

# LONDON STANSTED AIRPORT

Stansted Transformation Programme (STN-TP)

Terminal Extension

Preliminary Ecological Appraisal  
(July 2023)

# Issue and Revision Record

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# 1.0 Introduction

## 1.1 Background

Mott MacDonald Ltd was appointed by Stansted Airport Limited (STAL) in June 2023 to undertake a Preliminary Ecological Appraisal (PEA) to support a planning application for new development around the existing passenger terminal.

The planning application site boundary covers two areas of land within the operational area of Stansted Airport in Essex; one area of land is for the proposed terminal extension (hereafter referred to in this report as 'the Site') and the second is a remote area off Bury Lodge Lane to the west of the airport's runway (hereafter referred to as the 'grassland site') which is proposed for ecological mitigation. No built development or physical interference is planned on the site for ecological mitigation, so the remainder of this report is limited to considering the existing ecological context of the terminal area ('the Site') and then assessing the potential impacts upon ecology in this area.

The proposed development subject of the planning application comprises the partial demolition of the existing Track Transit System and full demolition of 2 no. Skylink walkways and the bus-gate building; the construction of a 3-bay extension to the existing passenger terminal, a baggage handling building, plant enclosure and 3 no. Skylink walkways and associated hardstanding will also take place.

Application plan 2010 details the extent of the planning application boundary in two red lines – indicating both 'the Site' around the rear of the existing terminal and 'the grassland site' adjacent to Bury Lodge Lane. Plan 2901 identifies 'the Site' application boundary only at a greater scale. These can be found within Appendix A of this document.

## 1.2 Aims and Objectives

The aim of this report is to provide a Preliminary Ecological Appraisal of the protected and/or notable habitats and species which occur or have the potential to occur on or near the Site, and which may be impacted by the proposed works. The report follows the 'Guidelines for Preliminary Ecological Appraisal' (CIEEM, 2017).

The objectives are to:

- Identify any designated sites for nature conservation and/or habitats on, near or adjacent to the Survey Area.
- Identify any notable and/or protected plant or animal species of conservation importance, which may occur on or near the Survey Area.
- Identify the presence of any invasive non-native plant or animal species listed on Schedule 9 of the Wildlife and Countryside Act 1981 (as amended) on or adjacent to the Site.
- Recommend further surveys, mitigation and enhancement measures as appropriate.

## 1.3 Zone of Influence

The current guidance on ecological assessments (CIEEM, 2019) recommends that all ecological features that occur within a 'Zone of Influence' (Zol) for a proposed development are investigated. The Zol includes:

- Areas directly within the land take for the proposed developments.
- Areas which will be temporarily affected during construction.
- Areas likely to be impacted by hydrological disruption.
- Areas that will form part of potential construction travel routes.
- Areas where there is a risk of pollution and noise disturbance during construction and/or operation.

The Zol is variable depending on the ecological receptors affected. With respect to this PEA, it is considered as a minimum to be all land within the Site as defined in Section 1.1 of this report.

## 1.4 Legislative and Policy Framework

The construction and operational activities for the proposed works must comply with European and UK nature conservation legislation and with national and local biodiversity policies. The main pieces of legislation in the UK are the Wildlife and Countryside Act 1981 (as amended) and the Conservation of Habitats and Species Regulations 2017 (as amended). The biodiversity policies which are most relevant are the National Planning



Policy Framework (NPPF, 2021) and Biodiversity 2020 (DEFRA, 2011). Also relevant is the Protection of Badgers Act 1992.

This report has been prepared to also address GEN7 of the Uttlesford Local Plan policy, titled Nature Conservation. The policy states:

*Development that would have a harmful effect on wildlife or geological features will not be permitted unless the need for the development outweighs the importance of the feature to nature conservation. Where the site includes protected species, a nature conservation survey will be required. Measures to mitigate and/or compensate for the potential impacts of development, secured by planning obligation or condition, will be required. The enhancement of biodiversity through the creation of appropriate new habitats will be sought.*

Under the Natural Environment and Rural Communities (NERC) Act 2006, all public bodies are required to have regard to biodiversity conservation when carrying out their function. To support this duty a list of habitats and species that are of principal importance for the conservation of biodiversity in England are published under Section 41 of the Act.

## 1.5 Quality Assurance and Environmental Management

All surveys and assessments have been undertaken with reference to the recommendations given in 'BS 42020:2013 Biodiversity: Code of practice for planning and development'.

## 2.0 Methods

### 2.1 Desk Study

An ecological desk study was undertaken in July 2023 using the following information sources:

- Natural England's Multi-Agency Geographic Information for the Countryside (MAGIC) Map Application.
- A PEA survey report issued by RSK Group in 2017, which involved a survey of Stansted Green Car Park situated 212m east of this proposed development.
- An Essex Field Club (EFC) and Essex Wildlife Trust (EWT) biological records search commissioned by Mott MacDonald in November 2021 which covered a 1km radius around the centre of the Site.

A summary of the assessment methods can be found within Appendix B.

### 2.2 UKHabs Habitat Survey

An extended habitat survey of the land within the Site following UKHabs methodology was undertaken on 04 July 2023 by two experienced Mott MacDonald ecologists. The survey followed the UK Habitat Classification (UKHab) survey methodology (Butcher *et al.*, 2020), with the Site systematically walked over and the dominant habitat type in each area recorded. Dominant plant species were noted, as were any that are legally protected (Schedule 8 of the Wildlife and Countryside Act (WCA) 1981, as amended), notable (GB/England Red Listed, Section 41 of the Natural Environment and Rural Communities Act (NERC) 2006), or invasive non-native species listed on Schedule 9 of the WCA 1981 (as amended).

An assessment was also undertaken of the likely presence or absence of legally protected and/or notable animal species within the Zol of the proposed developments. This was based on the known distribution of species, habitat suitability and/or direct evidence such as field signs or observations.

The methodologies and assessment criteria used were based on current published guidance where available.

### 2.3 Assessment of Conservation Importance and Likely Impacts

Conservation importance was assessed for each of the main ecological features (e.g. designated sites, habitats and species) that occur within the Site and Zol. This report assesses conservation importance using the geographical scale of international, national, regional, county and local, in accordance with the CIEEM guidance. The following are some of the criteria that are used in the assessment of the conservation importance: designation of the site; rarity of the species or habitats; presence of Red Data Book (RDB) or endemic species; presence of diverse assemblages of plants or animals; plant communities typical of natural/semi-natural habitats; habitat diversity and connectivity and presence of large populations of species which are uncommon or threatened in a wider context.

### 2.4 Survey Limitations

No ecological walkover provides definitive absence of any particular species from a site, so caution should always be maintained throughout the life cycle of a project. Absence of a species does not mean it is not present, not least because records centre searches are not the result of exhaustive surveys, nor may all field signs be noted by surveyors.

The grassland site had been cut a few days before our visit, so certain plant species that may normally be readily identifiable may have been cut to a short sward and difficult to find, so certain flora species may have been missed. However, the outcome of the habitat classification for this field is not anticipated to change with the inclusion of further species.

Biological record data provided by the Essex Field Club in November 2021 was deemed to be sufficient for this survey, as the data provided was within two years of purchase, and the proximity to the 2021/22 surveys

was within 200m. No additional habitats nor species are anticipated to be present within this space. Due to the tight timeframe of the project, and the small gap between survey and report submission, it was also deemed necessary to use the old data to avoid delays to the project.

## 3.0 Results

### 3.1 Desk Study

#### 3.1.1 Designated Sites for Nature Conservation

##### 3.1.1.1 Statutory Designated Sites for Nature Conservation

One statutory designated site is located within 2km of the site boundary. Elsenham Woods SSSI is situated approximately 1080m north east of the Site, and is recognised for sections of ancient mixed woodland and its complex structure of mosaic woodland types. The SSSI also includes a number of damp grassy rides and small woodland ponds which form valuable additional habitat for invertebrates and birds. The SSSI comprises Eastend Wood and Pledgdon Wood; both woods support a diverse assemblage of species, including the nationally uncommon oxlip.

##### 3.1.1.2 Non-Statutory Designated Sites for Nature Conservation

Information on non-statutory designated sites has been taken from a PEA that was carried out for Stansted Green Car Park which is situated approximately 212m east of the Site (RSK, 2017). The desk study within this report identified three Local Wildlife Sites (LWS) within 1km of the Site's boundary. As such, short descriptions of each designation are noted in the table below. These are listed in order of proximity to the Site which has been updated to work from this survey's site boundary.

Table 1: Summary of non-statutory sites for nature conservation

Site name	Designation	Distance from the Site (m)	Reason for Designation
<b>Pritchett's Spring</b>	LWS	770	Pritchett's Spring LWS is a small woodland dominated by <i>Carpinus betulus</i> (hornbeam) with <i>Corylus avellana</i> (hazel), <i>Fraxinus excelsior</i> (ash) and <i>Quercus robur</i> (pedunculate oak). There is a dense shrub layer in the woodland. The ground flora includes <i>Moehringia trinervia</i> (three-nerved sandwort), <i>Orchis mascula</i> (early-purple orchid) and <i>Primula veris</i> (cowslip).
<b>Molehill Green</b>	LWS	819	Molehill Green LWS comprises unimproved damp grassland, which is a rare Essex habitat type. The grassland is dominated by <i>Agrostis</i> sp. (bent-grasses), <i>Anthoxanthum odoratum</i> (sweet vernal-grass), <i>Carex flacca</i> (glaucous sedge), <i>Deschampsia cespitosa</i> (tufted hair-grass), <i>Festuca</i> sp. (fescues), <i>Holcus lanatus</i> (Yorkshire-fog) and <i>Poa</i> sp. (meadow-grasses). Species of note include <i>Cardamine pratensis</i> (cuckooflower), <i>Galium verum</i> (lady's bedstraw), <i>Silaum silaus</i> (pepper-saxifrage) and <i>Succisa pratensis</i> (devil's-bit scabious).
<b>Molehill Green Meadow</b>	LWS	865	Molehill Green Meadow LWS is a species-rich meadow notable for its population of <i>Primula veris</i> (cowslip).

Source: EWT Essex Wildlife Trust, 2023.

### 3.1.2 Protected and Notable Species

Table 2: Summary of protected species records

Common Name	Scientific Name	Biological Records within 2km	Latest Record	Protection Status
<b>Amphibian</b>				
Common Frog	<i>Rana temporaria</i>	No	-	WCA Sch 5
Common Toad	<i>Bufo bufo</i>	No	-	UKBAP, WCA Sch 5, NERC
Great Crested Newt	<i>Triturus cristatus</i>	Yes	2018	UKBAP, WCA Sch 5 + 6, HabsDir
<b>Reptile</b>				
Common Lizard	<i>Zootoca vivipara</i>	No	-	UKBAP, WCA Sch 5, NERC
Slow Worm	<i>Anguis fragilis</i>	No	-	UKBAP, WCA Sch 5, NERC
Adder	<i>Vipera berus</i>	No	-	UKBAP, WCA Sch 5, NERC
Grass Snake	<i>Natrix natrix</i>	Yes	2020	UKBAP, WCA Sch 5, NERC
<b>Mammal</b>				
Badger	<i>Meles meles</i>	Yes	2019	PBA.
Otter	<i>Lutra lutra</i>	Yes	2018	UKBAP, WCA Sch 5 + 6, HabsDir
Water Vole	<i>Arvicola amphibius</i>	Yes	2018	UKBAP, WCA Sch 5, HabsDir.
Hedgehog	<i>Erinaceus Europaeus</i>	No	-	NERC, UKBAP, WCA Sch 6.
Barbastelle Bat	<i>Barbastella barbastellus</i>	No	-	HabsDir, WCA Sch 5 + 6
Whiskered Bat	<i>Myotis mystacinus</i>	No	-	HabsDir, WCA Sch 5 + 6
Natterers Bat	<i>Myotis nattereri</i>	No	-	HabsDir, WCA Sch 5 + 6
Serotine Bat	<i>Eptesicus serotinus</i>	No	-	HabsDir, WCA Sch 5 + 6
Noctule Bat	<i>Nyctalus noctula</i>	Yes	2020	HabsDir, WCA Sch 5 + 6, NERC, UKBAP
Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	Yes	2018	HabsDir, WCA Sch 5 + 6, NERC, UKBAP
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	Yes	2020	HabsDir, WCA Sch 5 + 6
Brown Long-eared Bat	<i>Plecotus auritus</i>	Yes	2013	HabsDir, WCA Sch 5 + 6, NERC, UKBAP
Daubenton's bat	<i>Myotis daubentonii</i>	No	-	HabsDir, WCA Sch 5 + 6, NERC, UKBAP
Brown Hare	<i>Lepus europaeus</i>	No	-	UKBAP
Hazel Dormice	<i>Muscardinus avellanarius</i>	No	-	HabsDir, NERC, UKBAP, WCA Sch 5 + 6

Source: Essex Field Club, 2021

UKBAP = UK Biodiversity Action Plan  
WCA Sch 5 = Wildlife and Countryside Act, Schedule 5  
NERC = Natural Environment Research Council  
HabsDir = Habitats Directive  
PBA = Protection of Badgers Act

#### 3.1.2.1 Plants

Three protected plant species were returned from the biological records data search; Pyramidal Orchid (*Anacamptis pyramidalis*), Field Scabious (*Knautia arvensis*) and Bee orchid (*Ophrys apifera*). No invasive non-native plant species have been recorded within 2km of the site boundary.

#### 3.1.2.2 Birds

A total of 38 Schedule 1 bird species were returned from the biological records data search. Species of note that are suited to the habitats on site include skylark (*Alauda arvensis*), yellowhammer (*Emberiza citrinella*),

peregrine (*Falco peregrinus*), nightingale (*Luscinia megarhynchos*), red kite (*Milvus milvus*) and redshank (*Tringa totanus*).

Six further UKBAP bird species were also noted to have been recorded within 2km of the site boundary; species include lapwing (*Vanellus vanellus*), cuckoo (*Cuculus canorus*) and house sparrow (*Passer domesticus*).

### 3.1.2.3 Invertebrates

Five UKBAP invertebrate species were returned from the biological records search; purple emperor (*Apatura iris*), small heath (*Coenonympha pamphilus*), shaded broad-bar (*Scotopteryx chenopodiata*), blood-vein (*Timandra comae*) and cinnabar (*Tyria jacobaea*)

### 3.1.3 Great Crested Newt Habitat Suitability Index Assessments

Three ponds were identified within 500m of the proposed development boundary, using aerial imagery provided by the Magic Maps application. These ponds measured at 284m, 327m and 358m from the proposed development boundary and were separated from site almost entirely by hardstanding and busy, frequently used roads. Whilst these are not A road or motorways, they are used as a route to a busy car park in close proximity to the terminal building and a number of hotels and offices. As such, these ponds were scoped out of the GCN HSI. No further ponds/ditches were identified.

Biological record data can be found within Appendix C.

## 3.2 UKHabs Habitat Survey

### 3.2.1 U1b Developed Land, Sealed Surface

Hardstanding was present throughout the Site, predominantly in the form of asphalt roads and footpaths which serve the existing terminal building. Small sections of the apron are also within the Zone of Influence, also comprising asphalt.

### 3.2.2 U1b5 Built Linear Features

The Site comprises two buildings in regular use by passengers of the airport, with one a skylink connecting the main terminal building to a departure pier and the other a 'bus-gate building' for access to remote airport stands by bus. The main terminal building is also within the Zone of Influence, as works will impact the existing structure. As well as these buildings, the Zone of Influence also includes waste compactors, with three in a cluster west of the terminal building, and four in a cluster to the east. Two gas outbuildings are also within the Site, one to the east of the terminal building, one to the west. Two further buildings run adjacent to the site boundary.

Hard standing and buildings are both habitats of negligible ecological significance and have not been assigned levels of importance on the geographical scale.

### 3.2.3 G3c Other Neutral Grassland (secondary code 17, ruderal/ephemeral)

A small section of ruderal/ephemeral other-neutral grassland was present in the south-west corner of Site. Ivy (*Hedera helix*) was the dominant species, with others such as bramble (*Rubus fruticosus*), common ragwort (*Senecio jacobaea*), creeping thistle (*Cirsium arvense*), rosebay willowherb (*Epilobium angustifolium*) and broadleaved dock (*Rumex obtusifolius*) occasional throughout. Dogwood (*Cornus sanguinea*) was frequent in this section, with rare instances of hard rush (*Juncus inflexus*) also present. No notable plant species were present in this habitat, which is commonplace both locally and nationally.

### 3.2.4 G3c Other Neutral Grassland (secondary code 64, mown grassland)

A large area of other neutral grassland was present running through the centre of Site, predominantly from the east, interspersed by footpaths. This grassland comprised up to 50% grass species, with Yorkshire fog (*Holcus lanatus*), small timothy (*Phleum bertolonii*), soft brome (*Bromus hordeaceus*), cocksfoot (*Dactylis glomerata*) and fescue sp. all noted. Species such as lesser hawkbit (*Leontodon saxatilis*) and bristly oxtongue (*Helminthotheca echioides*) were frequent, with others such as cut leaved cranesbill (*Geranium dissectum*), lady's bedstraw (*Galium verum*), creeping bent (*Agrostis stolonifera*), blue fleabane (*Erigeron acer*) and field bindweed (*Convolvulus arvensis*) all occasionally present. Pyramidal orchid (*Anacamptis pyramidalis*), bee orchid (*Ophrys apifera*), selfheal (*Prunella vulgaris*) and restharrow (*Ononis repens*) were rare.

### 3.2.5 Modified Grassland (secondary code 66, regularly mown)

There are patches of modified grassland throughout Site, in smaller areas than the other neutral grassland and more regularly managed. This habitat type was different to the other neutral grassland above, as it was more regularly managed and comprised a far shorter overall sward. It was more common towards the terminal building and areas of higher activity and footfall. These were dominated by creeping bent, with cut leaved cranesbill and cocksfoot occasional. Bristly oxtongue and sedge sp. were present but rare.

A UKHab Habitat Classification map of the application Site boundary can be found within Appendix D.

## 3.3 Protected and Notable Plant Species

No protected, nationally scarce/rare, red-listed or invasive plant species were noted within the application boundary during the survey.

## 3.4 Protected and Notable Animal Species

### 3.4.1 Breeding Birds

No bird nests were observed on site during the survey. Habitats such as other neutral grassland and built linear features provide potential to support nesting birds during the breeding season.

Pied wagtail and grey wagtail were noted on Site during the PEA, but no nests were observed.

A tawny owl pellet was also noted, signifying the presence of this species within the Site on occasion.

Overall, due to the limited opportunities available the breeding bird assemblage within the Zone of Influence is likely to be of Local Importance only; due to its small size and limited connectivity it's likely to support only a very limited number of breeding birds in the context of the wider airport which supports larger areas of breeding and foraging habitats structurally similar to those present within the Site.

All wild birds, their nests and eggs are protected under the Wildlife and Countryside Act 1981 (as amended). It is an offence to take, damage or destroy the nest of any wild bird while it is in use or being built. Species listed on Schedule 1 of the same act are afforded additional protection from disturbance whilst breeding.

### 3.4.2 Bats

The modified grassland and other neutral grassland within the Site provide low quality potential foraging habitats for bats.

The buildings on site and adjacent to site provide negligible roosting opportunities for bats. This has been determined via visual inspection during the PEA, information from the biological records and a wider search of the surrounding habitat and connectivity. Due to the extremely limited connectivity of the Site, the poor quality of foraging habitat on Site compared to the surrounding area, and the high levels of human activity at all times, the buildings were deemed to be of negligible potential to bats. The habitat on site is to be of Site Significance only.

Due to the limited connectivity to further areas of suitable habitat and the general everyday level of disturbance to the proposed development area, the development is not expected to cause any impact to foraging bats in the area.

### 3.4.3 Great Crested Newts

No waterbodies with the potential to support great crested newts (GCN) were identified within 250m of the development footprint. The terrestrial habitat on site would not provide suitable refuge areas for GCN and would have extremely limited connectivity to suitable habitat areas, separated by hardstanding, roads and airport runways. The habitat is of Site-Local Importance for GCN.

Great crested newts are protected under the Wildlife and Countryside Act 1981 (as amended) and the Conservation of Habitat and Species Regulations 2017 (as amended). In summary it is illegal to intentionally or deliberately kill, injure, disturb or capture a great crested newt or damage, destroy or obstruct access to any structure used for breeding or resting. Great crested newts are also listed on Section 41 of the NERC Act 2006.

A Pond Location Plan can be found within Appendix E.

#### 3.4.4 Other Species

The habitats on the Site are not suitable for supporting riparian mammal species such as Otter and Water Vole. No signs of badger were noted during the PEA survey. Due to the size of the habitat's presence and the near constant activity levels of the site, badgers are not anticipated to make use of the Site. The habitats are also too sparse and poorly connected to support hazel dormice.

Rabbits were seen on the Site, with rabbit warrens present underneath the gas outbuildings within both the g3c grassland and the g4 grassland.

# 4.0 Further Surveys and Recommendations for Mitigation and Enhancement

## 4.1 Designated Sites

The proposed works are not anticipated to cause additional impact to any designated sites within a 2km radius, most notably to Elsenham Wood (SSSI), due largely to the distance between the SSSI and the Site.

## 4.2 Further Surveys

Based on the results of the PEA, the following surveys are recommended in order to determine the presence/likely absence and/or population status of protected and notable species.

### 4.2.1 Nesting Birds

Prior to the commencement of construction on site (anticipated to be early 2025), a walkover of the Site should be undertaken by a suitably qualified ornithologist to ensure there are no nesting or Schedule 1 bird concerns on site at the time of construction. With the knowledge of owl presence on and around site, plus the prior finding of lapwing nests within 200m of site, no works should commence before ornithological sign off.

## 4.3 Mitigation

The following mitigation measures will be implemented in order to comply with planning and legislative requirements.

- Development should be designed in such a way to limit loss of habitats suitable for supporting protected and notable species where possible. Due to the operational nature of the terminal site, this is not possible in the immediate environs. As such, as part of the BNG process, it is recommended that habitat enhancement is undertaken elsewhere on the application site (the grassland site off Bury Lodge Lane), to offset the habitat loss caused by the development in the Site (the terminal area).

### 4.3.1 Breeding Birds

Removal of any habitats (grassland) that could be used by nesting birds should be carried out outside of the main bird nesting season, which is February to August inclusive. If this is not possible, a suitably experienced ecologist will need to complete a check no more than 48 hours prior to the start of any clearance. If an active nest is identified, an exclusion zone dependant on species must be established around the nest until the ecologist confirms that the chicks have fledged.

### 4.3.2 Common Species of Mammal

Measures must be taken during construction to ensure any mammals do not become trapped in excavations. Any open excavations should be covered at night or have a 45° ramp installed to allow any trapped animals to escape.

Destruction of the rabbit warrens should be preceded either by translocation or exclusion or, at the very least, humane destruction.

## 4.4 Enhancement

The development should seek to achieve a demonstrable Biodiversity Net Gain (BNG) using a recognised biodiversity metric (e.g., Natural England's Biodiversity Metric 4.0). This is proposed within the application site boundary, at the grassland site situated off Bury Lodge Lane.

The following enhancement measures for fauna are recommended in addition to the habitat-based BNG:

- Refuges and hibernacula for amphibians and reptiles should be created in suitable locations (e.g. as close to existing waterbodies as practicable).



# 5.0 Biodiversity Net Gain (BNG) and BREEAM

## 5.1 Biodiversity Net Gain

In 2016, CIRIA, CIEEM and IEMA developed the UK's first good practice principles for BNG (Baker, 2016). This publication defines BNG as 'development that leaves biodiversity in a better state than before, and an approach where developers work with local governments, wildlife groups, landowners and other stakeholders in order to support their priorities for nature conservation'.

The Environment Act 2021 was granted Royal Assent on 9 November 2021 and contains provisions which will mandate achieving a 10% BNG for most developments (including Nationally Significant Infrastructure Projects). These provisions are expected to come into effect in November 2023 for developments requiring planning permission and in 2025 for Nationally Significant Infrastructure Projects. They will legally require developers to ensure sites are improved for biodiversity, with a 10% increase in habitat value for wildlife compared with the pre-development baseline. This BNG can be achieved through habitat creation or enhancements to existing habitats. All biodiversity enhancements will be required to be maintained for a minimum of 30 years (UK Parliament, 2021).

STAL is undertaking BNG in advance of the provisions coming into force, to ensure the project will deliver a net gain in biodiversity. The project design of the terminal extension does not include any scope for inclusion of habitats due to its very constrained nature, the fact that it is a functioning airfield and with bird strike risk management a key design consideration to maintain aviation safety. However, by enhancing an existing area of g3c grassland that is currently in poor condition, in an appropriate location, a healthy net gain in biodiversity units can be delivered.

Full details can be found in the accompanying Biodiversity Net Gain report (Mott MacDonald, 2023).

The Essex County Council Biodiversity Checklist can be found within Appendix F.

# 6.0 BREEAM

## 6.1.1 LE02: Ecological Risks and Opportunities

### Prerequisite – statutory obligations

**Criterion 1 - The client or contractor confirms compliance is monitored against all relevant UK and EU or international legislation relating to the ecology of the site.**

In line with best practice, compliance is monitored against all relevant UK and EU or international legislation relating to the ecology of the site, as it is stated so in this report, therefore this pre-requisite is considered to have been passed and the credit under LE 02 is available.

### Survey and evaluation (one credit available)

**Criterion 3 - A Suitably Qualified Ecologist (SQE) carries out a survey and evaluation (see Methodology) for the site early enough to influence site preparation works, layout and, where necessary, strategic planning decisions (typically Preparation and brief stage).**

A Preliminary Ecological Appraisal (PEA) of the Site was undertaken in July 2023, following best practice CIEEM guidance. This was undertaken by two Mott MacDonald ecologists, who are considered to have the ecological experience required to meet the criteria of an SQE. In addition, the report has been checked by an SQE (S Allen, CIEEM Number 4623) and as such, this aspect is considered to have been met.

The PEA was written during the outline design phase of the design process, It included recommendations regarding protected species surveys, and input into the forthcoming Ground Investigation surveys have been acted upon. Given the nature of the project, and the exceptionally limited scope for the location, size, layout of the project to be altered, this is considered sufficient to contribute to the Survey and Evaluation credit.

The majority of habitats identified during the PEA were considered to be of lower ecological value, such as developed land and sealed surfaces and modified grassland. As such they did not significantly influence the design of the Scheme. The other neutral grassland on site, of good quality, has been duly noted and will be offset with habitat enhancement at the 'grassland site'. The BNG requirement has influenced commitment to enhance the 'grassland site' habitat within the Zone of Influence of the scheme.

Survey recommendations, for example specific input into the timing, design, programming of works and avoiding key ecological windows. This demonstrates actions required to earn the final part of this credit.

### Determining ecological outcomes (one credit available)

**Criterion 6 – Survey and evaluation criteria relevant to the chosen route (Criterion 2 if following the Foundation route or Criteria 3-5 for the Comprehensive route).**

Criteria 3-5 have been achieved.

**Criterion 7 – The project team liaise and collaborate with representative stakeholders early enough to influence key planning decisions (typically Concept Design stage), to:**

**7a: Identify the optimal ecological outcomes for the site.**

**7b: Identify, appraise and select measures to meet the optimal ecological outcomes for the site (Criterion 7a), in line with the mitigation hierarchy of action, according to the route being used:**

- **Avoidance**
- **Protection**
- **Reduction or limitation of negative impacts**
- **On site compensation**
- **Enhancement, considering the capacity and feasibility within the site, or where viable, off-site**

The scheme design, as already described, dictates that the optimal ecological outcomes have been secured almost entirely by the BNG process, which secures enhancement of other neutral grassland elsewhere in the Zone of Influence of the scheme.

The project team, including client representatives, have been instrumental in undertaking detailed and thorough walkovers of the Site as well as off-site potential enhancement areas. All ecological species were taken into account during the walkover, and thorough discussions were held with bat licensed ecologists to determine the suitability of potential roost sites within the Site. An ornithological walkover has been recommended prior to construction to ensure any nesting birds are suitably protected prior to work starting.

Given the above, it is felt that this credit is earned.

