

Land off New Hey Road,  
Huddersfield

**Preliminary Ecological Appraisal**

August 2018

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# 1 Introduction

- 1.1.1.1 This report presents the results of a Preliminary Ecological Appraisal undertaken on land at New Hey Road, Outlane, Huddersfield, HD3 3YJ. The site (see Figure 1) extends to approximately 0.6 hectares and is centred at approximate grid reference SE08811811.
- 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 15<sup>th</sup> August 2018 by Toby Fisher MCIEEM CEnv. A desk-based study was also undertaken to obtain existing ecological records for the site and the surrounding area.

**Figure 1. Site location outlined in red (aerial imagery dated 2016)**



## 2 Methodology

### 2.1 Desk Study

2.1.1.1 West Yorkshire Ecology Service (WYES) was contacted for searches 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 2016).

### 2.2 Personnel

2.2.1.1 The Preliminary Ecological Appraisal survey was undertaken by Toby Fisher CEnv MCIEEM<sup>1 2</sup>.

### 2.3 Preliminary Ecological Field Survey

2.3.1.1 A Preliminary Ecological Appraisal of the site was conducted on 15<sup>th</sup> August 2018 by Toby Fisher CEnv MCIEEM in accordance with the standard survey methodology<sup>3 4</sup>.

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.

2.3.1.3 The building within the site was fully inspected internally and externally for evidence of bats and for potential bat roost features.

### 2.4 Limitations

2.4.1.1 The 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 18°C with good visibility. There were no access restrictions or limitations to the survey.

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<sup>1</sup> Natural England Class Licence Registration No. 2015-10756-CLS-CLS - CL18 Level 2 (Bats).

<sup>2</sup> Natural England Class Licence Registration No. WML- CL08:2015-16681-CLS-CLS (Great Crested Newts).

<sup>3</sup> JNCC, (2010), Handbook for Phase 1 habitat survey - a technique for environmental audit, ISBN 0 86139 636 7.

<sup>4</sup> 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 WYES confirmed that there are no internationally / nationally protected sites within 2 km of the site.

#### 3.1.2 Locally Designated Sites

3.1.2.1 WYES confirmed the presence of 3 locally designated sites within 2 km of the site. Two of these sites are geological sites and are therefore not of direct relevance to this assessment. One Local Wildlife Site is located within 2 km of the study site.

- Shaw Wood Local Wildlife Site (LWS) is located approximately 380 metres south of the site.

#### 3.1.3 Habitat Network

3.1.3.1 There are several areas within 2 km of the site which are identified as part of Calderdale / Kirklees Wildlife Habitat Network (CWHN / KWHN). The nearest such area is part of the CWHN approximately 45 metres north-north-east of the site.

#### 3.1.4 Habitats

3.1.4.1 An area of Ancient Semi-Natural Woodland is located approximately 260 metres west of the site at Gosport Clough.

#### 3.1.5 Species Records

##### Amphibians

3.1.5.1 Numerous records of common toad and common frog but none within 1 km of the site.

##### Birds

3.1.5.2 Multiple records (none from within 500 metres of the site) including: Skylark, Kingfisher, Pintail, Mallard, Meadow Pipit, Linnet, Goldfinch, Stock Dove, Cuckoo, House Martin, Yellowhammer, Kestrel, Snipe, Swallow, Grey Wagtail, Spotted Flycatcher, Wheatear, House Sparrow, Tree Sparrow, Willow Warbler, Green Woodpecker, Dunnock, Bullfinch, Starling, Song Thrush, Fieldfare, Mistle Thrush and Lapwing.

##### Invertebrates

3.1.5.3 Two records of notable invertebrates but none within 1 km of the site.

##### Reptiles

3.1.5.4 Two records of adder dated 2008 from approximately 1.4 km south of the site.

##### Bats

3.1.5.5 WYES provided 16 records of bats within 2 km of the site comprising the following species: Whiskered Bat, Common Pipistrelle, Pipistrelle, Soprano Pipistrelle, Brown Long-Eared Bat and Vesper Bat species. 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 (roost and droppings) dated 12/09/2012 from SE0895218236 approximately 125 metres north-east of the site.
- Two Pipistrelles and one Brown Long-Eared Bat (foraging) dated May 2014 at SE0919618060 approximately 340 metres east of the site.

Other species

- 3.1.5.6 Several records of hedgehog but none within 1 km of the site. No records of badger or reptiles.

**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 255 metres above sea level. The landform is broadly flat.

- 3.2.1.2 The site is bordered to the north-east by pasture; to the east by derelict grassland, ruderal and hard standing with pasture beyond; to the south by the A640 New Hey Road with houses beyond; to the west by houses; and to the north-west by Mulehouse Lane with pasture beyond.

**3.2.2 Habitats**

Bare ground and hard standing

- 3.2.2.1 An area of well-maintained hard standing in the southern part of the site is devoid of vegetation. Elsewhere in the site, former areas of hard standing have been colonised by a range of common species typical of poor thin soils such as creeping bent *Agrostis stolonifera*, Yorkshire fog *Holcus lanatus*, red fescue *Festuca rubra*, rosebay willowherb *Chamerion angustifolium*, ribwort plantain *Plantago lanceolata*, greater plantain *Plantago major*, bird's-foot trefoil *Lotus corniculatus*, red clover *Trifolium pratense*, perforate St John's-wort *Hypericum perforatum*, field horsetail *Equisetum arvense*, fox-and-cubs *Pilosella aurantiaca* and ragwort *Senecio jacobaea*.

Building

- 3.2.2.2 The building on the site is largely devoid of vegetation except for plants growing beneath damaged roof lights including hart's-tongue fern *Asplenium scolopendrium*, broad-leaved willowherb *Epilobium montanum*, buckler fern *Dryopteris dilatata*, elder *Sambucus nigra* and goat willow *Salix caprea*.

Tall ruderal

- 3.2.2.3 Tall ruderal in the site comprises rosebay willowherb, common nettle *Urtica dioica*, false oat-grass *Arrhenatherum elatius*, bramble *Rubus fruticosus* agg., hedge bindweed *Calystegia sepium*, ragwort and creeping thistle *Cirsium arvense*.

Semi-improved grassland

- 3.2.2.4 Semi-improved grassland has become established between the areas of hard standing and scrub in the northern part of the site. The grassland is unmown. Species present include Yorkshire fog, red fescue, false oat-grass *Arrhenatherum elatius*, dandelion *Taraxacum officinale* agg, rosebay willowherb, ragwort, common nettle, bramble, red clover *Trifolium pratense*, weld *Reseda lutea*, broad-leaved dock *Rumex obtusifolius*, hogweed *Heracleum sphondylium*, field horsetail, perennial sow-thistle *Sonchus arvensis*, soft rush *Juncus effusus*, ribwort plantain, greater willowherb *Epilobium hirsutum* and meadow vetchling *Lathyrus pratensis*.

