

Ecology and Protected Species Survey  
Land off Home Close  
Histon  
Cambridgeshire



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## ECOLOGY AND PROTECTED SPECIES SURVEY LAND OFF HOME CLOSE, HISTON, CAMBRIDGESHIRE

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# ECOLOGY AND PROTECTED SPECIES SURVEY

## LAND OFF HOME CLOSE, HISTON, CAMBRIDGESHIRE

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# ECOLOGY AND PROTECTED SPECIES SURVEY

## LAND OFF HOME CLOSE, HISTON, CAMBRIDGESHIRE

### 1 INTRODUCTION

Inspired Ecology Ltd has been commissioned by \_\_\_\_\_ McCarthy and Stone to undertake an ecology and protected species survey of an area of land off Home Close, Histon in Cambridgeshire. The survey is required in connection with plans to develop the site.

The site was surveyed on 11<sup>th</sup> September 2019, in sunny but windy conditions, by \_\_\_\_\_

The site had previously been visited on 14<sup>th</sup> August 2019 by \_\_\_\_\_, in order to conduct a nesting bird and badger survey on site in advance of scrub vegetation clearance on site.

During the initial appraisal of the site, the protected species considered likely to occur on site were identified. These were:

- Bats
- Badger
- Common bird species

Certain protected species were scoped out of the survey; in particular, it was considered that white-clawed crayfish *Austropotamobius pallipes*, common dormouse *Muscardinus avellanarius*, water vole *Arvicola amphibius* and otter *Lutra lutra* were highly unlikely to occur on the site due to lack of suitable habitat. There was no habitat on site considered suitable to support breeding Schedule 1 bird species or a significant population of common reptile species. There were no buildings on site that were considered to offer potential for roosting by bat species.

According to the MAGIC (Multi-Agency Geographic Information for the Countryside) website, there are three ponds within 500m of the survey site. Of these, only one is not separated from the site by barriers to dispersal. This pond is located approximately 60m south-west of the survey site, however it is less than 10 years old. The most recent records of great crested newt *Triturus cristatus* in the area are from 2010 and over 1km from site, separated by arable land. It can take several years for new ponds to be colonised by great crested newts when over 1km from occupied ponds. It is therefore considered unlikely that great crested newt are present within the pond nearest to site. In addition, although the site has some limited suitability for great crested newt due to areas of scrub, the high traffic movements around the adjacent jam factory

likely limit the suitability of the site for newts in their terrestrial phase. As a result, great crested newts were also scoped out of the survey.

A note was made of any species which are local or national Biodiversity Action Plan (BAP) species/species of principal importance.

This report details the methods used, describes the species found on the site, discusses the results and makes recommendations for further work. English names of higher plants are used throughout the text and are those used by Stace (2010). A full plant list for the site is presented as Appendix 1 and a location map is given as Figure 1.

## **2 METHODS**

### **2.1 Data search**

The Cambridgeshire & Peterborough Environmental Records Centre (CPERC) was consulted and commissioned on 12<sup>th</sup> September 2019 to search for sites with statutory and non-statutory designation and records of protected species within 2km of the survey site. Records of protected species more than 20 years old are not referred to in this report but are included within Appendix 2. The MAGIC was used to identify any areas of priority habitat within 2km of the survey site.

### **2.2 Bats**

#### **2.2.1 Ground level roost assessment**

A preliminary ground level roost assessment was carried out on all trees on the site, in accordance with Collins (2016). The trees were visually checked with the assistance of binoculars for potential roost features such as:

- Woodpecker holes
- Broken limbs, snag ends, cracks and splits in branches and rot holes
- Cankers with cavities
- Gaps between overlapping stems or branches
- Dense ivy, with stem diameters in excess of 50mm
- Flaking bark

Any trees with roost potential were then assigned a measure of potential suitability to determine the extent of future survey work needed. The categories of potential suitability and further survey effort required are as follows:

- Negligible – Negligible potential roosting features on the tree – no further survey work

- Low – A tree of sufficient size and age to contain potential roost features but with none seen from the ground, or features seen with only very limited roosting potential – no further surveys necessary
- Moderate – One or more potential roost features that could be used by bats on a regular basis – further survey work required (roost feature inspections or emergence/ re-entry surveys)
- High – One or more potential roost features that are obviously suitable for use by larger numbers of bats on a regular basis and for longer periods of time – further survey work required (roost feature inspections or emergence/ re-entry surveys)

There are no buildings on the survey site.

### 2.2.2 Assessment of commuting and foraging habitats

In accordance with Collins (2016), the survey site and adjacent areas were assessed for their potential suitability for commuting and foraging bats and categorised as follows;

- Negligible – Negligible habitat features on site or in surrounding area likely to be used by commuting or foraging bats
- Low – Habitat features that could be used by small numbers of commuting bats such as a gappy hedgerow or small numbers of foraging bats such as a patch of scrub, but that are isolated from other habitat features
- Moderate – Continuous habitat connected to the wider landscape such as lines of trees that could be used by commuting bats or trees, grassland or water features that could be used by foraging bats
- High – Continuous, high-quality habitat that is well connected to the wider landscape for use by commuting and foraging bats such as river valleys, woodland, grassland and parkland.

### 2.3 Badger

The site was searched for signs of use by badger *Meles meles* including setts, latrines, dung pits, pathways, hairs, footprints, snuffle holes and scratch marks on trees.

### 2.4 Common bird species

The survey site was searched for signs of use by nesting birds, typically old and active nests and concentrations of faecal deposits associated with a breeding site. All bird species recorded on site were noted.



## **2.5 Habitats and plant species**

An extended ecological assessment survey was undertaken, not only to identify the habitats present on the survey site, but also to include more detailed information on hedgerows, plant species on site, and undertake a further appraisal of the area as habitat for legally protected species. Plant species on site were assessed against the Vascular Plant Red Data List for Great Britain, and the site was assessed against the Local Wildlife Site (LWS) criteria for Lincolnshire.

## **2.6 Survey constraints and limitations**

An area of rough grassland in the centre of the site has been fenced off due to the presence of Japanese knotweed within this area. As such, this area was assessed from outside the fence.

The information contained in this report was accurate at the time of the survey; however, it should be noted that the status of mobile species such as badgers, birds and bats can alter in a short period of time and any survey only represents a 'snapshot' of the site at one point in the season. There are no definitive guidelines relating to the longevity of an ecology report, however we recommend that the results are updated after 12 months if the proposed work has not commenced.

# **3 SITE ASSESSMENT**

## **3.1 Location and grid reference**

The survey site comprises an area of land located off Home Close, Histon in Cambridgeshire - central grid reference TL436633.

The habitats on site are described in detail below and representative photographs are included in the text. The location of the survey site is provided in Figure 1 below.



**Figure 1: Aerial view of the site, outlined in red.**

### **3.2 Scrub**

The majority of the north and east of the site was previously bramble scrub, with smaller areas of bracken scrub, however the scrub was cleared the day before this survey was undertaken. Other vegetation present in this area included common nettle, cock's-foot, yarrow, cow parsley, herb-robert, mugwort, common ragwort, rosebay willowherb, false oat-grass and perennial rye-grass. Within this area there were also numerous scattered trees, including hawthorn, apple, ivy, oak species, silver birch, willow and pear. Above the scrub which is adjacent to the north of the hardstanding there are a number of trees including apple, sycamore, willow species, and silver birch. The scrub in the understorey here is dominated by bramble and dog-rose, with significant common nettle also present. A small patch of bramble scrub is still present within the north-east corner of the survey site, with dog-rose also present here.

At the south-west of the site there are areas of bramble scrub. This area had not been cleared at the time of survey. As well as bramble, species present here include elder saplings, common nettle, mugwort, hawthorn, dog-rose, blackthorn. Much of this scrub is on a raised mound which runs parallel to the western site boundary. There is also an ash sapling at the south-west of the site.

There is also an area of bramble scrub to the west of the site, on the boundary side of the raised

earth mounds. Species here included common nettle, mugwort, wild teasel, dandelion, common mallow, bristly oxtongue, bindweed species, dog-rose, elder and silver birch. Adjacent to and above some of the bramble scrub, there is a small patch of woodland with tree species present which include silver birch (with ivy coverage), ash, elder, apple and sycamore.



**Photograph 1: View of dense scrub at the north-east of the site before clearance**



**Photograph 2: View of north-east of the site after vegetation clearance**



**Photograph 3: Tree within the north-east of site**



**Photograph 4: Scattered trees within the north-east of the site**



**Photograph 5: Scrub at the south-west of the site**



**Photograph 6: Scrub and trees to the west of the site**

### 3.3 Rough grassland

There is an area of rough grassland adjacent to the scrub at the south-east of the site. Species present here include perennial rye-grass, cock's-foot, false oat-grass, Yorkshire-fog, bramble, common nettle, creeping thistle, groundsel, nipplewort, ribwort plantain, colt's-foot, bristly oxtongue, creeping cinquefoil, black medick, ivy, bindweed species, perforate St John's-wort, dandelion, black horehound, spear thistle, dove's-foot crane's-bill, yarrow, mugwort, ground-ivy, common mouse-ear, red dead-nettle, common mallow and autumn hawkbit.

There is an area of rough grassland towards the centre of the former-scrub field, which has been fenced off due to the presence of Japanese knotweed in this area. Other species noted here include hawthorn, yarrow, cow parsley, common nettle, mugwort, spear thistle, groundsel, bramble, creeping thistle, cock's-foot, bindweed species, elder sapling, oak species sapling, dog-rose and perennial rye-grass.



**Photograph 7: Rough grassland to the south-west of the site**



**Photograph 8: Fenced off area of rough grassland**

### 3.4 Barrel-field

There is an area of hardstanding used as a barrel-field for storage. The area of hardstanding is roughly L-shaped and is located towards the west of the site. To the west and south-west of the hardstanding there is an earth mound. The earth mound is bare in places, with species present in some areas including mugwort, bramble, common mallow, spurge species, dock species, bristly oxtongue, prickly sow-thistle, dandelion, common nettle, fat-hen, redshank, bindweed species, creeping thistle, shepherd's-purse, scented mayweed, spear thistle, black medick, scarlet pimpernel, common toadflax, hedge bedstraw, charlock, common orache and black nightshade.



**Photograph 9: Hardstanding barrel-field on site**



**Photograph 10: Earth mound along the south of the barrel-field**

### 3.5 Site boundaries and surrounding habitats

The northern boundary of the site is marked by a metal mesh fence with barbed wire. Along much of the fence there are trees both within and outside the fence, including leyland cypress, silver birch, hawthorn, sycamore, wild privet and apple. Many of the trees also have ivy coverage, and much of the fence has bramble coverage.

The fence also extends down the eastern boundary of the site, along which there is a scrubby-hedgerow comprising species such as elder, bramble, hawthorn and privet. The southern boundary of the main eastern area of the field is also formed by the same type of fencing, with a number of mature horse chestnut and X trees (with ivy coverage) with elder, bramble and common nettle inside the fenceline.

The same fenceline continues around the eastern and southern boundaries of the hardstanding. The site extends outside of the fenceline here however, with the site boundaries within areas of amenity grassland. Species present within the amenity grassland include fescue species, common mallow, nipplewort, bristly oxtongue, ribwort plantain, creeping cinquefoil, common mouse-ear, creeping thistle, common nettle, dove'-foot crane's-bill, groundsel, yarrow, dock species, Persicaria species, perennial rye-grass, false oat-grass and Yorkshire-fog. The amenity grassland areas had been recently mown. There are also a number of trees along the southern strip of amenity grassland, including field maple and blackthorn, with dog-rose and bramble also present here. To the south of the southern amenity grassland strip, at the east, a further metal mesh fence forms the site boundary. Alongside the fencing to the west, there is an ash sapling. The fencing continues around the corner, forming the eastern boundary of the southern strip of rough grassland, separating this area from the adjacent tanks.

The southernmost boundary of the site, in the south-west corner, is marked by a hedgerow

which includes hawthorn, bramble and ivy. The western boundary here, on to the west of the earth mound, includes ash, hawthorn, silver birch and bramble. It was not possible to fully inspect this hedgerow along the western boundary of the site, due to dense bramble coverage in front of the hedge.

Immediately to the south of the site there is a working jam factory. To the north and east of the site there are residential areas. An orchard lies to the west of the survey site. The site sits within a predominantly arable and residential landscape, with a number of industrial areas also present. There are also small scattered patches of woodland, as well as a small number of ponds and areas of grassland. A busway runs along the south of the site and to the south of the adjacent factory.



**Photograph 11: Northern site boundary**



**Photograph 12: Further view of the northern site boundary**



**Photograph 13: Trees and fence along the southern boundary of the main eastern area**



**Photograph 14: Amenity grassland to the south and east of the barrel-field, with factory buildings beyond**



**Photograph 15: Trees to the south of the barrel-field**



**Photograph 16: Fence-line between the tanks and boundary at the south-west**

## 4 RESULTS

### 4.1 Data search

The CPERC data search did not identify any statutory or non-statutory sites within 2km of the survey site.

MAGIC identified areas of deciduous woodland and traditional orchard priority habitats within 2km of the survey site. Although there are areas of these habitats adjacent to the survey site, it is considered unlikely that the development will negatively impact upon their nature conservation interests.

The following UK BAP species have been recorded within 2km of the site:

- brown hare *Lepus europaeus* in 2011
- common lizard *Zootoca vivipara* in 2015
- European water vole *Arvicola amphibius* in 2015
- grass snake *Natrix helvetica* in 2007
- west European hedgehog *Erinaceus europaeus* in 2005

Where applicable, the records of protected species are included within the relevant section of the report.

### 4.2 Bats

There are records of common pipistrelle *Pipistrellus pipistrellus* within 2km of the survey site from 2016, with records for soprano pipistrelle *Pipistrellus pygmaeus* from 2014. There are

single records of Daubenton's bat *Myotis daubentonii*, noctule *Nyctalus noctula* and *Myotis* species *Myotis* sp. from the same year, 2014. Brown long-eared bat *Plecotus auritus* were recorded in 2014 and serotine *Eptesicus serotinus* in 2004.