#### 6.1.2 LE03: Managing Impacts on Ecology

##### **Prerequisite – ecological risks and opportunities**

**Criterion – LE 02: ‘Survey and evaluation and determining ecological outcomes’ criteria have been achieved using the Foundation route (Route 1) or the Comprehensive route (Route 2).**

LE 02: ‘Survey and evaluation and determining ecological outcomes’ criteria are considered to have been met. Credits under LE03 are available for the scheme.

##### **Planning and measures on-site (one credit available)**

**Criterion 2 – Further planning to avoid and manage negative ecological impacts on-site is carried out early enough to influence the concept design and design brief as well as site preparation planning (typically Concept Design stage).**

As already described for LE02, works have been undertaken to ensure that impacts on species on site are minimised as far as is possible.

**Criterion 3 – On-site measures for managing negative ecological impacts during site preparation and construction are implemented in-practice (e.g. mitigation measures to protect existing ecological features).**

On-site mitigation measures to manage negative ecological impacts during site preparation and construction have been recommended within this report. This includes sensitive habitat clearance, destructive searches and pre-works ornithological checks.

**Criterion 4 – Criteria 2-3 are based on input from the project team in collaboration with representative stakeholders and data collated as part of the ‘Determining ecological outcomes’ in LE 02: ‘Ecological risks and opportunities’.**

As set out above, collaboration between the project team and relevant stakeholders has been undertaken regularly throughout the project and Criterion 4 is considered to have been met.

The above information means that it is felt that this credit is earned.

##### **Managing negative impacts (up to two credits available)**

**Criterion 7 – Criteria 2-4 have been achieved.**

Criteria 2-4 have been achieved and it considered that Criterion 7 will be achieved.

**Criterion 8 – Negative impacts from site preparation and construction works have been managed according to the mitigation hierarchy, in line with the SQE’s recommendations and, either:**

**8a: No overall loss of ecological value has occurred (two credits); OR where criterion 8a is not possible;**

**8b: The loss of ecological value has been minimised (Minimising Loss) (one credit).**

Vegetation removal will be required in order to facilitate the Scheme. The vegetation is of low ecological value, however it is known to provide habitat for rabbits and is suitable for breeding birds. Avoidance of impacts on these species is not possible, however minimisation of impacts will be ensured by carefully timed habitat clearance, with destructive searches supervised by an SQE undertaken as necessary. It is therefore considered that one credit can be earned.

## 7.0 References

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# Appendices

# A. Stansted Figure Drawings











## B. Summary of Assessment Methods

The importance of an ecological feature is determined on geographical scale, as detailed in Table A.1.

Importance	Feature	Example / Description
International (within Europe)	Sites	<ul style="list-style-type: none"> <li>European Sites including Special Protection Areas (SPAs), Special Areas of Conservation (SACs), candidate SACs and Sites of Community Importance (SCI). Potential SPAs (pSPA), possible SACs (pSACs), Ramsar Sites (designated under international convention) and proposed Ramsar Sites should also be considered in the same manner in accordance with national planning policy.</li> <li>Areas which meet the published selection criteria for those Sites listed above but which are not designated themselves.</li> </ul>
	Habitats	<ul style="list-style-type: none"> <li>Areas of habitat which meet the published selection criteria, informed by discussions with Natural England and field data collected to inform the assessment, for designation as a European Site or Ramsar Site, but which are not themselves currently designated at this level.</li> </ul>
	Species	<ul style="list-style-type: none"> <li>Resident or regularly occurring, populations of species which can be considered at an international or European level where impacts would occur at a European scale.</li> <li>Species or populations which meet the published selection criteria, based on discussions with Natural England and field data collected to inform the assessment, for designation as a European Site or Ramsar Site, but which are not themselves currently designated at this level.</li> </ul>
National	Sites	<ul style="list-style-type: none"> <li>Any nationally designated Site including Site of Special Scientific Interest (SSSIs), National Nature Reserves (NNRs) and National Parks.</li> <li>Areas (and the populations of species which inhabit them) which meet the criteria within the guidelines for selection of biological SSSIs but which are not themselves designated based on field data collected to inform the assessment, and in agreement with Natural England.</li> </ul>
	Habitats	<ul style="list-style-type: none"> <li>Areas of irreplaceable habitats including: Areas of Ancient Woodland (woodland listed within the Ancient Woodland Inventory or identified as meeting the qualifying criteria), ancient or veteran trees, blanket bog, limestone pavement, sand dunes, salt marsh and lowland fen.</li> <li>Areas of UK Biodiversity Action Plan Priority Habitats / Habitats of Principal Importance (HPI).</li> <li>Areas of habitat which meet the definition for habitat listed above but which are not themselves designated.</li> </ul>
	Species	<ul style="list-style-type: none"> <li>Resident or regularly occurring, populations of species which, based on published guidance, can be considered</li> </ul>

		at an international, European, UK or national level where impacts would occur at a national scale.
Regional	Site	<ul style="list-style-type: none"> <li>Designated Sites (non-statutory) including heritage coasts.</li> </ul>
	Habitats	<ul style="list-style-type: none"> <li>Areas of habitats identified (including for restoration) in regional plans or strategies.</li> <li>Regularly occurring HPI which are of regional importance in the context of published information on distribution.</li> </ul>
	Species	<ul style="list-style-type: none"> <li>Species identified in regional plans or strategies</li> <li>Resident or regularly occurring populations of species which can be considered at an international, European or national level where impacts would occur at a regional scale.</li> <li>Populations of SPI, Red listed and legally protected species may be of regional importance in the context of published information on population size and distribution.</li> </ul>
County (Essex)	Sites	<ul style="list-style-type: none"> <li>Wildlife and nature conservation Sites designated at a county (or equivalent level)</li> </ul>
	1. Habitats	<ul style="list-style-type: none"> <li>Areas of habitats identified in county or equivalent authority area plans or strategies.</li> <li>Areas of habitat which meet the published selection criteria for those Sites listed above (for habitats or species, including those listed in relevant Local Biodiversity Action Plans) but which are not themselves designated.</li> </ul>
	1. Species	<ul style="list-style-type: none"> <li>Resident or regularly occurring populations of species which can be considered at an international, European or national level where impacts would occur at a county or unitary authority scale.</li> </ul>
Local	Sites	<ul style="list-style-type: none"> <li>Wildlife and nature conservation Sites designated at a local level</li> </ul>
	Habitats	<ul style="list-style-type: none"> <li>HPI, common and widespread habitats occurring within the study area in proportions greater than may be expected in the local context.</li> <li>Areas of habitats considered to appreciably enrich the habitat resource within the local context including features of importance for migration, dispersal or genetic exchange.</li> </ul>
	Species	<ul style="list-style-type: none"> <li>Populations / communities of SPI, Red listed and legally protected species considered to appreciably enrich the habitat resource within the local context including features of importance for migration, dispersal or genetic exchange.</li> </ul>
Less than local		<ul style="list-style-type: none"> <li>Sites, habitats, and species that are common and widespread and are of low conservation and ecological importance.</li> </ul>

# C. Protected and Notable Species Records

# Essex Recorders partnership Datasearch Report

## Essex Field Club

Registered Charity Number 1113963

*In partnership with*

Basildon Council

Buglife

Butterfly Conservation

Essex Amphibian & Reptile Group

Essex Bat Group

Essex Birdwatching Society

GeoEssex



### Bio and Geodiversity data regarding **Project Stansted PEA BNG Stansted PEA1**

On behalf of

**Mr Ryan Swift  
Mott MacDonald**

EFC4681, 16 Nov 2021

**When information in this report is used in a desk study, Environmental Statement or to support a planning application, then the report must also be put into the public domain and provided in full in the searchable pdf format in which it is supplied and not changed or redacted.**

The Essex Field Club, Registered Charity Number 1113963.

Registered Office: Green Centre, Wat Tyler Country Park, Pitsea Hall Lane, Pitsea, Basildon, Essex SS16 4UH

Website: [REDACTED] Email: [datasearch@essexfieldclub.org.uk](mailto:datasearch@essexfieldclub.org.uk) or Phone: 01375 371571

Basildon Council  
BASILDON • BILLERICAY • WICKFORD



# Essex Recorders partnership

## Essex Field Club

Registered Charity Number 1113963

*In partnership with*

Basildon Council

Buglife

Butterfly Conservation

Essex Amphibian & Reptile Group

Essex Bat Group

Essex Birdwatching Society

GeoEssex



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Basildon Council  
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# Essex Recorders partnership Datasearch Report

Project Stansted PEA BNG  
Search Area: Stansted PEA1  
Our Reference: EFC4681  
Customer Reference: N/A  
Dated: 16 Nov 2021

On behalf of:

Mr Ryan Swift  
Mott MacDonald

This report was compiled using records held by the County Recorders of the Essex Field Club, Basildon Council, Buglife, Butterfly Conservation, Essex Amphibian & Reptile Group, Essex Bat Group, Essex Birdwatching Society, GeoEssex and available at the time of creation.

Enclosed within this report is the following information specific to the enquiry site area:

All of a Buzz in Thames Gateway Sites	<input checked="" type="checkbox"/>
B-lines	<input checked="" type="checkbox"/>
Nature Improvement Areas	<input checked="" type="checkbox"/>
Special Areas of Conservation	<input checked="" type="checkbox"/>
Special Protection Areas	<input checked="" type="checkbox"/>
Ramsar Sites	<input checked="" type="checkbox"/>
Marine Conservation Zones	<input checked="" type="checkbox"/>
Sites of Special Scientific Interest details	<input checked="" type="checkbox"/>
Areas of Outstanding Natural Beauty	<input checked="" type="checkbox"/>
Local Nature Reserves	<input checked="" type="checkbox"/>
Country Parks	<input checked="" type="checkbox"/>
Common Land	<input checked="" type="checkbox"/>
Ancient Woodland Inventory	<input checked="" type="checkbox"/>
Wood-Pasture and Parkland Inventory	<input checked="" type="checkbox"/>
Traditional Orchard Inventory	<input checked="" type="checkbox"/>
Priority Habitat Inventory	<input checked="" type="checkbox"/>
Invertebrate Assemblage Information	<input checked="" type="checkbox"/>
Protected Species	<input checked="" type="checkbox"/>
Priority Section 41 Species	<input checked="" type="checkbox"/>
National Red List and Scarce Species	<input checked="" type="checkbox"/>
Essex Red Data List Species	<input checked="" type="checkbox"/>
All Species Records	<input type="checkbox"/>
Invasive Species	<input checked="" type="checkbox"/>
Geological Sites	<input checked="" type="checkbox"/>

## **1. Introduction**

Biological species recording is largely undertaken by committed naturalists on a voluntary basis and on land with public access. Recording is much more rarely undertaken for planning and development purposes, or such data subsequently provided to centralised biological recording specialists, the County Recorders. Desk studies can therefore only ever provide guidance on what is already known about the species recorded in an area, and absence of species records for a search area does not mean they may not occur. For any site with potential nature conservation significance a full ecological site appraisal should be undertaken and species surveys carried out to complement the information contained in this report.

### **Copyrights**

Ownership of the data used in this report remains with the original recorder, Essex Field Club and the Essex Recorders partnership. Copyright of this report remains the property of the Essex Recorders partnership and reproduction is strictly prohibited, except as part of a desk study or to support a planning application, when the data use restrictions must be included.

All site boundaries have been mapped using Ordnance Survey OS OpenData subject to the OS OpenData Licence. Persons viewing this material should contact Ordnance Survey for advice if they wish to licence Ordnance Survey data for their own use.

### **Data accuracy**

The Essex Recorders partnership does not guarantee the accuracy of any information supplied and shall have no liability for any loss, damage or expense incurred as the result of reliance on any information supplied.

The Essex Recorders partnership can only provide information based on the data held by us. In particular, the absence of records for a species does not necessarily indicate that the species itself is absent, merely that it not been recorded, that we have not received records for it or the data are unavailable in suitable format at this time.

### **Access and use of data**

The data provided in this report must not be added to a permanent database without the prior permission of the Essex Recorders partnership or copyright holder. Resale or transfer to third parties is strictly prohibited.

When information in this report is used in a desk study or Environmental Statement to support a planning application, then the report must be put into the public domain and provided in full and not changed or redacted. Data must not be used without inclusion of the data use restrictions.

When publishing information derived from these data, the Essex Field Club, Essex Recorders partnership and any other copyright holders and the date of receipt must be acknowledged.

The data held by the Essex Recorders partnership is updated regularly and will become out-of-date. If you intend to use this data after a period of six months please contact us to confirm that we have no new records.

### **Designations**

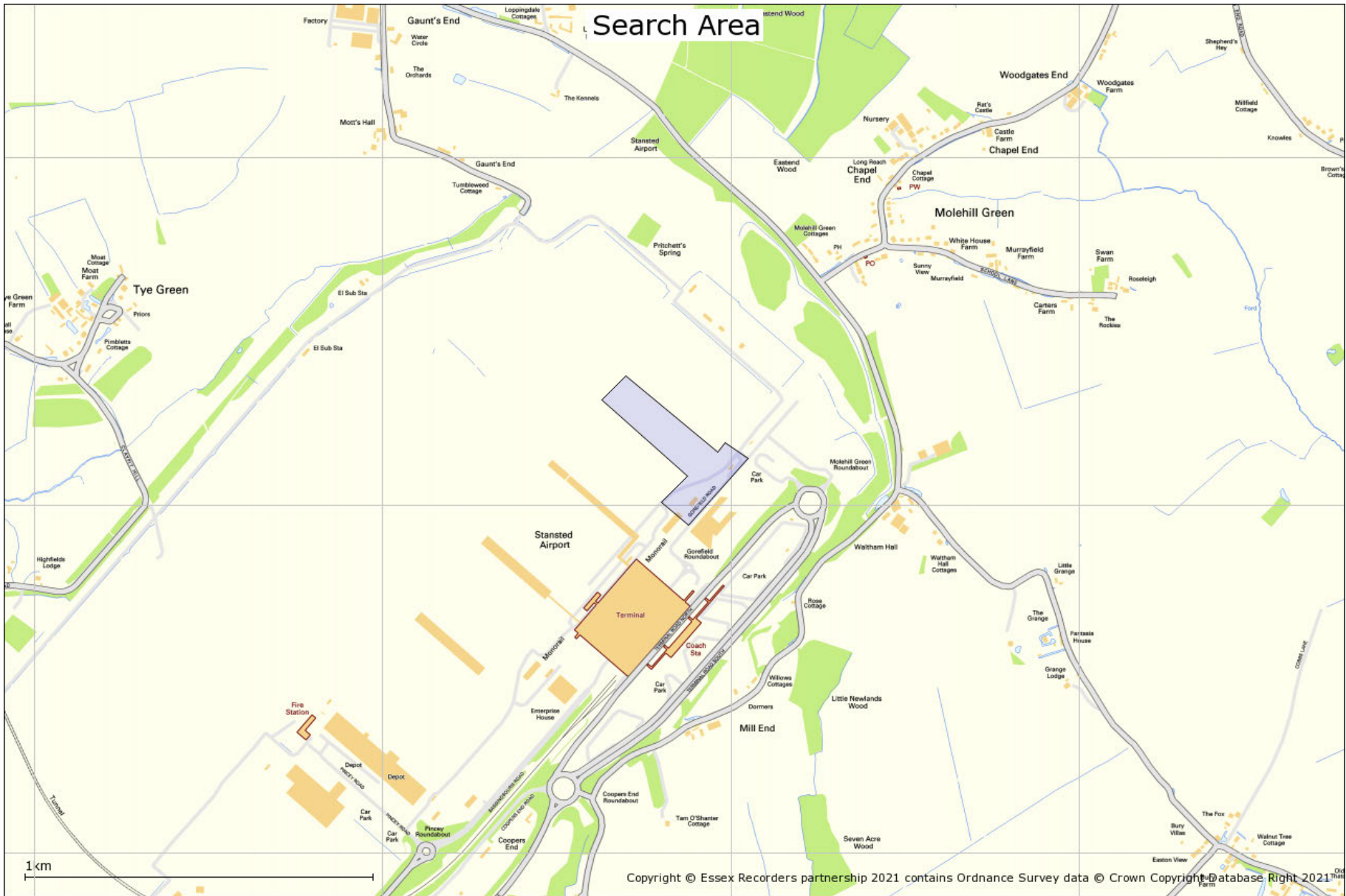
Except for Essex designations included in the Essex Biodiversity Action Plan or Essex Red Data List, or where otherwise indicated, designations used in this report are derived from the Joint Nature Conservation Committee (JNCC) Master list regardless of the status of the species in the county.

## 2. Data available through the Essex Recorders partnership

This report provides access to the following species datasets:

<b>Data Provider</b>	<b>Species Group</b>	<b>County Coverage</b>
EFC/Essex Amphibian & Reptile Group	amphibians and reptiles	County data
Essex Field Club	honey bee and bumblebees	Countywide data
Essex Field Club	bees and wasps	County data
Essex Field Club	ants	County data
Essex Field Club	beetles	Available county data
Essex Field Club	centipedes and millipedes	County data
Essex Field Club	hoverflies	Available county data
Essex Field Club	soldier flies and allies	County data
Essex Field Club	flies (other)	County data
Essex Field Club	grasshoppers, crickets and allies	County data
Essex Field Club/Butterfly Conservation	butterflies	County data
Essex Field Club/Essex Moth Group	larger moths	County data
Essex Field Club/Essex Moth Group	micro moths	County data
Essex Field Club	leafhoppers and allies	Available county data
Essex Field Club	true bugs	Available county data
Essex Field Club	spiders	County data
Essex Field Club	harvestmen	County data
Essex Field Club	pseudoscorpions	County data
Essex Field Club	flowering plant	Available county data
Essex Field Club	woodlice	County data
Essex Field Club	dragonflies & damselflies	Available county data
Essex Field Club	non-vascular plants	Available county data
Essex Field Club	other Hymenoptera	County data
Essex Field Club	molluscs	County data
Essex Field Club	lichens	Sample of data
Essex Field Club	fungi	Available county data
Essex Field Club	other mammals	County data
Essex Field Club	bats	County data
Essex Field Club	galls	Available data
Essex Field Club	Invasive species	Available data
Essex Field Club	birds	Club records
Essex Field Club/From the UK Caddisfly Recording Scheme dataset (2019)	caddisflies	County/National Recording Scheme data
Essex Field Club	slime moulds	Small number of records
EFC Schemes	EFC Schemes records	EFC Schemes records
Essex Bat Group	bats	Dataset
Essex Birdwatching Society	birds, with incorporated Birdtrack data	County data





## Sections on site designations

The following sections provide data on site designations in relation to the datasearch request search area. For statutory designated conservation sites, these are provided on maps expanded to cover a 5km radius.

We cannot currently provide information on Local Wildlife Sites. For these contact the local authority or see Essex Wildlife Trust and



### **3. All of a Buzz in the Thames Gateway**

**No All of a Buzz in the Thames Gateway sites are identified in relation to the search area**

## 4. Nature Improvement Areas (NIAs)

See [www.naturalengland.org.uk/ourwork/conservation/biodiversity/funding/nia/default.aspx](http://www.naturalengland.org.uk/ourwork/conservation/biodiversity/funding/nia/default.aspx)

Nature Improvement Areas (NIAs) were introduced by the Government's Natural Environment White Paper to 'enhance and reconnect nature on a significant scale' in England.

Nature Improvement Areas encompass areas of land that include natural features and wildlife habitats but also include roads, housing developments and other man-made elements. They are areas that have been identified for their opportunities to restore nature at a landscape-scale alongside other land-uses.

These areas will become much better places for wildlife – creating more and better-connected habitats at a landscape scale, providing space for wildlife to thrive and adapt to climate change.

They will help people as well as wildlife – through enhancing a wide range of benefits that nature provides, such as recreation opportunities, flood protection, cleaner water and carbon storage.

NIAs should enhance existing ecological networks by:

- Increasing the number of wildlife sites
- Increasing the size of existing wildlife sites
- Improving connectivity between sites
- Creating wildlife corridors
- Improving the management of existing wildlife sites

The twelve initial NIAs extend from Morecambe Bay in the North West to the Wild Purbeck in the South West. One affecting Essex is the Greater Thames Marshes NIA in the south of the county.

**No Nature Improvements Areas are identified near the search area**

## 5. B-Lines network

Map shows routes within the B-Lines network, identified by Buglife and a wide range of conservation and landowner partners. B-Lines aims to coordinate the delivery of wildflower-rich habitats to aid pollinator movement across the landscape. For more information visit [www.buglife.org.uk/b-lines](http://www.buglife.org.uk/b-lines)

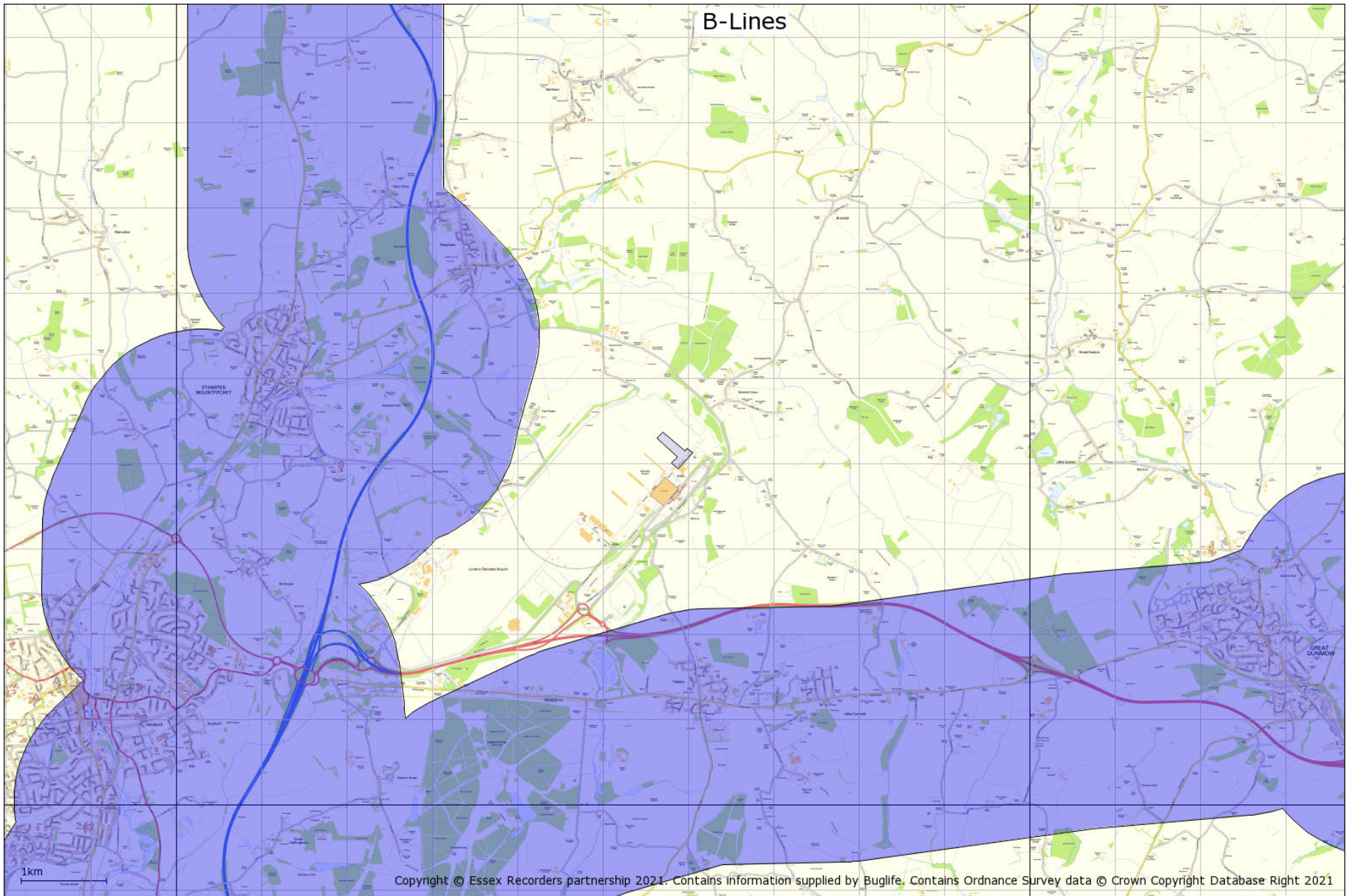
B-Lines is a landscape scale initiative to enhance declining pollinator populations by connecting up the best remaining wildflower-rich habitats through the creation or restoration of wildflower habitats. B-Lines was identified as a method to reverse pollinator declines in the National Pollinator Strategy's Implementation Plan, by aiding their movement across the fragmented landscape.

B-Lines are 3km corridors within which wildflower habitat restoration and creation can be focused and co-ordinated to maximise gains for pollinators. Habitat can be delivered by organisations, landowners, businesses, communities or individuals. Contribution to the B-Lines can be achieved through a variety of wildflower enhancement methods, such as habitat restoration (e.g. scrub clearance/re-introducing management/green haying), wildflower meadow creation in species poor grasslands, wildlife gardens, landowners entering agri-environment schemes, orchard planting, disturbance management and brownfield habitat creation, bee friendly formal planting, living roofs, etc.

Where relevant, planning applications in or around B-Lines should consider what they can contribute to the growing resources of pollinators in B-Lines. This will help to ensure that mitigation proposals align with ongoing work in the surrounding area for pollinators. It is important to note, however, that any planning applications should seek to protect and enhance the wildlife interests of all taxonomic groups and habitats, not pollinators and their requirements in isolation.

Buglife's online B-Lines hub includes an interactive map where habitat work can be uploaded to collate information on wildflower enhancements across the UK, as well as specific pollinator advice.

**B-Lines identified in relation to the search area are shown on the map.**



## 6. Special Areas of Conservation

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A Special Area of Conservation (SAC) is an area which has been given special protection under the European Union's Habitats Directive. SACs provide increased protection to a variety of wild animals, plants and habitats and are a vital part of global efforts to conserve the world's biodiversity.

See 

**No Special Area/s of Conservation are identified in relation to the search area**

## 7. Special Protection Areas

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A Special Protection Area (SPA) is an area of land, water or sea which has been identified as being of international importance for the breeding, feeding, wintering or the migration of rare and vulnerable species of birds found within the European Union. SPAs are European designated sites, classified under the European Wild Birds Directive which affords them enhanced protection.

See 

**No Special Protection Area/s are identified in relation to the search area**



## 8. Ramsar sites

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Ramsar sites are wetlands of international importance, designated under the Ramsar Convention.

Wetlands are defined as areas of marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, including areas of marine water the depth of which at low tide does not exceed six metres.

Ramsar sites may also incorporate riparian (banks of a stream, river, pond or watercourse) and coastal zones adjacent to the wetlands, and islands or bodies of marine water deeper than six metres at low tide lying within the wetlands.

### What is the Ramsar Convention?

The Ramsar Convention is an international agreement signed in Ramsar, Iran, in 1971, which provides for the conservation and good use of wetlands. The UK Government ratified the Convention and designated the first Ramsar sites in 1976.

See 

**No Ramsar Site/s are identified in relation to the search area**

## 9. Marine Conservation Zone/s

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Marine Conservation Zones (MCZs) are a type of Marine Protected Area. They protect areas that are important to conserving the diversity of nationally rare or threatened habitats and/or species and those places containing habitats and/or species that are representative of the biodiversity in our seas.

The Marine and Coastal Access Act 2009 (Part 5) enables Defra Ministers to designate and protect Marine Conservation Zones (MCZs). These are a type of marine protected area, which will exist alongside European marine sites [Special Areas of Conservation (SACs) and Special Protected Areas (SPAs)], SSSIs and Ramsar sites to form an ecologically coherent network of marine protected areas.

See 

**No Marine Conservation Zone/s are identified in relation to the search area**

## 10. National Nature Reserves

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England's National Nature Reserves (NNRs) represent many of the finest wildlife and geological sites in the country. Our first NNRs emerged in the postwar years alongside the early National Parks, and have continued to grow since then.

Natural England is the body empowered to declare NNRs in England, the Reserves being a selection of the very best parts of England's Sites of Special Scientific Interest. It is this underlying designation which gives NNRs their strong legal protection. The majority also have European nature conservation designations.