Scrub

- 3.2.2.5 Scrub within the site comprises dense bramble along with goat willow *Salix caprea* and occasional hawthorn *Crataegus monogyna*, elder and sycamore *Acer pseudoplatanus*.

Broad-leaved trees

- 3.2.2.6 A small number of trees are present in the site; dominated by self-seeded goat willow along with occasional sycamore.

Hedgerow

- 3.2.2.7 A garden hedgerow along the site's western boundary comprises cherry laurel *Prunus laurocerasus*.

### Invasive weeds

- 3.2.2.8 One species listed on Schedule 9 of the Wildlife and Countryside Act 1981 (as amended) is present at the site; Himalayan cotoneaster *Cotoneaster simonsii* (see Figure 2). One small plant is present in the extreme south-eastern part of the site.

### 3.2.3 *Birds*

- 3.2.3.1 A limited range of birds was observed during the survey. Species observed within the site included blue tit, robin and woodpigeon.
- 3.2.3.2 Species of Principal Importance for the conservation of biodiversity in England<sup>5</sup> such as dunnock, song thrush, house sparrow and starling could occur at the site.
- 3.2.3.3 A range of common birds are expected to nest in trees, scrub, tall ruderal and in the building at the site.
- 3.2.3.4 No evidence of specially protected species such as barn owl or red kite was noted at the site and it is considered unlikely that such species would occur at the site.

### 3.2.4 *Bats*

- 3.2.4.1 Despite a full internal and external search, no evidence of bats was found during the survey. The building comprises a large derelict single storey former workshop / warehouse. The building appears to be of mid-20<sup>th</sup> century origin and is primarily of brick and breeze block construction with corrugated gable roofs. There are no loft spaces or cellars. There is a glass canopy at the front (southern) elevation.
- 3.2.4.2 The building is assessed as having low potential to support bat roosts due to the presence of a small number of potential bat roost features including localised gaps beneath eaves cladding and roof verges (see photos at Appendix 2).
- 3.2.4.3 All of the trees within the site were assessed as having negligible or zero bat roost potential.
- 3.2.4.4 In terms of foraging and commuting habitats, the habitats within the site are assessed as being of low value for bats due to the absence of features such as wetlands, woodland or species-rich hedgerows. The scrub, trees and other habitats at the site are expected to provide relatively low quantities of invertebrate prey for foraging bats. The site does not appear to be on a likely important flyway for bats between other key habitat features.

### 3.2.5 *Great Crested Newt*

- 3.2.5.1 No waterbodies potentially suitable for breeding great crested newts have been identified within 500 metres of the site. Therefore, it is considered very unlikely that great crested newts will occur at the site.

### 3.2.6 *Reptiles*

- 3.2.6.1 The habitats on the site provide suboptimal quality habitat for reptiles. The small areas of grassland, bare ground and tall ruderal provide potentially low quality habitat for reptiles, however the extent of such habitat is very limited and there is poor connectivity to areas of suitable habitat in the wider area. Based on the absence of previous reptile records within 1 km of the site and the site's location with poor habitat connectivity to areas of good quality reptile habitat, it is considered very unlikely that reptiles would occur at the site.

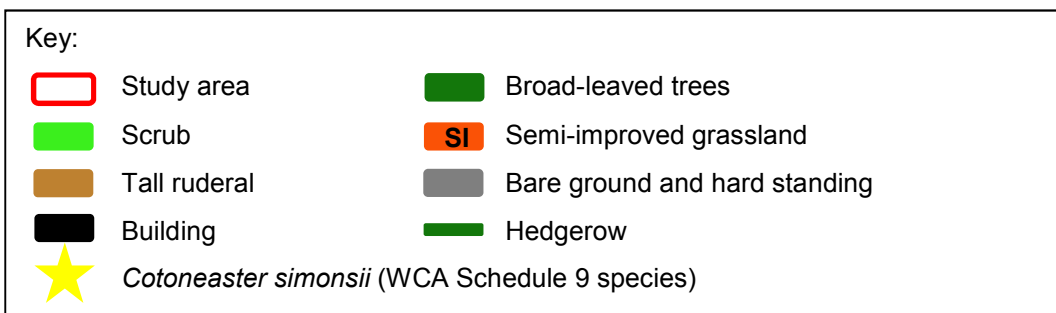
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<sup>5</sup> Species listed on Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006 as Species of Principal Importance for the conservation of biodiversity in England.

3.2.7 *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<sup>6</sup>, could potentially occur within the site. No habitats suitable for resident populations of otter or water vole were identified within or adjacent to the site.

**Figure 2. Phase 1 Habitat Map**



<sup>6</sup> 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.

## 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 trees on the site are retained wherever possible with suitable buffer zones. If any adverse effects on trees are unavoidable, it will be necessary to provide appropriate mitigation / compensation measures such as planting of wildlife-friendly species.
- 4.2.1.3 Any timber or brash from vegetation removal at the site should be used to create biodiversity log/brash piles at the site margins for species such as hedgehogs, birds and invertebrates.

### 4.3 Invasive Weeds

- 4.3.1.1 One species listed on Schedule 9 of the Wildlife and Countryside Act 1981 (as amended) is present at the site: Himalayan cotoneaster *Cotoneaster simonsii*.
- 4.3.1.2 It is recommended that an Invasive Weeds Management Plan should be prepared and implemented in order to ensure that this species is not spread within or beyond the site. Management of this 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, scrub, tall ruderal and in the building at the site. Species of Principal Importance for the conservation of biodiversity in England<sup>7</sup> could occur at the site, e.g. dunnock, song thrush, starling and house sparrow. It is considered unlikely that specially protected species such as barn owl or red kite would occur at the site.

#### Recommendations

- 4.4.1.2 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.
- 4.4.1.3 It is recommended that the trees at the site should be retained along with suitable buffer zones. As an enhancement measure, nesting boxes should be provided at the site comprising the following types: house sparrow nesting terraces, swift nest boxes, starling nest boxes and 32mm hole nesting boxes.

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<sup>7</sup> 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.

#### **4.5 Bats**

4.5.1.1 No evidence of bat roosts at the site was observed during the surveys. The building is assessed as having low bat roost potential due to the presence of a several features of low suitability for bats. All trees within the site were assessed as having negligible or zero bat roost potential. In terms of foraging and commuting habitats, the trees and woodland are assessed as being of low value for bats.

##### Recommendations

4.5.1.2 Due to the potential for the building to support bat roosts, in accordance with current good practice guidelines<sup>8</sup> it is recommended that a minimum of one dusk emergence bat survey should be undertaken between 1<sup>st</sup> May and 31<sup>st</sup> August. Depending on the results of the survey, it may be necessary to recommend additional surveys / mitigation measures.

4.5.1.3 It is recommended that the trees should be retained in situ with suitable buffer zones.

4.5.1.4 Any artificial lighting at the site should aim to avoid artificial light-spill affecting retained trees 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 badger, hedgehog or other species are considered necessary.