#### 4.2.1 Ground level roost assessment

There were no trees on site identified as suitable for roosting bats. Most trees on site were saplings scattered throughout the field, with the mature trees present on site not showing any features which could be utilised by roosting bats.

#### 4.2.2 Assessment of commuting and foraging habitats

Directly adjacent to the site are residential areas and a working jam factory, as well as an orchard, area of woodland and arable land. The busway which runs past the south-west of the site is bordered by hedgerows on both sides. Past the factory to the east there are further industrial areas to the south of Histon. Outside of the industrial and residential areas, much of the wider landscape is dominated by arable fields, with occasional grassland, woodland patches, and ponds. The site is connected to the wider landscape to the south-west through a network of hedgerows, but is somewhat disconnected from areas to the north and east due to the presence of the industrial and residential areas.

The results of the assessment of the surrounding habitats appear in tabular form below:

**Table 1: Assessment of surrounding habitats to support commuting and foraging bats**

Feature	Description	Value for bats
Immediate area (<500m)	Arable field, orchard, woodland, industrial and residential with a small number of ponds.	Low potential for foraging and commuting bats
Wider surroundings (500m-3km)	Mostly arable fields and residential areas, with grassland, with some scattered areas of woodland and ponds. Hedgerows contribute to connectivity to the south-west of the site.	Moderate potential for foraging and commuting bats

#### 4.3 Badger

There are records of badger in the area, but not since 2013. A number of mammal runs were noted on site, however rabbit *Oryctolagus cuniculus* are known to be present on site, suggesting that the mammal runs may not have been created by badger. No further signs of badger were noted on site, although it was noted by staff at the jam factory that badger have previously been seen on site. No further work or mitigation is required in respect of this species, but as badger are a mobile species, it is recommended that vigilance is maintained for signs of badger activity.



If badger presence is suspected at any time then it will be necessary to seek advice immediately by calling 07833 674500, to ensure legal compliance. To safeguard ground mammals, including badgers and hedgehogs, during the development phase, it is essential that no trenches or pipes are left uncovered overnight.



**Photograph 17: Mammal run through scrub at the south-west of the site**

#### 4.4 Common bird species

A number of common birds were seen on or flying over the site during the survey. These are listed below along with their current status as BAP species or Birds of Conservation Concern 4 (Eaton et al, 2015):

**Table 2: Common bird species seen on site**

English name	Scientific name	BAP	BoCC
woodpigeon	<i>Columba palumbus</i>		Green
jackdaw	<i>Coloeus monedula</i>		Green
great tit	<i>Parus major</i>		Green
blackbird	<i>Turdus merula</i>		Green
house sparrow	<i>Passer domesticus</i>	Y	Red

The trees and scrub on site have high potential for use by nesting birds.

#### 4.5 Other notable species

A muntjac deer *Muntiacus reevesi* was noted on site during the survey.

#### 4.6 Habitats and plant species

The habitats and plant species recorded on the site are common and widespread in the local

area and in the country. The hedgerows on site do not meet the required criteria of 7 woody species within a 30m length to qualify as important under the Hedgerow Regulations 1997. The site does not meet the required criteria to qualify as a Local Wildlife Site and there are no species that are listed in the Vascular Plant Red Data List for Great Britain.

Japanese knotweed, present within the fenced off area, is a non-native invasive species listed on Schedule 9.

## **5 DISCUSSION AND RECOMMENDATIONS**

### **5.1 Bats**

#### **5.1.1 Legal protection**

In England, Scotland and Wales, all bats are strictly protected under the Wildlife and Countryside Act 1981 (and as amended); in England and Wales this legislation has been amended and strengthened by the Countryside and Rights of Way (CROW) Act 2000. Bats are also protected by European legislation; the EC Habitats Directive is transposed into UK law by The Conservation of Habitats and Species Regulations 2010 – often referred to as 'The Habitat Regs'. Taken together, all this legislation makes it an offence to:

- Deliberately capture (or take), injure or kill a bat
- Intentionally or recklessly disturb a group of bats where the disturbance is likely to significantly affect the ability of the animals to survive, breed, or nurture their young or likely to significantly affect the local distribution or abundance of the species whether in a roost or not.
- Damage or destroy the breeding or resting place of a bat
- Possess a bat (alive or dead) or any part of a bat
- Intentionally or recklessly obstruct access to a bat roost
- Sell (or offer for sale) or exchange bats (alive or dead) or parts of bats

A roost is defined as being 'any structure or place that is used for shelter or protection', and since bats regularly move roost site throughout the year, a roost retains such designation whether or not bats are present at the time.

#### **5.1.2 Recommendations**

None of the trees on site were considered to offer potential for roosting bats. It is considered that no mitigation is required ahead of work to develop the site and there is no requirement for a Natural England European Protected Species licence. No further survey work is considered

necessary and it is not considered necessary to work to a Method Statement.

Some areas of the site have potential for use by bats and bats are known to be present in the local area however; on this basis it is recommended that precautions are taken to ensure bats are not disturbed during the development work. These precautions, together with suggestions for enhancing ecological diversity of the site are detailed below. It is likely that these measures may form the basis of a planning condition. Local Planning Authorities have an obligation to enhance biodiversity and ensure 'favourable conservation status' – the implementation of these measures will ensure legal compliance and ensure that obligations relating to biodiversity are fulfilled.

#### **Precautionary measures and enhancement measures for bats – Land off Home Close, Histon**

- Ensure that dark unlit corridors are maintained around and across the site, allowing bats to pass through and across the site unhindered by artificial light. Where possible, hedgerows and trees should be retained within the plans and should remain unlit so they can be used as dark corridors by foraging/commuting bats. Any lighting on the edges of the site may require shields or adaptations to minimise light spill.
- As a positive conservation measure to enhance the site for bats, install at least two bat roost units into the new buildings. These should be placed on the northern and southern elevations. Examples of bat roost units which could be used are given as Appendix 3 and more information can be found at [www.wildcareshop.co.uk](http://www.wildcareshop.co.uk). Avoid placing external lighting that illuminates the newly installed bat roost units.

## **5.2 Common bird species**

### **5.2.1 Legal protection**

All common wild birds are protected under The Wildlife and Countryside Act 1981 (and as amended). Under this legislation it is an offence to:

- Kill, injure or take any wild bird
- Take, damage or destroy the nest of any wild bird while it is in use or being built
- Take or destroy the egg of any wild bird

Certain rare breeding birds are listed on Schedule 1 of The Wildlife and Countryside Act 1981 (and as amended). Under this legislation they are afforded the same protection as common wild birds and are also protected against disturbance whilst building a nest or on or near a nest

containing eggs/unfledged young.

### 5.2.2 Recommendations

The hedgerows, trees and scrub on site provide potential for nesting bird species. Where possible, the hedgerows and trees on site should be retained within the plans. If the removal of some of these is unavoidable however, as a precautionary measure and to ensure good practice, it is recommended that any vegetation clearance work should commence outside the active nesting season, which typically runs from March through to late August. If work commences during the bird breeding season, a search for nests will need to be carried out before work begins, and active nests should be protected until the young fledge.

Consideration should also be given to the provision of nest boxes of various designs within the development. Details of nest boxes suitable for use by a range of common bird species can be obtained from Wildcare, Eastgate House, Moreton Road, Longborough, Gloucestershire GL56 0QJ (01451 833181), [www.wildcareshop.co.uk](http://www.wildcareshop.co.uk), with examples of some bird boxes provided in Appendix 4.

### 5.3 Habitats and plant species

Japanese knotweed is present on site. Japanese knotweed is listed on Schedule 9 Part 2 of the Wildlife & Countryside Act 1981, which means that it is illegal to plant or otherwise cause Japanese knotweed to grow in the wild. It is not actually illegal to have knotweed growing on your land, however any material containing this species is considered to be 'controlled waste' and is covered by the Environmental Protection Act 1990. A landowner with Japanese knotweed on their land has a duty of care and guidance relating to its eradication and the disposal of material which may contain this species. More information can be found here: <https://www.gov.uk/guidance/prevent-the-spread-of-harmful-invasive-and-non-native-plants>.

### 5.4 Recommendations for ecological enhancement

In addition to the legislation which is in place to safeguard protected species, there is also legislation and policy which imposes duties to take account of statutorily protected species and also to undertake action to prevent loss of biodiversity and species/habitats which have been identified as priorities in the UK. In England and Wales, the Natural Environment and Rural Communities (NERC) Act 2006, imposes a duty on all public bodies (including Local Authorities and statutory bodies) to conserve biodiversity – including restoring and enhancing a population or habitat. In addition, government planning policy guidance throughout the UK, provided in the National Planning Policy Framework and OPDM Circular 06/2005, requires local planning authorities to take account of protected species issues prior to determination of planning

applications.

In order to enhance biodiversity and provide some 'ecological gain' on site and fulfil the Local Planning Authorities obligations under the NERC Act 2006, the following measures are recommended;

- Removal of the existing hedgerows on the site should be avoided where possible and kept to a minimum if unavoidable. Any removal of hedgerows should be compensated for by re-planting at least the amount that is lost using native species such as blackthorn *Prunus spinosa*, common hawthorn *Crataegus monogyna*, hazel *Corylus avellana*, field maple *Acer campestre*, midland hawthorn *Crataegus laevigata*, wild cherry *Prunus avium* and bird cherry *Prunus padus*. Any new hedgerows to be planted should also comprise these native species.
- Once established, hedgerows should be appropriately managed with traditional techniques where possible to maximise their benefit for wildlife using hedgelaying rather than flailing or trimming. If trimming is necessary, ensure it is carried out every 2 to 3 years and in sections so that not all parts of the hedgerow are cut at the same time.
- Any new trees and shrubs planted on the site as part of a landscaping scheme should comprise native locally appropriate species. If possible, species that provide pollen, nectar and fruit should form part of the landscaping in order to provide a food source for common birds. Species which could be considered include hazel *Corylus avellana*, hawthorn *Crataegus monogyna*, blackthorn *Prunus spinosa*, dog-rose *Rosa canina*, wayfaring tree *Viburnum lantana*, sweet-briar *Rosa rubiginosa*, dogwood *Cornus sanguinea*, common buckthorn *Rhamnus cathartica* and guelder rose *Viburnum opulus*
- Plant flower borders within any landscaped areas of the site to include night scented flowers in order to attract moths and other night flying insects (which will provide foraging opportunities for bats). Species should include evening primrose *Oenothera biennis*, sweet rocket *Hesperis matronalis*, honeysuckle species *Lonicera sp.*, lavender *Lavendula sp.*, white jasmine *Jasminum officinale*, night-scented catchfly *Silene noctiflora*, night-scented stock *Matthiola longipetala* and soapwort *Saponaria officinalis*.
- In order to provide suitable habitats on site to encourage high invertebrate activity, including declining pollinators, the grassed areas on the site should be seeded with appropriate wildflower mixes. Seeding of any amenity areas should use a flowering lawn mixture, such as Emorsgate Seeds EL1 mix ([www.wildseed.co.uk](http://www.wildseed.co.uk)), which is resistant to regular mowing. Any areas of longer grass could be seeded with a general wildflower

mix such as Emorsgate EM1 mix (basic all-purpose meadow mix). It is recommended that any wildflower areas are cut once a year, in late summer/early autumn and the arisings removed after 7 days to enable the wildflowers to flourish and provide food sources for invertebrates. Details of how to adequately prepare the ground prior to seeding as well as ongoing management can also be found on the Emorsgate website. Increasing the levels of invertebrate activity on site will also provide further foraging opportunities for insectivorous species.

- It is considered likely that hedgehog occur on site, and within the adjacent habitats. Hedgehog populations have declined by a third in the last 10 years and are a Biodiversity Action Plan (BAP) species. Gardens and green spaces can support high densities of hedgehogs, but habitat fragmentation is thought to be a significant contributor to their decline. Simple solutions within the new development will ensure connectivity for this species between the site and adjacent areas. To maintain commuting routes for hedgehogs, any fences that are installed should have a small hole in the bottom, 13cmx13cm, or be raised off the ground. Ideally, hedges should be used instead of fencing.

## 6 SUMMARY

Land off Home Close, Histon in Cambridgeshire was surveyed in connection with plans to develop the site.

No ecological constraints were found to be associated with plans to develop this land.

Some precautionary measures and ecological enhancements are required in order to ensure legal compliance and no net loss to biodiversity. These are as follows:

- Precautionary measures for great crested newts and common reptile species
- Best practice in relation to bats
- Provision of bat roosting units
- Vigilance and best practice regarding badgers and other ground mammals
- Appropriate timing with regards to nesting birds
- Provision of bird boxes
- Use of native species in any landscaping scheme

## 7 REFERENCES AND BIBLIOGRAPHY

Cheffings, C.M. & Farrell, L. (ed.), Dines, T.D., Jones, R.A., Leach, S.J., McKean, D.R., Pearman, D.A., Preston, C.D., Rumsey, F.J. and Taylor, I. 2005. *The Vascular Plant Red Data List for Great Britain. Species Status 7*: 1-116. Joint Nature Conservation Committee, Peterborough.

Collins, J. (ed.) 2016. *Bat Surveys for Professional Ecologists: Good Practice Guidelines (3<sup>rd</sup> edition)*. The Bat Conservation Trust, London.

Collop, C. (revised Bouic, A.) 2015. *Lincolnshire Biodiversity Action Plan 2011-20*. 3<sup>rd</sup> edition. Greater Lincolnshire Nature Partnership.

Eaton, M., Aebischer, N., Brown, A., Hearn, R., Lock, L., Musgrove, A., Noble, D., Stroud, D. and Gregory, R. 2015. *Birds of Conservation Concern 4: the population status of birds in the United Kingdom, Channel Islands and Isle of Man*. British Birds 108, pp708–746.

English Nature. 2001. *Great Crested Newt Mitigation Guidelines*. English Nature, Peterborough.

Mitchell-Jones, A. J. 2004. *Bat Mitigation Guidelines*. English Nature.

Poole, J. and Fraser, J. (ed.) 2013. *Local Wildlife Site Guidelines for Greater Lincolnshire (3<sup>rd</sup> edition)*. Greater Lincolnshire Nature Partnership, Horncastle.