Nearly every type of vegetation is found in England's NNRs, from coastal salt-marshes, dunes and cliffs to downlands, meadows and the subtle variations of our native woodlands. Scarce and threatened habitats such as chalk downs, lowland heaths and bogs and estuaries are conserved in NNRs.

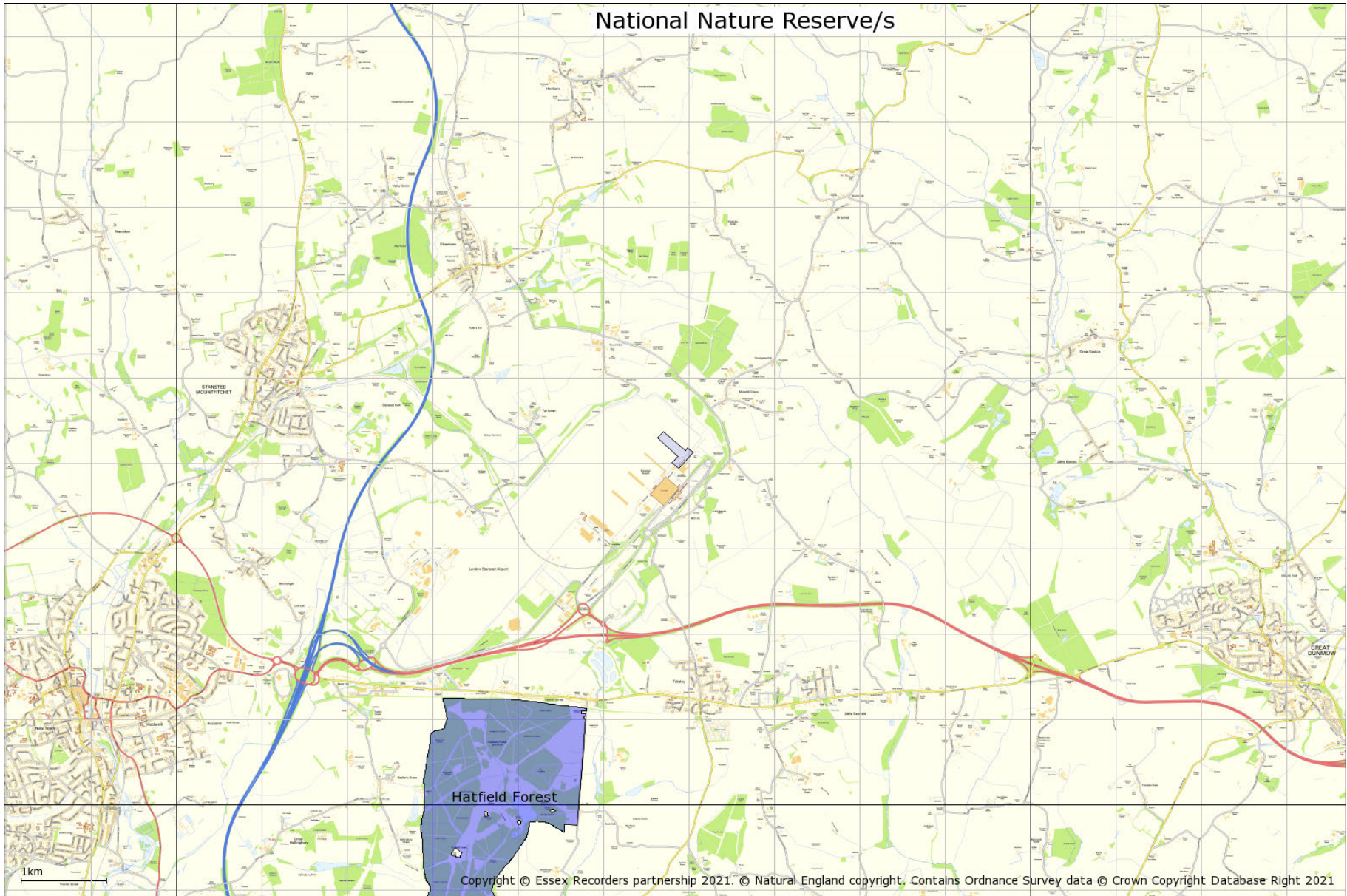
Many NNRs contain nationally important populations of rare flowers, ferns and mosses, butterflies and other insects, and of course nesting and wintering birds. Examples include unique alpine plants at Upper Teesdale and the beautiful field of fritillary lilies at North Meadow, Cricklade, Wiltshire.

See 

**There is 1 National Nature Reserve/s identified in relation to the search area.**

Hatfield Forest

# National Nature Reserve/s



## 11. Sites of Special Scientific Interest

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There are over 4,100 Sites of Special Scientific Interest (SSSIs) in England, covering around 7% of the country's land area. Over half of these sites, by area, are internationally important for their wildlife, and designated as Special Areas of Conservation (SACs), Special Protection Areas (SPAs) or Ramsar sites. Many SSSIs are also National Nature Reserves (NNRs) or Local Nature Reserves (LNRs).

SSSIs are the country's very best wildlife and geological sites. They include some of our most spectacular and beautiful habitats - large wetlands teeming with waders and waterfowl, winding chalk rivers, gorse and heather-clad heathlands, flower-rich meadows, windswept shingle beaches and remote uplands moorland and peat bog.

It is essential to preserve our remaining natural heritage for future generations. Wildlife and geological features are under pressure from development, pollution, climate change and unsustainable land management. SSSIs are important as they support plants and animals that find it more difficult to survive in the wider countryside. Protecting and managing SSSIs is a shared responsibility, and an investment for the benefit of future generations.

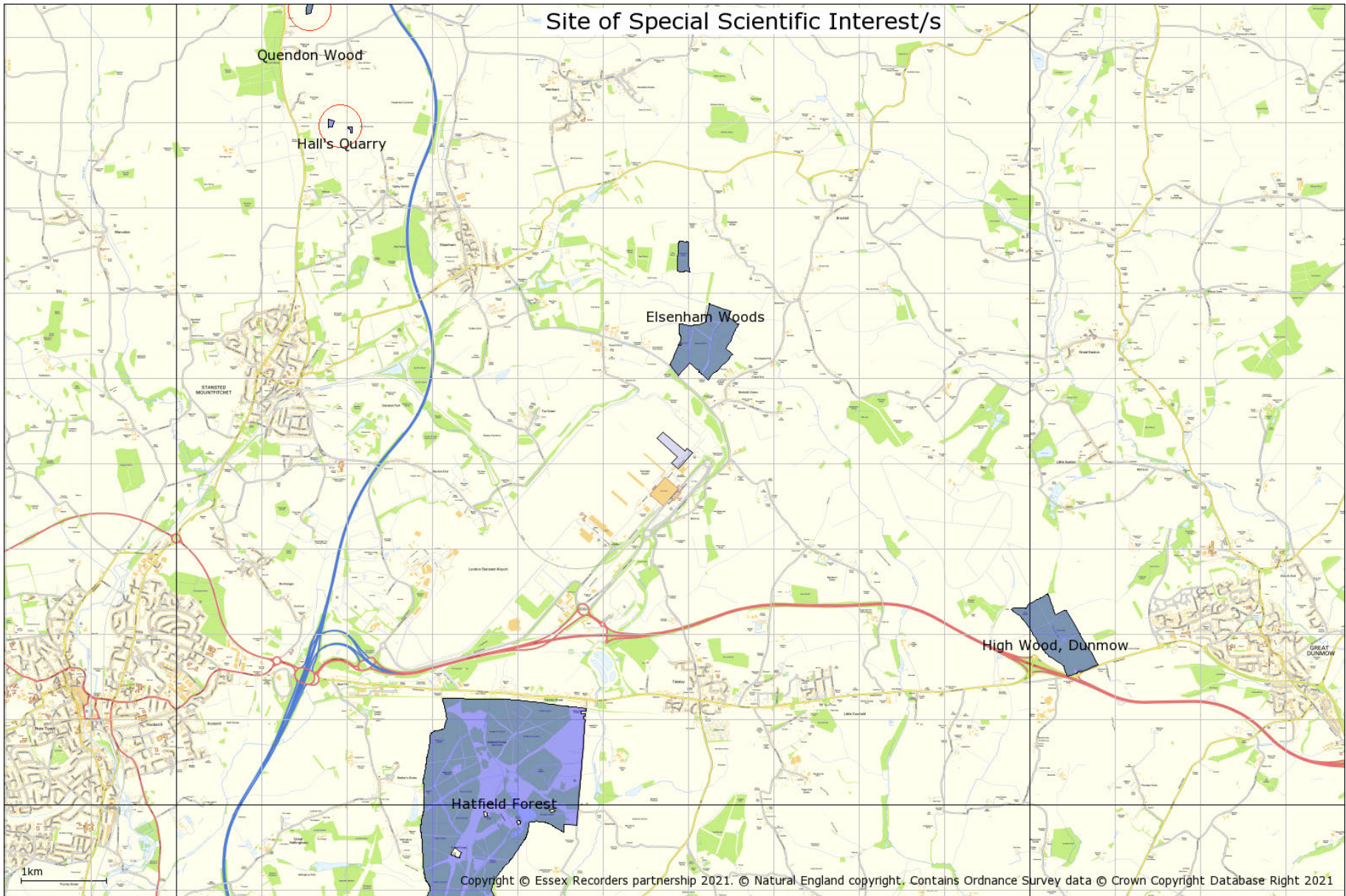
See 

Impact Risk Zones (IRZs) are a GIS tool developed by Natural England to make a rapid initial assessment of the potential risks posed by development proposals to: Sites of Special Scientific Interest (SSSIs), Special Areas of Conservation (SACs), Special Protection Areas (SPAs) and Ramsar sites. They define zones around each site which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts. For information on SSSI Impact Risk Zones (IRZs) is available from Natural England

**There are 5 Site of Special Scientific Interest/s identified in relation to the search area.**

Elsenham Woods  
Hall's Quarry  
Hatfield Forest  
High Wood, Dunmow  
Quendon Wood





## **12. Areas of Outstanding Natural Beauty**

AONBs are designated areas where protection is afforded to protect and manage the areas for visitors and local residents. Under the Countryside and Rights of Way Act 2000, Natural England has the power to designate areas of outstanding natural beauty (AONBs) in England that are outside national parks and that are considered to have such natural beauty it is desirable they are conserved and enhanced; issue a variation order to change an existing AONB boundary. It also holds a duty to give advice on developments taking place in an AONB; take into account the conservation and enhancement of AONBs in its work.

Two AONBs are relevant to Essex, the Dedham Vale AONB and the extended Suffolk Coast and Heaths Area of Outstanding Natural Beauty which sees the AONB expand by around 38 square kilometres, taking in a rich tapestry of attractive river valleys, ancient woodland, reed beds, wildlife-rich estuaries, and windswept beaches. The area includes the Stour estuary – one of the most important wildlife estuaries in Europe and of international importance for wildfowl and waders.

**No Areas of Outstanding Natural Beauty are identified in relation to the search area**

### 13. Local Nature Reserves

© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right [2021]. NB This national dataset is “indicative” not “definitive”. Definitive information can only be provided by individual local authorities and you should refer directly to their information for all purposes that require the most up to date and complete dataset.

Local Nature Reserve (or LNR) is a statutory designation made under Section 21 of the National Parks and Access to the Countryside Act 1949, and amended by Schedule 11 of the Natural Environment and Rural Communities Act 2006, by principal local authorities.

Local Nature Reserves (LNRs) are for both people and wildlife. They are places with wildlife or geological features that are of special interest locally. They offer people special opportunities to study or learn about nature or simply to enjoy it.

By declaring Local Nature Reserves (LNRs), local authorities can provide many benefits for both people and wildlife.

To:

- increase people's awareness and enjoyment of their natural environment
- provide an ideal environment for everyone to learn about and study nature
- help to build relationships with national and local nature conservation organisations and local people protect wildlife habitats and natural features provide a great opportunity for people to become involved in managing their local environment offer a positive use for land which they would prefer was left undeveloped make it possible to apply bye-laws which can help in managing and protecting the site.

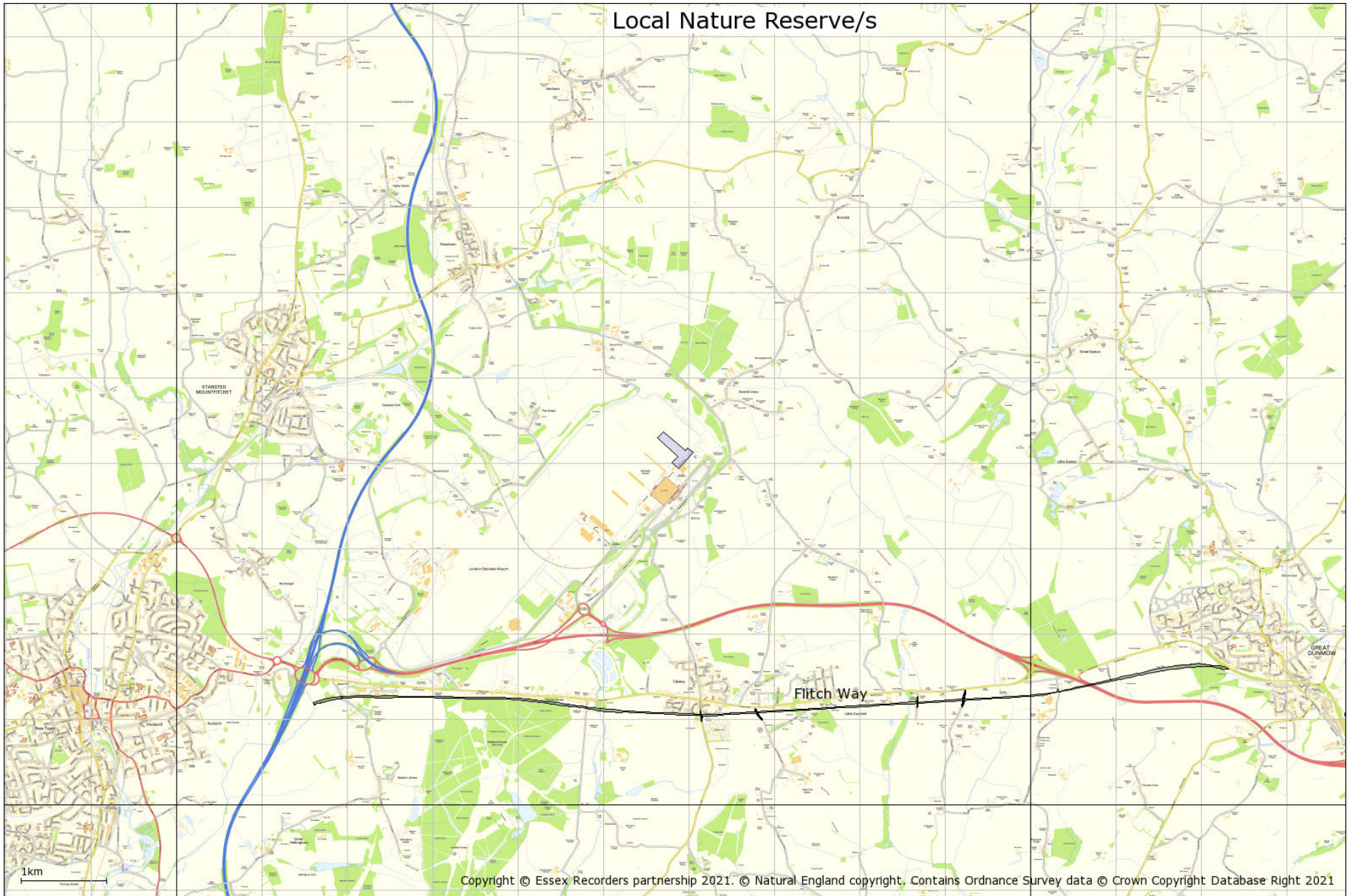
See [REDACTED]

**There is 1 Local Nature Reserve/s identified in relation to the search area.**

Flitch Way



# Local Nature Reserve/s



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## 14. Country Park/s

Natural England recognises country parks as significant places that contribute to England's accessible natural greenspace.

Many are located near or within towns and cities and therefore close to where people live. All provide a wide range of opportunities for recreation, health and education and improve the quality of life for their local communities.

Country Parks were established as a result of the 1968 Countryside Act and there are currently more than 400 sites that call themselves Country Parks in England. They are visited by over 70 million visitors a year.

They are public green spaces often at the edge of urban areas which provide places to enjoy the outdoors and experience nature in an informal semi-rural park setting. Country Parks normally have some facilities such as a car park, toilets, perhaps a cafe or kiosk, paths and trails, and visitor information. There is not necessarily public right of access, although most are publicly accessible; some charge entry others do not.

See 

**No Country Park/s are identified in relation to the search area**

## 15. Open Country and Common Land

### **Conclusive Map Data of Open Country:**

Created under the Countryside and Rights of Way (CROW) Act 2000, the Open Country (OC) data was digitised from OS MasterMap by the contractors Black and Veatch Consulting Limited on behalf of the Countryside Agency. It consists of all land that appears to the Countryside Agency to consist wholly or predominantly of mountain, moor, heath and down and is not registered common land. It includes any modifications determined by the Planning Inspectorate as a result of appeals. It includes areas of land that are excepted from the rights of access as specified in Part 1 of Schedule 1 of the CROW Act. It may be amended for certain errors under current error regulations. The map must be reviewed not more than 10 years after its issue in conclusive form.

### **Conclusive Map Data of Registered Common Land:**

Created under the CROW Act 2000, the Registered Common Land (RCL) data was digitised from DNF Landline by the contractors Geodata on behalf of the Countryside Agency. It is a digitised copy of land registered as common land under the Commons Registration Act 1965. It includes any modifications determined by the Planning Inspectorate as a result of appeals. It includes areas of land that are excepted from the rights of access as specified in Part 1 of Schedule 1 of the CROW Act. It may be amended for certain errors under current error regulations. The map must be reviewed not more than 10 years after its issue in conclusive form.

#### Important Notes:

There is no right of access to land shown as OC or RCL until the relevant Commencement Order for the area becomes effective.

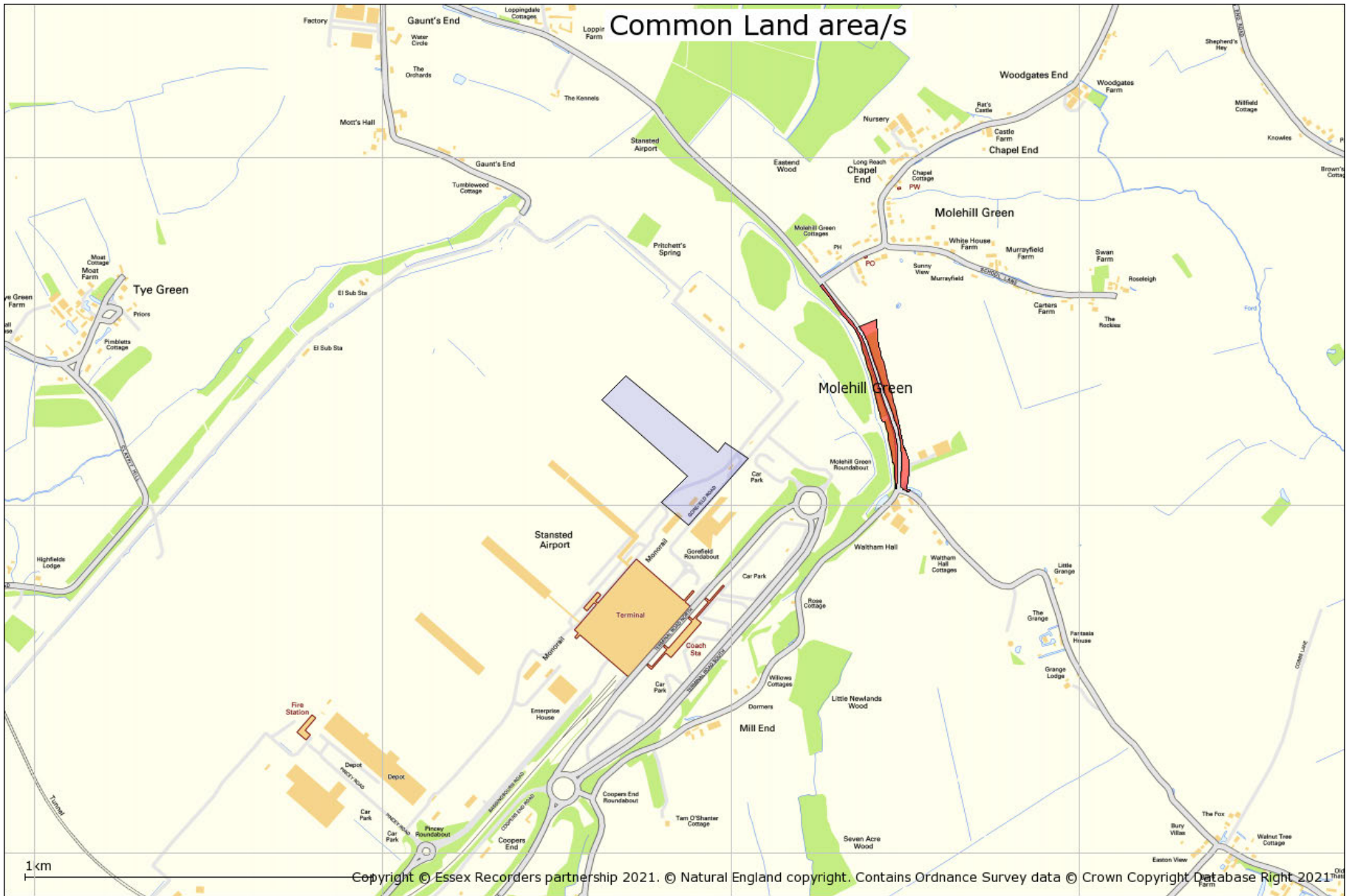
There is no right of access to land shown as OC or RCL where such land meets any of the descriptions of excepted land as specified in Part 1 of Schedule 1 of the CROW Act. This includes areas of land such as racecourses, aerodromes and military byelaw land.

There may be restrictions on the right of access in some areas of land. Under the CROW Act, landowners or tenants of access land have a 28-day allowance of restrictions each calendar year and can also apply for longer term restrictions. Digital data of restrictions to the rights of access will not be made available to third parties. All restrictions can be viewed on the website [www.countrysideaccess.gov.uk](http://www.countrysideaccess.gov.uk). More information about restrictions can be found here: [www.openaccess.gov.uk](http://www.openaccess.gov.uk)

**No Open Country area/s are identified in relation to the search area**

**There is 1 Common Land area/s identified in relation to the search area. (Red polygon/s)**

Molehill Green



## 16. Ancient Woodland Inventory

Ancient Woodlands (England). © Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right [2021]

Ancient woodland is land that has had a continuous woodland cover since at least 1600 AD and may be ancient semi-natural woodland (ASNW), which retains a native tree and shrub cover that has not been planted, although it may have been managed by coppicing or felling and allowed to regenerate naturally, or plantation on ancient woodland sites (PAWS) where the original tree cover has been felled and replaced by planting, often with conifers, and usually over the last century.

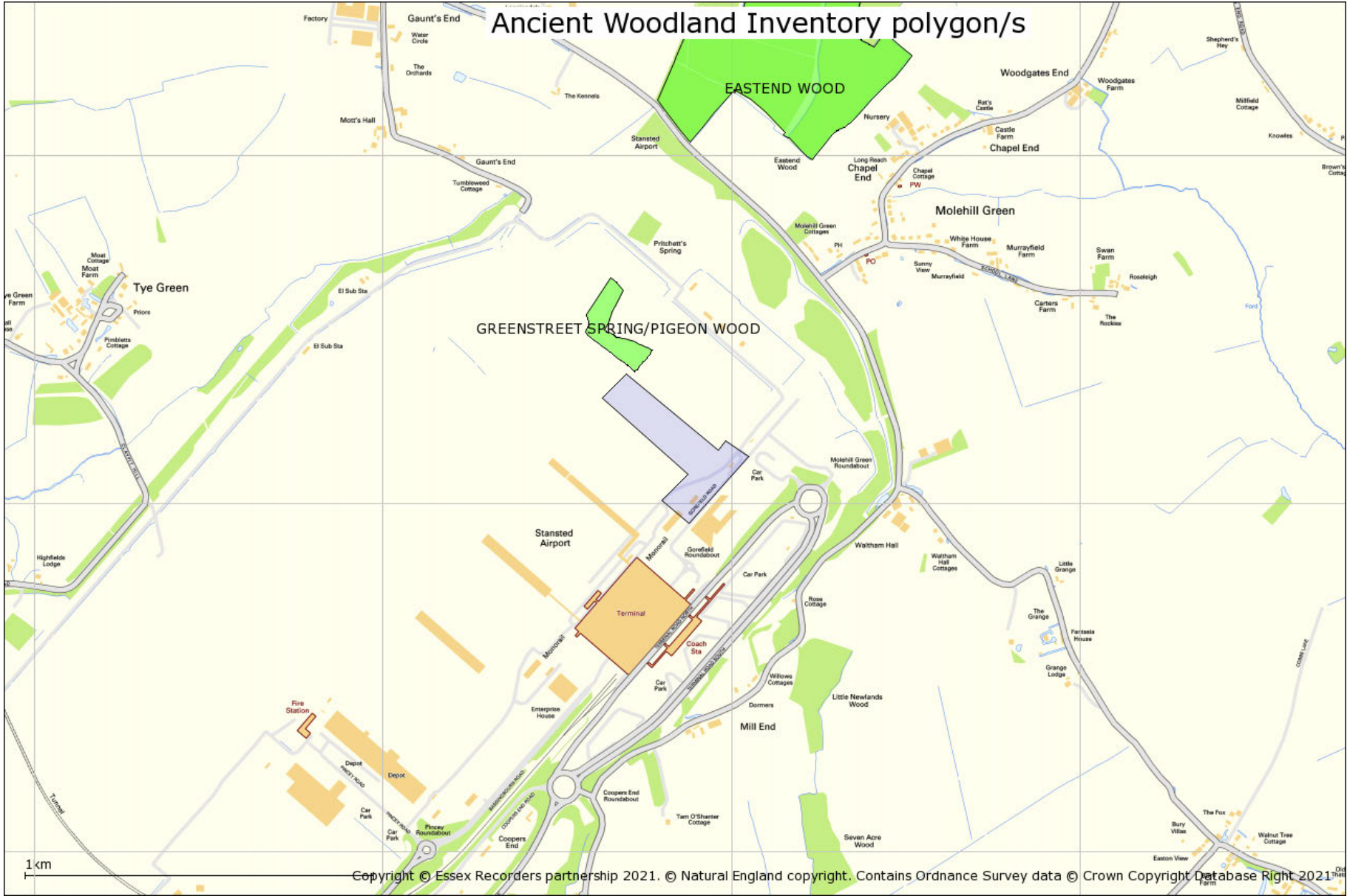
See [www.naturalengland.org.uk/about\\_us/whatwedo/partnership/casestudies/ancientwoodland.aspx](http://www.naturalengland.org.uk/about_us/whatwedo/partnership/casestudies/ancientwoodland.aspx)

**There are 2 Ancient Woodland Inventory polygon/s identified in relation to the search area.**

EASTEND WOOD

GREENSTREET SPRING/PIGEON WOOD





## **17. Wood-Pasture and Parkland BAP Priority Habitat Inventory**

Natural England Wood-Pasture and Parkland BAP Priority Habitat Inventory for England (England) v2.0© Natural England [2021], reproduced with the permission of Natural England, [www.naturalengland.org.uk/copyright/](http://www.naturalengland.org.uk/copyright/). © Crown Copyright and database rights [2021] Ordnance Survey licence number 100022021.

Parkland was defined as areas with a minimum of 3 trees, excluding boundary trees, which had less than 250 m between trees. Park extent was mapped to boundary features where park trees were less than 100 m from the boundary or the boundary included a large tree which was less than 250 m from a park tree.

Some areas of woodland were included where possible park trees were present. Some open areas and wooded areas were not removed as the precise extent of parkland habitat was difficult to determine from aerial photography.