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<sup>8</sup> Collins, J. (ed.) (2016) Bat Surveys for Professional Ecologists: Good Practice Guidelines (3rd edn). The Bat Conservation Trust, London. ISBN-13 978-1-872745-96-1.

## 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 Regulations 2010 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.

### **Invasive Weeds**

Japanese knotweed *Fallopia japonica*, Himalayan balsam *Impatiens glandulifera* and several other species including several cotoneaster species are listed in Schedule 9, Part II of the Wildlife and Countryside Act 1981 (as amended) which makes it an offence to plant these species or otherwise cause them to grow in the wild.

### **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.

### **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-west towards the building on the site**



**Photo 2. Looking north-west along eastern elevation of the building on the site**



**Photo 3. Looking north-west across the central part of the site**



**Photo 4. Looking north-north-east towards the northern part of the site**



**Photo 5. Looking south in western part of the site**



**Photo 6. Western elevation of building on the site**



**Photo 7. Northern elevation of building on the site**



**Photo 8. Potential bat roost feature behind eaves cladding on western elevation**



**Photo 9. Potential bat roost features at south-east corner of building**



**Photo 10. Looking north-west to southern side of building on the site**



**Photo 11. Glass canopy on south elevation of building**



**Photo 12. Interior of building (western part)**



**Photo 13. Interior of building (eastern part)**



## Appendix 3. Information provided by WYES



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## **ECOLOGICAL RECORDS SEARCH**

**FOR**

**NEW HEY ROAD,  
OUTLANE,  
HUDDERSFIELD,  
HD3 3YJ**

Ref No:- 20180801 K1163 AA

Date: 08/08/2018

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 SE 06941 20126.

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 D for records held by WYES within your defined search area.

### 2.1 SENSITIVE SPECIES RECORDS

#### 2.1.1 Badgers

West Yorkshire Ecology Services hold no badger information within this area.

## 3 Designated sites

### 3.1 INTERNATIONALLY/NATIONALLY DESIGNATED SITES

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

### 3.1 LOCALLY DESIGNATED SITES

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

Name of Site	Designation
Shaw Wood	Local Wildlife Site
Longwood Edge Quarry	Local Geological Site
Old Lindley Moor	Local Geological Site

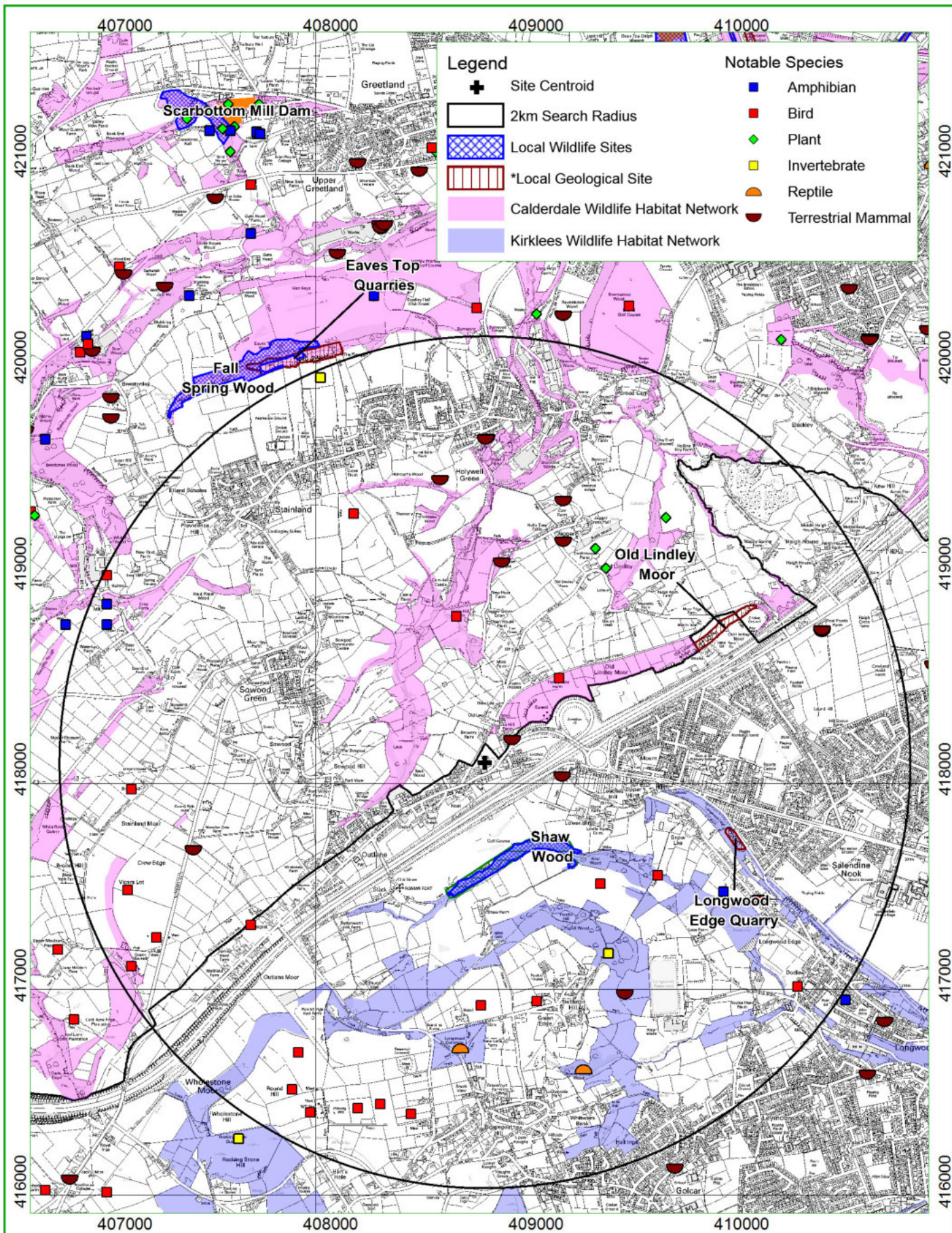
Explanations for designated sites are provided in Appendix B.

Citations for locally designated sites are provided in Appendix C.