Stace, C. 2010. *New Flora of the British Isles*. 3<sup>rd</sup> Edition. CUP, Cambridge.

**ECOLOGY AND PROTECTED SPECIES SURVEY  
LAND OFF HOME CLOSE, HISTON, CAMBRIDGESHIRE**

**APPENDIX 1  
Plant species list**



## ECOLOGY AND PROTECTED SPECIES SURVEY

### LAND OFF HOME CLOSE, HISTON, CAMBRIDGESHIRE

<b>ENGLISH NAME</b>	<b>SCIENTIFIC NAME</b>
apple	<i>Malus sp.</i>
ash	<i>Fraxinus excelsior</i>
autumn hawkbit	<i>Scorzoneroides autumnalis</i>
bindweed species	<i>Calystegia sp.</i>
black horehound	<i>Ballota nigra</i>
black medick	<i>Medicago lupulina</i>
black nightshade	<i>Solanum nigrum</i>
blackthorn	<i>Prunus spinosa</i>
bracken	<i>Pteridium aquilinum</i>
bramble	<i>Rubus fruticosus</i>
bristly oxtongue	<i>Helminthotheca echioides</i>
charlock	<i>Sinapis arvensis</i>
cock's-foot	<i>Dactylis glomerata</i>
colt's-foot	<i>Tussilago farfara</i>
common mallow	<i>Malva sylvestris</i>
common mouse-ear	<i>Cerastium fontanum</i>
common nettle	<i>Urtica dioica</i>
common orache	<i>Atriplex patula</i>
common ragwort	<i>Senecio jacobaea</i>
common toadflax	<i>Linaria vulgaris</i>
cow parsley	<i>Anthriscus sylvestris</i>
creeping cinquefoil	<i>Potentilla reptans</i>
creeping thistle	<i>Cirsium arvense</i>
dandelion	<i>Taraxacum sp.</i>
dock species	<i>Rumex sp.</i>
dog-rose	<i>Rosa canina</i>
dove's-foot crane's-bill	<i>Geranium molle</i>
elder	<i>Sambucus nigra</i>
false oat-grass	<i>Arrhenatherum elatius</i>
fat-hen	<i>Chenopodium album</i>
fescue species	<i>Festuca sp.</i>
field maple	<i>Acer campestre</i>
ground-ivy	<i>Glechoma hederacea</i>
groundsel	<i>Senecio vulgaris</i>

**ENGLISH NAME**

hawthorn  
 hedge bedstraw  
 herb-robert  
 horse-chestnut  
 ivy  
 Japanese knotweed  
 mugwort  
 nipplewort  
 oak species  
 pear  
 perennial rye-grass  
 perforate St John's-wort  
 Persicaria species  
 prickly sow thistle  
 red dead-nettle  
 redshank  
 ribwort plantain  
 rosebay willowherb  
 scarlet pimpernel  
 scented mayweed  
 shepherd's-purse  
 silver birch  
 spear thistle  
 spurge species  
 sycamore  
 wild privet  
 wild teasel  
 willow species  
 yarrow  
 Yorkshire-fog

**SCIENTIFIC NAME**

*Crataegus monogyna*  
*Galium album*  
*Geranium robertianum*  
*Aesculus hippocastanum*  
*Hedera helix*  
*Fallopia japonica*  
*Artemisia vulgaris*  
*Lapsana communis*  
*Quercus sp.*  
*Pyrus sp.*  
*Lapsana communis*  
*Hypericum perforatum*  
*Persicaria sp.*  
*Sonchus asper*  
*Lamium purpureum*  
*Persicaria maculosa*  
*Plantago lanceolata*  
*Chamerion angustifolium*  
*Anagallis arvensis ssp arvensis*  
*Matricaria chamomilla*  
*Capsella bursa-pastoris*  
*Betula pendula*  
*Cirsium vulgare*  
*Euphorbia sp.*  
*Acer pseudoplatanus*  
*Ligustrum vulgare*  
*Dipsacus fullonum*  
*Salix sp.*  
*Achillea millefolium*  
*Holcus lanatus*

**ECOLOGY AND PROTECTED SPECIES SURVEY  
LAND OFF HOME CLOSE, HISTON, CAMBRIDGESHIRE**

**APPENDIX 2**

**Data search results**

**Search Area Map**

**for Inspired Ecology**

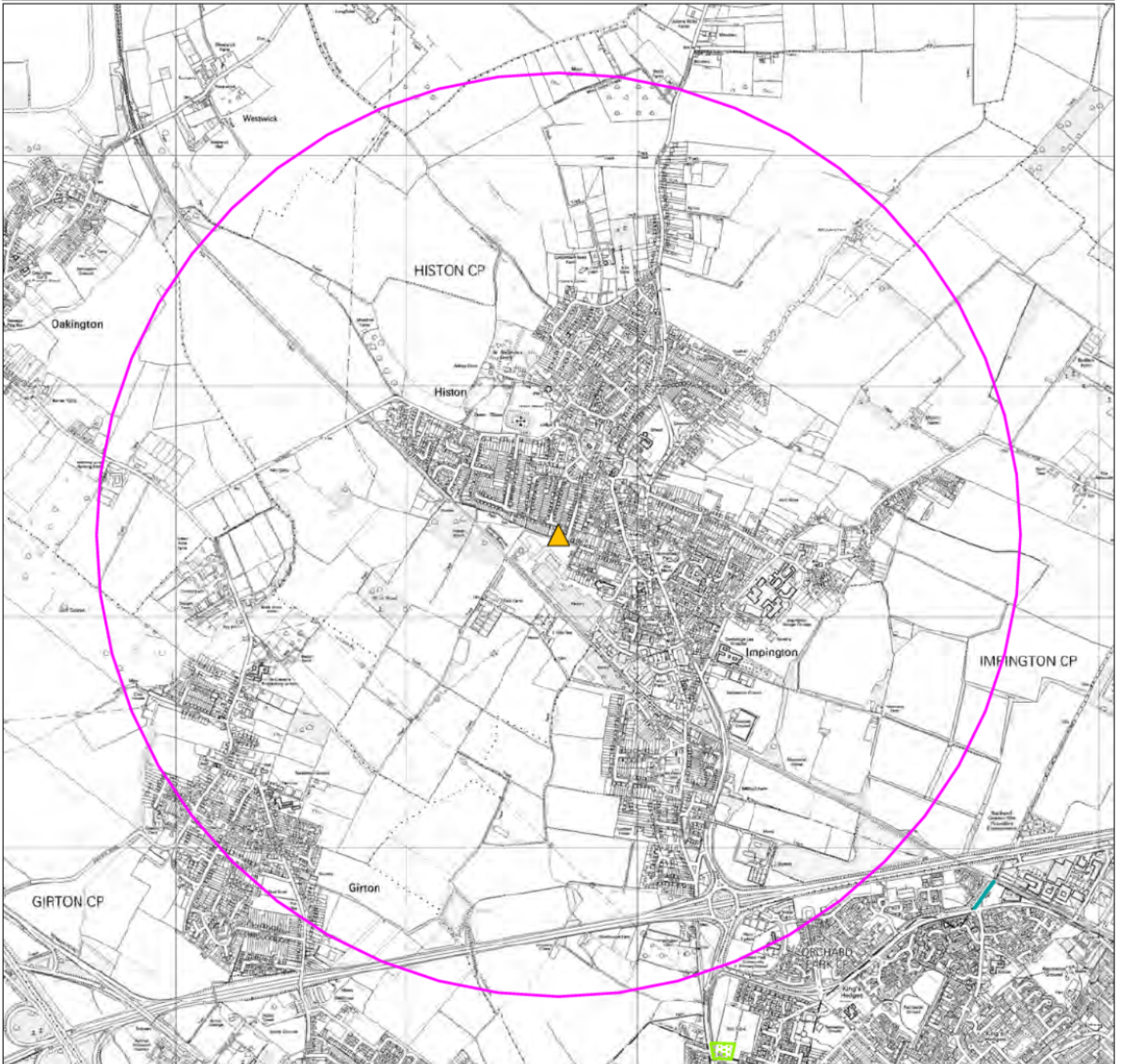
**Histon**



**1:25,000**

**13th September 2019**

CPERC  
The Manor House  
Broad Street  
Cambourne  
Cambridgeshire  
CB23 6DH


**CPERC**  
CAMBRIDGESHIRE & PETERBOROUGH  
ENVIRONMENTAL RECORDS CENTRE




	Search Area
	Supplied Grid Reference

	SSSI
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	LNR
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	County Wildlife Site
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	City Wildlife Site (Cambridge City)
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Cambridgeshire County Council 100023205 (2019)

<b>Taxon_group</b>	<b>Common_Name</b>	<b>Latin_Name</b>	<b>Grid_Reference</b>	<b>Precision</b>	<b>Date</b>
amphibian	Common Frog	<i>Rana temporaria</i>	TL424620	100m	21/07/2011
amphibian	Common Frog	<i>Rana temporaria</i>	TL424617	100m	2010
amphibian	Common Toad	<i>Bufo bufo</i>	TL424620	100m	13/07/2011
amphibian	Common Toad	<i>Bufo bufo</i>	TL424617	100m	2010
amphibian	Common Toad	<i>Bufo bufo</i>	TL442638	100m	2011
amphibian	Common Toad	<i>Bufo bufo</i>	TL450620	100m	2011
amphibian	Common Toad	<i>Bufo bufo</i>	TL432615	100m	2013
amphibian	Great Crested Newt	<i>Triturus cristatus</i>	TL426627	100m	19/03/2010
amphibian	Great Crested Newt	<i>Triturus cristatus</i>	TL424626	100m	11/03/2005
bird	Barn Owl	<i>Tyto alba</i>	TL4461	1km	13/12/2000
bird	Barn Owl	<i>Tyto alba</i>	TL421625	100m	03/07/2009
bird	Barn Owl	<i>Tyto alba</i>	TL434639	100m	07/05/2003
bird	Barn Owl	<i>Tyto alba</i>	TL4362	1km	02/02/2009
bird	Barn Owl	<i>Tyto alba</i>	TL4363	1km	08/06/2000
bird	Barn Owl	<i>Tyto alba</i>	TL4363	1km	11/03/2006
bird	Barn Owl	<i>Tyto alba</i>	TL4463	1km	29/04/2003
bird	Barn Owl	<i>Tyto alba</i>	TL4563	1km	23/06/2005
bird	Barn Owl	<i>Tyto alba</i>	TL4563	1km	01/01/2006
bird	Black-tailed Godwit	<i>Limosa limosa</i>	TL449619	100m	29/12/2000
bird	Brambling	<i>Fringilla montifringilla</i>	TL4261	1km	14/10/2007
bird	Brambling	<i>Fringilla montifringilla</i>	TL4261	1km	15/10/2012
bird	Brambling	<i>Fringilla montifringilla</i>	TL4363	1km	25/01/2005
bird	Brambling	<i>Fringilla montifringilla</i>	TL4463	1km	31/01/2003
bird	Brambling	<i>Fringilla montifringilla</i>	TL4463	1km	31/01/2003
bird	Brambling	<i>Fringilla montifringilla</i>	TL4463	1km	02/02/2003
bird	Brambling	<i>Fringilla montifringilla</i>	TL4463	1km	04/03/2003
bird	Brambling	<i>Fringilla montifringilla</i>	TL4463	1km	27/01/2008
bird	Brambling	<i>Fringilla montifringilla</i>	TL4463	1km	03/01/2011
bird	Brambling	<i>Fringilla montifringilla</i>	TL4463	1km	22/03/2011
bird	Brambling	<i>Fringilla montifringilla</i>	TL4563	1km	01/01/2006
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL422627	100m	13/06/2011
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL424620	100m	02/06/2011
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4261	1km	24/02/2003
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4261	1km	24/02/2003
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4261	1km	13/03/2003
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4261	1km	28/03/2003
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4261	1km	20/10/2003
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4261	1km	13/03/2009
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4261	1km	18/06/2009
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4261	1km	27/08/2009
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4262	1km	21/05/2005
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4262	1km	17/06/2005
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4363	1km	07/05/2001
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4363	1km	05/03/2002
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4363	1km	09/04/2002
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4363	1km	19/10/2002
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4363	1km	03/01/2003
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4363	1km	17/01/2003
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4363	1km	18/01/2003
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4363	1km	31/01/2003
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4363	1km	10/05/2003
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4363	1km	29/05/2003
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4363	1km	06/11/2003
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4363	1km	14/12/2003
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL441631	100m	2005
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4463	1km	17/02/2000
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4463	1km	28/01/2001
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4463	1km	03/02/2001
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4563	1km	17/12/2000
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL449619	100m	31/07/2001
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	TL4265	1km	24/03/2012
bird	Common Crossbill	<i>Loxia curvirostra</i>	TL4364	1km	09/08/2012

