/09/2005	Roost		Sch5; WYBAP; Kirklees BAP	1922
SE1361218569	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	Sep-14	foraging		Sch5; WYBAP; Kirklees BAP	1925
SE137179	Pipistrelle	Pipistrellus pipistrellus	terrestrial mammal	Sep-05	field record	7 Count	Sch5; WYBAP; Kirklees BAP	1951
SE11821805	Pipistrelle Bat species	Pipistrellus sp.	terrestrial mammal	07/07/2005	field record	8 Count of Adult	Sch5	71
SE1185917097	Pipistrelle Bat species	Pipistrellus sp.	terrestrial mammal	07/09/2006	in building	1 Count of Adult	Sch5	969
SE1285417647	Pipistrelle Bat species	Pipistrellus sp.	terrestrial mammal	10/07/2007	Roost		Sch5	1176
SE1317718546	Pipistrelle Bat species	Pipistrellus sp.	terrestrial mammal	27/07/2006	Roost (excluded)		Sch5	1504
SE1254116297	Pipistrelle Bat species	Pipistrellus sp.	terrestrial mammal	07/06/2004	Roost	45 Count of Adult	Sch5	1931
SE119176	Brown Long-Eared Bat	Plecotus auritus	terrestrial mammal	22/07/2003	field record	1 Count of Adult	Sch5; UKBAP; WYBAP; Kirklees BAP	484
SE103169	Grey Squirrel	Sciurus carolinensis	terrestrial mammal	21/03/2018	field record	1 Count	Sch9_part1	1853
SE1164817846	Vesper Bat species	Vespertilionidae	terrestrial mammal	08/01/2003	Roost	1 Count of Adult	Sch5	237

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SE1286317713	Vesper Bat species	Vespertilionidae	terrestrial mammal	21/06/2006	in building	1 Count of Adult	Sch5	1163
SE12861763	Bats	Vespertilionidae	terrestrial mammal	2007	in building		Sch5	1187
SE1244916896	Vesper Bat species	Vespertilionidae	terrestrial mammal	10/07/2004	Roost (possible)	5 Count of Adult	Sch5	1356
SE1308517500	Bats	Vespertilionidae	terrestrial mammal	1995	in building		Sch5	1444
SE11541949	Vespertilionidae	Vespertilionidae	terrestrial mammal	2017	field observation		Sch5	1445
SE1076416867	Bats	Vespertilionidae	terrestrial mammal	1993	Roost		Sch5	1546
SE1015917458	Vesper Bat species	Vespertilionidae	terrestrial mammal	12/08/2007	Roost (excluded)		Sch5	1697
SE10681661	Vesper Bat species	Vespertilionidae	terrestrial mammal	30/06/2005	Grounded	1 Count of Juvenile	Sch5	1800
SE1342718744	Vesper Bat species	Vespertilionidae	terrestrial mammal	17/07/2007	Roost (possible)	1 Count of Juvenile; 3 Count of Adult	Sch5	1807
SE1298819421	Vespertilionidae	Vespertilionidae	terrestrial mammal	10/05/2017	None		Sch5	1837
SE1355418712	Vesper Bat species	Vespertilionidae	terrestrial mammal	02/04/2001	Roost		Sch5	1913
SE1254116292	Bats	Vespertilionidae	terrestrial mammal	2004	Roost		Sch5	1935