### Wildlife Habitat Network

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

## Figure 1 – Species and Designated Sites



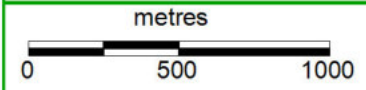
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Scale 1:25000  
At Size A4



**FIGURE 1:  
SPECIES &  
DESIGNATED  
SITES**



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## 4 Habitats

### 4.1 UK PRIORITY HABITATS

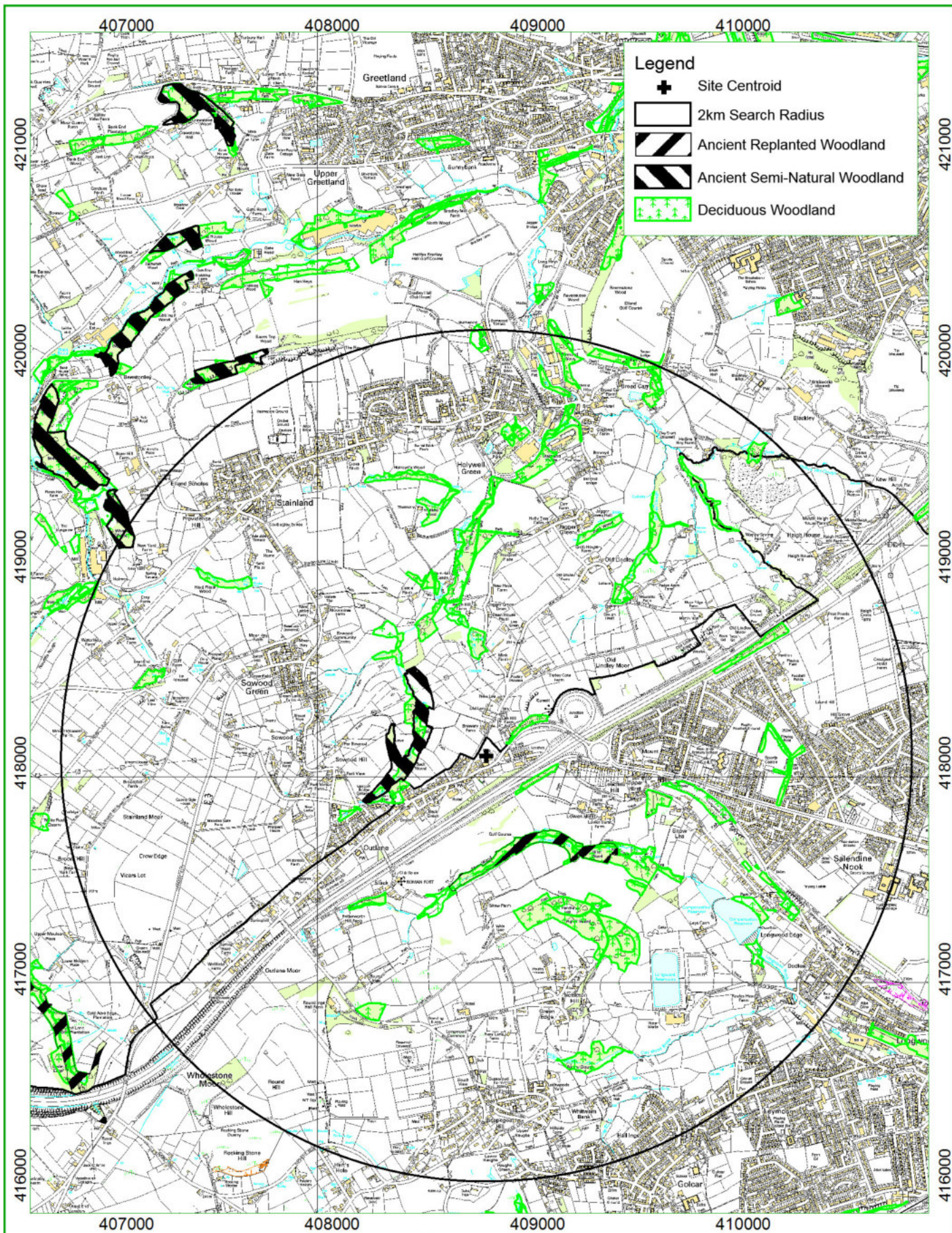
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Please note that WYE has combined priority main habitats with those classified as candidate habitats. Please see the metadata description sheet produced by Natural England for further information. Detailed habitats can be supplied upon request.

The habitats identified within the search area are:

- Ancient Semi- Natural Woodland
- Ancient Replanted Woodland
- Deciduous Woodland

## Figure 2 – UK Priority Habitats



**Legend**

- Site Centroid
- 2km Search Radius
- Ancient Replanted Woodland
- Ancient Semi-Natural Woodland
- Deciduous Woodland

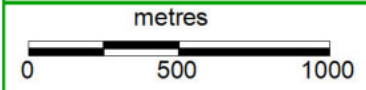
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**FIGURE 2:  
UK  
PRIORITY  
HABITATS**



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## 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	<ul style="list-style-type: none"> <li>disturb any specially protected bird while it is building its nest;</li> <li>disturb any specially protected bird while it is near a nest containing eggs or young; or</li> <li>disturb the young of any of these birds before they are wholly independent.</li> </ul>
Sch1_part2	Schedule 1, Part 2	Birds which are protected by special penalties during the close season	
Sch5	Schedule 5	Animals which are protected	<ul style="list-style-type: none"> <li>intentional or reckless killing, injuring, taking;</li> <li>damage to, destruction of, obstruction of access to any structure or place used by a scheduled animal for shelter or protection; and</li> <li>disturbance of animal occupying such a structure or place.</li> </ul>
Sch5_sect9.1	Schedule 5, Section 9(1)	Animals which are protected from killing and/or taking	<ul style="list-style-type: none"> <li>intentional killing, injuring and/or taking</li> </ul> <p>NB: certain species are only partly protected by this section. Check primary legislation for details.</p>
Sch5_sect9.5	Schedule 5, Section 9(5)	Animals which are protected from sale	<ul style="list-style-type: none"> <li>selling, offering for sale, possessing or transporting for the purpose of sale (live or dead animal, part or derivative); and</li> <li>advertising for buying or selling such things</li> </ul>
Sch8	Schedule 8	Plants which are fully protected	<ul style="list-style-type: none"> <li>pick, uproot, trade in, or possess (for the purposes of trade).</li> </ul>
Sch8_sect 13.2 (sale only)	Schedule 8, Sections 13(2a+2b)	Plants which are protected from sale only	<ul style="list-style-type: none"> <li>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</li> </ul>
Sch9_part1	Schedule 9, Part 1	Animals which are established in the wild.	<ul style="list-style-type: none"> <li>the release of animals and planting of plants listed in Schedule 9.</li> <li>the above offences can be made legal through the granting of licences by the appropriate authorities.</li> </ul> <p>NB: <i>Tyto alba</i> refers to captive bred only.</p>
Sch9_part2	Schedule 9, Part 2	Plants which are established in the wild.	

### Biodiversity Action Plans

#### Abbreviation

UKBAP  
WYBAP  
Bradford BAP  
Calderdale BAP  
Kirklees BAP  
Leeds BAP  
Wakefield BAP

#### Full Name

UK Biodiversity Action Plan  
West Yorkshire Priority Species List  
Bradford Biodiversity Action Plan  
Calderdale Biodiversity Action Plan  
Kirklees Biodiversity Action Plan  
Leeds Biodiversity Action Plan  
Wakefield Biodiversity Action Plan

### Birds of Conservation Concern (BOCC) 2009

#### List

Red

#### Description

High conservation concern

Amber Medium conservation concern  
**Red Data Book Categories (Based on ICUN Guidelines)**

<b>Abbreviation</b>	<b>Full Name</b>
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:**

<b>Abbreviation</b>	<b>Full Name</b>	<b>Description</b>
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

### **References**

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

## 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 (SEGI, 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.

<http://wyjs.org.uk/media/1425/240216-wy-local-sites-selection-criteria-21-01-2016-rm.pdf>

#### Sites of Ecological or Geological Importance (SEGI)

SEGI are an *old* system of designated sites which are gradually being reviewed and reassessed against new LWS selection criteria and where they qualify will be replaced by LWS designation.