<b>Taxon_group</b>	<b>Common_Name</b>	<b>Latin_Name</b>	<b>Grid_Reference</b>	<b>Precision</b>	<b>Date</b>
bird	Common Crossbill	<i>Loxia curvirostra</i>	TL4463	1km	10/07/2011
bird	Common Tern	<i>Sterna hirundo</i>	TL4261	1km	07/08/2013
bird	Common Tern	<i>Sterna hirundo</i>	TL4261	1km	09/04/2013
bird	Common Tern	<i>Sterna hirundo</i>	TL4363	1km	09/07/2003
bird	Corn Bunting	<i>Emberiza calandra</i>	TL4264	1km	09/05/2000
bird	Corn Bunting	<i>Emberiza calandra</i>	TL4264	1km	07/05/2000
bird	Corn Bunting	<i>Emberiza calandra</i>	TL4363	1km	06/05/2001
bird	Corn Bunting	<i>Emberiza calandra</i>	TL4363	1km	21/05/2002
bird	Corn Bunting	<i>Emberiza calandra</i>	TL4363	1km	25/01/2003
bird	Corn Bunting	<i>Emberiza calandra</i>	TL424626	100m	11/03/2005
bird	Corn Bunting	<i>Emberiza calandra</i>	TL4164	1km	04/01/2010
bird	Cuckoo	<i>Cuculus canorus</i>	TL4363	1km	09/06/2001
bird	Cuckoo	<i>Cuculus canorus</i>	TL4363	1km	15/05/2004
bird	Curlew	<i>Numenius arquata</i>	TL425619	100m	08/08/2010
bird	Curlew	<i>Numenius arquata</i>	TL4463	1km	03/07/2008
bird	Dunnock	<i>Prunella modularis</i>	TL422627	100m	23/04/2011
bird	Dunnock	<i>Prunella modularis</i>	TL422627	100m	13/06/2011
bird	Dunnock	<i>Prunella modularis</i>	TL424620	100m	24/03/2011
bird	Dunnock	<i>Prunella modularis</i>	TL4261	1km	23/04/2011
bird	Dunnock	<i>Prunella modularis</i>	TL4262	1km	Jun-05
bird	Dunnock	<i>Prunella modularis</i>	TL4263	1km	11/03/2012
bird	Dunnock	<i>Prunella modularis</i>	TL434636	100m	24/03/2012
bird	Dunnock	<i>Prunella modularis</i>	TL4363	1km	09/12/2003
bird	Dunnock	<i>Prunella modularis</i>	TL4363	1km	13/02/2012
bird	Dunnock	<i>Prunella modularis</i>	TL4363	1km	24/03/2012
bird	Dunnock	<i>Prunella modularis</i>	TL4364	1km	13/02/2012
bird	Dunnock	<i>Prunella modularis</i>	TL4364	1km	24/03/2012
bird	Dunnock	<i>Prunella modularis</i>	TL436638	100m	20/04/2011
bird	Dunnock	<i>Prunella modularis</i>	TL439637	100m	11/03/2012
bird	Dunnock	<i>Prunella modularis</i>	TL440640	100m	24/03/2012
bird	Dunnock	<i>Prunella modularis</i>	TL441640	100m	2010
bird	Dunnock	<i>Prunella modularis</i>	TL441640	100m	21/06/2010
bird	Dunnock	<i>Prunella modularis</i>	TL441640	100m	07/07/2010
bird	Dunnock	<i>Prunella modularis</i>	TL441640	100m	25/07/2010
bird	Dunnock	<i>Prunella modularis</i>	TL441640	100m	25/05/2011
bird	Dunnock	<i>Prunella modularis</i>	TL442634	100m	08/03/2012
bird	Dunnock	<i>Prunella modularis</i>	TL440638	100m	23/01/2011
bird	Dunnock	<i>Prunella modularis</i>	TL4265	1km	11/03/2012
bird	Dunnock	<i>Prunella modularis</i>	TL4265	1km	24/03/2012
bird	Dunnock	<i>Prunella modularis</i>	TL4265	1km	24/03/2012
bird	Dunnock	<i>Prunella modularis</i>	TL446617	100m	12/04/2013
bird	Dunnock	<i>Prunella modularis</i>	TL4265	1km	11/03/2012
bird	Dunnock	<i>Prunella modularis</i>	TL4265	1km	24/03/2012
bird	Fieldfare	<i>Turdus pilaris</i>	TL4261	1km	12/02/2000
bird	Fieldfare	<i>Turdus pilaris</i>	TL4261	1km	30/12/2003
bird	Fieldfare	<i>Turdus pilaris</i>	TL4261	1km	17/10/2005
bird	Fieldfare	<i>Turdus pilaris</i>	TL4261	1km	22/04/2008
bird	Fieldfare	<i>Turdus pilaris</i>	TL4261	1km	07/11/2012
bird	Fieldfare	<i>Turdus pilaris</i>	TL4264	1km	11/03/2012
bird	Fieldfare	<i>Turdus pilaris</i>	TL4264	1km	05/02/2013
bird	Fieldfare	<i>Turdus pilaris</i>	TL4363	1km	26/02/2000
bird	Fieldfare	<i>Turdus pilaris</i>	TL4363	1km	12/03/2000
bird	Fieldfare	<i>Turdus pilaris</i>	TL4363	1km	04/11/2000
bird	Fieldfare	<i>Turdus pilaris</i>	TL4363	1km	26/02/2001
bird	Fieldfare	<i>Turdus pilaris</i>	TL4363	1km	06/01/2002
bird	Fieldfare	<i>Turdus pilaris</i>	TL4363	1km	09/01/2002
bird	Fieldfare	<i>Turdus pilaris</i>	TL4363	1km	05/03/2002
bird	Fieldfare	<i>Turdus pilaris</i>	TL4363	1km	03/11/2002
bird	Fieldfare	<i>Turdus pilaris</i>	TL4363	1km	31/01/2003
bird	Fieldfare	<i>Turdus pilaris</i>	TL4363	1km	02/11/2003
bird	Fieldfare	<i>Turdus pilaris</i>	TL4363	1km	06/11/2003
bird	Fieldfare	<i>Turdus pilaris</i>	TL4363	1km	13/02/2012

<b>Taxon_group</b>	<b>Common_Name</b>	<b>Latin_Name</b>	<b>Grid_Reference</b>	<b>Precision</b>	<b>Date</b>
bird	Fieldfare	<i>Turdus pilaris</i>	TL4364	1km	05/02/2013
bird	Fieldfare	<i>Turdus pilaris</i>	TL4463	1km	06/01/2001
bird	Fieldfare	<i>Turdus pilaris</i>	TL4463	1km	03/02/2001
bird	Fieldfare	<i>Turdus pilaris</i>	TL4463	1km	09/02/2003
bird	Fieldfare	<i>Turdus pilaris</i>	TL4463	1km	03/03/2003
bird	Fieldfare	<i>Turdus pilaris</i>	TL4463	1km	09/04/2003
bird	Fieldfare	<i>Turdus pilaris</i>	TL4463	1km	20/10/2003
bird	Fieldfare	<i>Turdus pilaris</i>	TL4563	1km	28/12/2000
bird	Fieldfare	<i>Turdus pilaris</i>	TL449619	100m	01/01/2000
bird	Fieldfare	<i>Turdus pilaris</i>	TL449619	100m	07/03/2005
bird	Fieldfare	<i>Turdus pilaris</i>	TL424636	100m	27/02/2011
bird	Fieldfare	<i>Turdus pilaris</i>	TL4164	1km	01/01/2000
bird	Fieldfare	<i>Turdus pilaris</i>	TL4164	1km	25/02/2001
bird	Fieldfare	<i>Turdus pilaris</i>	TL4164	1km	05/02/2013
bird	Fieldfare	<i>Turdus pilaris</i>	TL419644	100m	01/04/2013
bird	Fieldfare	<i>Turdus pilaris</i>	TL4265	1km	13/02/2012
bird	Firecrest	<i>Regulus ignicapilla</i>	TL4261	1km	18/02/2003
bird	Firecrest	<i>Regulus ignicapilla</i>	TL4261	1km	21/02/2003
bird	Firecrest	<i>Regulus ignicapilla</i>	TL4261	1km	21/02/2003
bird	Firecrest	<i>Regulus ignicapilla</i>	TL4261	1km	24/02/2003
bird	Firecrest	<i>Regulus ignicapilla</i>	TL4261	1km	13/03/2003
bird	Firecrest	<i>Regulus ignicapilla</i>	TL4261	1km	17/03/2003
bird	Firecrest	<i>Regulus ignicapilla</i>	TL4261	1km	08/11/2012
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL443617	100m	27/01/2001
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4461	1km	23/12/2000
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4461	1km	12/01/2001
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4461	1km	05/12/2001
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4261	1km	01/10/2003
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4261	1km	29/03/2012
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4261	1km	17/01/2013
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL424644	100m	02/11/2006
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL425643	100m	08/10/2003
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL425643	100m	12/10/2003
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL425643	100m	07/11/2003
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4264	1km	11/11/2004
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4264	1km	12/01/2006
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4363	1km	29/01/2000
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4363	1km	28/12/2000
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4363	1km	10/02/2001
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4363	1km	01/01/2002
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4363	1km	14/01/2002
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4363	1km	02/10/2003
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4363	1km	09/10/2003
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4363	1km	23/10/2003
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4363	1km	02/11/2003
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4363	1km	27/11/2003
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4363	1km	31/12/2003
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4363	1km	23/10/2005
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4463	1km	13/09/2003
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4265	1km	12/10/2002
bird	Golden Plover	<i>Pluvialis apricaria</i>	TL4265	1km	15/11/2004
bird	Goshawk	<i>Accipiter gentilis</i>	TL4261	1km	21/10/2003
bird	Grasshopper Warbler	<i>Locustella naevia</i>	TL4261	1km	27/04/2013
bird	Grasshopper Warbler	<i>Locustella naevia</i>	TL4164	1km	25/07/2000
bird	Green Sandpiper	<i>Tringa ochropus</i>	TL4461	1km	23/01/2008
bird	Green Sandpiper	<i>Tringa ochropus</i>	TL428643	100m	12/04/2003
bird	Green Sandpiper	<i>Tringa ochropus</i>	TL4363	1km	26/12/2010
bird	Green Sandpiper	<i>Tringa ochropus</i>	TL4463	1km	27/01/2001
bird	Greylag Goose	<i>Anser anser</i>	TL4263	1km	23/03/2012
bird	Greylag Goose	<i>Anser anser</i>	TL449619	100m	11/03/2000
bird	Greylag Goose	<i>Anser anser</i>	TL449619	100m	10/06/2012
bird	Greylag Goose	<i>Anser anser</i>	TL449619	100m	09/03/2013

<b>Taxon_group</b>	<b>Common_Name</b>	<b>Latin_Name</b>	<b>Grid_Reference</b>	<b>Precision</b>	<b>Date</b>
bird	Greylag Goose	<i>Anser anser</i>	TL449619	100m	22/03/2013
bird	Greylag Goose	<i>Anser anser</i>	TL449619	100m	13/04/2013
bird	Greylag Goose	<i>Anser anser</i>	TL449619	100m	12/05/2013
bird	Greylag Goose	<i>Anser anser</i>	TL449619	100m	21/06/2013
bird	Hawfinch	<i>Coccothraustes coccothraustes</i>	TL4463	1km	23/12/2002
bird	Hen Harrier	<i>Circus cyaneus</i>	TL4164	1km	05/08/2013
bird	Hen Harrier	<i>Circus cyaneus</i>	TL4164	1km	05/08/2013
bird	Hobby	<i>Falco subbuteo</i>	TL4461	1km	03/04/2004
bird	Hobby	<i>Falco subbuteo</i>	TL424623	100m	23/05/2011
bird	Hobby	<i>Falco subbuteo</i>	TL4261	1km	22/04/2003
bird	Hobby	<i>Falco subbuteo</i>	TL4261	1km	15/09/2003
bird	Hobby	<i>Falco subbuteo</i>	TL4261	1km	22/09/2003
bird	Hobby	<i>Falco subbuteo</i>	TL4261	1km	04/07/2005
bird	Hobby	<i>Falco subbuteo</i>	TL4261	1km	29/09/2006
bird	Hobby	<i>Falco subbuteo</i>	TL4261	1km	02/05/2008
bird	Hobby	<i>Falco subbuteo</i>	TL4261	1km	03/09/2009
bird	Hobby	<i>Falco subbuteo</i>	TL4261	1km	13/07/2010
bird	Hobby	<i>Falco subbuteo</i>	TL4261	1km	11/05/2012
bird	Hobby	<i>Falco subbuteo</i>	TL4261	1km	01/07/2012
bird	Hobby	<i>Falco subbuteo</i>	TL4261	1km	12/08/2012
bird	Hobby	<i>Falco subbuteo</i>	TL4261	1km	07/05/2013
bird	Hobby	<i>Falco subbuteo</i>	TL4263	1km	14/09/2003
bird	Hobby	<i>Falco subbuteo</i>	TL4363	1km	17/05/2000
bird	Hobby	<i>Falco subbuteo</i>	TL4363	1km	25/06/2000
bird	Hobby	<i>Falco subbuteo</i>	TL4363	1km	25/09/2000
bird	Hobby	<i>Falco subbuteo</i>	TL4363	1km	27/05/2003
bird	Hobby	<i>Falco subbuteo</i>	TL4363	1km	22/08/2004
bird	Hobby	<i>Falco subbuteo</i>	TL4363	1km	16/08/2012
bird	Hobby	<i>Falco subbuteo</i>	TL4463	1km	16/06/2000
bird	Hobby	<i>Falco subbuteo</i>	TL4463	1km	04/05/2003
bird	Hobby	<i>Falco subbuteo</i>	TL4463	1km	19/05/2003
bird	Hobby	<i>Falco subbuteo</i>	TL4463	1km	04/07/2003
bird	Hobby	<i>Falco subbuteo</i>	TL4463	1km	05/10/2011
bird	Hobby	<i>Falco subbuteo</i>	TL449619	100m	01/10/2000
bird	Hobby	<i>Falco subbuteo</i>	TL445616	100m	16/09/2012
bird	Hobby	<i>Falco subbuteo</i>	TL4265	1km	23/06/2013
bird	Honey-buzzard	<i>Pernis apivorus</i>	TL4261	1km	18/09/2008
bird	House Sparrow	<i>Passer domesticus</i>	TL424620	100m	02/06/2011
bird	House Sparrow	<i>Passer domesticus</i>	TL4261	1km	2010
bird	House Sparrow	<i>Passer domesticus</i>	TL4261	1km	26/06/2013
bird	House Sparrow	<i>Passer domesticus</i>	TL4262	1km	Jun-05
bird	House Sparrow	<i>Passer domesticus</i>	TL432636	100m	24/03/2012
bird	House Sparrow	<i>Passer domesticus</i>	TL435642	100m	24/03/2012
bird	House Sparrow	<i>Passer domesticus</i>	TL4363	1km	01/01/2002
bird	House Sparrow	<i>Passer domesticus</i>	TL4363	1km	23/02/2003
bird	House Sparrow	<i>Passer domesticus</i>	TL4363	1km	13/02/2012
bird	House Sparrow	<i>Passer domesticus</i>	TL4363	1km	11/03/2012
bird	House Sparrow	<i>Passer domesticus</i>	TL439637	100m	11/03/2012
bird	House Sparrow	<i>Passer domesticus</i>	TL439638	100m	24/03/2012
bird	House Sparrow	<i>Passer domesticus</i>	TL441640	100m	21/06/2010
bird	House Sparrow	<i>Passer domesticus</i>	TL441640	100m	11/08/2010
bird	House Sparrow	<i>Passer domesticus</i>	TL441640	100m	23/06/2011
bird	House Sparrow	<i>Passer domesticus</i>	TL441640	100m	17/03/2012
bird	House Sparrow	<i>Passer domesticus</i>	TL4464	1km	11/03/2012
bird	House Sparrow	<i>Passer domesticus</i>	TL4464	1km	21/04/2012
bird	House Sparrow	<i>Passer domesticus</i>	TL4463	1km	30/06/2003
bird	House Sparrow	<i>Passer domesticus</i>	TL4463	1km	30/09/2003
bird	House Sparrow	<i>Passer domesticus</i>	TL449619	100m	10/06/2012
bird	House Sparrow	<i>Passer domesticus</i>	TL424636	100m	24/03/2012
bird	House Sparrow	<i>Passer domesticus</i>	TL4164	1km	16/12/2013
bird	House Sparrow	<i>Passer domesticus</i>	TL4265	1km	11/03/2012
bird	Kingfisher	<i>Alcedo atthis</i>	TL4261	1km	01/03/2002