Cemeteries and churchyards were excluded unless they were entirely within the park boundary.

The minimum mappable unit for the inventory was 0.25ha. Metalled roads and rivers were excluded according to Natural England mapping rules, therefore some areas <0.25ha may be present if separated by a road.

**No Wood-Pasture and Parkland BAP Priority Habitat Inventory polygon/s are identified in relation to the search area**

## 18. Traditional Orchard Inventory

Natural England Traditional Orchard Inventory (Provisional) for England© Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right [2021]

### Definitions

#### Traditional Orchard

For the purpose of the inventory, Traditional Orchards are defined as sites where at least five fruit trees must be present with no more than 20m between their crown edges. Traditional Orchards are managed in a low intensity way with the orchard floor grazed or mown for hay and with little or no chemical input.

#### The Traditional Orchard Inventory for England

The inventory identifies Traditional Orchard sites in England. Traditional Orchards are located using aerial photography, Ordnance Survey MasterMap, external datasets compiled from historic surveys, and ground survey ("ground-truthing"). The information recorded about each orchard and stored on the Inventory Database includes its grid reference, its area in hectares, management features of the site and its condition (based on condition assessment criteria).

#### Limitations of the Traditional Orchard Inventory:

The inventory is classed as 'provisional' because it is under a constant system of review and is updated as new information is received or actual changes are recorded. If you have information that would help Natural England to update the inventory please let them know.

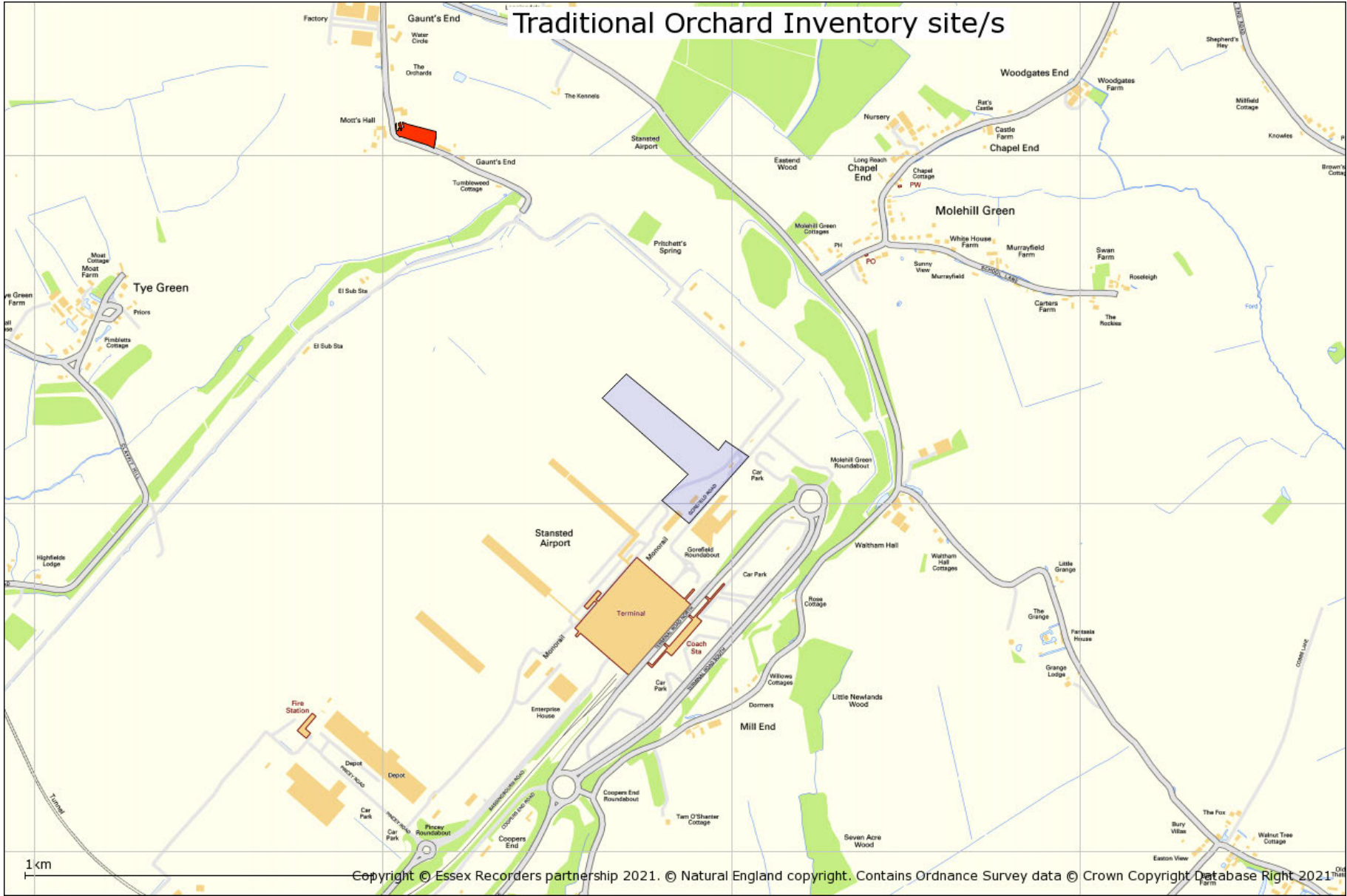
#### Traditional Orchards HAP Definition

Traditional orchards are defined, for priority habitat purposes, as groups of fruit and nut trees planted on vigorous rootstocks at low densities in permanent grassland; and managed in a low intensity way. Cobnut plats are also included.

The minimum size of a traditional orchard is defined as five trees with crown edges less than 20m apart. However, the potential biological and genetic interest of sites with fewer trees, such as relict orchards and individual trees within gardens is noted. Where appropriate these should be considered as potential restoration sites. It is recognised that other sites which fall outside the definition, such as organic bush orchards and fruit collections in walled gardens may also have biodiversity value, as well as historic, cultural and genetic importance.

**There is 1 Traditional Orchard Inventory site/s identified in relation to the search area.**





## 19. Priority Habitat Inventory

Natural England Priority Habitat Inventory © Natural England copyright. Contains Ordnance Survey data © Crown copyright and database right [2021]

Natural England's Priority Habitats' Inventory (PHI) is a spatial dataset that describes the geographic extent and location of priority habitats in England. The PHI has been developed to replace twenty-four separate Biodiversity Action Plan (BAP) priority habitat inventories.


PHI maps habitats of principal importance for biodiversity in England. These were previously known as Biodiversity Action Plan priority habitats.

The PHI represents the best available information on priority habitats at an England-wide level; it is not and will never be a definitive dataset for priority habitats across England. As such it should be recognised that the PHI provides a generalised map of the priority habitats in an area.

Marine and freshwater habitats are not currently included, nor are Arable field margins, Hedgerows, Inland rock and scree habitats. Some other habitats, such as Open mosaic habitats on previously developed land and Wood-pasture and parkland are also not included in PHI, but have their own separate inventories.

**Priority Habitat Inventory identified in relation to the search area are shown on the map.**

# Priority Habitat Inventory

 Traditional orchard



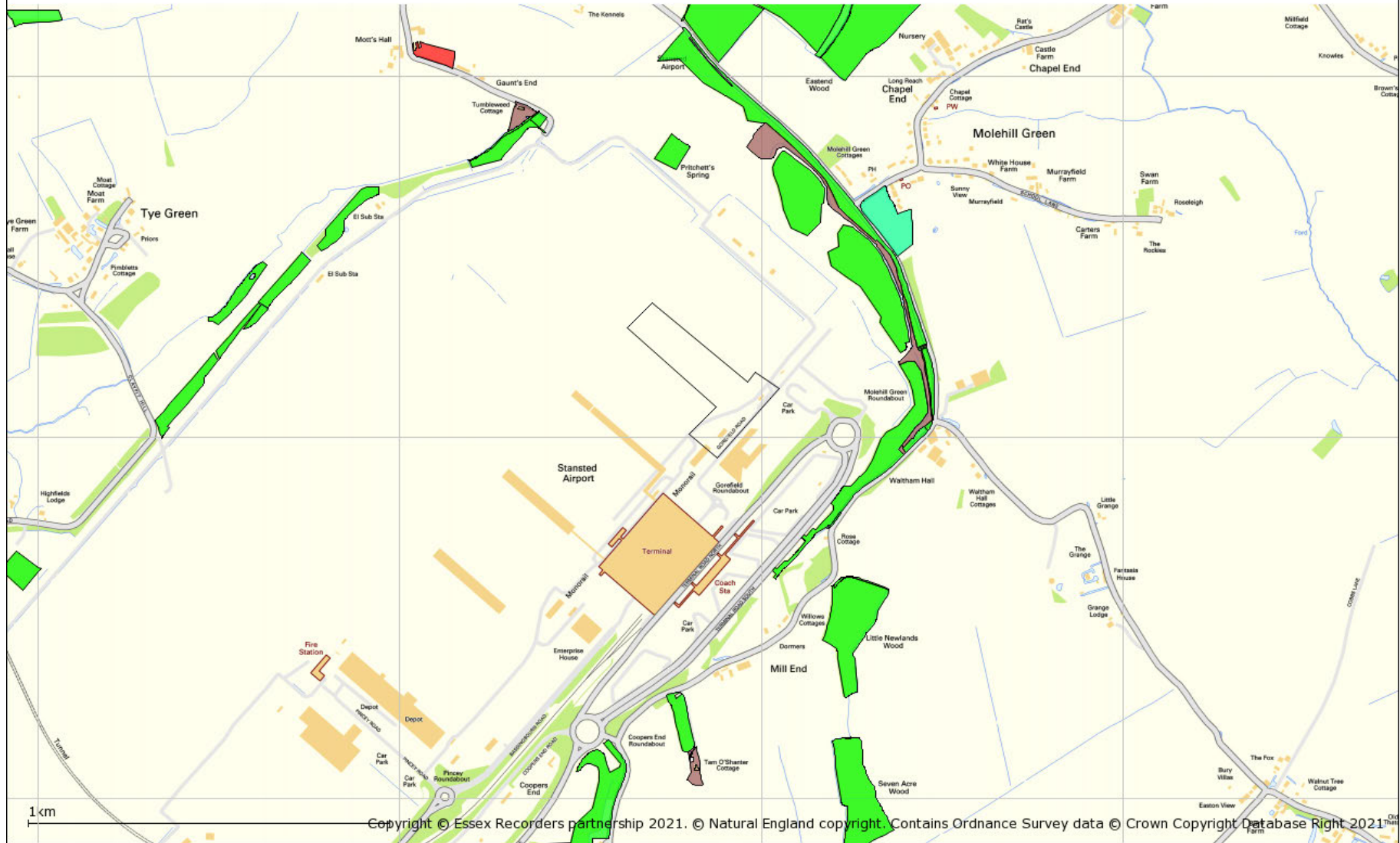
Deciduous woodland



Good quality semi-improved grassland



No main habitat but additional ha



## Species data

The following sections provide species data in accordance with the datasearch request. Non-county designations are based on the JNCC Master List which provides information on the conservation listings of different taxa. Please note that species records are included for all 1km squares crossed by the search area. This is because many records are made at 1km resolution, and they could have been recorded anywhere within the 1km square. The data is provided for the search area on this basis and not the wider area shown on the site designation maps.

Search polygons which are not a radius from a point include a 1km extension outside the polygon boundary extents. Search polygons made up of a corridor may however include data from a wider area as defined by the east, west, south and north edges of the area.

Natural England provides new standard advice on how to address invertebrates and their habitats within the planning system. The standard advice is hosted at



## 20. Invertebrate Assemblage Information

This information is based on the use of Natural England's ISIS (2010) methodology. Assemblages are identified from records for the search area and 1km squares crossed by the search area. Please note: these assemblages are identified from existing data and the results only indicate significance already identified from untargeted survey. Specific targeted specialist survey work should be undertaken of the search area to further evaluate identified invertebrate assemblages and identify others which may be important.

### Broad Assemblage Types

Invertebrate assemblages are helpful in identifying nature conservation significance of a recorded invertebrate fauna. The following Broad Assemblage Types are highlighted:

#### Broad Assemblage Types identified:

arboreal canopy	close to favourable condition
wood decay	favourable condition
unshaded early successional mosaic	favourable condition
grassland & scrub matrix	close to favourable condition
shaded field & ground layer	important assemblage
permanent wet mire	important assemblage

### Specific Assemblage Types

Specific Assemblage Types (SATs) are characterised by ecologically restricted species and are generally only expressed in lists from sites with conservation value. They have intrinsic value for nature conservation and are designed to be used in setting invertebrate conservation objectives on SSSIs (Lott, 2008).

#### Specific Assemblage Types identified:

heartwood decay	
bark & sapwood decay	
fungus fruiting bodies	
epiphyte fauna	important assemblage
bare sand & chalk	
open short sward	
reedfen and pools	
scrub edge	favourable condition
rich flower resource	
scrub-heath & moorland	

## 21. Protected Species

Protected species have protection under national legislation such as the Wildlife and Countryside Act 1981 and European legislation such as the Habitats Directive.

Please note the following:

(1) If there is no record of a particular protected species, this does not signify that the species is absent from the site in question. It may mean that it has not been recorded, that the site has not been surveyed for this species, or that data relating to its presence has not been made available to us.

(2) The presence of a protected species record does not mean that the species is still present. It means that the species was recorded at that time and place. The implications of the record should be further evaluated, and a survey to establish the current status may be required.

(3) The following summary of legislation is designed purely as a basic guide, if any action is to be taken regarding any of the protected species listed, then it is imperative that the full relevant legislation be consulted.

(4) Information on Badger setts is available from the four Essex Badger Groups by contacting them direct: Essex Badger Protection Group covers the south of the county - [REDACTED]; North East Essex Badger Group, north to the Suffolk border - [REDACTED]; Uttlesford Badger Group covers west Essex - [REDACTED]; Harlow Badger Group covers Harlow and Epping Forest Districts - [REDACTED]

### WILDLIFE PROTECTION LEGISLATION IN ENGLAND

Legislation that protects wildlife in England exists at the European and national level.

#### European Law

The Bern Convention on the Conservation of European Wildlife and Natural Habitats (1979) was aimed at ensuring conservation and protection of all wild plants and animals, increasing cooperation between states, and affording special protection to the most vulnerable or threatened species. It was implemented by the EC Birds Directive (Council Directive 79/409/EEC) and the EC Habitats Directive (Council Directive 92/43/EEC).

The Bonn Convention on Migratory Species of Wild Animals (1979 & 1994) requires the protection of migratory animals. It was implemented by the EC Birds Directive (Council Directive 79/409/EEC) and the EC Habitats Directive (Council Directive 92/43/EEC).

The EC Habitats Directive aims to establish a network of protected areas in order to maintain the distribution and the abundance of threatened species and habitats. A number of species are listed in the annexes.

Annex II lists animals and plants whose conservation requires the designation of Special Areas of Conservation (SACs).

Annex IV lists animals and plants in need of strict protection. For the animals, this prohibits deliberate capture, killing, disturbance (especially during breeding period), destruction or taking of eggs from wild, and destruction or deterioration of breeding sites or resting places. For the plants, this prohibits deliberate picking, collecting, uprooting, cutting, destruction, and trade in entire plants or parts, at all stages of life.

Annex V lists animals and plants for which taking in the wild may be subject to management measures.

## **National Law**

### **Wildlife and Countryside Act**

The Wildlife and Countryside Act 1981 (as amended) is the main source of legal protection for wildlife in England and was strengthened by the Countryside and Rights of Way Act 2000. A statutory five-yearly review of Schedules 5 and 8 (protected wild animals and plants) is undertaken by the relevant authorities. Species protection is provided under Schedules 1, 5, 6 and 8:

Schedule 1 lists bird species that are rare, endangered, declining or vulnerable. The Schedule is divided into two parts. Part I lists birds which receive special protection, these birds receive additional protection from disturbance at the nest. Part II lists birds that receive the same level of special protection, but only during the breeding season.

Schedule 5 protects animal (other than bird) species from certain actions, according to the sections of the Act under which they are listed:

- S9(1) prohibits the intentional killing, injury or taking.
- S9(2) protection is limited to possessing and controlling.
- S9(4a) prohibits the damaging, destroying or obstructing access to any place used by the animal for shelter or protection.
- S9(4b) prohibits disturbing the animal while it is occupying any structure or place which it uses for shelter or protection.
- S9(5) prohibits the selling, offering for sale, possessing or transporting for purpose of sale, or advertising for sale, any live or dead animal, or any part of, or anything derived from such an animal. Species on this Schedule do not appear on the PSI.

Schedule 6 lists animals that may not be killed by certain methods. Even humane trapping for research requires a licence.

Schedule 8 lists plant species for which it is prohibited to intentionally pick, uproot, destroy, trade in, or possess (for the purposes of trade).

Under the Wildlife and Countryside Act, all wild plants in Britain are protected from intentional uprooting by an unauthorised person. Landowners, land occupiers, persons authorised by either of these, or persons authorised in writing by the Local Authority for the area are exempt from this, except for Schedule 8 species.

### **Conservation Regulations**

The Conservation of Habitats and Species Regulations 2010 (as amended) transpose the EC Habitats Directive into national law. In addition to enabling the designation of SACs, the regulations also provide species protection:

Schedule 2 protects the listed animals from deliberate capture, killing, disturbance or trading in.

Schedule 4 protects the listed plants from picking, collecting, uprooting, destroying or trading in.

These actions can be made lawful through the granting of licences by the appropriate authorities. Licences may be granted for a number of purposes, but only after the appropriate authority is satisfied that there are no satisfactory alternatives and that such actions will have no detrimental effect on wild the population of the species concerned.

### **Protection of Badgers Act**

The Protection of the Badgers Act prohibits the killing, injuring or taking of badgers and damage or interference with a badger sett, unless licensed to do so by a statutory authority.

### **International and European Obligations**

In the UK, species receiving protection under international legislation and agreements are protected through the Wildlife and Countryside Act, so are not shown separately in the BMERC notable species lists. For reference, the relevant categories are shown below.

#### **Bern Convention on the Conservation of European Wildlife and Natural Habitats**

The Bern Convention aims to ensure the conservation of wild flora and fauna species and their habitats.

- Appendix 1 (strictly protected flora) - Plants for which contracting parties will prohibit deliberate picking, collecting, cutting or uprooting.
- Appendix 2 (strictly protected fauna) - Animals for which contracting parties will prohibit deliberate capture, possession, killing, damage to or destruction of breeding or resting sites, disturbance or destruction or taking of eggs.
- Appendix 3 (protected fauna) - Animals for which contracting parties will include closed seasons and regulate their sale, keeping for sale, transport for sale or offering for sale of live and dead wild animals. (Not included in Notable Species List).

#### **Bonn Convention on Migratory Species**

The Bonn Convention aims to conserve terrestrial, marine and avian migratory species throughout their range.

- Appendix 1 (migratory species threatened with extinction) - Species for which contracting parties will strictly protect and endeavour to conserve or restore the places where they live, mitigating obstacles to migration and controlling other factors that might endanger them.
- Appendix 2 (migratory species that need or would benefit from international co-operation) - Species for which contracting parties will be encouraged to conclude global or regional agreements for the conservation and management of individual species or, more often, of a group of species. (Not included in Notable Species List).

#### **The EC Council Directive on the Conservation of Wild Birds**

The Birds Directive provides a framework for the conservation and management of all wild birds in Europe. As well as designating important sites for birds as Special Protection Areas, birds are generally protected from deliberate killing or capture and destruction of or damage to their nests or eggs, and deliberate disturbance. Allowances are made for game birds.



## Protected Species Table

Source	Taxon	Group	Vernacular	Status	Location	Position	Records	Latest
Essex Birdwatching Society	<i>Accipiter nisus</i>	bird	Sparrowhawk	Convention on Migratory Species: Appendix 2, EC Cites: Annex A	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2015
Essex Birdwatching Society	<i>Alauda arvensis</i>	bird	Skylark	Birds Directive: Annex 2.2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Alauda arvensis</i>	bird	Skylark	Birds Directive: Annex 2.2	Stansted Airport	TL5423	1	2018
Essex Birdwatching Society	<i>Alauda arvensis</i>	bird	Skylark	Birds Directive: Annex 2.2	Stansted Airport	TL5422	1	2018
Essex Birdwatching Society	<i>Alauda arvensis</i>	bird	Skylark	Birds Directive: Annex 2.2	Saffron Walden	TL5423	4	2020
Essex Birdwatching Society	<i>Alauda arvensis</i>	bird	Skylark	Birds Directive: Annex 2.2	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Alcedo atthis</i>	bird	Kingfisher	Bern Convention: Appendix 2, Birds Directive: Annex 1, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Alectoris rufa</i>	bird	Red-legged Partridge	Birds Directive: Annex 2.1	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Anas acuta</i>	bird	Pintail	Birds Directive: Annex 2.1, Convention on Migratory Species: AEW Annex II, Convention on Migratory Species: Appendix 2, EC Cites: Annex C, Wildlife and Countryside Act 1981: Schedule 1 - Part 2	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Anas platyrhynchos</i>	bird	Mallard	Birds Directive: Annex 2.1, Convention on Migratory Species: AEW Annex II, Convention on Migratory Species: Appendix 2	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Anas platyrhynchos</i>	bird	Mallard	Birds Directive: Annex 2.1, Convention on Migratory Species: AEW Annex II, Convention on Migratory Species: Appendix 2	Elsenham	TL5425	1	2014

Essex Birdwatching Society	<i>Anas platyrhynchos</i>	bird	Mallard	Birds Directive: Annex 2.1, Convention on Migratory Species: AEW Annex II, Convention on Migratory Species: Appendix 2	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Anser anser</i>	bird	Greylag Goose	Birds Directive: Annex 2.1, Convention on Migratory Species: AEW Annex II, Convention on Migratory Species: Appendix 2, Wildlife and Countryside Act 1981: Schedule 1 - Part 2	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Anthus pratensis</i>	bird	Meadow Pipit	Bern Convention: Appendix 2	Stansted Airport	TL5422	1	2018
Essex Birdwatching Society	<i>Anthus pratensis</i>	bird	Meadow Pipit	Bern Convention: Appendix 2	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Anthus pratensis</i>	bird	Meadow Pipit	Bern Convention: Appendix 2	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Anthus pratensis</i>	bird	Meadow Pipit	Bern Convention: Appendix 2	Stansted Airport	TL5423	3	2019
Essex Field Club	<i>Apatura iris</i>	insect - butterfly	Purple Emperor	Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Eastend Wood, near Molehill Green	TL5625	1	2014
Essex Birdwatching Society	<i>Ardea cinerea</i>	bird	Grey Heron	Convention on Migratory Species: AEW Annex II	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Ardea cinerea</i>	bird	Grey Heron	Convention on Migratory Species: AEW Annex II	Mobile-TL5523	TL5523	1	2014
Essex Birdwatching Society	<i>Ardea cinerea</i>	bird	Grey Heron	Convention on Migratory Species: AEW Annex II	Elsenham	TL5425	1	2014
Essex Field Club	<i>Arvicola amphibius</i>	terrestrial mammal	Northern Water Vole	Wildlife and Countryside Act 1981: Schedule 5 Section 9.4.a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c	Braintree College, Church Lane, Braintree, Essex, CM7 5SN	TL576224	1	2018
Essex Field Club	<i>Arvicola amphibius</i>	terrestrial mammal	Northern Water Vole	Wildlife and Countryside Act 1981: Schedule 5 Section 9.4.a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c	Braintree College, Church Lane, Braintree	TL576224	1	2018

Essex Birdwatching Society	<i>Athene noctua</i>	bird	Little Owl	Bern Convention: Appendix 2, EC Cites: Annex A	Essex Great Chesterford M11 Jct 9	TL5524	1	2013
Essex Birdwatching Society	<i>Aythya fuligula</i>	bird	Tufted Duck	Birds Directive: Annex 2.1, Convention on Migratory Species: AEWA Annex II, Convention on Migratory Species: Appendix 2	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Branta canadensis</i>	bird	Canada Goose	Birds Directive: Annex 2.1, Convention on Migratory Species: Appendix 2	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Branta canadensis</i>	bird	Canada Goose	Birds Directive: Annex 2.1, Convention on Migratory Species: Appendix 2	Stansted Airport	TL5423	1	2018
Essex Birdwatching Society	<i>Branta canadensis</i>	bird	Canada Goose	Birds Directive: Annex 2.1, Convention on Migratory Species: Appendix 2	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Buteo buteo</i>	bird	Buzzard	Convention on Migratory Species: Appendix 2, EC Cites: Annex A	Stansted	TL5523	1	2017
Essex Birdwatching Society	<i>Buteo buteo</i>	bird	Buzzard	Convention on Migratory Species: Appendix 2, EC Cites: Annex A	Stansted Long Boarder Road work journey	TL5523	1	2015
Essex Birdwatching Society	<i>Buteo buteo</i>	bird	Buzzard	Convention on Migratory Species: Appendix 2, EC Cites: Annex A	Eisenham	TL5425	1	2014
Essex Birdwatching Society	<i>Buteo buteo</i>	bird	Buzzard	Convention on Migratory Species: Appendix 2, EC Cites: Annex A	Saffron Walden	TL5423	5	2020
Essex Birdwatching Society	<i>Buteo buteo</i>	bird	Buzzard	Convention on Migratory Species: Appendix 2, EC Cites: Annex A	Stansted Airport	TL5523	3	2020
Essex Birdwatching Society	<i>Buteo buteo</i>	bird	Buzzard	Convention on Migratory Species: Appendix 2, EC Cites: Annex A	East of Molehill Green	TL5724	1	2019
Essex Birdwatching Society	<i>Buteo buteo</i>	bird	Buzzard	Convention on Migratory Species: Appendix 2, EC Cites: Annex A	Eisenham Hall, near Stansted Mountfitchett	TL5425	1	2015
Essex Birdwatching Society	<i>Buteo buteo</i>	bird	Buzzard	Convention on Migratory Species: Appendix 2, EC Cites: Annex A	Stansted Airport	TL5423	1	2018
Essex Birdwatching Society	<i>Buteo buteo</i>	bird	Buzzard	Convention on Migratory Species: Appendix 2, EC Cites: Annex A	A120 Warish Hall	TL5722	1	2019

Essex Birdwatching Society	<i>Buteo buteo</i>	bird	Buzzard	Convention on Migratory Species: Appendix 2, EC Cites: Annex A	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2014
Essex Birdwatching Society	<i>Calidris alpina</i>	bird	Dunlin	Bern Convention: Appendix 2, Convention on Migratory Species: AEW Annex II, Convention on Migratory Species: Appendix 2	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Carduelis carduelis</i>	bird	Goldfinch	Bern Convention: Appendix 2	Saffron Walden	TL5423	5	2020
Essex Birdwatching Society	<i>Carduelis carduelis</i>	bird	Goldfinch	Bern Convention: Appendix 2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Carduelis carduelis</i>	bird	Goldfinch	Bern Convention: Appendix 2	stansted airport (rail and bus station area), essex	TL5523	1	2014
Essex Birdwatching Society	<i>Carduelis carduelis</i>	bird	Goldfinch	Bern Convention: Appendix 2	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Carduelis flavirostris</i>	bird		Bern Convention: Appendix 2	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Certhia familiaris</i>	bird	Treecreeper	Bern Convention: Appendix 2	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Chloris chloris</i>	bird	Greenfinch	Bern Convention: Appendix 2	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Chloris chloris</i>	bird	Greenfinch	Bern Convention: Appendix 2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Chloris chloris</i>	bird	Greenfinch	Bern Convention: Appendix 2	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Chroicocephalus ridibundus</i>	bird	Black-headed Gull	Birds Directive: Annex 2.2, Convention on Migratory Species: AEW Annex II	Stansted Airport	TL5423	1	2018
Essex Birdwatching Society	<i>Chroicocephalus ridibundus</i>	bird	Black-headed Gull	Birds Directive: Annex 2.2, Convention on Migratory Species: AEW Annex II	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Chroicocephalus ridibundus</i>	bird	Black-headed Gull	Birds Directive: Annex 2.2, Convention on Migratory Species: AEW Annex II	TSM - White Barn	TL5626	1	2013