#### Sites of Scientific Interest (SSI)

SSI are an *old* system of designated sites which are gradually being reviewed and reassessed against new LWS selection criteria and where they qualify will be replaced by LWS designation. SSI in the Wakefield district have recently been superseded by Wakefield Local Wildlife Sites (LWS) under the Local Development Framework (LDF).

### **Sites of Wildlife Significance (SWS)**

Kirklees SWS are sites are an *old* system of designated sites, designated by the local authority on the basis of their wildlife and amenity value. Many of these sites have recently been resurveyed and are being assessed against new LWS criteria and where they qualify will be replaced by LWS designation.

**\*Further citations and species lists for specific sites can be supplied on request.**

### **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](mailto: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](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.

#### Calderdale

Wildlife Habitat Network data for Calderdale can be found on the link below:  
[http://map.calderdale.gov.uk/connect/?mapcfg=UDP\\_2006](http://map.calderdale.gov.uk/connect/?mapcfg=UDP_2006)

#### Wildlife Corridors

Calderdale Replacement UDP Aug 2006

"11 Natural Environment and the Countryside"

"Nature Conservation"

Policy NE 15 Development in Wildlife Corridors

## Appendix C. Designated Site Citations

## Appendix D. Species Records

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2006	field record		Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2007	field record		Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2004	field record	57 Count	Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2005	field record	38 Count	Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	1999	field record	43 Count	Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2003	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2004	dead on road	1 Count	Sch5_sect9.5b; UKBAP;	1,983

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
							WYBAP; Calderdale BAP	
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2001	dead on road	3 Count	Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2002	dead on road	3 Count	Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	1999	dead on road	6 Count	Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2000	dead on road	5 Count	Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2002	field record	125 Count	Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2003	field record		Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2000	field record	143 Count	Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2001	field record	186 Count	Sch5_sect9.5b; UKBAP;	1,983

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
							WYBAP; Calderdale BAP	
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2007	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2005	dead on road	4 Count	Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE070189	Common Toad	<i>Bufo bufo</i>	amphibian	2006	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Calderdale BAP	1,983
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2004	field record		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2005	field record		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2002	field record		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2003	field record		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2000	field record	200 Count	Sch5_sect9.5b; UKBAP;	1,321

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
							WYBAP; Kirklees BAP	
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2001	field record	40 Count	Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	1998	field record	200 Count	Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	1999	field record	200 Count	Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2008	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	1996	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2006	field record		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2007	field record		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	1996	field record	100 Count	Sch5_sect9.5b; UKBAP;	1,321

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
							WYBAP; Kirklees BAP	
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	1997	field record	100 Count	Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2001	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2002	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	1999	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2000	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	1997	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	1998	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2005	dead on road		Sch5_sect9.5b; UKBAP;	1,321

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
							WYBAP; Kirklees BAP	
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2006	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2003	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2004	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2009	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2007	dead on road		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2008	field record		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321
SE100175	Common Toad	<i>Bufo bufo</i>	amphibian	2009	field record		Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,321

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE070188	Common Frog	<i>Rana temporaria</i>	amphibian	09/04/2006	field record	56 Count of Spawn	Sch5_sect9.5b; WYBAP; Calderdale BAP	1,945
SE070189	Common Frog	<i>Rana temporaria</i>	amphibian	2006	field record		Sch5_sect9.5b; WYBAP; Calderdale BAP	1,983
SE070189	Common Frog	<i>Rana temporaria</i>	amphibian	2007	field record		Sch5_sect9.5b; WYBAP; Calderdale BAP	1,983
SE070189	Common Frog	<i>Rana temporaria</i>	amphibian	1999	field record		Sch5_sect9.5b; WYBAP; Calderdale BAP	1,983
SE070189	Common Frog	<i>Rana temporaria</i>	amphibian	2000	field record		Sch5_sect9.5b; WYBAP; Calderdale BAP	1,983
SE070189	Common Frog	<i>Rana temporaria</i>	amphibian	2001	field record		Sch5_sect9.5b; WYBAP; Calderdale BAP	1,983
SE070189	Common Frog	<i>Rana temporaria</i>	amphibian	2004	field record		Sch5_sect9.5b; WYBAP; Calderdale BAP	1,983
SE070189	Common Frog	<i>Rana temporaria</i>	amphibian	2005	field record		Sch5_sect9.5b; WYBAP; Calderdale BAP	1,983
SE070189	Common Frog	<i>Rana temporaria</i>	amphibian	2002	field record		Sch5_sect9.5b; WYBAP; Calderdale BAP	1,983
SE070189	Common Frog	<i>Rana temporaria</i>	amphibian	2003	field record		Sch5_sect9.5b; WYBAP; Calderdale BAP	1,983
SE100175	Common Frog	<i>Rana temporaria</i>	amphibian	2002	field record		Sch5_sect9.5b; WYBAP	1,321

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE100175	Common Frog	<i>Rana temporaria</i>	amphibian	2003	field record		Sch5_sect9.5b; WYBAP	1,321
SE100175	Common Frog	<i>Rana temporaria</i>	amphibian	2000	field record		Sch5_sect9.5b; WYBAP	1,321
SE100175	Common Frog	<i>Rana temporaria</i>	amphibian	2008	field record		Sch5_sect9.5b; WYBAP	1,321
SE100175	Common Frog	<i>Rana temporaria</i>	amphibian	2009	field record		Sch5_sect9.5b; WYBAP	1,321
SE100175	Common Frog	<i>Rana temporaria</i>	amphibian	2006	field record		Sch5_sect9.5b; WYBAP	1,321
SE100175	Common Frog	<i>Rana temporaria</i>	amphibian	2007	field record		Sch5_sect9.5b; WYBAP	1,321
SE100175	Common Frog	<i>Rana temporaria</i>	amphibian	2004	field record		Sch5_sect9.5b; WYBAP	1,321
SE100175	Common Frog	<i>Rana temporaria</i>	amphibian	2005	field record		Sch5_sect9.5b; WYBAP	1,321
SE100175	Common Frog	<i>Rana temporaria</i>	amphibian	1998	field record		Sch5_sect9.5b; WYBAP	1,321
SE100175	Common Frog	<i>Rana temporaria</i>	amphibian	1999	field record		Sch5_sect9.5b; WYBAP	1,321
SE100175	Common Frog	<i>Rana temporaria</i>	amphibian	1996	field record		Sch5_sect9.5b; WYBAP	1,321
SE100175	Common Frog	<i>Rana temporaria</i>	amphibian	1997	field record		Sch5_sect9.5b; WYBAP	1,321
SE100175	Common Frog	<i>Rana temporaria</i>	amphibian	2001	field record		Sch5_sect9.5b; WYBAP	1,321
SE07101747	Skylark	<i>Alauda arvensis</i>	bird	14/05/2013	field record	2 Count of Male	BoCC:Red; UKBAP; WYBAP; Calderdale BAP	1,827