<b>Taxon_group</b>	<b>Common_Name</b>	<b>Latin_Name</b>	<b>Grid_Reference</b>	<b>Precision</b>	<b>Date</b>
bird	Kingfisher	<i>Alcedo atthis</i>	TL429643	100m	11/11/2004
bird	Kingfisher	<i>Alcedo atthis</i>	TL430640	100m	14/10/2005
bird	Kingfisher	<i>Alcedo atthis</i>	TL4363	1km	26/02/2000
bird	Kingfisher	<i>Alcedo atthis</i>	TL4363	1km	11/04/2001
bird	Kingfisher	<i>Alcedo atthis</i>	TL437637	100m	26/09/2013
bird	Kingfisher	<i>Alcedo atthis</i>	TL4463	1km	15/06/2003
bird	Kingfisher	<i>Alcedo atthis</i>	TL449619	100m	30/07/2001
bird	Lapwing	<i>Vanellus vanellus</i>	TL4461	1km	21/11/2000
bird	Lapwing	<i>Vanellus vanellus</i>	TL4461	1km	23/12/2000
bird	Lapwing	<i>Vanellus vanellus</i>	TL4461	1km	12/01/2001
bird	Lapwing	<i>Vanellus vanellus</i>	TL4461	1km	05/12/2001
bird	Lapwing	<i>Vanellus vanellus</i>	TL4261	1km	23/01/2000
bird	Lapwing	<i>Vanellus vanellus</i>	TL4261	1km	10/02/2000
bird	Lapwing	<i>Vanellus vanellus</i>	TL4261	1km	26/09/2003
bird	Lapwing	<i>Vanellus vanellus</i>	TL4261	1km	01/10/2003
bird	Lapwing	<i>Vanellus vanellus</i>	TL4261	1km	17/01/2013
bird	Lapwing	<i>Vanellus vanellus</i>	TL424644	100m	02/11/2006
bird	Lapwing	<i>Vanellus vanellus</i>	TL425643	100m	07/11/2003
bird	Lapwing	<i>Vanellus vanellus</i>	TL4264	1km	11/11/2004
bird	Lapwing	<i>Vanellus vanellus</i>	TL4264	1km	12/01/2006
bird	Lapwing	<i>Vanellus vanellus</i>	TL4264	1km	13/02/2012
bird	Lapwing	<i>Vanellus vanellus</i>	TL4363	1km	29/01/2000
bird	Lapwing	<i>Vanellus vanellus</i>	TL4363	1km	19/10/2000
bird	Lapwing	<i>Vanellus vanellus</i>	TL4363	1km	01/01/2002
bird	Lapwing	<i>Vanellus vanellus</i>	TL4363	1km	14/01/2002
bird	Lapwing	<i>Vanellus vanellus</i>	TL4363	1km	31/01/2003
bird	Lapwing	<i>Vanellus vanellus</i>	TL4363	1km	31/01/2003
bird	Lapwing	<i>Vanellus vanellus</i>	TL4363	1km	02/10/2003
bird	Lapwing	<i>Vanellus vanellus</i>	TL4363	1km	09/10/2003
bird	Lapwing	<i>Vanellus vanellus</i>	TL4363	1km	23/10/2003
bird	Lapwing	<i>Vanellus vanellus</i>	TL4363	1km	02/11/2003
bird	Lapwing	<i>Vanellus vanellus</i>	TL4363	1km	31/12/2003
bird	Lapwing	<i>Vanellus vanellus</i>	TL443617	100m	19/12/2013
bird	Lapwing	<i>Vanellus vanellus</i>	TL443634	100m	2011
bird	Lapwing	<i>Vanellus vanellus</i>	TL4463	1km	06/01/2001
bird	Lapwing	<i>Vanellus vanellus</i>	TL4463	1km	17/02/2001
bird	Lapwing	<i>Vanellus vanellus</i>	TL4463	1km	04/01/2003
bird	Lapwing	<i>Vanellus vanellus</i>	TL4563	1km	28/12/2000
bird	Lapwing	<i>Vanellus vanellus</i>	TL4265	1km	24/03/2012
bird	Lesser Redpoll	<i>Acanthis cabaret</i>	TL4261	1km	14/11/2008
bird	Lesser Redpoll	<i>Acanthis cabaret</i>	TL4261	1km	05/02/2010
bird	Lesser Redpoll	<i>Acanthis cabaret</i>	TL4261	1km	13/02/2010
bird	Lesser Redpoll	<i>Acanthis cabaret</i>	TL4261	1km	05/11/2010
bird	Lesser Redpoll	<i>Acanthis cabaret</i>	TL4261	1km	17/01/2013
bird	Lesser Redpoll	<i>Acanthis cabaret</i>	TL4363	1km	22/03/2002
bird	Lesser Redpoll	<i>Acanthis cabaret</i>	TL4363	1km	14/05/2009
bird	Lesser Redpoll	<i>Acanthis cabaret</i>	TL4364	1km	04/07/2012
bird	Lesser Spotted Woodpecker	<i>Dendrocopos minor</i>	TL4261	1km	19/02/2003
bird	Lesser Spotted Woodpecker	<i>Dendrocopos minor</i>	TL4363	1km	23/04/2000
bird	Linnet	<i>Linaria cannabina</i>	TL4262	1km	23/05/2005
bird	Linnet	<i>Linaria cannabina</i>	TL424642	100m	06/10/2006
bird	Linnet	<i>Linaria cannabina</i>	TL4264	1km	07/05/2000
bird	Linnet	<i>Linaria cannabina</i>	TL4264	1km	24/04/2003
bird	Linnet	<i>Linaria cannabina</i>	TL4363	1km	26/02/2000
bird	Linnet	<i>Linaria cannabina</i>	TL4363	1km	26/03/2000
bird	Linnet	<i>Linaria cannabina</i>	TL4363	1km	25/04/2000
bird	Linnet	<i>Linaria cannabina</i>	TL4363	1km	29/04/2001
bird	Linnet	<i>Linaria cannabina</i>	TL4363	1km	07/05/2001
bird	Linnet	<i>Linaria cannabina</i>	TL4363	1km	10/03/2002
bird	Linnet	<i>Linaria cannabina</i>	TL4363	1km	09/04/2002
bird	Linnet	<i>Linaria cannabina</i>	TL4363	1km	19/04/2002
bird	Linnet	<i>Linaria cannabina</i>	TL4363	1km	14/04/2003

<b>Taxon_group</b>	<b>Common_Name</b>	<b>Latin_Name</b>	<b>Grid_Reference</b>	<b>Precision</b>	<b>Date</b>
bird	Linnet	<i>Linaria cannabina</i>	TL4363	1km	15/05/2003
bird	Linnet	<i>Linaria cannabina</i>	TL427635	100m	24/09/2005
bird	Linnet	<i>Linaria cannabina</i>	TL4463	1km	28/02/2001
bird	Linnet	<i>Linaria cannabina</i>	TL4463	1km	31/05/2003
bird	Linnet	<i>Linaria cannabina</i>	TL449619	100m	31/07/2001
bird	Linnet	<i>Linaria cannabina</i>	TL4164	1km	24/01/2013
bird	Linnet	<i>Linaria cannabina</i>	TL4265	1km	13/02/2012
bird	Little Egret	<i>Egretta garzetta</i>	TL4261	1km	24/04/2006
bird	Little Egret	<i>Egretta garzetta</i>	TL4261	1km	17/01/2013
bird	Little Egret	<i>Egretta garzetta</i>	TL429641	100m	10/01/2010
bird	Little Egret	<i>Egretta garzetta</i>	TL430639	100m	03/02/2012
bird	Little Egret	<i>Egretta garzetta</i>	TL4363	1km	22/11/2004
bird	Little Egret	<i>Egretta garzetta</i>	TL4463	1km	14/01/2009
bird	Little Egret	<i>Egretta garzetta</i>	TL4164	1km	30/12/2013
bird	Marsh Harrier	<i>Circus aeruginosus</i>	TL4463	1km	01/05/2000
bird	Merlin	<i>Falco columbarius</i>	TL4261	1km	04/11/2002
bird	Merlin	<i>Falco columbarius</i>	TL425643	100m	08/10/2003
bird	Merlin	<i>Falco columbarius</i>	TL4363	1km	01/11/2003
bird	Merlin	<i>Falco columbarius</i>	TL4363	1km	01/11/2003
bird	Merlin	<i>Falco columbarius</i>	TL4363	1km	21/12/2003
bird	Merlin	<i>Falco columbarius</i>	TL4363	1km	15/02/2004
bird	Merlin	<i>Falco columbarius</i>	TL4463	1km	04/12/2003
bird	Merlin	<i>Falco columbarius</i>	TL4463	1km	05/02/2005
bird	Merlin	<i>Falco columbarius</i>	TL4164	1km	15/02/2003
bird	Merlin	<i>Falco columbarius</i>	TL4164	1km	18/12/2003
bird	Osprey	<i>Pandion haliaetus</i>	TL4264	1km	13/04/2013
bird	Peregrine	<i>Falco peregrinus</i>	TL4261	1km	28/03/2003
bird	Peregrine	<i>Falco peregrinus</i>	TL4261	1km	28/03/2003
bird	Peregrine	<i>Falco peregrinus</i>	TL4261	1km	09/12/2003
bird	Peregrine	<i>Falco peregrinus</i>	TL4261	1km	07/02/2011
bird	Peregrine	<i>Falco peregrinus</i>	TL4261	1km	12/12/2013
bird	Peregrine	<i>Falco peregrinus</i>	TL4463	1km	16/01/2011
bird	Peregrine	<i>Falco peregrinus</i>	TL4463	1km	13/10/2011
bird	Peregrine	<i>Falco peregrinus</i>	TL4463	1km	06/12/2011
bird	Quail	<i>Coturnix coturnix</i>	TL4164	1km	26/06/2000
bird	Red Kite	<i>Milvus milvus</i>	TL4261	1km	11/07/2011
bird	Red Kite	<i>Milvus milvus</i>	TL4461	1km	19/05/2011
bird	Red Kite	<i>Milvus milvus</i>	TL4163	1km	10/07/2011
bird	Red Kite	<i>Milvus milvus</i>	TL4261	1km	10/04/2007
bird	Red Kite	<i>Milvus milvus</i>	TL4261	1km	10/04/2007
bird	Red Kite	<i>Milvus milvus</i>	TL4261	1km	01/06/2008
bird	Red Kite	<i>Milvus milvus</i>	TL4261	1km	09/06/2008
bird	Red Kite	<i>Milvus milvus</i>	TL4261	1km	25/03/2011
bird	Red Kite	<i>Milvus milvus</i>	TL4261	1km	28/03/2011
bird	Red Kite	<i>Milvus milvus</i>	TL4261	1km	06/04/2011
bird	Red Kite	<i>Milvus milvus</i>	TL4261	1km	08/04/2011
bird	Red Kite	<i>Milvus milvus</i>	TL4261	1km	09/04/2011
bird	Red Kite	<i>Milvus milvus</i>	TL4261	1km	20/09/2011
bird	Red Kite	<i>Milvus milvus</i>	TL4261	1km	15/02/2012
bird	Red Kite	<i>Milvus milvus</i>	TL4261	1km	08/03/2012
bird	Red Kite	<i>Milvus milvus</i>	TL4261	1km	31/05/2013
bird	Red Kite	<i>Milvus milvus</i>	TL4363	1km	28/03/2010
bird	Red Kite	<i>Milvus milvus</i>	TL4363	1km	23/05/2011
bird	Red Kite	<i>Milvus milvus</i>	TL4463	1km	13/05/2006
bird	Redwing	<i>Turdus iliacus</i>	TL4261	1km	17/03/2003
bird	Redwing	<i>Turdus iliacus</i>	TL4261	1km	28/03/2003
bird	Redwing	<i>Turdus iliacus</i>	TL4261	1km	24/10/2003
bird	Redwing	<i>Turdus iliacus</i>	TL4261	1km	30/12/2003
bird	Redwing	<i>Turdus iliacus</i>	TL4261	1km	17/10/2005
bird	Redwing	<i>Turdus iliacus</i>	TL4261	1km	07/10/2008
bird	Redwing	<i>Turdus iliacus</i>	TL4261	1km	10/10/2013
bird	Redwing	<i>Turdus iliacus</i>	TL4264	1km	11/03/2012