Essex Birdwatching Society	<i>Chroicocephalus ridibundus</i>	bird	Black-headed Gull	Birds Directive: Annex 2.2, Convention on Migratory Species: AEWA Annex II	A120 Warish Hall	TL5722	1	2020
Essex Birdwatching Society	<i>Chroicocephalus ridibundus</i>	bird	Black-headed Gull	Birds Directive: Annex 2.2, Convention on Migratory Species: AEWA Annex II	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Circus aeruginosus</i>	bird	Marsh Harrier	Birds Directive: Annex 1, Convention on Migratory Species: Appendix 2, EC Cites: Annex A, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Circus cyaneus</i>	bird	Hen Harrier	Birds Directive: Annex 1, Convention on Migratory Species: Appendix 2, EC Cites: Annex A, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Columba livia</i>	bird	Rock Dove	Birds Directive: Annex 2.1, EC Cites: Annex A	Stansted Airport	TL5523	3	2020
Essex Birdwatching Society	<i>Columba livia</i>	bird	Rock Dove	Birds Directive: Annex 2.1, EC Cites: Annex A	Stansted Airport	TL5423	2	2018
Essex Birdwatching Society	<i>Columba livia</i>	bird	Rock Dove	Birds Directive: Annex 2.1, EC Cites: Annex A	Stansted Airport Train Station	TL5523	2	2018
Essex Birdwatching Society	<i>Columba livia</i>	bird	Rock Dove	Birds Directive: Annex 2.1, EC Cites: Annex A	stansted airport (rail and bus station area), essex	TL5523	1	2014
Essex Birdwatching Society	<i>Columba oenas</i>	bird	Stock Dove	Birds Directive: Annex 2.2	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Columba palumbus</i>	bird	Woodpigeon	Birds Directive: Annex 2.1	stansted airport (rail and bus station area), essex	TL5523	1	2014
Essex Birdwatching Society	<i>Columba palumbus</i>	bird	Woodpigeon	Birds Directive: Annex 2.1	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Columba palumbus</i>	bird	Woodpigeon	Birds Directive: Annex 2.1	Stansted Airport	TL5523	3	2020
Essex Birdwatching Society	<i>Columba palumbus</i>	bird	Woodpigeon	Birds Directive: Annex 2.1	A120 Warish Hall	TL5722	2	2020

Essex Birdwatching Society	<i>Columba palumbus</i>	bird	Woodpigeon	Birds Directive: Annex 2.1	Stansted Airport	TL5423	4	2018
Essex Birdwatching Society	<i>Columba palumbus</i>	bird	Woodpigeon	Birds Directive: Annex 2.1	Stansted Airport Train Station	TL5523	1	2018
Essex Birdwatching Society	<i>Columba palumbus</i>	bird	Woodpigeon	Birds Directive: Annex 2.1	Saffron Walden	TL5423	7	2020
Essex Birdwatching Society	<i>Corvus corone</i>	bird	Carrion Crow	Birds Directive: Annex 2.2	Stansted Airport	TL5422	1	2018
Essex Birdwatching Society	<i>Corvus corone</i>	bird	Carrion Crow	Birds Directive: Annex 2.2	stansted airport (rail and bus station area), essex	TL5523	1	2014
Essex Birdwatching Society	<i>Corvus corone</i>	bird	Carrion Crow	Birds Directive: Annex 2.2	Saffron Walden	TL5423	7	2020
Essex Birdwatching Society	<i>Corvus corone</i>	bird	Carrion Crow	Birds Directive: Annex 2.2	Stansted Airport	TL5523	3	2020
Essex Birdwatching Society	<i>Corvus corone</i>	bird	Carrion Crow	Birds Directive: Annex 2.2	Stansted Airport	TL5423	8	2018
Essex Birdwatching Society	<i>Corvus frugilegus</i>	bird	Rook	Birds Directive: Annex 2.2	Essex, Stansted Airport	TL5523	1	2014
Essex Birdwatching Society	<i>Corvus frugilegus</i>	bird	Rook	Birds Directive: Annex 2.2	Stansted Airport	TL5523	3	2020
Essex Birdwatching Society	<i>Corvus frugilegus</i>	bird	Rook	Birds Directive: Annex 2.2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Corvus frugilegus</i>	bird	Rook	Birds Directive: Annex 2.2	Stansted Airport	TL5423	4	2018
Essex Birdwatching Society	<i>Corvus frugilegus</i>	bird	Rook	Birds Directive: Annex 2.2	A120 Warish Hall	TL5722	1	2020
Essex Birdwatching Society	<i>Corvus frugilegus</i>	bird	Rook	Birds Directive: Annex 2.2	Saffron Walden	TL5423	1	2020

Essex Birdwatching Society	<i>Corvus frugilegus</i>	bird	Rook	Birds Directive: Annex 2.2	stansted airport (rail and bus station area), essex	TL5523	1	2014
Essex Birdwatching Society	<i>Corvus monedula</i>	bird		Birds Directive: Annex 2.2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Cyanistes caeruleus</i>	bird	Blue Tit	Bern Convention: Appendix 2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Cyanistes caeruleus</i>	bird	Blue Tit	Bern Convention: Appendix 2	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Cyanistes caeruleus</i>	bird	Blue Tit	Bern Convention: Appendix 2	Stansted Airport	TL5422	1	2018
Essex Birdwatching Society	<i>Cyanistes caeruleus</i>	bird	Blue Tit	Bern Convention: Appendix 2	Saffron Walden	TL5423	6	2020
Essex Birdwatching Society	<i>Cygnus olor</i>	bird	Mute Swan	Birds Directive: Annex 2.2, Convention on Migratory Species: AEW Annex II, Convention on Migratory Species: Appendix 2	Stansted Airport	TL5423	1	2018
Essex Birdwatching Society	<i>Cygnus olor</i>	bird	Mute Swan	Birds Directive: Annex 2.2, Convention on Migratory Species: AEW Annex II, Convention on Migratory Species: Appendix 2	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Delichon urbicum</i>	bird	House Martin	Bern Convention: Appendix 2	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Delichon urbicum</i>	bird	House Martin	Bern Convention: Appendix 2	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2013
Essex Birdwatching Society	<i>Dendrocopos major</i>	bird	Great Spotted Woodpecker	Bern Convention: Appendix 2	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Dendrocopos major</i>	bird	Great Spotted Woodpecker	Bern Convention: Appendix 2	Elsenham Hall	TL5425	1	2014
Essex Birdwatching Society	<i>Dendrocopos major</i>	bird	Great Spotted Woodpecker	Bern Convention: Appendix 2	Elsenham	TL5425	1	2014



Essex Birdwatching Society	<i>Dendrocopos major</i>	bird	Great Spotted Woodpecker	Bern Convention: Appendix 2	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Egretta garzetta</i>	bird	Little Egret	Bern Convention: Appendix 2, Birds Directive: Annex 1, Convention on Migratory Species: AEW Annex II, EC Cites: Annex A	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Emberiza citrinella</i>	bird	Yellowhammer	Bern Convention: Appendix 2	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Emberiza citrinella</i>	bird	Yellowhammer	Bern Convention: Appendix 2	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Emberiza schoeniclus</i>	bird	Reed Bunting	Bern Convention: Appendix 2	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Emberiza schoeniclus</i>	bird	Reed Bunting	Bern Convention: Appendix 2	Stansted Airport	TL5422	1	2018
Essex Field Club	<i>Eptesicus serotinus</i>	terrestrial mammal	Serotine	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL542259	TL542259	5	2007
Essex Field Club	<i>Eptesicus serotinus</i>	terrestrial mammal	Serotine	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL540240	TL540240	2	2002

Essex Bat Group	<i>Eptesicus serotinus</i>	terrestrial mammal	Serotine	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Elsenham, Church	TL542258	1	2008
Essex Field Club	<i>Erinaceus europaeus</i>	terrestrial mammal	Western Hedgehog	Bern Convention: Appendix 3	TL551255	TL551255	3	2005
Essex Birdwatching Society	<i>Erithacus rubecula</i>	bird	Robin	Bern Convention: Appendix 2	Saffron Walden	TL5423	3	2020
Essex Birdwatching Society	<i>Erithacus rubecula</i>	bird	Robin	Bern Convention: Appendix 2	Stansted Airport	TL5523	2	2020
Essex Birdwatching Society	<i>Erithacus rubecula</i>	bird	Robin	Bern Convention: Appendix 2	Essex, Stansted Airport	TL5523	1	2015
Essex Birdwatching Society	<i>Erithacus rubecula</i>	bird	Robin	Bern Convention: Appendix 2	Stansted Airport	TL5423	3	2019
Essex Birdwatching Society	<i>Erithacus rubecula</i>	bird	Robin	Bern Convention: Appendix 2	Essex, Stansted Airport	TL5523	1	2014
Essex Birdwatching Society	<i>Erithacus rubecula</i>	bird	Robin	Bern Convention: Appendix 2	Stansted Airport	TL5422	1	2018
Essex Birdwatching Society	<i>Erithacus rubecula</i>	bird	Robin	Bern Convention: Appendix 2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Falco peregrinus</i>	bird	Peregrine	Bern Convention: Appendix 2, Birds Directive: Annex 1, Convention on Migratory Species: Appendix 2, EC Cites: Annex A, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	TSM - White Barn	TL5626	1	2013

Essex Birdwatching Society	<i>Falco peregrinus</i>	bird	Peregrine	Bern Convention: Appendix 2, Birds Directive: Annex 1, Convention on Migratory Species: Appendix 2, EC Cites: Annex A, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	Saffron Walden	TL5423	3	2020
Essex Birdwatching Society	<i>Falco tinnunculus</i>	bird	Kestrel	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, EC Cites: Annex A	A120 Warish Hall	TL5722	1	2020
Essex Birdwatching Society	<i>Falco tinnunculus</i>	bird	Kestrel	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, EC Cites: Annex A	Essex Great Chesterford M11 Jct 9	TL5524	1	2013
Essex Birdwatching Society	<i>Falco tinnunculus</i>	bird	Kestrel	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, EC Cites: Annex A	Stansted Long Boarder Road work journey	TL5523	2	2015
Essex Birdwatching Society	<i>Falco tinnunculus</i>	bird	Kestrel	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, EC Cites: Annex A	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2015
Essex Birdwatching Society	<i>Falco tinnunculus</i>	bird	Kestrel	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, EC Cites: Annex A	Stansted Airport	TL5523	3	2020
Essex Birdwatching Society	<i>Falco tinnunculus</i>	bird	Kestrel	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, EC Cites: Annex A	Elsenham Hall	TL5425	1	2014
Essex Birdwatching Society	<i>Falco tinnunculus</i>	bird	Kestrel	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, EC Cites: Annex A	Stansted Airport	TL5423	1	2018
Essex Birdwatching Society	<i>Fulica atra</i>	bird	Coot	Birds Directive: Annex 2.1, Convention on Migratory Species: AEW Annex II	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Fulica atra</i>	bird	Coot	Birds Directive: Annex 2.1, Convention on Migratory Species: AEW Annex II	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Gallinago gallinago</i>	bird	Snipe	Birds Directive: Annex 2.1, Convention on Migratory Species: AEW Annex II, Convention on Migratory Species: Appendix 2	Stansted Airport	TL5422	1	2018
Essex Birdwatching Society	<i>Gallinula chloropus</i>	bird	Moorhen	Birds Directive: Annex 2.2, Convention on Migratory Species: AEW Annex II, Convention on Migratory Species: Appendix 2	Elsenham	TL5425	1	2014

Essex Birdwatching Society	<i>Gallinula chloropus</i>	bird	Moorhen	Birds Directive: Annex 2.2, Convention on Migratory Species: AEWA Annex II, Convention on Migratory Species: Appendix 2	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Gallinula chloropus</i>	bird	Moorhen	Birds Directive: Annex 2.2, Convention on Migratory Species: AEWA Annex II, Convention on Migratory Species: Appendix 2	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Garrulus glandarius</i>	bird	Jay	Birds Directive: Annex 2.2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Garrulus glandarius</i>	bird	Jay	Birds Directive: Annex 2.2	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Garrulus glandarius</i>	bird	Jay	Birds Directive: Annex 2.2	Stansted Airport	TL5423	3	2019
Essex Birdwatching Society	<i>Garrulus glandarius</i>	bird	Jay	Birds Directive: Annex 2.2	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Haematopus ostralegus</i>	bird	Oystercatcher	Birds Directive: Annex 2.2, Convention on Migratory Species: AEWA Annex II	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Hirundo rustica</i>	bird	Swallow	Bern Convention: Appendix 2	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Hirundo rustica</i>	bird	Swallow	Bern Convention: Appendix 2	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2013
Essex Field Club	<i>Hyacinthoides non-scripta</i>	flowering plant	Bluebell	Wildlife and Countryside Act 1981: Schedule 8	Broxted S NE	TL5725	1	2000
Essex Field Club	<i>Hyacinthoides non-scripta</i>	flowering plant	Bluebell	Wildlife and Countryside Act 1981: Schedule 8	Broxted and Elsenham, mainly Eastend Wood	TL5625	1	2000
Essex Birdwatching Society	<i>Larus argentatus</i>	bird	Herring Gull	Birds Directive: Annex 2.2, Convention on Migratory Species: AEWA Annex II	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Larus canus</i>	bird	Common Gull	Birds Directive: Annex 2.2, Convention on Migratory Species: AEWA Annex II	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Larus fuscus</i>	bird	Lesser Black-backed Gull	Birds Directive: Annex 2.2, Convention on Migratory Species: AEWA Annex II	TSM - White Barn	TL5626	1	2013

Essex Birdwatching Society	<i>Larus fuscus</i>	bird	Lesser Black-backed Gull	Birds Directive: Annex 2.2, Convention on Migratory Species: AEWA Annex II	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Larus marinus</i>	bird	Great Black-backed Gull	Birds Directive: Annex 2.2, Convention on Migratory Species: AEWA Annex II	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Linaria cannabina</i>	bird	Linnet	Bern Convention: Appendix 2	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Linaria cannabina</i>	bird	Linnet	Bern Convention: Appendix 2	Mobile-TL5523	TL5523	1	2014
Essex Birdwatching Society	<i>Luscinia megarhynchos</i>	bird	Nightingale	Bern Convention: Appendix 2	Stansted Airport	TL5422	1	2018
Essex Field Club	<i>Lutra lutra</i>	terrestrial mammal	Otter	Bern Convention: Appendix 2, EC Cites: Annex A, Habitats Directive: Annex 2 - non-priority species, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Braintree College, Church Lane, Braintree, Essex, CM7 5SN	TL576224	1	2018
Essex Field Club	<i>Lutra lutra</i>	terrestrial mammal	Otter	Bern Convention: Appendix 2, EC Cites: Annex A, Habitats Directive: Annex 2 - non-priority species, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Braintree College, Church Lane, Braintree	TL576224	1	2018

Essex Field Club	<i>Lutra lutra</i>	terrestrial mammal	Otter	Bern Convention: Appendix 2, EC Cites: Annex A, Habitats Directive: Annex 2 - non-priority species, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL559220	TL559220	1	2015
Essex Field Club	<i>Lutra lutra</i>	terrestrial mammal	Otter	Bern Convention: Appendix 2, EC Cites: Annex A, Habitats Directive: Annex 2 - non-priority species, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL556220	TL556220	1	2015
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TL560251	TL560251	1	2011
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TL566247	TL566247	1	2014
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TL544259	TL544259	5	2009
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TL559249	TL559249	1	2017
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TL565239	TL565239	1	2010
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	Cressing West	TL577220	1	2019
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TL546256	TL546256	4	2010

Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TL563222	TL563222	2	2017
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Bern Convention: Appendix 3, Protection of Badgers Act: Protection of Badgers Act (1992)	TL545256	TL545256	4	2008
Essex Birdwatching Society	<i>Mergus serrator</i>	bird	Red-breasted Merganser	Birds Directive: Annex 2.2, Convention on Migratory Species: AEWA Annex II, Convention on Migratory Species: Appendix 2	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Milvus milvus</i>	bird	Red Kite	Birds Directive: Annex 1, Convention on Migratory Species: Appendix 2, EC Cites: Annex A, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	A120 Takeley	TL5622	1	2020
Essex Birdwatching Society	<i>Milvus milvus</i>	bird	Red Kite	Birds Directive: Annex 1, Convention on Migratory Species: Appendix 2, EC Cites: Annex A, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	Saffron Walden	TL5423	3	2020
Essex Birdwatching Society	<i>Milvus milvus</i>	bird	Red Kite	Birds Directive: Annex 1, Convention on Migratory Species: Appendix 2, EC Cites: Annex A, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	Elsenham Hall, near Stansted Mountfitchett	TL5425	2	2018
Essex Birdwatching Society	<i>Milvus milvus</i>	bird	Red Kite	Birds Directive: Annex 1, Convention on Migratory Species: Appendix 2, EC Cites: Annex A, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2013
Essex Birdwatching Society	<i>Milvus milvus</i>	bird	Red Kite	Birds Directive: Annex 1, Convention on Migratory Species: Appendix 2, EC Cites: Annex A, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	Stansted Long Boarder Road work journey	TL5523	1	2015
Essex Birdwatching Society	<i>Motacilla cinerea</i>	bird	Grey Wagtail	Bern Convention: Appendix 2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Muscicapa striata</i>	bird	Spotted Flycatcher	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2	Saffron Walden	TL5423	1	2020
Essex Field Club	<i>Mustela erminea</i>	terrestrial mammal	Stoat	Bern Convention: Appendix 3	TL541241	TL541241	2	1997



Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL542259	TL542259	5	2004
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL575228	TL575228	1	2005
Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Elsenham, Church of St Mary	TL542259	1	2009

Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL565257	TL565257	1	2007
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL552255	TL552255	3	2006
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL578228	TL578228	1	2007
EFC/EARG	<i>Natrix helvetica</i>	reptile	Grass Snake	Bern Convention: Appendix 3, Wildlife and Countryside Act 1981: Schedule 5 Section 9.1 (killing/injuring), Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Unit 2 Stansted	TL557222	1	2020

Essex Birdwatching Society	<i>Numenius arquata</i>	bird	Curlew	Birds Directive: Annex 2.2, Convention on Migratory Species: AEWA Annex II, Convention on Migratory Species: Appendix 2	TSM - White Barn	TL5626	1	2013
Essex Field Club	<i>Nyctalus leisleri</i>	terrestrial mammal	Leisler's Bat / Lesser Noctule Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL557237	TL557237	1	1994
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL540241	TL540241	2	2002
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Unit 1 Stansted	TL558221	1	2020

Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL562255	TL562255	1	1996
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL562232	TL562232	2	2007
Essex Field Club	<i>Ophrys apifera</i>	flowering plant	Bee Orchid	EC Cites: Annex B	Elsenham, Moat Farm	TL5424	1	2015
Essex Field Club	<i>Ophrys apifera</i>	flowering plant	Bee Orchid	EC Cites: Annex B	Broxted S NE	TL5725	1	2000
Essex Field Club	<i>Ophrys apifera</i>	flowering plant	Bee Orchid	EC Cites: Annex B	Takeley NW	TL5623	1	1997
Essex Field Club	<i>Ophrys apifera</i>	flowering plant	Bee Orchid	EC Cites: Annex B	Elsenham, Takeley & Stansted L NW	TL5423	1	1996
Essex Birdwatching Society	<i>Parus major</i>	bird	Great Tit	Bern Convention: Appendix 2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Parus major</i>	bird	Great Tit	Bern Convention: Appendix 2	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Parus major</i>	bird	Great Tit	Bern Convention: Appendix 2	Saffron Walden	TL5423	4	2020

Essex Birdwatching Society	<i>Perdix perdix</i>	bird	Grey Partridge	Birds Directive: Annex 2.1	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Periparus ater</i>	bird	Coal Tit	Bern Convention: Appendix 2	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Phalacrocorax carbo</i>	bird	Cormorant	Convention on Migratory Species: AWEA Annex II	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Phasianus colchicus</i>	bird	Pheasant	Birds Directive: Annex 2.1	Saffron Walden	TL5423	5	2020
Essex Birdwatching Society	<i>Phasianus colchicus</i>	bird	Pheasant	Birds Directive: Annex 2.1	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Phasianus colchicus</i>	bird	Pheasant	Birds Directive: Annex 2.1	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Phasianus colchicus</i>	bird	Pheasant	Birds Directive: Annex 2.1	Stansted Airport	TL5423	1	2018
Essex Birdwatching Society	<i>Pica pica</i>	bird	Magpie	Birds Directive: Annex 2.2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Pica pica</i>	bird	Magpie	Birds Directive: Annex 2.2	Stansted Airport	TL5422	1	2018
Essex Birdwatching Society	<i>Pica pica</i>	bird	Magpie	Birds Directive: Annex 2.2	Stansted Airport	TL5523	3	2020
Essex Birdwatching Society	<i>Pica pica</i>	bird	Magpie	Birds Directive: Annex 2.2	Takeley, Warish Hall Farm	TL5622	1	2018
Essex Birdwatching Society	<i>Pica pica</i>	bird	Magpie	Birds Directive: Annex 2.2	A120 Warish Hall	TL5722	1	2020
Essex Birdwatching Society	<i>Pica pica</i>	bird	Magpie	Birds Directive: Annex 2.2	Saffron Walden	TL5423	4	2020
Essex Birdwatching Society	<i>Pica pica</i>	bird	Magpie	Birds Directive: Annex 2.2	Stansted Airport	TL5424	1	2019

Essex Birdwatching Society	<i>Pica pica</i>	bird	Magpie	Birds Directive: Annex 2.2	stansted airport (long boundary road east section), essex	TL5623	1	2014
Essex Birdwatching Society	<i>Pica pica</i>	bird	Magpie	Birds Directive: Annex 2.2	Essex, Stansted Airport	TL5523	1	2015
Essex Birdwatching Society	<i>Pica pica</i>	bird	Magpie	Birds Directive: Annex 2.2	Stansted Airport	TL5423	7	2019
Essex Birdwatching Society	<i>Pica pica</i>	bird	Magpie	Birds Directive: Annex 2.2	stansted airport (east of hotel section), essex	TL5623	1	2014
Essex Birdwatching Society	<i>Picus viridis</i>	bird	Green Woodpecker	Bern Convention: Appendix 2	Elsenham Hall	TL5425	1	2014
Essex Birdwatching Society	<i>Picus viridis</i>	bird	Green Woodpecker	Bern Convention: Appendix 2	Saffron Walden	TL5423	3	2020
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL544249	TL544249	4	2006

Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL562234	TL562234	1	2007
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL549255	TL549255	4	2006
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Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Elsenham, Church	TL542258	1	2013
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL563241	TL563241	1	2006
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL554225	TL554225	2	2007
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Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Takeley	TL567247	1	2008
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL564239	TL564239	2	2017
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL557223	TL557223	3	2008
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL565242	TL565242	1	2008
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL541245	TL541245	1	2015
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL559233	TL559233	2	2008
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL573225	TL573225	1	2007
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL542259	TL542259	2	2008
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL562228	TL562228	2	2008
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Unit 1 Stansted	TL558221	1	2020
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL548253	TL548253	4	2006
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL562255	TL562255	1	1996
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL553226	TL553226	4	2012
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Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Ongar, 5 The Spinney	TL550255	1	2006
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL563247	TL563247	1	2008
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL554254	TL554254	3	2006
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL565240	TL565240	1	2008
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Braintree College, Church Lane, Braintree, Essex	TL576224	1	2018
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL558257	TL558257	3	2006
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL565257	TL565257	1	2006
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL542258	TL542258	4	1998
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL561234	TL561234	1	2008
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL578228	TL578228	1	2007
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL544258	TL544258	4	2009
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL562247	TL562247	1	2008
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL552255	TL552255	2	2006
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Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Elsenham, Church of St Mary	TL542259	1	2009
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL563245	TL563245	1	2006
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL554249	TL554249	1	2006
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL565238	TL565238	1	2007
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Braintree College, Church Lane, Braintree	TL576224	1	2018
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL557233	TL557233	2	2008
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL565248	TL565248	1	2008
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL542236	TL542236	2	2008
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL559248	TL559248	1	2006
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Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Bern Convention: Appendix 2, Bern Convention: Appendix 3, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL575228	TL575228	1	2005
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Braintree College, Church Lane, Braintree	TL576224	1	2018

Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL553226	TL553226	2	2012
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL561253	TL561253	1	2008
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL565247	TL565247	1	2008

Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL544258	TL544258	4	2009
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL558257	TL558257	3	2006
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL565238	TL565238	1	2007

Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Braintree College, Church Lane, Braintree, Essex	TL576224	1	2018
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL554225	TL554225	2	2007
Essex Bat Group	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Ongar	TL550255	1	2006



Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL562255	TL562255	1	1996
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL575228	TL575228	1	2005
Essex Field Club	<i>Pipistrellus sp.</i>	terrestrial mammal	Pipistrelle species	Convention on Migratory Species: Appendix 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TL573229	TL573229	1	2008

Essex Field Club	<i>Pipistrellus sp.</i>	terrestrial mammal	Pipistrelle species	Convention on Migratory Species: Appendix 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TL542259	TL542259	10	2008
Essex Field Club	<i>Pipistrellus sp.</i>	terrestrial mammal	Pipistrelle species	Convention on Migratory Species: Appendix 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TL566242	TL566242	1	2011
Essex Field Club	<i>Pipistrellus sp.</i>	terrestrial mammal	Pipistrelle species	Convention on Migratory Species: Appendix 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TL542258	TL542258	1	1998

Essex Field Club	<i>Pipistrellus sp.</i>	terrestrial mammal	Pipistrelle species	Convention on Migratory Species: Appendix 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TL564239	TL564239	1	2006
Essex Field Club	<i>Pipistrellus sp.</i>	terrestrial mammal	Pipistrelle species	Convention on Migratory Species: Appendix 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TL577228	TL577228	1	2008
Essex Field Club	<i>Pipistrellus sp.</i>	terrestrial mammal	Pipistrelle species	Convention on Migratory Species: Appendix 2, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5b	TL562255	TL562255	1	1996

Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL562247	TL562247	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL564249	TL564249	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL565257	TL565257	1	2006

Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL577229	TL577229	1	2008
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Eisenham, Church of St Mary	TL542259	1	2009
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL557223	TL557223	3	2008

Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL561253	TL561253	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL564248	TL564248	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL565248	TL565248	1	2008

Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL575228	TL575228	1	2005
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Bishops Stortford, Warish Hall, Warish Hall Lane, Takeley	TL568221	1	2013
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL555238	TL555238	1	1998

Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL559245	TL559245	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL564239	TL564239	1	2007
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL565240	TL565240	1	2008



Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL566242	TL566242	1	2011
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Takeley, Swan Farm, Molehill Green	TL570246	1	2010
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Bern Convention: Appendix 2, Convention on Migratory Species: Appendix 2, Convention on Migratory Species: EUROBATS Annex I, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	TL558257	TL558257	3	2006
Essex Birdwatching Society	<i>Pluvialis squatarola</i>	bird	Grey Plover	Birds Directive: Annex 2.2, Convention on Migratory Species: AEW Annex II, Convention on Migratory Species: Appendix 2	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Poecile palustris</i>	bird	Marsh Tit	Bern Convention: Appendix 2	Elsenham Hall	TL5425	1	2014