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE079165	Skylark	<i>Alauda arvensis</i>	bird	04/05/2000 - 20/06/2000	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1,844
SE0793016680	Skylark	<i>Alauda arvensis</i>	bird	04/05/2000 - 20/06/2000	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1,674
SE0799016390	Skylark	<i>Alauda arvensis</i>	bird	04/05/2000 - 20/06/2000	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1,899
SE0822016410	Skylark	<i>Alauda arvensis</i>	bird	04/05/2000 - 20/06/2000	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1,792
SE0833016430	Skylark	<i>Alauda arvensis</i>	bird	04/05/2000 - 20/06/2000	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1,739
SE094175	Skylark	<i>Alauda arvensis</i>	bird	1991	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	833
SE094175	Skylark	<i>Alauda arvensis</i>	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	833
SE094175	Kingfisher	<i>Alcedo atthis</i>	bird	1991	field record		Sch1_part1; BoCC:Amber	833
SE094175	Kingfisher	<i>Alcedo atthis</i>	bird	1970 - 1988	field record		Sch1_part1; BoCC:Amber	833

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE0719	Pintail	<i>Anas acuta</i>	bird	1970 - 1988	field record		Sch1_part2; BoCC:Amber	2,026
SE094175	Mallard	<i>Anas platyrhynchos</i>	bird	1991	field record		BoCC:Amber	833
SE094175	Mallard	<i>Anas platyrhynchos</i>	bird	1970 - 1988	field record		BoCC:Amber	833
SE07241724	Meadow Pipit	<i>Anthus pratensis</i>	bird	24/06/2010	field record	1 Count of Adult Male	BoCC:Amber; Calderdale BAP	1,795
SE094175	Meadow Pipit	<i>Anthus pratensis</i>	bird	1991	field record		BoCC:Amber	833
SE094175	Meadow Pipit	<i>Anthus pratensis</i>	bird	1970 - 1988	field record		BoCC:Amber	833
SE07101747	Linnet	<i>Carduelis cannabina</i>	bird	14/05/2013	field record	1 Count	BoCC:Red; UKBAP; WYBAP; Calderdale BAP	1,827
SE0822016410	Linnet	<i>Carduelis cannabina</i>	bird	04/05/2000 - 20/06/2000	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1,792
SE0848016380	Linnet	<i>Carduelis cannabina</i>	bird	04/05/2000 - 20/06/2000	field record	5 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1,752
SE0882016910	Linnet	<i>Carduelis cannabina</i>	bird	04/05/2000 - 20/06/2000	field record	2 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1,189
SE0909016930	Linnet	<i>Carduelis cannabina</i>	bird	04/05/2000 - 20/06/2000	field record	2 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1,200

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE092185	Linnet	<i>Carduelis cannabina</i>	bird	14/07/2009	field record		BoCC:Red; UKBAP; WYBAP; Calderdale BAP	551
SE094175	Linnet	<i>Carduelis cannabina</i>	bird	1991	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	833
SE094175	Goldfinch	<i>Carduelis carduelis</i>	bird	1991	field record		Kirklees BAP	833
SE094175	Goldfinch	<i>Carduelis carduelis</i>	bird	1970 - 1988	field record		Kirklees BAP	833
SE094175	Stock Dove	<i>Columba oenas</i>	bird	1970 - 1988	field record		BoCC:Amber	833
SE094175	Stock Dove	<i>Columba oenas</i>	bird	1991	field record		BoCC:Amber	833
SE094175	Cuckoo	<i>Cuculus canorus</i>	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP	833
SE094175	Cuckoo	<i>Cuculus canorus</i>	bird	1991	field record		BoCC:Red; UKBAP; WYBAP	833
SE082193	House Martin	<i>Delichon urbica</i>	bird	14/07/2009	field record		BoCC:Amber; WYBAP	1,349
SE094175	House Martin	<i>Delichon urbica</i>	bird	1970 - 1988	field record		BoCC:Amber; WYBAP	833
SE094175	House Martin	<i>Delichon urbica</i>	bird	1991	field record		BoCC:Amber; WYBAP	833
SE094175	Yellowhammer	<i>Emberiza citrinella</i>	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP	833

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE094175	Yellowhammer	<i>Emberiza citrinella</i>	bird	1991	field record		BoCC:Red; UKBAP; WYBAP	833
SE094175	Kestrel	<i>Falco tinnunculus</i>	bird	1970 - 1988	field record		BoCC:Amber; WYBAP; Kirklees BAP	833
SE094175	Kestrel	<i>Falco tinnunculus</i>	bird	1991	field record		BoCC:Amber; WYBAP; Kirklees BAP	833
SE094175	Snipe	<i>Gallinago gallinago</i>	bird	1991	field record		BoCC:Amber; Kirklees BAP	833
SE094175	Snipe	<i>Gallinago gallinago</i>	bird	1970 - 1988	field record		BoCC:Amber; Kirklees BAP	833
SE07121710	Swallow	<i>Hirundo rustica</i>	bird	24/06/2010	field record		BoCC:Amber; WYBAP; Calderdale BAP	1,968
SE077173	Swallow	<i>Hirundo rustica</i>	bird	23/11/2009	nest	2 Count	BoCC:Amber; WYBAP; Kirklees BAP	1,374
SE077173	Swallow	<i>Hirundo rustica</i>	bird	23/11/2009	nest		BoCC:Amber; WYBAP; Kirklees BAP	1,374
SE077173	Swallow	<i>Hirundo rustica</i>	bird	23/11/2009	nest		BoCC:Amber; WYBAP; Kirklees BAP	1,374
SE082193	Swallow	<i>Hirundo rustica</i>	bird	14/07/2009	field record		BoCC:Amber; WYBAP; Calderdale BAP	1,349
SE087188	Swallow	<i>Hirundo rustica</i>	bird	14/07/2009	field record		BoCC:Amber; WYBAP; Calderdale BAP	710