<b>Taxon_group</b>	<b>Common_Name</b>	<b>Latin_Name</b>	<b>Grid_Reference</b>	<b>Precision</b>	<b>Date</b>
bird	Redwing	<i>Turdus iliacus</i>	TL4363	1km	12/03/2000
bird	Redwing	<i>Turdus iliacus</i>	TL4363	1km	10/02/2001
bird	Redwing	<i>Turdus iliacus</i>	TL4363	1km	26/02/2001
bird	Redwing	<i>Turdus iliacus</i>	TL4363	1km	06/01/2002
bird	Redwing	<i>Turdus iliacus</i>	TL4363	1km	09/01/2002
bird	Redwing	<i>Turdus iliacus</i>	TL4363	1km	25/01/2002
bird	Redwing	<i>Turdus iliacus</i>	TL4363	1km	21/03/2002
bird	Redwing	<i>Turdus iliacus</i>	TL4363	1km	03/11/2002
bird	Redwing	<i>Turdus iliacus</i>	TL4363	1km	16/12/2002
bird	Redwing	<i>Turdus iliacus</i>	TL4363	1km	03/01/2003
bird	Redwing	<i>Turdus iliacus</i>	TL4363	1km	31/01/2003
bird	Redwing	<i>Turdus iliacus</i>	TL4363	1km	28/02/2003
bird	Redwing	<i>Turdus iliacus</i>	TL4363	1km	06/11/2003
bird	Redwing	<i>Turdus iliacus</i>	TL4463	1km	14/03/2000
bird	Redwing	<i>Turdus iliacus</i>	TL4463	1km	27/01/2001
bird	Redwing	<i>Turdus iliacus</i>	TL4463	1km	28/02/2001
bird	Redwing	<i>Turdus iliacus</i>	TL4463	1km	04/02/2003
bird	Redwing	<i>Turdus iliacus</i>	TL4463	1km	08/02/2003
bird	Redwing	<i>Turdus iliacus</i>	TL440638	100m	23/01/2011
bird	Redwing	<i>Turdus iliacus</i>	TL449619	100m	07/03/2005
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL4264	1km	23/05/2004
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL4264	1km	11/03/2012
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL4363	1km	26/03/2000
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL4363	1km	05/03/2002
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL4363	1km	21/03/2002
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL4363	1km	21/05/2002
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL4363	1km	18/01/2003
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL4364	1km	24/03/2012
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL4364	1km	24/03/2012
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL441640	100m	12/02/2011
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL441640	100m	28/01/2012
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL441640	100m	29/02/2012
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL441640	100m	17/03/2012
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL424626	100m	11/03/2005
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL4265	1km	14/01/2002
bird	Reed Bunting	<i>Emberiza schoeniclus</i>	TL4265	1km	13/02/2012
bird	Short-eared Owl	<i>Asio flammeus</i>	TL4265	1km	15/11/2004
bird	Skylark	<i>Alauda arvensis</i>	TL4263	1km	11/03/2012
bird	Skylark	<i>Alauda arvensis</i>	TL4264	1km	09/02/2012
bird	Skylark	<i>Alauda arvensis</i>	TL4264	1km	11/03/2012
bird	Skylark	<i>Alauda arvensis</i>	TL4363	1km	29/01/2002
bird	Skylark	<i>Alauda arvensis</i>	TL4363	1km	21/05/2002
bird	Skylark	<i>Alauda arvensis</i>	TL4363	1km	02/11/2003
bird	Skylark	<i>Alauda arvensis</i>	TL4363	1km	14/04/2004
bird	Skylark	<i>Alauda arvensis</i>	TL4363	1km	15/05/2004
bird	Skylark	<i>Alauda arvensis</i>	TL4363	1km	13/02/2012
bird	Skylark	<i>Alauda arvensis</i>	TL4363	1km	13/02/2012
bird	Skylark	<i>Alauda arvensis</i>	TL4364	1km	13/02/2012
bird	Skylark	<i>Alauda arvensis</i>	TL4364	1km	13/02/2012
bird	Skylark	<i>Alauda arvensis</i>	TL4364	1km	11/03/2012
bird	Skylark	<i>Alauda arvensis</i>	TL4364	1km	11/03/2012
bird	Skylark	<i>Alauda arvensis</i>	TL4364	1km	24/03/2012
bird	Skylark	<i>Alauda arvensis</i>	TL4364	1km	24/03/2012
bird	Skylark	<i>Alauda arvensis</i>	TL4364	1km	24/03/2012
bird	Skylark	<i>Alauda arvensis</i>	TL4463	1km	06/07/2003
bird	Skylark	<i>Alauda arvensis</i>	TL4563	1km	28/12/2000
bird	Skylark	<i>Alauda arvensis</i>	TL4563	1km	30/06/2003
bird	Skylark	<i>Alauda arvensis</i>	TL4164	1km	24/03/2012
bird	Skylark	<i>Alauda arvensis</i>	TL4164	1km	24/01/2013
bird	Skylark	<i>Alauda arvensis</i>	TL4265	1km	11/03/2012
bird	Skylark	<i>Alauda arvensis</i>	TL4265	1km	24/03/2012

<b>Taxon_group</b>	<b>Common_Name</b>	<b>Latin_Name</b>	<b>Grid_Reference</b>	<b>Precision</b>	<b>Date</b>
bird	Skylark	<i>Alauda arvensis</i>	TL4265	1km	19/02/2012
bird	Skylark	<i>Alauda arvensis</i>	TL4265	1km	24/03/2012
bird	Song Thrush	<i>Turdus philomelos</i>	TL422627	100m	13/06/2011
bird	Song Thrush	<i>Turdus philomelos</i>	TL4261	1km	29/11/2008
bird	Song Thrush	<i>Turdus philomelos</i>	TL4261	1km	15/03/2012
bird	Song Thrush	<i>Turdus philomelos</i>	TL4261	1km	20/11/2012
bird	Song Thrush	<i>Turdus philomelos</i>	TL4262	1km	Jun-05
bird	Song Thrush	<i>Turdus philomelos</i>	TL4264	1km	09/02/2012
bird	Song Thrush	<i>Turdus philomelos</i>	TL430637	100m	23/05/2004
bird	Song Thrush	<i>Turdus philomelos</i>	TL4363	1km	20/11/2000
bird	Song Thrush	<i>Turdus philomelos</i>	TL4363	1km	21/05/2002
bird	Song Thrush	<i>Turdus philomelos</i>	TL4363	1km	12/07/2002
bird	Song Thrush	<i>Turdus philomelos</i>	TL4363	1km	24/07/2002
bird	Song Thrush	<i>Turdus philomelos</i>	TL4363	1km	25/07/2002
bird	Song Thrush	<i>Turdus philomelos</i>	TL4363	1km	07/05/2003
bird	Song Thrush	<i>Turdus philomelos</i>	TL4363	1km	14/04/2004
bird	Song Thrush	<i>Turdus philomelos</i>	TL4363	1km	13/02/2012
bird	Song Thrush	<i>Turdus philomelos</i>	TL439637	100m	11/03/2012
bird	Song Thrush	<i>Turdus philomelos</i>	TL441640	100m	21/06/2010
bird	Song Thrush	<i>Turdus philomelos</i>	TL441640	100m	01/07/2010
bird	Song Thrush	<i>Turdus philomelos</i>	TL441640	100m	25/07/2010
bird	Song Thrush	<i>Turdus philomelos</i>	TL441640	100m	11/08/2010
bird	Song Thrush	<i>Turdus philomelos</i>	TL441640	100m	18/02/2011
bird	Song Thrush	<i>Turdus philomelos</i>	TL441640	100m	01/03/2011
bird	Song Thrush	<i>Turdus philomelos</i>	TL441640	100m	25/03/2011
bird	Song Thrush	<i>Turdus philomelos</i>	TL441640	100m	21/04/2011
bird	Song Thrush	<i>Turdus philomelos</i>	TL441640	100m	28/04/2011
bird	Song Thrush	<i>Turdus philomelos</i>	TL441640	100m	26/06/2011
bird	Song Thrush	<i>Turdus philomelos</i>	TL441640	100m	28/01/2012
bird	Song Thrush	<i>Turdus philomelos</i>	TL442638	100m	2011
bird	Song Thrush	<i>Turdus philomelos</i>	TL4563	1km	17/12/2000
bird	Song Thrush	<i>Turdus philomelos</i>	TL4164	1km	16/04/2003
bird	Song Thrush	<i>Turdus philomelos</i>	TL4265	1km	17/12/2002
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL4261	1km	28/09/2001
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL4261	1km	26/07/2004
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL4261	1km	30/08/2012
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL4261	1km	25/09/2012
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL4363	1km	11/06/2000
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL4363	1km	16/08/2001
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL4363	1km	18/05/2003
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL4363	1km	30/06/2003
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL4363	1km	15/05/2004
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL4363	1km	06/07/2004
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL438632	100m	28/07/2001
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL441632	100m	20/06/2003
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL443628	100m	22/06/2003
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL443628	100m	06/07/2003
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL4463	1km	08/06/2005
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL445631	100m	12/07/2003
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL445631	100m	22/07/2003
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL445631	100m	24/07/2003
bird	Spotted Flycatcher	<i>Muscicapa striata</i>	TL4164	1km	30/06/2003
bird	Starling	<i>Sturnus vulgaris</i>	TL422627	100m	13/06/2011
bird	Starling	<i>Sturnus vulgaris</i>	TL424620	100m	26/05/2011
bird	Starling	<i>Sturnus vulgaris</i>	TL4261	1km	01/10/2003
bird	Starling	<i>Sturnus vulgaris</i>	TL4262	1km	Jun-05
bird	Starling	<i>Sturnus vulgaris</i>	TL4264	1km	24/03/2012
bird	Starling	<i>Sturnus vulgaris</i>	TL432636	100m	11/03/2012
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	01/01/2000
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	26/02/2001
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	08/01/2002
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	19/04/2002

<b>Taxon_group</b>	<b>Common_Name</b>	<b>Latin_Name</b>	<b>Grid_Reference</b>	<b>Precision</b>	<b>Date</b>
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	16/05/2002
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	18/01/2003
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	06/02/2003
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	15/05/2003
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	28/05/2003
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	04/06/2003
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	05/06/2003
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	09/06/2003
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	09/07/2003
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	02/10/2003
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	09/10/2003
bird	Starling	<i>Sturnus vulgaris</i>	TL4363	1km	13/02/2012
bird	Starling	<i>Sturnus vulgaris</i>	TL4364	1km	11/03/2012
bird	Starling	<i>Sturnus vulgaris</i>	TL4364	1km	11/03/2012
bird	Starling	<i>Sturnus vulgaris</i>	TL439637	100m	24/03/2012
bird	Starling	<i>Sturnus vulgaris</i>	TL441640	100m	21/06/2010
bird	Starling	<i>Sturnus vulgaris</i>	TL441640	100m	28/05/2011
bird	Starling	<i>Sturnus vulgaris</i>	TL441640	100m	26/06/2011
bird	Starling	<i>Sturnus vulgaris</i>	TL4464	1km	13/02/2012
bird	Starling	<i>Sturnus vulgaris</i>	TL4464	1km	24/03/2012
bird	Starling	<i>Sturnus vulgaris</i>	TL440638	100m	23/01/2011
bird	Starling	<i>Sturnus vulgaris</i>	TL449619	100m	23/10/2003
bird	Starling	<i>Sturnus vulgaris</i>	TL424636	100m	24/03/2012
bird	Starling	<i>Sturnus vulgaris</i>	TL4164	1km	29/01/2000
bird	Starling	<i>Sturnus vulgaris</i>	TL4164	1km	25/02/2001
bird	Starling	<i>Sturnus vulgaris</i>	TL4265	1km	13/02/2012
bird	Swift	<i>Apus apus</i>	TL4261	1km	10/09/2002
bird	Swift	<i>Apus apus</i>	TL4261	1km	04/05/2009
bird	Swift	<i>Apus apus</i>	TL4261	1km	27/04/2012
bird	Swift	<i>Apus apus</i>	TL4262	1km	10/05/2005
bird	Swift	<i>Apus apus</i>	TL430637	100m	12/08/2001
bird	Swift	<i>Apus apus</i>	TL4363	1km	07/05/2000
bird	Swift	<i>Apus apus</i>	TL4363	1km	20/06/2002
bird	Swift	<i>Apus apus</i>	TL4363	1km	30/06/2002
bird	Swift	<i>Apus apus</i>	TL4363	1km	18/07/2002
bird	Swift	<i>Apus apus</i>	TL4363	1km	27/07/2002
bird	Swift	<i>Apus apus</i>	TL4363	1km	30/04/2003
bird	Swift	<i>Apus apus</i>	TL4363	1km	27/05/2003
bird	Swift	<i>Apus apus</i>	TL4363	1km	09/07/2003
bird	Swift	<i>Apus apus</i>	TL4363	1km	01/05/2005
bird	Swift	<i>Apus apus</i>	TL4363	1km	26/08/2005
bird	Swift	<i>Apus apus</i>	TL441640	100m	06/07/2010
bird	Swift	<i>Apus apus</i>	TL441640	100m	24/06/2011
bird	Swift	<i>Apus apus</i>	TL4463	1km	02/05/2000
bird	Swift	<i>Apus apus</i>	TL4463	1km	06/07/2003
bird	Swift	<i>Apus apus</i>	TL4463	1km	02/09/2003
bird	Swift	<i>Apus apus</i>	TL4164	1km	25/04/2004
bird	Swift	<i>Apus apus</i>	TL4164	1km	16/07/2013
bird	Swift	<i>Apus apus</i>	TL447632	100m	30/06/2003
bird	Swift	<i>Apus apus</i>	TL447632	100m	09/07/2011
bird	Tree Sparrow	<i>Passer montanus</i>	TL4261	1km	11/10/2010
bird	Tree Sparrow	<i>Passer montanus</i>	TL4261	1km	02/11/2010
bird	Tree Sparrow	<i>Passer montanus</i>	TL4463	1km	25/01/2003
bird	Tree Sparrow	<i>Passer montanus</i>	TL4463	1km	31/01/2003
bird	Tree Sparrow	<i>Passer montanus</i>	TL4463	1km	21/02/2003
bird	Tree Sparrow	<i>Passer montanus</i>	TL4463	1km	03/01/2011
bird	Turtle Dove	<i>Streptopelia turtur</i>	TL4261	1km	13/05/2000
bird	Turtle Dove	<i>Streptopelia turtur</i>	TL4262	1km	09/05/2015
bird	Turtle Dove	<i>Streptopelia turtur</i>	TL426625	100m	30/07/2008
bird	Turtle Dove	<i>Streptopelia turtur</i>	TL4264	1km	07/05/2000
bird	Turtle Dove	<i>Streptopelia turtur</i>	TL4363	1km	07/05/2001
bird	Turtle Dove	<i>Streptopelia turtur</i>	TL4363	1km	16/05/2002