Essex Birdwatching Society	<i>Prunella modularis</i>	bird	Dunnock	Bern Convention: Appendix 2	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Prunella modularis</i>	bird	Dunnock	Bern Convention: Appendix 2	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Prunella modularis</i>	bird	Dunnock	Bern Convention: Appendix 2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Psittacula krameri</i>	bird	Ring-necked Parakeet	EC Cites: Annex C	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2020
Essex Birdwatching Society	<i>Regulus regulus</i>	bird	Goldcrest	Bern Convention: Appendix 2	Saffron Walden	TL5423	1	2020
Essex Field Club	<i>Ruscus aculeatus</i>	flowering plant	Butcher's-broom	Habitats Directive: Annex 5	Elsenham (Tye Green) SW	TL5424	1	1997
Essex Field Club	<i>Satyrium w-album</i>	insect - butterfly	White-letter Hairstreak	Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Walnut Tree Cottage, Bambers Green, Takeley, CM22 6PD	TL575230	2	1996
Essex Birdwatching Society	<i>Sitta europaea</i>	bird	Nuthatch	Bern Convention: Appendix 2	Elsenham Hall	TL5425	1	2014
Essex Field Club	<i>Sorex minutus</i>	terrestrial mammal	Pygmy Shrew	Bern Convention: Appendix 3	TL543259	TL543259	5	2011
Essex Field Club	<i>Sorex minutus</i>	terrestrial mammal	Pygmy Shrew	Bern Convention: Appendix 3	TL542248	TL542248	4	2005
Essex Birdwatching Society	<i>Streptopelia decaocto</i>	bird	Collared Dove	Birds Directive: Annex 2.2	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Strix aluco</i>	bird	Tawny Owl	Bern Convention: Appendix 2, EC Cites: Annex A	Stansted Airport	TL5523	2	2020
Essex Birdwatching Society	<i>Sturnus vulgaris</i>	bird	Starling	Birds Directive: Annex 2.2	Essex, Stansted Airport	TL5523	1	2015
Essex Birdwatching Society	<i>Sturnus vulgaris</i>	bird	Starling	Birds Directive: Annex 2.2	Essex, Stansted Airport	TL5523	1	2014
Essex Birdwatching Society	<i>Sturnus vulgaris</i>	bird	Starling	Birds Directive: Annex 2.2	Stansted Airport	TL5423	1	2018

Essex Birdwatching Society	<i>Sturnus vulgaris</i>	bird	Starling	Birds Directive: Annex 2.2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Sturnus vulgaris</i>	bird	Starling	Birds Directive: Annex 2.2	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Tachybaptus ruficollis</i>	bird	Little Grebe	Convention on Migratory Species: AEWA Annex II	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Tringa totanus</i>	bird	Redshank	Birds Directive: Annex 2.2, Convention on Migratory Species: AEWA Annex II, Convention on Migratory Species: Appendix 2	TSM - White Barn	TL5626	1	2013
EFC/EARG	<i>Triturus cristatus</i>	amphibian	Warty Newt / Great Crested Newt	Bern Convention: Appendix 2, Habitats Directive: Annex 2 - non-priority species, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	EEW P2	TL559255	1	2001
EFC/EARG	<i>Triturus cristatus</i>	amphibian	Warty Newt / Great Crested Newt	Bern Convention: Appendix 2, Habitats Directive: Annex 2 - non-priority species, Habitats Directive: Annex 4, The Conservation of Habitats and Species Regulations 2010: Schedule 2, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4b, Wildlife and Countryside Act 1981: Schedule 5 Section 9.4c, Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Takeley	TL571224	1	2018
Essex Birdwatching Society	<i>Troglodytes troglodytes</i>	bird	Wren	Bern Convention: Appendix 2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Troglodytes troglodytes</i>	bird	Wren	Bern Convention: Appendix 2	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Troglodytes troglodytes</i>	bird	Wren	Bern Convention: Appendix 2	Stansted Airport	TL5423	1	2019

Essex Birdwatching Society	<i>Troglodytes troglodytes</i>	bird	Wren	Bern Convention: Appendix 2	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Turdus iliacus</i>	bird	Redwing	Birds Directive: Annex 2.2, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Turdus iliacus</i>	bird	Redwing	Birds Directive: Annex 2.2, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2018
Essex Birdwatching Society	<i>Turdus merula</i>	bird	Blackbird	Birds Directive: Annex 2.2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Turdus merula</i>	bird	Blackbird	Birds Directive: Annex 2.2	Stansted Airport	TL5523	2	2020
Essex Birdwatching Society	<i>Turdus merula</i>	bird	Blackbird	Birds Directive: Annex 2.2	A120 Warish Hall	TL5722	1	2020
Essex Birdwatching Society	<i>Turdus merula</i>	bird	Blackbird	Birds Directive: Annex 2.2	Stansted Airport	TL5423	2	2018
Essex Birdwatching Society	<i>Turdus merula</i>	bird	Blackbird	Birds Directive: Annex 2.2	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Turdus merula</i>	bird	Blackbird	Birds Directive: Annex 2.2	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Turdus philomelos</i>	bird	Song Thrush	Birds Directive: Annex 2.2	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Turdus philomelos</i>	bird	Song Thrush	Birds Directive: Annex 2.2	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Turdus philomelos</i>	bird	Song Thrush	Birds Directive: Annex 2.2	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Turdus philomelos</i>	bird	Song Thrush	Birds Directive: Annex 2.2	Stansted Airport	TL5423	1	2018
Essex Birdwatching Society	<i>Turdus pilaris</i>	bird	Fieldfare	Birds Directive: Annex 2.2, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	Elsenham	TL5425	1	2014

Essex Birdwatching Society	<i>Turdus pilaris</i>	bird	Fieldfare	Birds Directive: Annex 2.2, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Turdus pilaris</i>	bird	Fieldfare	Birds Directive: Annex 2.2, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2018
Essex Birdwatching Society	<i>Turdus viscivorus</i>	bird	Mistle Thrush	Birds Directive: Annex 2.2	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Tyto alba</i>	bird	Barn Owl	Bern Convention: Appendix 2, EC Cites: Annex A, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Tyto alba</i>	bird	Barn Owl	Bern Convention: Appendix 2, EC Cites: Annex A, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	Tye Green, Elsenham	TL5424	1	2018
Essex Birdwatching Society	<i>Tyto alba</i>	bird	Barn Owl	Bern Convention: Appendix 2, EC Cites: Annex A, Wildlife and Countryside Act 1981: Schedule 1 - Part 1	Stansted Airport	TL5523	2	2013
Essex Birdwatching Society	<i>Vanellus vanellus</i>	bird	Lapwing	Birds Directive: Annex 2.2, Convention on Migratory Species: AEWA Annex II, Convention on Migratory Species: Appendix 2	Stansted Airport	TL5422	1	2018
Essex Birdwatching Society	<i>Vanellus vanellus</i>	bird	Lapwing	Birds Directive: Annex 2.2, Convention on Migratory Species: AEWA Annex II, Convention on Migratory Species: Appendix 2	Stansted Airport	TL5423	1	2018
EFC/EARG	<i>Zootoca vivipara</i>	reptile	Common Lizard	Bern Convention: Appendix 3, Wildlife and Countryside Act 1981: Schedule 5 Section 9.1 (killing/injuring), Wildlife and Countryside Act 1981: Schedule 5 Section 9.5a	Takeley	TL555227	1	2007

## 22. UK Biodiversity Action Plan Priority Section 41 Species

Biodiversity, or biological diversity, is the whole variety of life on Earth. The Convention on Biological Diversity (CBD) came about as a result of the 1992 Earth Summit. As one of 168 countries to sign up to the CBD, the UK was required to develop a national strategy for the conservation of biodiversity; the UK Biodiversity Action Plan (UKBAP) was born.

The UKBAP is the result of contributions involving a wide range of people and organisations, enabling the identification of species and habitats that are listed as priorities for conservation action. A 2007 review of the UKBAP has resulted in 1149 species and 65 habitats being listed as conservation priorities. For more information see [www.ukbap.org.uk](http://www.ukbap.org.uk).

In addition to the national priorities and targets, action is also being taken at local level. The Essex Biodiversity Project is responsible for implementing the Essex Biodiversity Action Plan, which has 28 priority species and 15 priority habitats currently listed. For more information see [www.essexbiodiversity.org.uk](http://www.essexbiodiversity.org.uk).

### The UK BAP

(from Explanatory Note by Defra and Natural England on Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006 - Habitats and Species of Principal Importance in England)

The England Biodiversity List has been developed to meet the requirements of Section 41 of the Natural Environment and Rural Communities Act (2006). This legislation requires the Secretary of State to publish a list of species of flora and fauna and habitats considered to be of principal importance for the purpose of conserving biodiversity.

The S41 list will be used to guide decision-makers such as public bodies, including local and regional authorities, in implementing their duty under section 40 of the Natural Environment and Rural Communities Act 2006 'to have regard' to the conservation of biodiversity in England, when carrying out their normal functions. In particular:

- Regional Planning Bodies and Local Planning Authorities will use it to identify the species and habitats that should be afforded priority when applying the requirements of National Planning Policy framework (NPPF) and PPS9 Circular to maintain, restore and enhance species and habitats.
- Local Planning Authorities will use it to identify the species and habitats that require specific consideration in dealing with planning and development control, recognising that under NPPF and PPS9 Circular the aim of planning decisions should be to avoid harm to all biodiversity.
- All Public Bodies will use it to identify species or habitats that should be given priority when implementing the NERC Section 40 duty.

#### Habitats of Principal Importance

Fifty-six habitats of principal importance are included on the S41 list. These are all the habitats in England that have been identified as requiring action in the UK Biodiversity Action Plan (UK BAP). They range from habitats such as upland hay meadows to lowland mixed deciduous woodland and from freshwater habitats such as ponds to marine habitats such as subtidal sands and gravels.

#### Species of Principal Importance

There are 943 species of principal importance included on the S41 list. These are the species found

in England which have been identified as requiring action under the UK BAP. In addition, the Hen Harrier has also been included on the List because without continued conservation action it is unlikely that the Hen Harrier population will increase from its current very low levels in England.

### **Relationship with the UK Biodiversity List of Species and Habitats**

The UK BAP list of priority species and habitats is an important reference source and will be the focus for conservation action across the UK over the next decade. It has been used to draw up the species and habitats of principal importance in England under S41 of the NERC Act.

The revised UK BAP list of priority species and habitats can be downloaded from the UK Biodiversity Website: [REDACTED]

### **Relationship with the biodiversity duty under Section 40 of the NERC Act**

There is a general biodiversity duty in the NERC Act (Section 40) which requires every public body in the exercising of its functions to 'have regard, so far as is consistent with the proper exercise of those functions, to the purpose of conserving biodiversity'.

There is no direct relationship between the Section 41 duty on the Secretary of State to publish the list and promote the taking of steps to conserve the habitats and species on it, and the Section 40 duty on public bodies to have regard to the purpose of conserving biodiversity. Importantly:

(a) Biodiversity, as covered by the Section 40 duty includes all biodiversity and not just the habitats and species of principal importance. However, there is an expectation that public bodies would refer to the S41 list when complying with the section 40 duty.

(b) The duty on the Secretary of State to promote the taking of steps by others is not restricted to public bodies.

Defra guidance for local authorities and public bodies on implementing the biodiversity duty in the NERC Act draws attention to the S41 list, emphasising that local authorities and public bodies have a role to play in ensuring the protection of these species and habitats. Copies of the guidance can be downloaded

from: <http://archive.defra.gov.uk/environment/biodiversity/documents/pa-guid-english.pdf>

### **Essex Biodiversity Action Plan**

The Essex Biodiversity Project was set up in 1999 for the purpose of implementing the Essex BAP, one of the 162 local BAPs in the UK. These were formed following the UK's signature to the Convention on Biological Diversity (1992) and the subsequent need for action to conserve biodiversity at a local level.

The overall aim of the Essex Biodiversity Project is to protect, conserve and enhance the variety of wildlife species and habitats in Essex through the successful implementation of the Essex Biodiversity Action Plan.

## UK BAP Priority, Section 41 and Essex BAP Species Table

Source	Taxon	Group	Vernacular	Status	Location	Position	Records	Latest
Essex Field Club	<i>Acronicta psi</i>	insect - moth	Grey Dagger	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Acronicta psi</i>	insect - moth	Grey Dagger	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Acronicta psi</i>	insect - moth	Grey Dagger	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Eisenham, Eastend Wood	TL5625	2	2002
Essex Field Club	<i>Acronicta psi</i>	insect - moth	Grey Dagger	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Acronicta psi</i>	insect - moth	Grey Dagger	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1940
Essex Field Club	<i>Acronicta rumicis</i>	insect - moth	Knot Grass	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	2	2003
Essex Field Club	<i>Acronicta rumicis</i>	insect - moth	Knot Grass	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1973
Essex Field Club	<i>Acronicta rumicis</i>	insect - moth	Knot Grass	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Eisenham, Eastend Wood	TL5625	1	1990
Essex Field Club	<i>Agrochola litura</i>	insect - moth	Brown-spot Pinion	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Agrochola litura</i>	insect - moth	Brown-spot Pinion	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Saffron Walden	TL554237	1	2006



Essex Field Club	<i>Agrochola litura</i>	insect - moth	Brown-spot Pinion	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	1	1990
Essex Field Club	<i>Agrochola litura</i>	insect - moth	Brown-spot Pinion	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	2	2000
Essex Field Club	<i>Agrochola litura</i>	insect - moth	Brown-spot Pinion	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	2	1969
Essex Field Club	<i>Agrochola lychnidis</i>	insect - moth	Beaded Chestnut	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	2	2000
Essex Field Club	<i>Agrochola lychnidis</i>	insect - moth	Beaded Chestnut	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1969
Essex Field Club	<i>Agrochola lychnidis</i>	insect - moth	Beaded Chestnut	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Agrochola lychnidis</i>	insect - moth	Beaded Chestnut	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Agrochola lychnidis</i>	insect - moth	Beaded Chestnut	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	1	1990
Essex Birdwatching Society	<i>Alauda arvensis</i>	bird	Skylark	Essex BAP: EBAP	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Alauda arvensis</i>	bird	Skylark	Essex BAP: EBAP	Stansted Airport	TL5423	1	2018
Essex Birdwatching Society	<i>Alauda arvensis</i>	bird	Skylark	Essex BAP: EBAP	Saffron Walden	TL5423	4	2020

Essex Birdwatching Society	<i>Alauda arvensis</i>	bird	Skylark	Essex BAP: EBAP	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Alauda arvensis</i>	bird	Skylark	Essex BAP: EBAP	Stansted Airport	TL5422	1	2018
Essex Field Club	<i>Allophyes oxyacanthae</i>	insect - moth	Green-brindled Crescent	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	2	1969
Essex Field Club	<i>Allophyes oxyacanthae</i>	insect - moth	Green-brindled Crescent	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Allophyes oxyacanthae</i>	insect - moth	Green-brindled Crescent	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Allophyes oxyacanthae</i>	insect - moth	Green-brindled Crescent	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	1	1990
Essex Field Club	<i>Amphipoea oculea</i>	insect - moth	Ear Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Amphipoea oculea</i>	insect - moth	Ear Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	2002
Essex Field Club	<i>Amphipoea oculea</i>	insect - moth	Ear Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1961
Essex Field Club	<i>Amphipyra tragopoginis</i>	insect - moth	Mouse Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	2	2000
Essex Field Club	<i>Amphipyra tragopoginis</i>	insect - moth	Mouse Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1961

Essex Field Club	<i>Amphipyra tragopoginis</i>	insect - moth	Mouse Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Amphipyra tragopoginis</i>	insect - moth	Mouse Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Amphipyra tragopoginis</i>	insect - moth	Mouse Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	2	2002
Essex Field Club	<i>Apamea anceps</i>	insect - moth	Large Nutmeg	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Apamea anceps</i>	insect - moth	Large Nutmeg	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	2	2002
Essex Field Club	<i>Apamea anceps</i>	insect - moth	Large Nutmeg	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Aubrey Buxton N.R., Stansted	TL52	1	1979
Essex Field Club	<i>Apamea anceps</i>	insect - moth	Large Nutmeg	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Apamea anceps</i>	insect - moth	Large Nutmeg	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1977
Essex Field Club	<i>Apamea anceps</i>	insect - moth	Large Nutmeg	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Apamea remissa</i>	insect - moth	Dusky Brocade	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	2001

Essex Field Club	<i>Apamea remissa</i>	insect - moth	Dusky Brocade	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	2	2002
Essex Field Club	<i>Apamea remissa</i>	insect - moth	Dusky Brocade	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Apamea remissa</i>	insect - moth	Dusky Brocade	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1973
Essex Field Club	<i>Aporophyla lutulenta</i>	insect - moth	Deep-brown Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	1	1990
Essex Field Club	<i>Aporophyla lutulenta</i>	insect - moth	Deep-brown Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	2	2002
Essex Field Club	<i>Aporophyla lutulenta</i>	insect - moth	Deep-brown Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1975
Essex Field Club	<i>Arctia caja</i>	insect - moth	Garden Tiger	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1973
Essex Field Club	<i>Arctia caja</i>	insect - moth	Garden Tiger	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1979
Essex Field Club	<i>Arctia caja</i>	insect - moth	Garden Tiger	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Asteroscopus sphinx</i>	insect - moth	Sprawler	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	2	1979

Essex Field Club	<i>Asteroscopus sphinx</i>	insect - moth	Sprawler	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Atethmia centrago</i>	insect - moth	Centre-barred Sallow	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Atethmia centrago</i>	insect - moth	Centre-barred Sallow	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	2	2002
Essex Field Club	<i>Atethmia centrago</i>	insect - moth	Centre-barred Sallow	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1940
Essex Field Club	<i>Atethmia centrago</i>	insect - moth	Centre-barred Sallow	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1973
Essex Field Club	<i>Brachylochia viminalis</i>	insect - moth	Minor Shoulder-knot	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1969
Essex Field Club	<i>Brachylochia viminalis</i>	insect - moth	Minor Shoulder-knot	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Brachylochia viminalis</i>	insect - moth	Minor Shoulder-knot	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	2	2002
Essex Field Club	<i>Caradrina morpheus</i>	insect - moth	Mottled Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1961
Essex Field Club	<i>Caradrina morpheus</i>	insect - moth	Mottled Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972

Essex Field Club	<i>Caradrina morpheus</i>	insect - moth	Mottled Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Caradrina morpheus</i>	insect - moth	Mottled Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	2	2002
Essex Field Club	<i>Caradrina morpheus</i>	insect - moth	Mottled Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Aubrey Buxton N.R., Stansted	TL52	1	1979
Essex Field Club	<i>Caradrina morpheus</i>	insect - moth	Mottled Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Chiasmia clathrata</i>	insect - moth	Latticed Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Chiasmia clathrata</i>	insect - moth	Latticed Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Chiasmia clathrata</i>	insect - moth	Latticed Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Chiasmia clathrata</i>	insect - moth	Latticed Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	1	1990
Essex Birdwatching Society	<i>Circus cyaneus</i>	bird	Hen Harrier	Biodiversity Lists - England: England NERC S.41	TSM - White Barn	TL5626	1	2013
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Stansted Airport	TL540236	1	2013
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Tye Green: Moat Farm (west meadow)	TL542248	1	2017

Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Stansted Airport	TL558250	1	2018
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Long Border Road, Stansted Airport	TL541220	1	2007
Essex Field Club	<i>Coenonympha pamphilus</i>	insect - butterfly	Small Heath	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Tye Green: Moat Farm (small meadow)	TL543247	1	2017
Essex Field Club	<i>Cossus cossus</i>	insect - moth	Goat Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Birdwatching Society	<i>Cuculus canorus</i>	bird	Cuckoo	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Broxted, Essex	TL5625	1	2013
Essex Field Club	<i>Diarsia rubi</i>	insect - moth	Small Square-spot	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1973
Essex Field Club	<i>Diarsia rubi</i>	insect - moth	Small Square-spot	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Diarsia rubi</i>	insect - moth	Small Square-spot	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	2	2002
Essex Field Club	<i>Diarsia rubi</i>	insect - moth	Small Square-spot	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Diarsia rubi</i>	insect - moth	Small Square-spot	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	3	1969

Essex Field Club	<i>Diloba caeruleocephala</i>	insect - moth	Figure of Eight	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	2	1969
Essex Field Club	<i>Diloba caeruleocephala</i>	insect - moth	Figure of Eight	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1974
Essex Field Club	<i>Diloba caeruleocephala</i>	insect - moth	Figure of Eight	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Diloba caeruleocephala</i>	insect - moth	Figure of Eight	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Eisenham, Eastend Wood	TL5625	1	1990
Essex Field Club	<i>Ecliptopera silaceata</i>	insect - moth	Small Phoenix	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Eisenham, Eastend Wood	TL5625	2	2002
Essex Field Club	<i>Ecliptopera silaceata</i>	insect - moth	Small Phoenix	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1969
Essex Field Club	<i>Ecliptopera silaceata</i>	insect - moth	Small Phoenix	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1974
Essex Birdwatching Society	<i>Emberiza citrinella</i>	bird	Yellowhammer	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Emberiza citrinella</i>	bird	Yellowhammer	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Emberiza schoeniclus</i>	bird	Reed Bunting	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TSM - White Barn	TL5626	1	2013



Essex Birdwatching Society	<i>Emberiza schoeniclus</i>	bird	Reed Bunting	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Stansted Airport	TL5422	1	2018
Essex Field Club	<i>Ennomos erosaria</i>	insect - moth	September Thorn	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Ennomos erosaria</i>	insect - moth	September Thorn	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	1	2002
Essex Field Club	<i>Ennomos erosaria</i>	insect - moth	September Thorn	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1969
Essex Field Club	<i>Ennomos erosaria</i>	insect - moth	September Thorn	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Ennomos fuscantaria</i>	insect - moth	Dusky Thorn	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Saffron Walden	TL554237	1	2006
Essex Field Club	<i>Ennomos fuscantaria</i>	insect - moth	Dusky Thorn	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1969
Essex Field Club	<i>Ennomos fuscantaria</i>	insect - moth	Dusky Thorn	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1973
Essex Field Club	<i>Ennomos fuscantaria</i>	insect - moth	Dusky Thorn	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Ennomos fuscantaria</i>	insect - moth	Dusky Thorn	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	1	1990

Essex Field Club	<i>Erinaceus europaeus</i>	terrestrial mammal	Western Hedgehog	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL551255	TL551255	3	2005
Essex Field Club	<i>Eulithis mellinata</i>	insect - moth	Spinach	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1969
Essex Field Club	<i>Eulithis mellinata</i>	insect - moth	Spinach	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1973
Essex Field Club	<i>Euxoa nigricans</i>	insect - moth	Garden Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Euxoa nigricans</i>	insect - moth	Garden Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1961
Essex Field Club	<i>Euxoa nigricans</i>	insect - moth	Garden Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Euxoa nigricans</i>	insect - moth	Garden Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Graphiphora augur</i>	insect - moth	Double Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Graphiphora augur</i>	insect - moth	Double Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Eisenham, Eastend Wood	TL5625	1	1990
Essex Field Club	<i>Graphiphora augur</i>	insect - moth	Double Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Aubrey Buxton N.R., Stansted	TL52	1	1979

Essex Field Club	<i>Graphiphora augur</i>	insect - moth	Double Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Graphiphora augur</i>	insect - moth	Double Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1974
Essex Field Club	<i>Graphiphora augur</i>	insect - moth	Double Dart	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Hemistola chrysoprasaria</i>	insect - moth	Small Emerald	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Eisenham, Eastend Wood	TL5625	1	2002
Essex Field Club	<i>Hemistola chrysoprasaria</i>	insect - moth	Small Emerald	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Hemistola chrysoprasaria</i>	insect - moth	Small Emerald	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Hemistola chrysoprasaria</i>	insect - moth	Small Emerald	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Hepialus humuli</i>	insect - moth	Ghost Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Hepialus humuli</i>	insect - moth	Ghost Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Hoplodrina blanda</i>	insect - moth	Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992

Essex Field Club	<i>Hoplodrina blanda</i>	insect - moth	Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	2	1961
Essex Field Club	<i>Hoplodrina blanda</i>	insect - moth	Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Hoplodrina blanda</i>	insect - moth	Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Hoplodrina blanda</i>	insect - moth	Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Eisenham, Eastend Wood	TL5625	1	2002
Essex Field Club	<i>Hydraecia micacea</i>	insect - moth	Rosy Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Hydraecia micacea</i>	insect - moth	Rosy Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Hydraecia micacea</i>	insect - moth	Rosy Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Lepus europaeus</i>	terrestrial mammal	Brown Hare	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	TL550220	TL550220	2	1997
Essex Field Club	<i>Lutra lutra</i>	terrestrial mammal	Otter	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	TL559220	TL559220	1	2015
Essex Field Club	<i>Lutra lutra</i>	terrestrial mammal	Otter	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Braintree College, Church Lane, Braintree, Essex, CM7 5SN	TL576224	1	2018

Essex Field Club	<i>Lutra lutra</i>	terrestrial mammal	Otter	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	TL556220	TL556220	1	2015
Essex Field Club	<i>Lutra lutra</i>	terrestrial mammal	Otter	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Braintree College, Church Lane, Braintree	TL576224	1	2018
Essex Field Club	<i>Lycia hirtaria</i>	insect - moth	Brindled Beauty	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Lycia hirtaria</i>	insect - moth	Brindled Beauty	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1973
Essex Field Club	<i>Lycia hirtaria</i>	insect - moth	Brindled Beauty	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Lycia hirtaria</i>	insect - moth	Brindled Beauty	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	1	1990
Essex Field Club	<i>Macaria wauaria</i>	insect - moth	V-Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1977
Essex Field Club	<i>Malacosoma neustria</i>	insect - moth	Lackey	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Malacosoma neustria</i>	insect - moth	Lackey	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	2	2002
Essex Field Club	<i>Malacosoma neustria</i>	insect - moth	Lackey	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992

Essex Field Club	<i>Malacosoma neustria</i>	insect - moth	Lackey	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1979
Essex Field Club	<i>Malacosoma neustria</i>	insect - moth	Lackey	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Melanchra persicariae</i>	insect - moth	Dot Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Melanchra persicariae</i>	insect - moth	Dot Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Melanchra persicariae</i>	insect - moth	Dot Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	2	2002
Essex Field Club	<i>Melanchra persicariae</i>	insect - moth	Dot Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Melanchra persicariae</i>	insect - moth	Dot Moth	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1969
Essex Field Club	<i>Melanthia procellata</i>	insect - moth	Pretty Chalk Carpet	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Melanthia procellata</i>	insect - moth	Pretty Chalk Carpet	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Melanthia procellata</i>	insect - moth	Pretty Chalk Carpet	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	1	1990

Essex Field Club	<i>Melanthia procellata</i>	insect - moth	Pretty Chalk Carpet	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1961
Essex Birdwatching Society	<i>Muscicapa striata</i>	bird	Spotted Flycatcher	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Numenius arquata</i>	bird	Curlew	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TSM - White Barn	TL5626	1	2013
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Unit 1 Stansted	TL558221	1	2020
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL562232	TL562232	2	2007
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL562255	TL562255	1	1996
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL540241	TL540241	2	2002
Essex Field Club	<i>Orthosia gracilis</i>	insect - moth	Powdered Quaker	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1974
Essex Field Club	<i>Orthosia gracilis</i>	insect - moth	Powdered Quaker	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Orthosia gracilis</i>	insect - moth	Powdered Quaker	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	1	1990

Essex Field Club	<i>Orthosia gracilis</i>	insect - moth	Powdered Quaker	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1940
Essex Birdwatching Society	<i>Passer domesticus</i>	bird	House Sparrow	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Passer montanus</i>	bird	Tree Sparrow	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Stansted Airport	TL5523	1	2020
Essex Field Club	<i>Pelurga comitata</i>	insect - moth	Dark Spinach	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1975
Essex Birdwatching Society	<i>Perdix perdix</i>	bird	Grey Partridge	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Stansted Airport	TL5523	1	2020
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL558257	TL558257	3	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL565257	TL565257	1	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	Braintree College, Church Lane, Braintree, Essex	TL576224	1	2018
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL548253	TL548253	4	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL562255	TL562255	1	1996
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL557223	TL557223	3	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL565242	TL565242	1	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL544249	TL544249	4	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL562234	TL562234	1	2007
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	Ongar, 5 The Spinney	TL550255	1	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL554249	TL554249	1	2006



Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL565238	TL565238	1	2007
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL542258	TL542258	4	1998
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL561234	TL561234	1	2008
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	Elsenham, Church	TL542258	1	2013
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL578228	TL578228	1	2007
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL553226	TL553226	4	2012
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL563247	TL563247	1	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL559233	TL559233	2	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL573225	TL573225	1	2007
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL541245	TL541245	1	2015
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL549255	TL549255	4	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL563241	TL563241	1	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL557233	TL557233	2	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL565248	TL565248	1	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	Braintree College, Church Lane, Braintree	TL576224	1	2018
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL544258	TL544258	4	2009
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL562247	TL562247	1	2008
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	Takeley	TL567247	1	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL554254	TL554254	3	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL565240	TL565240	1	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL542259	TL542259	2	2008

Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	TL562228	TL562228	2	2008
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	Elsenham, Church of St Mary	TL542259	1	2009
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP	Unit 1 Stansted	TL558221	1	2020
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP		TL554225	2	2007
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP		TL564239	2	2017
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP		TL542236	2	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP		TL559248	1	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP		TL575228	1	2005
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP		TL552255	2	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex BAP: EBAP		TL563245	1	2006
Essex Bat Group	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Ongar	TL550255	1	2006
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41		TL544258	4	2009
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41		TL565247	1	2008
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Braintree College, Church Lane, Braintree	TL576224	1	2018
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41		TL562255	1	1996

Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL558257	TL558257	3	2006
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL553226	TL553226	2	2012
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL575228	TL575228	1	2005
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Braintree College, Church Lane, Braintree, Essex	TL576224	1	2018
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL565238	TL565238	1	2007
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL561253	TL561253	1	2008
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL554225	TL554225	2	2007
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL559245	TL559245	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL565248	TL565248	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL557223	TL557223	3	2008

Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL564249	TL564249	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL564239	TL564239	1	2007
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL575228	TL575228	1	2005
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Swan Farm, Molehill Green	TL570246	1	2010
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL561253	TL561253	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL565257	TL565257	1	2006
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bishops Stortford, Warish Hall, Warish Hall Lane, Takeley	TL568221	1	2013
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL558257	TL558257	3	2006
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL565240	TL565240	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL555238	TL555238	1	1998

Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL564248	TL564248	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL577229	TL577229	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL562247	TL562247	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	TL566242	TL566242	1	2011
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Church of St Mary	TL542259	1	2009
Essex Field Club	<i>Polia bombycina</i>	insect - moth	Pale Shining Brown	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1940
Essex Field Club	<i>Polia bombycina</i>	insect - moth	Pale Shining Brown	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Polia bombycina</i>	insect - moth	Pale Shining Brown	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Primula elatior</i>	flowering plant	Oxlip	Essex BAP: EBAP	Eastend Wood	TL559255	1	2002
Essex Field Club	<i>Primula elatior</i>	flowering plant	Oxlip	Essex BAP: EBAP	Elsenham Broxted Eastend Wood	TL5625	1	1994
Essex Field Club	<i>Primula elatior</i>	flowering plant	Oxlip	Essex BAP: EBAP	Broxted and Elsenham, mainly Eastend Wood	TL5625	1	2000
Essex Field Club	<i>Rhizedra lutosa</i>	insect - moth	Large Wainscot	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1973

Essex Field Club	<i>Rhizedra lutosa</i>	insect - moth	Large Wainscot	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Satyrrium w-album</i>	insect - butterfly	White-letter Hairstreak	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Walnut Tree Cottage, Bambers Green, Takeley, CM22 6PD	TL575230	2	1996
Essex Field Club	<i>Scotopteryx chenopodiata</i>	insect - moth	Shaded Broad-bar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1961
Essex Field Club	<i>Scotopteryx chenopodiata</i>	insect - moth	Shaded Broad-bar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Scotopteryx chenopodiata</i>	insect - moth	Shaded Broad-bar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Tye Green: Moat Farm (setaside)	TL542248	1	2015
Essex Field Club	<i>Scotopteryx chenopodiata</i>	insect - moth	Shaded Broad-bar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Scotopteryx chenopodiata</i>	insect - moth	Shaded Broad-bar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	2	2002
Essex Field Club	<i>Scotopteryx chenopodiata</i>	insect - moth	Shaded Broad-bar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Tye Green: Moat Farm (setaside)	TL543248	1	2015
Essex Field Club	<i>Scotopteryx chenopodiata</i>	insect - moth	Shaded Broad-bar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Spilosoma lubricipeda</i>	insect - moth	White Ermine	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940

Essex Field Club	<i>Spilosoma lubricipeda</i>	insect - moth	White Ermine	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Spilosoma lubricipeda</i>	insect - moth	White Ermine	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1970
Essex Field Club	<i>Spilosoma lubricipeda</i>	insect - moth	White Ermine	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Aubrey Buxton N.R., Stansted	TL52	1	1979
Essex Field Club	<i>Tholera cespitis</i>	insect - moth	Hedge Rustic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1977
Essex Field Club	<i>Tholera decimalis</i>	insect - moth	Feathered Gothic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1973
Essex Field Club	<i>Tholera decimalis</i>	insect - moth	Feathered Gothic	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	2	1969
Essex Field Club	<i>Timandra comae</i>	insect - moth	Blood-Vein	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Timandra comae</i>	insect - moth	Blood-Vein	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	2	2002
Essex Field Club	<i>Timandra comae</i>	insect - moth	Blood-Vein	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Aubrey Buxton N.R., Stansted	TL52	1	1979
Essex Field Club	<i>Timandra comae</i>	insect - moth	Blood-Vein	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Molehill Green	TL564247	1	2018

Essex Field Club	<i>Timandra comae</i>	insect - moth	Blood-Vein	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	2	1961
Essex Field Club	<i>Timandra comae</i>	insect - moth	Blood-Vein	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1973
Essex Field Club	<i>Timandra comae</i>	insect - moth	Blood-Vein	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Trichiura crataegi</i>	insect - moth	Pale Eggar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1940
Essex Field Club	<i>Trichiura crataegi</i>	insect - moth	Pale Eggar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1974
EFC/EARG	<i>Triturus cristatus</i>	amphibian	Warty Newt / Great Crested Newt	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	Takeley	TL571224	1	2018
EFC/EARG	<i>Triturus cristatus</i>	amphibian	Warty Newt / Great Crested Newt	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41, Essex BAP: EBAP	EEW P2	TL559255	1	2001
Essex Birdwatching Society	<i>Turdus philomelos</i>	bird	Song Thrush	Essex BAP: EBAP	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Turdus philomelos</i>	bird	Song Thrush	Essex BAP: EBAP	Stansted Airport	TL5423	1	2018
Essex Birdwatching Society	<i>Turdus philomelos</i>	bird	Song Thrush	Essex BAP: EBAP	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Turdus philomelos</i>	bird	Song Thrush	Essex BAP: EBAP	Stansted Airport	TL5523	1	2020



Essex Field Club	<i>Tyria jacobaeae</i>	insect - moth	Cinnabar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Stansted Airport	TL542225	1	2019
Essex Field Club	<i>Tyria jacobaeae</i>	insect - moth	Cinnabar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1940
Essex Field Club	<i>Tyria jacobaeae</i>	insect - moth	Cinnabar	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Stansted Airport	TL541225	1	2018
Essex Field Club	<i>Tyta luctuosa</i>	insect - moth	Four-spotted	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Birdwatching Society	<i>Vanellus vanellus</i>	bird	Lapwing	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Stansted Airport	TL5422	1	2018
Essex Birdwatching Society	<i>Vanellus vanellus</i>	bird	Lapwing	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Stansted Airport	TL5423	1	2018
Essex Field Club	<i>Watsonalla binaria</i>	insect - moth	Oak Hook-tip	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	1	1969
Essex Field Club	<i>Watsonalla binaria</i>	insect - moth	Oak Hook-tip	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1973
Essex Field Club	<i>Watsonalla binaria</i>	insect - moth	Oak Hook-tip	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
Essex Field Club	<i>Watsonalla binaria</i>	insect - moth	Oak Hook-tip	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Elsenham, Eastend Wood	TL5625	2	2002

Essex Field Club	<i>Xanthorhoe ferrugata</i>	insect - moth	Dark-barred Twin-spot Carpet	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Hatfield Forest	TL52	2	1969
Essex Field Club	<i>Xanthorhoe ferrugata</i>	insect - moth	Dark-barred Twin-spot Carpet	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Bambers Green, Takeley	TL52	1	1973
Essex Field Club	<i>Xanthorhoe ferrugata</i>	insect - moth	Dark-barred Twin-spot Carpet	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Henham	TL52	1	1940
Essex Field Club	<i>Xanthorhoe ferrugata</i>	insect - moth	Dark-barred Twin-spot Carpet	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Eisenham, Eastend Wood	TL5625	1	1990
Essex Field Club	<i>Xanthorhoe ferrugata</i>	insect - moth	Dark-barred Twin-spot Carpet	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley, Bambers Green	TL5723	1	1992
EFC/EARG	<i>Zootoca vivipara</i>	reptile	Common Lizard	Biodiversity Action Plan UK list of priority species: Priority Species, Biodiversity Lists - England: England NERC S.41	Takeley	TL555227	1	2007

## 23. Global & National Red List and Scarce Designations

### Red Data Book Species

National Red Data Book species are those falling within the Status categories defined in the British Red Data Books (Bratton, 1991; Shirt, 1987). These are internationally recognised species listed in the various Red Data Books published by, or under the auspices of, the International Union for the Conservation of Nature (IUCN). Species included may not be informally removed or transferred between categories. Nationally Endangered (RDB1) taxa are those considered to be in danger of extinction and whose survival is unlikely if the causal factors continue operating. These include species known from only a single locality since 1970, species restricted to habitats which are especially vulnerable, species which have shown a rapid and continuous decline in the last twenty years and are now estimated to exist in five or fewer ten km squares and species believed extinct but which would need protection if re-discovered. Nationally Vulnerable (RDB2) taxa are those that are believed likely to move into the Endangered category in the near future if the causal factors causing their decline continue operating. This includes species declining throughout their range, species in vulnerable habitats and species whose populations are low. Nationally Rare (RDB3) taxa are those with small populations that are not at present Endangered or Vulnerable, but are at risk. This includes species known or estimated to exist in only 15 or fewer post 1970 ten km squares. Insufficiently Known (RDBK) taxa are those suspected of falling into categories 1-3, but about which there is insufficient information to be certain.

Various new status reviews have been published in recent years. A brief outline of the revised IUCN criteria and their application, as summarised in these reviews, is given below.

#### **EXTINCT (EX)**

A taxon is Extinct when there is no reasonable doubt that the last individual has died.

#### **EXTINCT IN THE WILD (EW)**

A taxon is Extinct in the wild when it is known to survive only in cultivation, in captivity or as a naturalised population (or populations) well outside the past range. A taxon is presumed extinct in the wild when exhaustive surveys in known and/or expected habitat, at appropriate times (diurnal, seasonal, annual) throughout its range have failed to record an individual. Surveys should be over a time frame appropriate to the taxon's life cycle and life form.

#### **CRITICALLY ENDANGERED (CR)**

A taxon is Critically Endangered when it is facing an extremely high risk of extinction in the wild in the immediate future, as detailed by any of the criteria A to E. \*

#### **ENDANGERED (EN)**

A taxon is Endangered when it is not Critically Endangered but is facing a very high risk of extinction in the wild in the near future, as defined by any of the criteria A to E. \*

#### **VULNERABLE (VU)**

A taxon is Vulnerable when it is not Critically Endangered or Endangered but is facing a high risk of extinction in the wild in the medium term future, as defined by any of the criteria A to D. \*

#### **LOWER RISK (LR)**

A taxon is Lower Risk when it has been evaluated but does not satisfy the criteria for any of the categories Critically Endangered, Endangered or Vulnerable. Taxa included in the Lower Risk category can be separated into three sub-categories:

**Conservation Dependent (cd)**

Taxa which are the focus of a continuing taxon-specific or habitat-specific conservation programme targeted towards the taxon in question, the cessation of which would result in the taxon qualifying for one of the threatened categories above within a period of five years.

**Near Threatened (nt)**

Taxa which do not qualify for Lower Risk (Conservation Dependent), but which are close to qualifying for Vulnerable.

**Least Concern (lc)**

Taxa which do not qualify for Lower Risk (Conservation Dependent) or Lower Risk (Near Threatened).

**DATA DEFICIENT (DD)**

A taxon is Data Deficient when there is inadequate information to make a direct or indirect assessment of its risk of extinction based on its distribution and/or population status. A taxon in this category may be well studied, and its biology well known, but appropriate data on abundance and/or distribution are lacking. Data Deficient is therefore not a category of threat or Lower Risk. Listing of taxa in this category indicates that more information is required and acknowledges the possibility that future research will show that a threatened category is appropriate.

**NOT EVALUATED (NE)**

A taxon is Not Evaluated when it has not been assessed against the criteria.

**Nationally Scarce species**

The concept of Nationally Scarce (Notable) species was introduced by Ball (1986). They are species which are estimated to occur within the range of 16 to 100 ten-kilometre squares of the British National Grid system since 1970 and are subdivided as follows: Notable/Na refers to species estimated to occur within the range of 16 to 30 10-kilometre squares of the National Grid System. Notable/Nb refers to species estimated to occur within the range 31 to 100 10-kilometre squares of the National Grid System. Diptera (flies) and some Coleoptera (beetles) are not separated. Categorisations have been revised for various taxonomic groups including Araneae (spiders) in Merrett (1990), aculeate Hymenoptera in Falk (1991a), Coleoptera in Hyman & Parsons (1992, 1994), Diptera in Falk (1991b), Hemiptera in Kirby (1992) and Pyralidae (Lepidoptera) in Parsons (1993).

The concept of nationally scarce (Notable) species is unaltered in the new status reviews (e.g. Falk, S.J. & Crossley, R., 2005; Falk, S.J. & Chandler, P., 2005), but the status is now known as Scarce.

In a new national spider review a 'Watching Brief' category is included for some species where the data available suggest a greater level of threat, but there is uncertainty about the evidence of decline. There are also a number of much more widespread and common species where the data suggest strong declines may be occurring. These have placed these in the 'Watching Brief' category outside of the national status review, but these species should be specifically monitored in the future to understand their status more satisfactorily.

A record does not necessarily indicate a native population and for example some plant records may originate from seed mixes or be agricultural variants.

## National Status Species Table

Source	Taxon	Group	Vernacular	Status	Location	Position	Records	Latest
Essex Birdwatching Society	<i>Accipiter nisus</i>	bird	Sparrowhawk	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2015
Essex Birdwatching Society	<i>Anas acuta</i>	bird	Pintail	Red listing based on 2001 IUCN guidelines (from 2017): Critically Endangered, Red listing based on 2001 IUCN guidelines (from 2017): Endangered	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Anas platyrhynchos</i>	bird	Mallard	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Anas platyrhynchos</i>	bird	Mallard	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Anas platyrhynchos</i>	bird	Mallard	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Apus apus</i>	bird	Swift	Red listing based on 2001 IUCN guidelines (from 2017): Endangered	Saffron Walden	TL5423	3	2020
Essex Birdwatching Society	<i>Ardea cinerea</i>	bird	Grey Heron	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Mobile-TL5523	TL5523	1	2014
Essex Birdwatching Society	<i>Ardea cinerea</i>	bird	Grey Heron	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Ardea cinerea</i>	bird	Grey Heron	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Elsenham	TL5425	1	2014
Essex Field Club	<i>Arvicola amphibius</i>	terrestrial mammal	Northern Water Vole	Red listing based on 2001 IUCN guidelines (from 2018): Endangered	Braintree College, Church Lane, Braintree, Essex, CM7 5SN	TL576224	1	2018
Essex Field Club	<i>Arvicola amphibius</i>	terrestrial mammal	Northern Water Vole	Red listing based on 2001 IUCN guidelines (from 2018): Endangered	Braintree College, Church Lane, Braintree	TL576224	1	2018
Essex Birdwatching Society	<i>Calidris alpina</i>	bird	Dunlin	Red listing based on 2001 IUCN guidelines (from 2017): Endangered, Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	TSM - White Barn	TL5626	1	2013

Essex Birdwatching Society	<i>Chloris chloris</i>	bird	Greenfinch	Red listing based on 2001 IUCN guidelines (from 2017): Endangered	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Chloris chloris</i>	bird	Greenfinch	Red listing based on 2001 IUCN guidelines (from 2017): Endangered	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Chloris chloris</i>	bird	Greenfinch	Red listing based on 2001 IUCN guidelines (from 2017): Endangered	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Chroicocephalus ridibundus</i>	bird	Black-headed Gull	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	A120 Warish Hall	TL5722	1	2020
Essex Birdwatching Society	<i>Chroicocephalus ridibundus</i>	bird	Black-headed Gull	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Chroicocephalus ridibundus</i>	bird	Black-headed Gull	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Chroicocephalus ridibundus</i>	bird	Black-headed Gull	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Chroicocephalus ridibundus</i>	bird	Black-headed Gull	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Stansted Airport	TL5423	1	2018
Essex Birdwatching Society	<i>Circus aeruginosus</i>	bird	Marsh Harrier	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Circus cyaneus</i>	bird	Hen Harrier	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Corvus frugilegus</i>	bird	Rook	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Stansted Airport	TL5523	3	2020
Essex Birdwatching Society	<i>Corvus frugilegus</i>	bird	Rook	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Corvus frugilegus</i>	bird	Rook	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Corvus frugilegus</i>	bird	Rook	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	stansted airport (rail and bus station area), essex	TL5523	1	2014

Essex Birdwatching Society	<i>Corvus frugilegus</i>	bird	Rook	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Stansted Airport	TL5423	4	2018
Essex Birdwatching Society	<i>Corvus frugilegus</i>	bird	Rook	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Essex, Stansted Airport	TL5523	1	2014
Essex Birdwatching Society	<i>Corvus frugilegus</i>	bird	Rook	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	A120 Warish Hall	TL5722	1	2020
Essex Field Club	<i>Coscinia cribraria</i>	insect - moth	Speckled Footman	Red Listing based on pre 1994 IUCN guidelines: Vulnerable	Bambers Green, Takeley	TL52	1	1972
Essex Birdwatching Society	<i>Cuculus canorus</i>	bird	Cuckoo	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Broxted, Essex	TL5625	1	2013
Essex Birdwatching Society	<i>Delichon urbicum</i>	bird	House Martin	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Delichon urbicum</i>	bird	House Martin	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2013
Essex Bat Group	<i>Eptesicus serotinus</i>	terrestrial mammal	Serotine	Red listing based on 2001 IUCN guidelines (from 2018): Vulnerable	Elsenham, Church	TL542258	1	2008
Essex Field Club	<i>Eptesicus serotinus</i>	terrestrial mammal	Serotine	Red listing based on 2001 IUCN guidelines (from 2018): Vulnerable	TL540240	TL540240	2	2002
Essex Field Club	<i>Eptesicus serotinus</i>	terrestrial mammal	Serotine	Red listing based on 2001 IUCN guidelines (from 2018): Vulnerable	TL542259	TL542259	5	2007
Essex Field Club	<i>Erinaceus europaeus</i>	terrestrial mammal	Western Hedgehog	Red listing based on 2001 IUCN guidelines (from 2018): Vulnerable	TL551255	TL551255	3	2005
Essex Birdwatching Society	<i>Falco tinnunculus</i>	bird	Kestrel	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2015
Essex Birdwatching Society	<i>Falco tinnunculus</i>	bird	Kestrel	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	A120 Warish Hall	TL5722	1	2020
Essex Birdwatching Society	<i>Falco tinnunculus</i>	bird	Kestrel	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Stansted Airport	TL5523	3	2020
Essex Birdwatching Society	<i>Falco tinnunculus</i>	bird	Kestrel	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Essex Great Chesterford M11 Jct 9	TL5524	1	2013
Essex Birdwatching Society	<i>Falco tinnunculus</i>	bird	Kestrel	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Elsenham Hall	TL5425	1	2014

Essex Birdwatching Society	<i>Falco tinnunculus</i>	bird	Kestrel	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Stansted Long Boarder Road work journey	TL5523	2	2015
Essex Birdwatching Society	<i>Falco tinnunculus</i>	bird	Kestrel	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Stansted Airport	TL5423	1	2018
Essex Birdwatching Society	<i>Fulica atra</i>	bird	Coot	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened, Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Fulica atra</i>	bird	Coot	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened, Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Gallinago gallinago</i>	bird	Snipe	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Stansted Airport	TL5422	1	2018
Essex Birdwatching Society	<i>Gallinula chloropus</i>	bird	Moorhen	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Gallinula chloropus</i>	bird	Moorhen	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Gallinula chloropus</i>	bird	Moorhen	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Larus argentatus</i>	bird	Herring Gull	Red listing based on 2001 IUCN guidelines (from 2017): Data Deficient, Red listing based on 2001 IUCN guidelines (from 2017): Endangered	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Larus fuscus</i>	bird	Lesser Black-backed Gull	Red listing based on 2001 IUCN guidelines (from 2017): Data Deficient	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Larus fuscus</i>	bird	Lesser Black-backed Gull	Red listing based on 2001 IUCN guidelines (from 2017): Data Deficient	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Larus marinus</i>	bird	Great Black-backed Gull	Red listing based on 2001 IUCN guidelines (from 2017): Endangered	TSM - White Barn	TL5626	1	2013



Essex Birdwatching Society	<i>Linaria cannabina</i>	bird	Linnet	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Mobile-TL5523	TL5523	1	2014
Essex Birdwatching Society	<i>Linaria cannabina</i>	bird	Linnet	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Luscinia megarhynchos</i>	bird	Nightingale	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Stansted Airport	TL5422	1	2018
Essex Birdwatching Society	<i>Mergus serrator</i>	bird	Red-breasted Merganser	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Motacilla cinerea</i>	bird	Grey Wagtail	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Eisenham	TL5425	1	2014
Essex Birdwatching Society	<i>Numenius arquata</i>	bird	Curlew	Red listing based on 2001 IUCN guidelines (from 2017): Endangered	TSM - White Barn	TL5626	1	2013
Essex Field Club	<i>Nyctalus leisleri</i>	terrestrial mammal	Leisler's Bat / Lesser Noctule Bat	Red listing based on 2001 IUCN guidelines (from 2018): Near Threatened	TL557237	TL557237	1	1994
Essex Birdwatching Society	<i>Passer montanus</i>	bird	Tree Sparrow	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Perdix perdix</i>	bird	Grey Partridge	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Phalacrocorax carbo</i>	bird	Cormorant	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Eisenham	TL5425	1	2014
Essex Birdwatching Society	<i>Pluvialis squatarola</i>	bird	Grey Plover	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Poecile palustris</i>	bird	Marsh Tit	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Eisenham Hall	TL5425	1	2014
Essex Field Club	<i>Procræus tibialis</i>	insect - beetle (Coleoptera)		Red Listing based on pre 1994 IUCN guidelines: Rare	Hatfield Forest	TL52	2	1987
Essex Birdwatching Society	<i>Streptopelia decaocto</i>	bird	Collared Dove	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Saffron Walden	TL5423	2	2020

Essex Birdwatching Society	<i>Strix aluco</i>	bird	Tawny Owl	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened	Stansted Airport	TL5523	2	2020
Essex Birdwatching Society	<i>Sturnus vulgaris</i>	bird	Starling	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Sturnus vulgaris</i>	bird	Starling	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Sturnus vulgaris</i>	bird	Starling	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Stansted Airport	TL5423	1	2018
Essex Birdwatching Society	<i>Sturnus vulgaris</i>	bird	Starling	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Essex, Stansted Airport	TL5523	2	2015
Essex Field Club	<i>Trifolium ochroleucon</i>	flowering plant	Sulphur Clover	Red listing based on 2001 IUCN guidelines (from 2014): Vulnerable	Takeley, Bambers Green	TL5722	1	1984
Essex Field Club	<i>Trifolium ochroleucon</i>	flowering plant	Sulphur Clover	Red listing based on 2001 IUCN guidelines (from 2014): Vulnerable	Elsenham	TL5423	2	1996
Essex Field Club	<i>Trifolium ochroleucon</i>	flowering plant	Sulphur Clover	Red listing based on 2001 IUCN guidelines (from 2014): Vulnerable	Elsenham, Takeley & Stansted L NW	TL5423	1	1996
Essex Birdwatching Society	<i>Tringa totanus</i>	bird	Redshank	Red listing based on 2001 IUCN guidelines (from 2017): Near Threatened, Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Turdus iliacus</i>	bird	Redwing	Red listing based on 2001 IUCN guidelines (from 2017): Critically Endangered	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2018
Essex Birdwatching Society	<i>Turdus iliacus</i>	bird	Redwing	Red listing based on 2001 IUCN guidelines (from 2017): Critically Endangered	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Turdus pilaris</i>	bird	Fieldfare	Red listing based on 2001 IUCN guidelines (from 2017): Critically Endangered (possibly extinct)	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2018
Essex Birdwatching Society	<i>Turdus pilaris</i>	bird	Fieldfare	Red listing based on 2001 IUCN guidelines (from 2017): Critically Endangered (possibly extinct)	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Turdus pilaris</i>	bird	Fieldfare	Red listing based on 2001 IUCN guidelines (from 2017): Critically Endangered (possibly extinct)	Elsenham	TL5425	1	2014

Essex Birdwatching Society	<i>Turdus viscivorus</i>	bird	Mistle Thrush	Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Saffron Walden	TL5423	1	2020
Essex Field Club	<i>Tyta luctuosa</i>	insect - moth	Four-spotted	Red Listing based on pre 1994 IUCN guidelines: Vulnerable	Henham	TL52	1	1940
Essex Birdwatching Society	<i>Vanellus vanellus</i>	bird	Lapwing	Red listing based on 2001 IUCN guidelines (from 2017): Endangered, Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Stansted Airport	TL5422	1	2018
Essex Birdwatching Society	<i>Vanellus vanellus</i>	bird	Lapwing	Red listing based on 2001 IUCN guidelines (from 2017): Endangered, Red listing based on 2001 IUCN guidelines (from 2017): Vulnerable	Stansted Airport	TL5423	1	2018

## 24. Essex Red Data List Species

### Information contained in the Inventory

The Essex Red Data List was compiled in 2002 for English Nature (now Natural England), with the input of County Recorders and other county specialists and with an extensive period of consultation. The full list is available at [REDACTED]

The list is an important compilation of Essex information, helping to inform and better enable biodiversity and planning decisions throughout the county. As an internet resource, the list has been updated, with changes listed on the website.

Inclusion of species on the list is guided by the following key criteria:

- In the national Red Data List (where one exists)
- Nationally Scarce/Notable (where there is an available definition and list).
- Species which are rare, declining and/or subject to a high degree of threat in Essex (and not in either of the above categories).

Depending on the degree of regional knowledge this is related to:

- Species recorded in few modern sites (X or fewer sites, since 19XX).
- Species with restricted distribution occurring in habitats under a high degree of threat nationally and/or within the county.
- More widespread species which have undergone a substantial decline in number or distribution since 19XX.
- Species which are extinct in Essex, and for which there is significant potential for re-establishment, either naturally or through intervention.

The values of X will vary for different taxonomic groups; County Recorders and other county specialists have used their knowledge to determine the threshold values for each particular taxonomic group in Essex.

In addition, Essex Red Data List Threat Statuses have been assigned to the Arachnida, aculeate Hymenoptera, Syrphidae, larger Brachycera, Orthoptera and Odonata taxonomic groups. These threat categories are defined\* as:

### Essex Endangered

- Species known as a single population within a single post-1980 1km<sup>2</sup> or only from threatened or vulnerable sites in Essex.
- Species believed extinct in Essex.

### Essex Vulnerable

- Species known from only two populations in Essex.
- Essex Rare species which are restricted to habitats or sites known to be under threat in Essex.
- Species which only occur at sites in Essex known to be vulnerable.
- Species which have shown a continuous decline over the last twenty years and are now known to exist in less than 1% of the covered post-1980 1km<sup>2</sup> in Essex.

### **Essex Threatened**

- Essex Scarce species with a Frequency Ratio of less than 1.5 and Tetrad percentage of less than 1.0 indicating widely isolated populations within the county.
- Essex Scarce species which are restricted to habitats or sites known to be under threat in the county.
- Species which have shown a continuous decline over the last twenty years.

### **Regionally Important**

- Species which are important in a national context because Essex contains a significant proportion of the national populations.
- Species which are important in a national context because they have a close association with a specific nationally threatened habitat included in the Biodiversity Action Plan.
- Species which are important in a national context because they are dominant in or peculiar to a specific habitat for which Essex contains a large percentage of the national habitat.

\* Detailed information is available at



Where a taxon not included in the list has been recorded from 6 or less of the 57 hectads (10km squares) covering the Watsonian VCs 18 and 19 it has been accorded a provisional Essex Red Data List status (pListed) here.