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE092185	Swallow	<i>Hirundo rustica</i>	bird	14/07/2009	field record		BoCC:Amber; WYBAP; Calderdale BAP	551
SE094175	Swallow	<i>Hirundo rustica</i>	bird	1991	field record		BoCC:Amber; WYBAP; Kirklees BAP	833
SE094175	Swallow	<i>Hirundo rustica</i>	bird	1970 - 1988	field record		BoCC:Amber; WYBAP; Kirklees BAP	833
SE094175	Grey Wagtail	<i>Motacilla cinerea</i>	bird	1970 - 1988	field record		BoCC:Amber	833
SE094175	Grey Wagtail	<i>Motacilla cinerea</i>	bird	1991	field record		BoCC:Amber	833
SE094175	Spotted Flycatcher	<i>Muscicapa striata</i>	bird	1991	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	833
SE094175	Spotted Flycatcher	<i>Muscicapa striata</i>	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	833
SE0712017960	Wheatear	<i>Oenanthe oenanthe</i>	bird	10/05/2010	field record	1 Count of Adult Female	BoCC:Amber	1,701
SE094175	House Sparrow	<i>Passer domesticus</i>	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	833
SE094175	Tree Sparrow	<i>Passer montanus</i>	bird	1991	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	833
SE094175	Tree Sparrow	<i>Passer montanus</i>	bird	1970 - 1988	field record		BoCC:Red; UKBAP;	833

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
							WYBAP; Kirklees BAP	
SE094175	Willow Warbler	<i>Phylloscopus trochilus</i>	bird	1991	field record		BoCC:Amber	833
SE094175	Green Woodpecker	<i>Picus viridis</i>	bird	1970 - 1988	field record		BoCC:Amber	833
SE094175	Green Woodpecker	<i>Picus viridis</i>	bird	1991	field record		BoCC:Amber	833
SE082193	Dunnock	<i>Prunella modularis</i>	bird	14/07/2009	field record		BoCC:Amber; UKBAP; WYBAP; Calderdale BAP	1,349
SE094175	Dunnock	<i>Prunella modularis</i>	bird	1991	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	833
SE094175	Dunnock	<i>Prunella modularis</i>	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	833
SE094175	Bullfinch	<i>Pyrrhula pyrrhula</i>	bird	1970 - 1988	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	833
SE094175	Bullfinch	<i>Pyrrhula pyrrhula</i>	bird	1991	field record		BoCC:Amber; UKBAP; WYBAP; Kirklees BAP	833
SE092185	Starling	<i>Sturnus vulgaris</i>	bird	14/07/2009	field record	25 Count of Adult	BoCC:Red; UKBAP; WYBAP; Calderdale BAP	551

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE094175	Redwing	<i>Turdus iliacus</i>	bird	1970 - 1988	field record		Sch1_part1; BoCC:Red	833
SE094175	Redwing	<i>Turdus iliacus</i>	bird	1991	field record		Sch1_part1; BoCC:Red	833
SE087188	Song Thrush	<i>Turdus philomelos</i>	bird	14/07/2009	field record		BoCC:Red; UKBAP; WYBAP; Calderdale BAP	710
SE094175	Song Thrush	<i>Turdus philomelos</i>	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	833
SE094175	Song Thrush	<i>Turdus philomelos</i>	bird	1991	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	833
SE0968017540	Song Thrush	<i>Turdus philomelos</i>	bird	04/05/2000 - 20/06/2000	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1,024
SE1036017000	Song Thrush	<i>Turdus philomelos</i>	bird	04/05/2000 - 20/06/2000	field record	1 Count of Breeding Pair	BoCC:Red; UKBAP; WYBAP; Kirklees BAP	1,889
SE094175	Fieldfare	<i>Turdus pilaris</i>	bird	1970 - 1988	field record		Sch1_part1; BoCC:Red	833
SE094175	Fieldfare	<i>Turdus pilaris</i>	bird	1991	field record		Sch1_part1; BoCC:Red	833
SE092185	Mistle Thrush	<i>Turdus viscivorus</i>	bird	14/07/2009	field record	2 Count of Adult	BoCC:Red; Calderdale BAP	551
SE094175	Mistle Thrush	<i>Turdus viscivorus</i>	bird	1970 - 1988	field record		BoCC:Red	833

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE094175	Mistle Thrush	<i>Turdus viscivorus</i>	bird	1991	field record		BoCC:Red	833
SE094175	Lapwing	<i>Vanellus vanellus</i>	bird	1970 - 1988	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	833
SE094175	Lapwing	<i>Vanellus vanellus</i>	bird	1991	field record		BoCC:Red; UKBAP; WYBAP; Kirklees BAP	833
SE0935719150	Indian Balsam	<i>Impatiens glandulifera</i>	flowering plant	14/07/2009	field record	LF Range of DAFOR	Sch9_part2	1,178
SE0940919054	Indian Balsam	<i>Impatiens glandulifera</i>	flowering plant	14/07/2009	field record	LF Range of DAFOR	Sch9_part2	1,120
SE097193	Indian Balsam	<i>Impatiens glandulifera</i>	flowering plant	16/10/2006	field record		Sch9_part2	1,486
SE097193	Indian Balsam	<i>Impatiens glandulifera</i>	flowering plant	16/10/2006	field record		Sch9_part2	1,486
SE097193	Indian Balsam	<i>Impatiens glandulifera</i>	flowering plant	16/10/2006	field record		Sch9_part2	1,486
SE094172	Rhizophagus nitidulus	<i>Rhizophagus nitidulus</i>	insect - beetle (Coleoptera)	Unknown	field record		Notable:B	1,070
SE094172	Xylostiba monilicornis	<i>Xylostiba monilicornis</i>	insect - beetle (Coleoptera)	Unknown	field record		Notable	1,070
SE0820	Cinnabar	<i>Tyria jacobaeae</i>	insect - moth	21/07/2002	field record	1 Count of Larvae	UKBAP; WYBAP	2,068
SE087167	Adder	<i>Vipera berus</i>	reptile	14/03/2008	field record	1 Count	Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,405

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE093166	Adder	<i>Vipera berus</i>	reptile	25/02/2008	field record	1 Count	Sch5_sect9.5b; UKBAP; WYBAP; Kirklees BAP	1,574
SE086195	West European Hedgehog	<i>Erinaceus europaeus</i>	terrestrial mammal	09/12/2013	field record	1 Count	UKBAP; WYBAP; Calderdale BAP	1,416
SE092192	West European Hedgehog	<i>Erinaceus europaeus</i>	terrestrial mammal	07/06/2012	field record	1 Count	UKBAP; WYBAP; Calderdale BAP	1,163
SE092192	West European Hedgehog	<i>Erinaceus europaeus</i>	terrestrial mammal	15/04/2013	field record	1 Count	UKBAP; WYBAP; Calderdale BAP	1,163
SE092194	Hedgehog	<i>Erinaceus europaeus</i>	terrestrial mammal	15/04/2013	Dead	1 Count	UKBAP; WYBAP; Calderdale BAP	1,353
SE092194	Hedgehog	<i>Erinaceus europaeus</i>	terrestrial mammal	07/06/2012	field record	1 Count	UKBAP; WYBAP; Calderdale BAP	1,353
SE095170	Whiskered Bat	<i>Myotis mystacinus</i>	terrestrial mammal	01/08/2008	field record	1 Count	Sch5; WYBAP; Kirklees BAP	1,292
SE1015917459	Pipistrellus	<i>Pipistrellus</i>	terrestrial mammal	27/10/2000	Roost		Sch5	1,481
SE0882619701	Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	18/07/2001	Roost	100-200 Count of Adult	Sch5; WYBAP; Calderdale BAP	1,600
SE089191	Pipistrelle	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	23/08/2010	field record		Sch5; WYBAP; Calderdale BAP	1,003
SE0895218236	Pipistrelle	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	12/09/2012	droppings	2 Count	Sch5; WYBAP; Calderdale BAP	189
SE0895218236	Pipistrelle	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	12/09/2012	Roost		Sch5; WYBAP; Calderdale BAP	189