<b>Taxon_group</b>	<b>Common_Name</b>	<b>Latin_Name</b>	<b>Grid_Reference</b>	<b>Precision</b>	<b>Date</b>
bird	Turtle Dove	<i>Streptopelia turtur</i>	TL4363	1km	15/05/2004
bird	Turtle Dove	<i>Streptopelia turtur</i>	TL427635	100m	24/07/2005
bird	Turtle Dove	<i>Streptopelia turtur</i>	TL4463	1km	06/06/2003
bird	Turtle Dove	<i>Streptopelia turtur</i>	TL4463	1km	09/06/2003
bird	Turtle Dove	<i>Streptopelia turtur</i>	TL4463	1km	06/07/2003
bird	Turtle Dove	<i>Streptopelia turtur</i>	TL4164	1km	11/05/2000
bird	Whimbrel	<i>Numenius phaeopus</i>	TL4261	1km	30/07/2003
bird	Whimbrel	<i>Numenius phaeopus</i>	TL4463	1km	29/07/2003
bird	Wryneck	<i>Jynx torquilla</i>	TL4164	1km	18/09/2005
bird	Yellow Wagtail	<i>Motacilla flava</i>	TL449619	100m	10/06/2012
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4261	1km	31/03/2003
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4261	1km	25/12/2010
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4263	1km	24/03/2012
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4363	1km	01/01/2000
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4363	1km	26/03/2000
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4363	1km	26/04/2000
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4363	1km	22/10/2000
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4363	1km	29/09/2001
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4363	1km	29/01/2002
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4363	1km	05/03/2002
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4363	1km	21/03/2002
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4363	1km	09/04/2002
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4363	1km	18/01/2003
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4363	1km	03/05/2003
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4363	1km	30/11/2003
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4363	1km	14/04/2004
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4364	1km	11/03/2012
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4364	1km	24/03/2012
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4463	1km	31/01/2003
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4563	1km	30/06/2003
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL424626	100m	11/03/2005
bird	Yellowhammer	<i>Emberiza citrinella</i>	TL4265	1km	14/01/2002
flowering plant	Black Poplar	<i>Populus nigra subsp. betulifolia</i>	TL46	10km	1970 - 1989
flowering plant	Black Poplar	<i>Populus nigra subsp. betulifolia</i>	TL46	10km	1999
flowering plant	Chicory	<i>Cichorium intybus</i>	TL4461	1km	21/07/2015
flowering plant	Corn Buttercup	<i>Ranunculus arvensis</i>	TL46	10km	1970 - 1989
flowering plant	Corn Marigold	<i>Glebionis segetum</i>	TL46	10km	1990
flowering plant	Corn Spurrey	<i>Spergula arvensis</i>	TL46	10km	07/05/1992
flowering plant	Crosswort	<i>Cruciata laevipes</i>	TL432648	100m	24/05/1994
flowering plant	Crosswort	<i>Cruciata laevipes</i>	TL46B	2km	19/06/2004
flowering plant	Dwarf Spurge	<i>Euphorbia exigua</i>	TL46	10km	1970 - 1989
flowering plant	Dwarf Spurge	<i>Euphorbia exigua</i>	TL4164	1km	16/06/1990
flowering plant	Few-flowered Fumitory	<i>Fumaria vaillantii</i>	TL46	10km	1999
flowering plant	Field Scabious	<i>Knautia arvensis</i>	TL4264	1km	22/08/1997
flowering plant	Field Scabious	<i>Knautia arvensis</i>	TL4264	1km	Nov-98
flowering plant	Field Scabious	<i>Knautia arvensis</i>	TL4264	1km	19/06/2004
flowering plant	Field Scabious	<i>Knautia arvensis</i>	TL46G	2km	Nov-98
flowering plant	Field Scabious	<i>Knautia arvensis</i>	TL4462	1km	Nov-98
flowering plant	Field Scabious	<i>Knautia arvensis</i>	TL46	10km	1970 - 1989
flowering plant	Field Scabious	<i>Knautia arvensis</i>	TL4263	1km	19/06/2004
flowering plant	Field Scabious	<i>Knautia arvensis</i>	TL46	10km	1990
flowering plant	Field Scabious	<i>Knautia arvensis</i>	TL4363	1km	05/06/1994
flowering plant	Field Scabious	<i>Knautia arvensis</i>	TL46G	2km	25/07/1993
flowering plant	Field Scabious	<i>Knautia arvensis</i>	TL46K	2km	24/07/1993
flowering plant	Field Scabious	<i>Knautia arvensis</i>	TL46L	2km	24/07/1993
flowering plant	Field Scabious	<i>Knautia arvensis</i>	TL46	10km	19/06/2004
flowering plant	Field Scabious	<i>Knautia arvensis</i>	TL4461	1km	Sep-14
flowering plant	Henbane	<i>Hyoscyamus niger</i>	TL422625	100m	1989
flowering plant	Henbane	<i>Hyoscyamus niger</i>	TL4262	1km	1970 - 1989
flowering plant	Hoary Plantain	<i>Plantago media</i>	TL46	10km	1992
flowering plant	Hoary Plantain	<i>Plantago media</i>	TL4461	1km	17/07/2016
flowering plant	Large-flowered Hemp-nettle	<i>Galeopsis speciosa</i>	TL46	10km	1970 - 1989

<b>Taxon_group</b>	<b>Common_Name</b>	<b>Latin_Name</b>	<b>Grid_Reference</b>	<b>Precision</b>	<b>Date</b>
flowering plant	Pansy	<i>Viola tricolor subsp. tricolor</i>	TL46	10km	1970 - 1989
flowering plant	Prickly Poppy	<i>Papaver argemone</i>	TL46	10km	19/06/2004
flowering plant	Shepherd's-needle	<i>Scandix pecten-veneris</i>	TL46	10km	1970 - 1989
flowering plant	Strawberry Clover	<i>Trifolium fragiferum</i>	TL46	10km	1999
flowering plant	Treacle-mustard	<i>Erysimum cheiranthoides</i>	TL46	10km	1970 - 1989
flowering plant	Weasel's-snout	<i>Misopates orontium</i>	TL444635	100m	02/08/1981
flowering plant	Wild Strawberry	<i>Fragaria vesca</i>	TL46K	2km	16/05/1994
insect - beetle (Coleoptera)	Adonis' Ladybird	<i>Hippodamia variegata</i>	TL4561	1km	2003
insect - beetle (Coleoptera)	Diplapion stolidum	<i>Diplapion stolidum</i>	TL4561	1km	2003
insect - beetle (Coleoptera)	Diplocoelus fagi	<i>Diplocoelus fagi</i>	TL449622	100m	13/09/2013
insect - beetle (Coleoptera)	Oulimnius major	<i>Oulimnius major</i>	TL449619	100m	2003
insect - butterfly	Small Heath	<i>Coenonympha pamphilus</i>	TL4264	1km	22/05/2004
insect - butterfly	Small Heath	<i>Coenonympha pamphilus</i>	TL441623	100m	21/09/1993
insect - butterfly	Wall	<i>Lasiommata megera</i>	TL4264	1km	15/08/1998
insect - earwig (Dermaptera)	Lesne's Earwig	<i>Forficula lesnei</i>	TL4561	1km	2003
insect - earwig (Dermaptera)	Lesne's Earwig	<i>Forficula lesnei</i>	TL449622	100m	13/09/2013
insect - hymenopteran	Big-headed Mining Bee	<i>Andrena (Hoplandrena) bucephala</i>	TL44746325	10m	13/03/2017
insect - moth	Beaded Chestnut	<i>Agrochola lychnidis</i>	TL4261	1km	1968 - 1973
insect - moth	Blood-vein	<i>Timandra comae</i>	TL4261	1km	1969 - 1973
insect - moth	Blood-vein	<i>Timandra comae</i>	TL4363	1km	1971 - 1973
insect - moth	Brindled Beauty	<i>Lycia hirtaria</i>	TL4261	1km	1969 - 1973
insect - moth	Broom Moth	<i>Ceramica pisi</i>	TL4261	1km	1969 - 1972
insect - moth	Brown-spot Pinion	<i>Agrochola litura</i>	TL4261	1km	1968 - 1973
insect - moth	Brown-spot Pinion	<i>Agrochola litura</i>	TL4363	1km	1972
insect - moth	Buff Ermine	<i>Spilosoma lutea</i>	TL4261	1km	1968 - 1973
insect - moth	Centre-barred Sallow	<i>Atethmia centrago</i>	TL4261	1km	1968 - 1973
insect - moth	Dark Brocade	<i>Mniotype adusta</i>	TL4261	1km	1968 - 1973
insect - moth	Dark Brocade	<i>Mniotype adusta</i>	TL4363	1km	1972 - 1973
insect - moth	Dark Spinach	<i>Pelurga comitata</i>	TL4261	1km	1971
insect - moth	Dark-barred Twin-spot Carpet	<i>Xanthorhoe ferrugata</i>	TL4261	1km	1969 - 1973
insect - moth	Dark-barred Twin-spot Carpet	<i>Xanthorhoe ferrugata</i>	TL4363	1km	1973
insect - moth	Dot Moth	<i>Melanchra persicariae</i>	TL4261	1km	1968 - 1973
insect - moth	Dot Moth	<i>Melanchra persicariae</i>	TL4363	1km	1971 - 1973
insect - moth	Double Dart	<i>Graphiphora augur</i>	TL4261	1km	1968 - 1973
insect - moth	Double Dart	<i>Graphiphora augur</i>	TL4363	1km	1973
insect - moth	Dusky Brocade	<i>Apamea remissa</i>	TL4261	1km	1968 - 1973
insect - moth	Dusky Brocade	<i>Apamea remissa</i>	TL4363	1km	1973
insect - moth	Dusky Thorn	<i>Ennomos fuscantaria</i>	TL4261	1km	1969 - 1973
insect - moth	Dusky-lemon Sallow	<i>Cirrhia gilvago</i>	TL4261	1km	1968 - 1973
insect - moth	Feathered Gothic	<i>Tholera decimalis</i>	TL4261	1km	1968 - 1973
insect - moth	Figure of Eight	<i>Diloba caeruleocephala</i>	TL4261	1km	1968 - 1973
insect - moth	Garden Dart	<i>Euxoa nigricans</i>	TL4261	1km	1968 - 1973
insect - moth	Garden Tiger	<i>Arctia caja</i>	TL4261	1km	1972
insect - moth	Ghost Moth	<i>Hepialus humuli</i>	TL4261	1km	1969 - 1973
insect - moth	Green-brindled Crescent	<i>Allophyes oxyacanthae</i>	TL4261	1km	1968 - 1973
insect - moth	Grey Dagger	<i>Acronicta psi</i>	TL4261	1km	1968 - 1973
insect - moth	Grey Dagger	<i>Acronicta psi</i>	TL4363	1km	1972 - 1973
insect - moth	Knot Grass	<i>Acronicta rumicis</i>	TL4261	1km	1968 - 1973
insect - moth	Knot Grass	<i>Acronicta rumicis</i>	TL4363	1km	1971 - 1973
insect - moth	Lackey	<i>Malacosoma neustria</i>	TL4261	1km	1969 - 1973
insect - moth	Large Nutmeg	<i>Apamea anceps</i>	TL4261	1km	1968 - 1973
insect - moth	Large Nutmeg	<i>Apamea anceps</i>	TL4363	1km	1972 - 1973
insect - moth	Large Wainscot	<i>Rhizedra lutosa</i>	TL4261	1km	1970 - 1973
insect - moth	Large Wainscot	<i>Rhizedra lutosa</i>	TL4363	1km	1973
insect - moth	Latticed Heath	<i>Chiasmia clathrata</i>	TL4261	1km	1969 - 1973
insect - moth	Minor Shoulder-knot	<i>Brachyolomia viminalis</i>	TL4261	1km	1969
insect - moth	Mottled Rustic	<i>Caradrina morpheus</i>	TL4261	1km	1968 - 1973
insect - moth	Mottled Rustic	<i>Caradrina morpheus</i>	TL4363	1km	1973
insect - moth	Mouse Moth	<i>Amphipyra tragopoginis</i>	TL4261	1km	1968 - 1973
insect - moth	Mouse Moth	<i>Amphipyra tragopoginis</i>	TL4363	1km	1972 - 1973
insect - moth	Oak Hook-tip	<i>Watsonalla binaria</i>	TL4261	1km	1970 - 1971
insect - moth	Pale Eggar	<i>Trichiura crataegi</i>	TL4261	1km	1980