Grid Ref	Common Name	Latin Name	Taxon Group	Date	Record Type	Abundance	Designation	Distance from site centroid (m)
SE0919618060	Pipistrelle	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	May-14	foraging	2 Count	Sch5; WYBAP; Kirklees BAP	377
SE095170	Pipistrelle	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	01/08/2008	field record	5 Count	Sch5; WYBAP; Kirklees BAP	1,292
SE1046018761	Pipistrelle	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	30/06/2009	Roost (transitional)		Sch5; WYBAP; Kirklees BAP	1,764
SE10461877	Pipistrelle	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	30/06/2009	field record	3 Count	Sch5; WYBAP; Kirklees BAP	1,767
SE095170	Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	01/08/2008	field record	1 Count	Sch5; UKBAP; WYBAP; Kirklees BAP	1,292
SE0919618060	Brown Long-Eared Bat	<i>Plecotus auritus</i>	terrestrial mammal	May-14	field record	1 Count	Sch5; UKBAP; WYBAP; Kirklees BAP	377
SE095170	Brown Long-Eared Bat	<i>Plecotus auritus</i>	terrestrial mammal	01/08/2008	field record	2 Count	Sch5; UKBAP; WYBAP; Kirklees BAP	1,292
SE07401770	Vesper Bat species	<i>Vespertilionidae</i>	terrestrial mammal	12/09/2006	Grounded	1 Count of Adult	Sch5	1,471
SE0882119699	Vesper Bat species	<i>Vespertilionidae</i>	terrestrial mammal	21/06/2005	Roost	50 Count of Adult	Sch5	1,598
SE1015917458	Vesper Bat species	<i>Vespertilionidae</i>	terrestrial mammal	12/08/2007	Roost (excluded)		Sch5	1,481

Site: Shaw Wood  
Survey date: 10/05/2013  
Surveyor: Robert Mashedor, Senior Ecologist WYE  
Grid reference: SE088176

#### Site description

Shaw Wood is an acid plantation ancient woodland which lies in a very steep sided ravine cut by the Longwood Brook. It lies to the west of Huddersfield at a height of 200 to 240m AOD. The canopy supports abundant sessile oak, sycamore and locally beech and ash. The age structure is good from seedlings through to mature trees although the former are mainly ash in a localised area. Understory contains frequent hazel and holly with occasional rowan, elder and goat willow and rare hawthorn. Ground flora has good coverage of native bluebell (*Hyacinthoides non-scripta*) particularly on the upper slopes (15% of the site with 40-85% coverage). This area also supports abundant creeping soft-grass (*Holcus mollis*), frequent greater woodrush and dogs mercury, occasional wood anemone (*Amenone nemorosa*), honeysuckle (*Lonicera periclymenum*), bramble (*Rubus fruticosus*), male fern, bilberry, hard fern, bracken, wood avens and sweet vernal grass.

There are good exposures of sandstone on both sides of the brook with abundant opposite-leaved golden saxifrage, frequent wood sorrel and polytricum moss.

Adjacent to the beck are occasional large stands of common bistort, abundant ramson, frequent yellow archangel, meadow sweet. At the eastern end of the site is a flush dominated by opposite-leaved golden saxifrage and a large stand of yellow flag iris.

## West Yorkshire Local Sites Partnership Local Wildlife Site

**Site name:** Shaw Wood

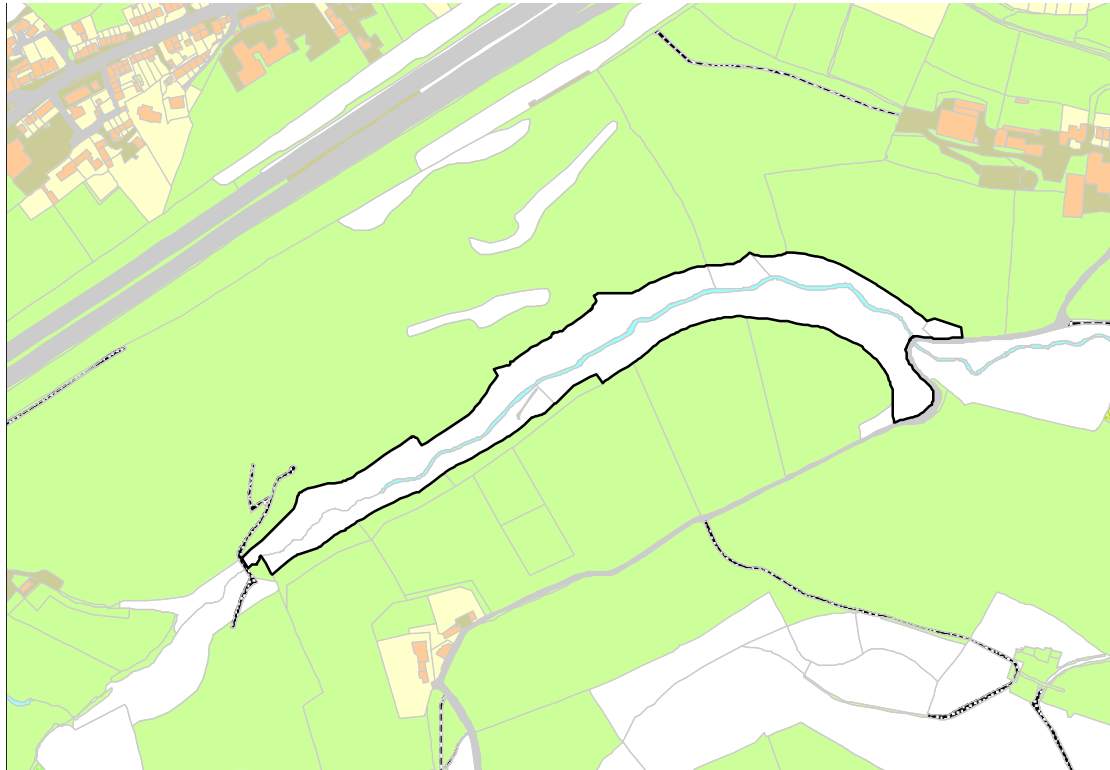
**Planning authority:** Kirklees

**Grid reference:** SE088176

**Date of review:** 03/10/2014

**Date approved by LS Partnership:** 09/10/2014

**Site boundary:**



### **Qualifying criteria:**

Wd3 - Species rich acid woodland

Wd5 - High bluebell cover

**Criteria version:** 10/05/2013

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