<b>Taxon_group</b>	<b>Common_Name</b>	<b>Latin_Name</b>	<b>Grid_Reference</b>	<b>Precision</b>	<b>Date</b>
insect - moth	Pale Shining Brown	<i>Polia bombycina</i>	TL4261	1km	1968 - 1973
insect - moth	Pale Shining Brown	<i>Polia bombycina</i>	TL4363	1km	1973
insect - moth	Powdered Quaker	<i>Orthosia gracilis</i>	TL4261	1km	1968 - 1973
insect - moth	Pretty Chalk Carpet	<i>Melanthia procellata</i>	TL4261	1km	1970
insect - moth	Rosy Minor	<i>Litoligia literosa</i>	TL4261	1km	1976
insect - moth	Rosy Rustic	<i>Hydraecia micacea</i>	TL4363	1km	1972 - 1973
insect - moth	Rustic	<i>Hoplodrina blanda</i>	TL4261	1km	1968 - 1973
insect - moth	Sallow	<i>Cirrhia icteritia</i>	TL4261	1km	1968 - 1971
insect - moth	Shaded Broad-bar	<i>Scotopteryx chenopodiata</i>	TL4261	1km	1969 - 1973
insect - moth	Shoulder-striped Wainscot	<i>Leucania comma</i>	TL4261	1km	1970 - 1971
insect - moth	Small Emerald	<i>Hemistola chrysoprasaria</i>	TL4261	1km	1969 - 1971
insect - moth	Small Phoenix	<i>Ecliptopera silaceata</i>	TL4261	1km	1968
insect - moth	Small Square-spot	<i>Diarsia rubi</i>	TL4261	1km	1968 - 1973
insect - moth	Small Square-spot	<i>Diarsia rubi</i>	TL4363	1km	1970 - 1973
insect - moth	Spinach	<i>Eulithis mellinata</i>	TL4261	1km	1969 - 1973
insect - moth	V-Moth	<i>Macaria wauaria</i>	TL4261	1km	1969 - 1973
insect - moth	White Ermine	<i>Spilosoma lubricipeda</i>	TL4261	1km	1969 - 1973
insect - moth	White-spotted Pinion	<i>Cosmia diffinis</i>	TL4261	1km	1969
insect - true bug (Hemiptera)	Anoscopus albifrons	<i>Anoscopus albifrons</i>	TL449619	100m	2003
reptile	Common Lizard	<i>Zootoca vivipara</i>	TL428638	100m	20/09/2002
reptile	Common Lizard	<i>Zootoca vivipara</i>	TL428638	100m	20/09/2002
reptile	Common Lizard	<i>Zootoca vivipara</i>	TL428638	100m	23/09/2002
reptile	Common Lizard	<i>Zootoca vivipara</i>	TL428638	100m	19/09/2003
reptile	Common Lizard	<i>Zootoca vivipara</i>	TL424620	100m	11/10/2015
reptile	Common Lizard	<i>Zootoca vivipara</i>	TL432615	100m	27/09/2013
reptile	Common Lizard	<i>Zootoca vivipara</i>	TL432615	100m	30/09/2013
reptile	Common Lizard	<i>Zootoca vivipara</i>	TL432615	100m	03/10/2013
reptile	Common Lizard	<i>Zootoca vivipara</i>	TL432615	100m	04/10/2013
reptile	Common Lizard	<i>Zootoca vivipara</i>	TL442637	100m	Apr-12
reptile	Common Lizard	<i>Zootoca vivipara</i>	TL447617	100m	2013
reptile	Grass Snake	<i>Natrix helvetica</i>	TL4265	1km	02/05/2007
terrestrial mammal	Bats	<i>Chiroptera</i>	TL4162	100m	1989
terrestrial mammal	Bats	<i>Chiroptera</i>	TL4262	100m	19/08/1986
terrestrial mammal	Bats	<i>Chiroptera</i>	TL4262	100m	13/05/1999
terrestrial mammal	Bats	<i>Chiroptera</i>	TL4363	100m	13/03/1987
terrestrial mammal	Bats	<i>Chiroptera</i>	TL4363	100m	14/08/1987
terrestrial mammal	Bats	<i>Chiroptera</i>	TL4363	100m	26/06/1989
terrestrial mammal	Bats	<i>Chiroptera</i>	TL4363	100m	22/07/1996
terrestrial mammal	Bats	<i>Chiroptera</i>	TL4364	100m	25/06/2008
terrestrial mammal	Bats	<i>Chiroptera</i>	TL4462	100m	12/07/1987
terrestrial mammal	Bats	<i>Chiroptera</i>	TL4463	100m	16/03/1985
terrestrial mammal	Bats	<i>Chiroptera</i>	TL4563	100m	29/07/1989
terrestrial mammal	Bats	<i>Chiroptera</i>	TL437639	100m	03/02/2011
terrestrial mammal	Brown Hare	<i>Lepus europaeus</i>	TL44046507	10m	02/02/2011
terrestrial mammal	Brown Hare	<i>Lepus europaeus</i>	TL43486167	10m	28/03/2011
terrestrial mammal	Brown Long-eared Bat	<i>Plecotus auritus</i>	TL4262	100m	13/05/1999
terrestrial mammal	Brown Long-eared Bat	<i>Plecotus auritus</i>	TL4262	100m	16/03/2012
terrestrial mammal	Brown Long-eared Bat	<i>Plecotus auritus</i>	TL4363	100m	30/05/1987
terrestrial mammal	Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	TL4262	100m	21/05/2011
terrestrial mammal	Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	TL4363	100m	25/09/2013
terrestrial mammal	Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	TL4364	100m	10/06/2016
terrestrial mammal	Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	TL441625	100m	13/07/2004
terrestrial mammal	Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	TL449619	100m	2014
terrestrial mammal	Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	TL449619	100m	2014
terrestrial mammal	Daubenton's Bat	<i>Myotis daubentonii</i>	TL449619	100m	2014
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	18/02/2002
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	03/07/2002
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	05/07/2002
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	06/07/2002
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	09/07/2002
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	11/07/2002
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	22/07/2002



<b>Taxon_group</b>	<b>Common_Name</b>	<b>Latin_Name</b>	<b>Grid_Reference</b>	<b>Precision</b>	<b>Date</b>
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	12/08/2002
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	19/08/2002
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	03/03/2003
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	18/04/2003
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	18/05/2003
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	20/03/2004
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	07/03/2005
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	06/06/2006
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL46	100m	09/06/2006
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL443617	100m	25/04/2008
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL434641	100m	07/06/2006
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL432614	100m	2013
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL432616	100m	2013
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL437617	100m	2013
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL440615	100m	2013
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	TL440616	100m	2013
terrestrial mammal	European Water Vole	<i>Arvicola amphibius</i>	TL420641	100m	Jul-97
terrestrial mammal	European Water Vole	<i>Arvicola amphibius</i>	TL424632	100m	Jul-97
terrestrial mammal	European Water Vole	<i>Arvicola amphibius</i>	TL42306304	10m	12/04/2015
terrestrial mammal	European Water Vole	<i>Arvicola amphibius</i>	TL420628	100m	Nov-15
terrestrial mammal	European Water Vole	<i>Arvicola amphibius</i>	TL4361	1km	23/09/2013
terrestrial mammal	Noctule Bat	<i>Nyctalus noctula</i>	TL449619	100m	2014
terrestrial mammal	Pipistrelle Bat species	<i>Pipistrellus</i>	TL4261	1km	30/04/1985
terrestrial mammal	Pipistrelle Bat species	<i>Pipistrellus</i>	TL4262	100m	07/07/2003
terrestrial mammal	Pipistrelle Bat species	<i>Pipistrellus</i>	TL4363	100m	02/09/1987
terrestrial mammal	Pipistrelle Bat species	<i>Pipistrellus</i>	TL4462	100m	08/06/1986
terrestrial mammal	Serotine	<i>Eptesicus serotinus</i>	TL4262	100m	06/06/1988
terrestrial mammal	Serotine	<i>Eptesicus serotinus</i>	TL441625	100m	13/07/2004
terrestrial mammal	Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	TL441625	100m	13/07/2004
terrestrial mammal	Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	TL4363	1km	19/09/2007
terrestrial mammal	Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	TL441625	100m	13/07/2004
terrestrial mammal	Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	TL449619	100m	2014
terrestrial mammal	Unidentified Bat	<i>Myotis</i>	TL449619	100m	2014
terrestrial mammal	West European Hedgehog	<i>Erinaceus europaeus</i>	TL441631	100m	01/05/2005

**ECOLOGY AND PROTECTED SPECIES SURVEY  
LAND OFF HOME CLOSE, HISTON, CAMBRIDGESHIRE**

**APPENDIX 3**

**Bat roost units**



A



C

**contact numbers**

sales office 0870 903 4010  
 design advice 0870 903 4018  
 technical services 0870 903 4017  
 literature and samples 0870 903 4030

**ideas into action**  
 eco habitats for bats



B

**Features & Benefits**

**Enclosed bat box (A & B)**

- Designed with the Pipistrelle bat in mind
- Available in all brick types
- Attractive motif
- Discrete home for bats
- Various sizes
- Several roosting zones are created inside the box
- Bats are contained within the Bat Box itself
- Maintenance free as the entrance is at the bottom
- Ideal for new build & conservation work

**Free Access Option (C)**

- Discrete Single Bat brick
- Easy to install
- Allows bats to create a natural home habitat within the cavity of the building

[www.ibstock.com](http://www.ibstock.com)

**ideas into action**  
 eco habitats for bats



A



B



C



Eco Habitats for Bats - Technical Data: A	
Size	250mm x 215mm or 250mm x 235mm
Durability	FD12 - fully frost resistant

Eco Habitats for Bats - Technical Data: B	
Size	250mm x 215mm or 250mm x 235mm
Durability	FD12 - fully frost resistant

Eco Habitats for Bats - Technical Data: C	
Size	250mm x 60mm
Durability	FD12 - fully frost resistant

**3 Boxes for Bats**

**BAT ACCESS PANEL 1FE**

This maintenance-free access panel can be installed in the outer skin of most cavity wall constructions due to its slim 80mm depth. The open rear also allows access into the building cavity so that bats can continue to use an existing roost space.

**Size:** 300x300x80mm  
**Weight:** 7.8kg



**BAT TUBE 1FR**

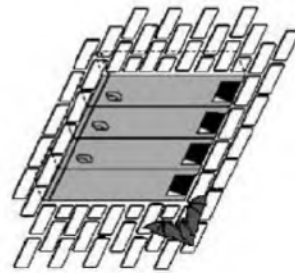
The Bat Tube 1FR requires no maintenance or cleaning. The sloping entrance area allows droppings to simply fall out of the chamber. The 1FR mimics the cavities that species such as the pipistrelles favour and the wooden back panel helps maintain the optimum climatic conditions and also provides surface on which the bats can cling. The depth of this box (125mm) makes it ideal for use in 9" solid walls or where the outer skin of a property is of stone. The box can also be recessed into the wall and rendered over, just leaving the access section clear.

**Size:** 470x200x125mm  
**Weight:** 9.5kg

**BAT TUBE 2FR**

This is a slightly updated version of the 1FR and several can be installed next to each other to create a larger roost. The tubes include an internal panel to increase the roost space and also an optional passage at the rear allowing access into existing cavities.

**Size:** 470x200x125mm  
**Weight:** 9.5kg



**BAT BRICK TYPE 27**

The Type 27 Bat Brick is designed to be built into the structure of buildings and includes a removable front panel for monitoring purposes. An internal roughened wood panel increases the available roost space.

**Size:** 265x180x240  
**Weight:** 9.5kg



**BAT ROOST 1FQ**

This is the latest in bat boxes. Designed to fit to the outside of buildings, the shape and design of the box make it equally attractive as a roost or nursery.

**Size:** 600x350x90mm  
**Weight:** 15kgs

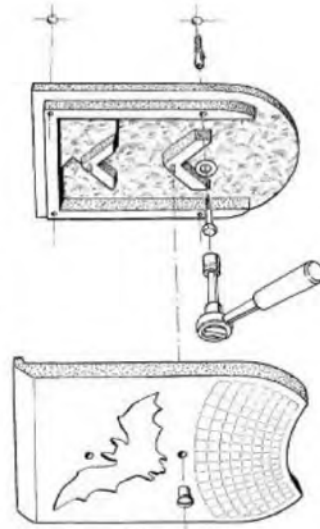


**WINTER BAT ROOST 1WQ**

Based on the successful 1FQ, this box has better insulation properties for use as a winter roost by bats

**Size:** 580x380x115  
**Weight:** 21kg

Both of the above boxes are easily fixed to the outside of a building with two screws and a galvanised bracket as shown below.



# CAVITY BAT ROOST

Wild-x



**Dimensions**  
 A Height: 440mm  
 B Width: 420mm  
 C Depth: (at base): 170mm

**Weight:**  
 12kg

## KEY FEATURES

- Incorporates into structures using standard face materials
- Supplied with ureth and DPM for the cavity tray
- Creates a permanent bat roost that cannot be removed by subsequent occupants
- Unobtrusive 'entrance' means little impact on building appearance
- Suitable for a wide range of bat species



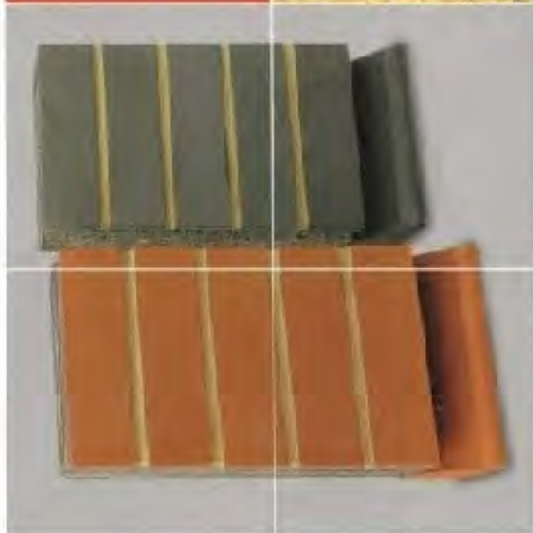
## Distributor:



The entrance is 420mm wide by 50mm high which is typically the width of a normal house brick. The gap of the top of the entrance ramp is approx 20-25mm which is ideal for the smaller bat species.

**Wienerberger**  
 Building Value

**Bat Boxes.**  
 To protect  
 and conserve.



Wienerberger has worked closely with British Bat Conservation to create a world first range of eco-friendly bat boxes, designed to attract and house bats. In the process, the Wienerberger bat box is larger and features an innovative laminated structure which makes it ideal for use in older buildings as it is stronger than most other products available.

The bat box is designed to attract and house common bats found in the UK, such as pipistrelles, haddocks, whiskered and common swifts. Other bat box options are available for other species via special order.

Stronger in design than most other products, the bat box is designed to protect bat species and their habitats. It is now brought to the UK in the form of a range of bat boxes for use in older buildings and for new building projects where bats may live.

Current boxes can help increase the number of bats in your area and meet the requirements of the Code for Sustainable Homes.

Our bat boxes are currently available in 3 standard sizes: small, medium and large. They can be used in any location, but are most effective in the range.

Further detailed information on Wienerberger bat boxes and bat conservation is available at [www.brick.co.uk/batbox](http://www.brick.co.uk/batbox) or contact Design Services on 0161 461 8000



**ECOLOGY AND PROTECTED SPECIES SURVEY  
LAND OFF HOME CLOSE, HISTON, CAMBRIDGESHIRE**

**APPENDIX 4  
Bird box examples**



**Examples of bird boxes with, from left to right:  
a 25mm diameter entrance hole, open fronted and a 28mm diameter entrance hole**



**Examples of sparrow terrace boxes**