## Essex Red Species Table

Source	Taxon	Group	Vernacular	Status	Location	Position	Records	Latest
Essex Field Club	<i>Achillea ptarmica</i>	flowering plant	Sneezewort	Essex Red Data List: Listed	Takeley, Broxted S SW	TL5624	1	1996
Essex Field Club	<i>Acleris cristana</i>	insect - moth	a moth	Essex Red Data List: Listed	Elsenham, Eastend Wood	TL5625	1	1990
Essex Field Club	<i>Acleris literana</i>	insect - moth	a moth	Essex Red Data List: pListed	Elsenham, Eastend Wood	TL5625	1	1989
Essex Field Club	<i>Acleris schalleriana</i>	insect - moth	a moth	Essex Red Data List: pListed	Elsenham, Eastend Wood	TL5625	1	1990
Essex Birdwatching Society	<i>Alauda arvensis</i>	bird	Skylark	Essex Red Data List: Listed	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Alauda arvensis</i>	bird	Skylark	Essex Red Data List: Listed	Stansted Airport	TL5422	1	2018
Essex Birdwatching Society	<i>Alauda arvensis</i>	bird	Skylark	Essex Red Data List: Listed	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Alauda arvensis</i>	bird	Skylark	Essex Red Data List: Listed	Stansted Airport	TL5423	1	2018
Essex Birdwatching Society	<i>Alauda arvensis</i>	bird	Skylark	Essex Red Data List: Listed	Saffron Walden	TL5423	4	2020
Essex Field Club	<i>Anacamptis pyramidalis</i>	flowering plant	Pyramidal Orchid	Essex Red Data List: Listed	Unit 2 Stansted	TL558221	1	2020
Essex Field Club	<i>Ancylis laetana</i>	insect - moth	a moth	Essex Red Data List: pListed	Elsenham, Eastend Wood	TL5625	1	2002
Essex Field Club	<i>Apatura iris</i>	insect - butterfly	Purple Emperor	Essex Red Data List: Appendix, Essex Red Data List: pListed	Eastend Wood, near Molehill Green	TL5625	1	2014
Essex Field Club	<i>Arctia caja</i>	insect - moth	Garden Tiger	Essex Red Data List: Listed	Henham	TL52	1	1940
Essex Field Club	<i>Arctia caja</i>	insect - moth	Garden Tiger	Essex Red Data List: Listed	Bambers Green, Takeley	TL52	1	1973
Essex Field Club	<i>Arctia caja</i>	insect - moth	Garden Tiger	Essex Red Data List: Listed	Hatfield Forest	TL52	1	1979
Essex Field Club	<i>Athyrium filix-femina</i>	fern	Lady-fern	Essex Red Data List: Listed	Broxted and Elsenham, mainly Eastend Wood	TL5625	1	2000
Essex Field Club	<i>Athyrium filix-femina</i>	fern	Lady-fern	Essex Red Data List: Listed	Elsenham Broxted Eastend Wood	TL5625	1	1994

Essex Field Club	<i>Batophila aerata</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Hatfield Forest	TL52	1	1990
Essex Field Club	<i>Bruchus atomarius</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Hatfield Forest	TL52	1	1999
Essex Field Club	<i>Bryotropha terrella</i>	insect - moth	a moth	Essex Red Data List: Listed	Elsenham, Eastend Wood	TL5625	1	2002
Essex Field Club	<i>Carex pallescens</i>	flowering plant	Pale Sedge	Essex Red Data List: Listed	Elsenham, general	TL5525	1	1988
Essex Field Club	<i>Carex pallescens</i>	flowering plant	Pale Sedge	Essex Red Data List: Listed	Elsenham,[Eastend Wood]	TL5525	1	1994
Essex Field Club	<i>Carex pallescens</i>	flowering plant	Pale Sedge	Essex Red Data List: Listed	Eastend Wood	TL559255	1	1994
Essex Field Club	<i>Carpatolechia notatella</i>	insect - moth	a moth	Essex Red Data List: pListed	Elsenham, Eastend Wood	TL5625	1	1990
Essex Field Club	<i>Catarhoe rubidata</i>	insect - moth	Ruddy Carpet	Essex Red Data List: Listed	Henham	TL52	1	1940
Essex Birdwatching Society	<i>Circus aeruginosus</i>	bird	Marsh Harrier	Essex Red Data List: Listed	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Circus cyaneus</i>	bird	Hen Harrier	Essex Red Data List: Listed	TSM - White Barn	TL5626	1	2013
Essex Field Club	<i>Coscinia cribraria</i>	insect - moth	Speckled Footman	Essex Red Data List: Listed	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Cossus cossus</i>	insect - moth	Goat Moth	Essex Red Data List: Listed	Henham	TL52	1	1940
Essex Field Club	<i>Cyperus longus</i>	flowering plant	Galingale	Essex Red Data List: Listed	Elsenham (Tye Green) SW	TL5424	1	1997
Essex Birdwatching Society	<i>Delichon urbicum</i>	bird	House Martin	Essex Red Data List: Listed	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Delichon urbicum</i>	bird	House Martin	Essex Red Data List: Listed	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2013
Essex Field Club	<i>Deltote uncula</i>	insect - moth	Silver Hook	Essex Red Data List: pListed	Hatfield Forest	TL52	1	1940
Essex Field Club	<i>Ectemnius sexcinctus</i>	insect - hymenopteran	a digger wasp	Essex Red Data List: Listed	Takeley	TL564245	1	1997
Essex Birdwatching Society	<i>Emberiza citrinella</i>	bird	Yellowhammer	Essex Red Data List: Listed	Stansted Airport	TL5523	1	2020

Essex Birdwatching Society	<i>Emberiza citrinella</i>	bird	Yellowhammer	Essex Red Data List: Listed	Saffron Walden	TL5423	2	2020
Essex Birdwatching Society	<i>Emberiza schoeniclus</i>	bird	Reed Bunting	Essex Red Data List: Listed	TSM - White Barn	TL5626	1	2013
Essex Birdwatching Society	<i>Emberiza schoeniclus</i>	bird	Reed Bunting	Essex Red Data List: Listed	Stansted Airport	TL5422	1	2018
Essex Field Club	<i>Ennomos autumnaria</i>	insect - moth	Large Thorn	Essex Red Data List: Listed	Hatfield Forest	TL52	1	1969
Essex Field Club	<i>Ennomos autumnaria</i>	insect - moth	Large Thorn	Essex Red Data List: Listed	Takeley, Bambers Green	TL5723	2	2003
Essex Field Club	<i>Ennomos autumnaria</i>	insect - moth	Large Thorn	Essex Red Data List: Listed	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Epermenia falciformis</i>	insect - moth	a moth	Essex Red Data List: pListed	Elsenham, Eastend Wood	TL5625	1	2002
Essex Field Club	<i>Epilobium obscurum</i>	flowering plant	Short-fruited Willowherb	Essex Red Data List: Listed	Takeley, Broxted S SW	TL5624	1	1996
Essex Field Club	<i>Epipactis purpurata</i>	flowering plant	Violet Helleborine	Essex Red Data List: Listed	Broxted and Elsenham, mainly Eastend Wood	TL5625	1	1994
Essex Field Club	<i>Epipactis purpurata</i>	flowering plant	Violet Helleborine	Essex Red Data List: Listed	Elsenham Broxted Eastend Wood	TL5625	1	1994
Essex Bat Group	<i>Eptesicus serotinus</i>	terrestrial mammal	Serotine	Essex Red Data List: Listed	Elsenham, Church	TL542258	1	2008
Essex Field Club	<i>Eptesicus serotinus</i>	terrestrial mammal	Serotine	Essex Red Data List: Listed	TL540240	TL540240	2	2002
Essex Field Club	<i>Eptesicus serotinus</i>	terrestrial mammal	Serotine	Essex Red Data List: Listed	TL542259	TL542259	5	2007
Essex Field Club	<i>Erinaceus europaeus</i>	terrestrial mammal	Western Hedgehog	Essex Red Data List: Listed	TL551255	TL551255	3	2005
Essex Field Club	<i>Eupithecia denotata</i>	insect - moth	Campanula Pug	Essex Red Data List: Listed	Henham	TL52	1	1940
Essex Field Club	<i>Eupithecia haworthiata</i>	insect - moth	Haworth's Pug	Essex Red Data List: Listed	Henham	TL52	1	1940
Essex Field Club	<i>Eupithecia haworthiata</i>	insect - moth	Haworth's Pug	Essex Red Data List: Listed	Bambers Green, Takeley	TL52	1	1973
Essex Field Club	<i>Eupithecia haworthiata</i>	insect - moth	Haworth's Pug	Essex Red Data List: Listed	Elsenham, Eastend Wood	TL5625	1	2002
Essex Field Club	<i>Eupithecia inturbata</i>	insect - moth	Maple Pug	Essex Red Data List: Listed	Aubrey Buxton N.R., Stansted	TL52	1	1979



Essex Field Club	<i>Eupithecia pimpinellata</i>	insect - moth	Pimpinel Pug	Essex Red Data List: Listed	Takeley, Bambers Green	TL5723	1	2003
Essex Field Club	<i>Eupithecia trisignaria</i>	insect - moth	Triple-spotted Pug	Essex Red Data List: pListed	Hatfield Forest	TL52	1	1980
Essex Field Club	<i>Eupithecia venosata</i>	insect - moth	Netted Pug	Essex Red Data List: pListed	Aubrey Buxton N.R., Stansted	TL52	1	1979
Essex Birdwatching Society	<i>Gallinago gallinago</i>	bird	Snipe	Essex Red Data List: Listed	Stansted Airport	TL5422	1	2018
Essex Field Club	<i>Gastropacha quercifolia</i>	insect - moth	Lappet	Essex Red Data List: Listed	Bambers Green, Takeley	TL52	1	1973
Essex Field Club	<i>Gymnetron veronicae</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Takeley	TL52	1	1911
Essex Field Club	<i>Gymnophora arcuata</i>	insect - true fly (Diptera)		Essex Red Data List: pListed	Hatfield Forest	TL52	1	1982
Essex Field Club	<i>Hadena perplexa</i>	insect - moth	Tawny Shears	Essex Red Data List: pListed	Bambers Green, Takeley	TL52	1	1974
Essex Field Club	<i>Hadena perplexa</i>	insect - moth	Tawny Shears	Essex Red Data List: pListed	Henham	TL52	1	1940
Essex Field Club	<i>Hemaris fuciformis</i>	insect - moth	Broad-bordered Bee Hawk-moth	Essex Red Data List: Listed	Hatfield Forest	TL52	1	1940
Essex Field Club	<i>Hypena rostralis</i>	insect - moth	Buttoned Snout	Essex Red Data List: Listed	Henham	TL52	1	1940
Essex Field Club	<i>Laspeyria flexula</i>	insect - moth	Beautiful Hook-tip	Essex Red Data List: Listed	Henham	TL52	1	1940
Essex Field Club	<i>Laspeyria flexula</i>	insect - moth	Beautiful Hook-tip	Essex Red Data List: Listed	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Laspeyria flexula</i>	insect - moth	Beautiful Hook-tip	Essex Red Data List: Listed	Hatfield Forest	TL52	2	1969
Essex Field Club	<i>Laspeyria flexula</i>	insect - moth	Beautiful Hook-tip	Essex Red Data List: Listed	Aubrey Buxton N.R., Stansted	TL52	1	1979
Essex Field Club	<i>Lepus europaeus</i>	terrestrial mammal	Brown Hare	Essex Red Data List: Listed	TL550220	TL550220	2	1997
Essex Birdwatching Society	<i>Luscinia megarhynchos</i>	bird	Nightingale	Essex Red Data List: Listed	Stansted Airport	TL5422	1	2018
Essex Field Club	<i>Lutra lutra</i>	terrestrial mammal	Otter	Essex Red Data List: Listed	TL556220	TL556220	1	2015
Essex Field Club	<i>Lutra lutra</i>	terrestrial mammal	Otter	Essex Red Data List: Listed	Braintree College, Church Lane, Braintree	TL576224	1	2018
Essex Field Club	<i>Lutra lutra</i>	terrestrial mammal	Otter	Essex Red Data List: Listed	TL559220	TL559220	1	2015

Essex Field Club	<i>Lutra lutra</i>	terrestrial mammal	Otter	Essex Red Data List: Listed	Braintree College, Church Lane, Braintree, Essex, CM7 5SN	TL576224	1	2018
Essex Field Club	<i>Malthodes crassicornis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Takeley	TL52	1	1911
Essex Field Club	<i>Megabunus diadema</i>	harvestman		Essex Red Data List: Listed	Hatfield Fst Country Pk SSSI, N.T.	TL52	1	1982
Essex Field Club	<i>Melanargia galathea</i>	insect - butterfly	Marbled White	Essex Red Data List: Listed	Stansted Airport	TL558250	1	2018
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TL544259	TL544259	5	2009
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TL566247	TL566247	1	2014
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TL563222	TL563222	2	2017
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TL559249	TL559249	1	2017
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TL545256	TL545256	4	2008
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	Cressing West	TL577220	1	2019
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TL565239	TL565239	1	2010
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TL560251	TL560251	1	2011
Essex Field Club	<i>Meles meles</i>	terrestrial mammal	Badger	Essex Red Data List: Listed	TL546256	TL546256	4	2010
Essex Birdwatching Society	<i>Muscicapa striata</i>	bird	Spotted Flycatcher	Essex Red Data List: Listed	Saffron Walden	TL5423	1	2020
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	TL578228	TL578228	1	2007
Essex Bat Group	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	Elsenham, Church of St Mary	TL542259	1	2009
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	TL565257	TL565257	1	2007
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	TL542259	TL542259	5	2004
Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	TL575228	TL575228	1	2005

Essex Field Club	<i>Myotis nattereri</i>	terrestrial mammal	Natterer's Bat	Essex Red Data List: Listed	TL552255	TL552255	3	2006
Essex Field Club	<i>Myriophyllum verticillatum</i>	flowering plant	Whorled Water-milfoil	Essex Red Data List: Listed	Takeley NW	TL5623	1	1997
Essex Field Club	<i>Nyctalus leisleri</i>	terrestrial mammal	Leisler's Bat / Lesser Noctule Bat	Essex Red Data List: Listed	TL557237	TL557237	1	1994
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Essex Red Data List: Listed	Unit 1 Stansted	TL558221	1	2020
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Essex Red Data List: Listed	TL562232	TL562232	2	2007
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Essex Red Data List: Listed	TL562255	TL562255	1	1996
Essex Field Club	<i>Nyctalus noctula</i>	terrestrial mammal	Noctule Bat	Essex Red Data List: Listed	TL540241	TL540241	2	2002
Essex Field Club	<i>Nymphoides peltata</i>	flowering plant	Fringed Water-lily	Essex Red Data List: Listed	Broxted S NE	TL5725	1	2000
Essex Field Club	<i>Oidaematophorus lithodactyla</i>	insect - moth	Dusky Plume	Essex Red Data List: pListed	Hatfield Forest Marsh	TL52	1	1979
Essex Field Club	<i>Olindia schumacherana</i>	insect - moth	a moth	Essex Red Data List: pListed	Elsenham, Eastend Wood	TL5625	1	2002
Essex Field Club	<i>Omocestus viridulus</i>	insect - orthopteran	Common Green Grasshopper	Essex Red Data List: Listed	Molehill Green	TL564244	2	2002
Essex Field Club	<i>Omocestus viridulus</i>	insect - orthopteran	Common Green Grasshopper	Essex Red Data List: Listed	Takeley Water Tower	TL565235	2	2002
Essex Field Club	<i>Orchesia micans</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Gt Hallingbury	TL52	1	1911
Essex Field Club	<i>Paris quadrifolia</i>	flowering plant	Herb-paris	Essex Red Data List: Listed	Broxted and Elsenham, mainly Eastend Wood	TL5625	1	1998
Essex Field Club	<i>Paris quadrifolia</i>	flowering plant	Herb-paris	Essex Red Data List: Listed	Elsenham, general	TL5525	1	1990
Essex Birdwatching Society	<i>Passer montanus</i>	bird	Tree Sparrow	Essex Red Data List: Listed	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Perdix perdix</i>	bird	Grey Partridge	Essex Red Data List: Listed	Stansted Airport	TL5523	1	2020
Essex Field Club	<i>Pimpinella major</i>	flowering plant	Greater Burnet-saxifrage	Essex Red Data List: Listed	Takeley L SE	TL5522	1	1997
Essex Field Club	<i>Pimpinella major</i>	flowering plant	Greater Burnet-saxifrage	Essex Red Data List: Listed	Elsenham Broxted Eastend Wood	TL5625	1	1994
Essex Field Club	<i>Pimpinella major</i>	flowering plant	Greater Burnet-saxifrage	Essex Red Data List: Listed	Elsenham, general	TL5525	1	1988

Essex Field Club	<i>Pimpinella major</i>	flowering plant	Greater Burnet-saxifrage	Essex Red Data List: Listed	Broxted and Elsenham, mainly Eastend Wood	TL5625	1	1998
Essex Field Club	<i>Piniphila bifasciana</i>	insect - moth	a moth	Essex Red Data List: pListed	Elsenham, Eastend Wood	TL5625	1	2002
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL544249	TL544249	4	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL562234	TL562234	1	2007
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL554249	TL554249	1	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL565238	TL565238	1	2007
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	Elsenham, Church of St Mary	TL542259	1	2009
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL542258	TL542258	4	1998
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL561234	TL561234	1	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL578228	TL578228	1	2007
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL553226	TL553226	4	2012
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL563247	TL563247	1	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL541245	TL541245	1	2015
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL559233	TL559233	2	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL573225	TL573225	1	2007
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL549255	TL549255	4	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL563241	TL563241	1	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	Braintree College, Church Lane, Braintree	TL576224	1	2018
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL557233	TL557233	2	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL565248	TL565248	1	2008

Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL544258	TL544258	4	2009
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL562247	TL562247	1	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL554254	TL554254	3	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL565240	TL565240	1	2008
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	Ongar, 5 The Spinney	TL550255	1	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL542259	TL542259	2	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL562228	TL562228	2	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	Unit 1 Stansted	TL558221	1	2020
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL554225	TL554225	2	2007
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL564239	TL564239	2	2017
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	Elsenham, Church	TL542258	1	2013
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL542236	TL542236	2	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL559248	TL559248	1	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL575228	TL575228	1	2005
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL552255	TL552255	2	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL563245	TL563245	1	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	Braintree College, Church Lane, Braintree, Essex	TL576224	1	2018
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL558257	TL558257	3	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL565257	TL565257	1	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL548253	TL548253	4	2006
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL562255	TL562255	1	1996

Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL557223	TL557223	3	2008
Essex Field Club	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	TL565242	TL565242	1	2008
Essex Bat Group	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Common Pipistrelle	Essex Red Data List: Listed	Takeley	TL567247	1	2008
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	Braintree College, Church Lane, Braintree	TL576224	1	2018
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	TL562255	TL562255	1	1996
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	TL558257	TL558257	3	2006
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	TL553226	TL553226	2	2012
Essex Bat Group	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	Ongar	TL550255	1	2006
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	TL575228	TL575228	1	2005
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	Braintree College, Church Lane, Braintree, Essex	TL576224	1	2018
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	TL565238	TL565238	1	2007
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	TL561253	TL561253	1	2008
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	TL554225	TL554225	2	2007
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	TL544258	TL544258	4	2009
Essex Field Club	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	Soprano Pipistrelle	Essex Red Data List: Listed	TL565247	TL565247	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TL564249	TL564249	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TL564239	TL564239	1	2007
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TL575228	TL575228	1	2005
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TL561253	TL561253	1	2008
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	Elsenham, Church of St Mary	TL542259	1	2009

Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TL565257	TL565257	1	2006
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TL558257	TL558257	3	2006
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TL565240	TL565240	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TL555238	TL555238	1	1998
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TL564248	TL564248	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TL577229	TL577229	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TL562247	TL562247	1	2008
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	Takeley, Swan Farm, Molehill Green	TL570246	1	2010
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TL566242	TL566242	1	2011
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TL559245	TL559245	1	2008
Essex Bat Group	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	Bishops Stortford, Warish Hall, Warish Hall Lane, Takeley	TL568221	1	2013
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TL565248	TL565248	1	2008
Essex Field Club	<i>Plecotus auritus</i>	terrestrial mammal	Brown Long-eared Bat	Essex Red Data List: Listed	TL557223	TL557223	3	2008
Essex Field Club	<i>Poa compressa</i>	flowering plant	Flattened Meadow-grass	Essex Red Data List: Listed	Takeley L SE	TL5522	1	1997
Essex Field Club	<i>Poa compressa</i>	flowering plant	Flattened Meadow-grass	Essex Red Data List: Listed	Takeley, Bamber's Green R NE	TL5723	1	1997
Essex Field Club	<i>Poa compressa</i>	flowering plant	Flattened Meadow-grass	Essex Red Data List: Listed	Takeley R SE	TL5722	1	1997
Essex Field Club	<i>Polia bombycina</i>	insect - moth	Pale Shining Brown	Essex Red Data List: Listed	Henham	TL52	1	1940
Essex Field Club	<i>Polia bombycina</i>	insect - moth	Pale Shining Brown	Essex Red Data List: Listed	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Polia bombycina</i>	insect - moth	Pale Shining Brown	Essex Red Data List: Listed	Hatfield Forest	TL52	1	1940
Essex Field Club	<i>Potamogeton berchtoldii</i>	flowering plant	Small Pondweed	Essex Red Data List: Listed	Eastend Wood	TL559255	1	2002

Essex Field Club	<i>Primula elatior</i>	flowering plant	Oxlip	Essex Red Data List: Listed	Eastend Wood	TL559255	1	2002
Essex Field Club	<i>Primula elatior</i>	flowering plant	Oxlip	Essex Red Data List: Listed	Elsenham Broxted Eastend Wood	TL5625	1	1994
Essex Field Club	<i>Primula elatior</i>	flowering plant	Oxlip	Essex Red Data List: Listed	Broxted and Elsenham, mainly Eastend Wood	TL5625	1	2000
Essex Field Club	<i>Priocnemis coriacea</i>	insect - hymenopteran	a spider-hunter wasp	Essex Red Data List: Listed	Broxted	TL565255	1	2000
Essex Field Club	<i>Procaerus tibialis</i>	insect - beetle (Coleoptera)		Essex Red Data List: Listed	Hatfield Forest	TL52	2	1987
Essex Field Club	<i>Pseudosciaphila branderiana</i>	insect - moth	a moth	Essex Red Data List: pListed	Elsenham, Eastend Wood	TL5625	2	2002
Essex Birdwatching Society	<i>Pyrrhula pyrrhula</i>	bird	Bullfinch	Essex Red Data List: Listed	Elsenham Hall	TL5425	1	2014
Essex Birdwatching Society	<i>Pyrrhula pyrrhula</i>	bird	Bullfinch	Essex Red Data List: Listed	Elsenham	TL5425	1	2014
Essex Field Club	<i>Rhyacia simulans</i>	insect - moth	Dotted Rustic	Essex Red Data List: Listed	Elsenham, Eastend Wood	TL5625	1	1990
Essex Field Club	<i>Ribes nigrum</i>	flowering plant	Black Currant	Essex Red Data List: Listed	Broxted and Elsenham, mainly Eastend Wood	TL5625	1	2002
Essex Field Club	<i>Silaum silaus</i>	flowering plant	Pepper-saxifrage	Essex Red Data List: Listed	Takeley, Broxted S SW	TL5624	1	1996
Essex Field Club	<i>Silene noctiflora</i>	flowering plant	Night-flowering Catchfly	Essex Red Data List: Listed	Elsenham, Takeley & Stansted L NW	TL5423	1	1996
Essex Field Club	<i>Solidago virgaurea</i>	flowering plant	Goldenrod	Essex Red Data List: Listed	Takeley, Bamber's Green R NE	TL5723	1	1997
Essex Field Club	<i>Spaelotis ravida</i>	insect - moth	Stout Dart	Essex Red Data List: Listed	Henham	TL52	1	1940
Essex Field Club	<i>Spaelotis ravida</i>	insect - moth	Stout Dart	Essex Red Data List: Listed	Bambers Green, Takeley	TL52	1	1972
Essex Field Club	<i>Stellaria pallida</i>	flowering plant	Lesser Chickweed	Essex Red Data List: Listed	Elsenham M NW	TL5425	2	1997
Essex Field Club	<i>Stenoptilia bipunctidactyla</i>	insect - moth	Twin-spot Plume	Essex Red Data List: pListed	Eastend Wood, Elsenham	TL559255	1	1991
Essex Field Club	<i>Stenoptilia bipunctidactyla</i>	insect - moth	Twin-spot Plume	Essex Red Data List: pListed	Elsenham, Eastend Wood	TL5625	1	1988
Essex Field Club	<i>Succisa pratensis</i>	flowering plant	Devil's-bit Scabious	Essex Red Data List: Listed	Takeley, Broxted S SW	TL5624	1	1996



Essex Field Club	<i>Trifolium ochroleucon</i>	flowering plant	Sulphur Clover	Essex Red Data List: Listed	Takeley, Bambers Green	TL5722	1	1984
Essex Field Club	<i>Trifolium ochroleucon</i>	flowering plant	Sulphur Clover	Essex Red Data List: Listed	Elsenham	TL5423	2	1996
Essex Field Club	<i>Trifolium ochroleucon</i>	flowering plant	Sulphur Clover	Essex Red Data List: Listed	Elsenham, Takeley & Stansted L NW	TL5423	1	1996
Essex Field Club	<i>Trifolium ornithopodioides</i>	flowering plant	Bird's-foot Clover	Essex Red Data List: Listed	Takeley, Bamber's Green R NE	TL5723	1	1997
Essex Birdwatching Society	<i>Tringa totanus</i>	bird	Redshank	Essex Red Data List: Listed	TSM - White Barn	TL5626	1	2013
EFC/EARG	<i>Triturus cristatus</i>	amphibian	Warty Newt / Great Crested Newt	Essex Red Data List: Listed	EEW P2	TL559255	1	2001
EFC/EARG	<i>Triturus cristatus</i>	amphibian	Warty Newt / Great Crested Newt	Essex Red Data List: Listed	Takeley	TL571224	1	2018
Essex Birdwatching Society	<i>Turdus philomelos</i>	bird	Song Thrush	Essex Red Data List: Listed	Stansted Airport	TL5423	1	2018
Essex Birdwatching Society	<i>Turdus philomelos</i>	bird	Song Thrush	Essex Red Data List: Listed	Elsenham	TL5425	1	2014
Essex Birdwatching Society	<i>Turdus philomelos</i>	bird	Song Thrush	Essex Red Data List: Listed	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Turdus philomelos</i>	bird	Song Thrush	Essex Red Data List: Listed	Saffron Walden	TL5423	1	2020
Essex Field Club	<i>Tyta luctuosa</i>	insect - moth	Four-spotted	Essex Red Data List: Listed	Henham	TL52	1	1940
Essex Birdwatching Society	<i>Tyto alba</i>	bird	Barn Owl	Essex Red Data List: Listed	Stansted Airport	TL5523	2	2013
Essex Birdwatching Society	<i>Tyto alba</i>	bird	Barn Owl	Essex Red Data List: Listed	Tye Green, Elsenham	TL5424	1	2018
Essex Birdwatching Society	<i>Tyto alba</i>	bird	Barn Owl	Essex Red Data List: Listed	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Vanellus vanellus</i>	bird	Lapwing	Essex Red Data List: Listed	Stansted Airport	TL5422	1	2018

Essex Birdwatching Society	<i>Vanellus vanellus</i>	bird	Lapwing	Essex Red Data List: Listed	Stansted Airport	TL5423	1	2018
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## 25. Invasive Species

### Information about invasive species

Invasive species may threaten habitats and species with biodiversity and nature conservation value. Where invasive species are present, action may or may not be appropriate to control their spread or to eliminate them from sites and habitats.

Invasive Species Action Plans are used to help coordinate the response to key invasive non-native species across England, Scotland and Wales. The plans provide a short and strategic overview identifying the key aims, objectives and actions. They can be seen on the Defra website at

[REDACTED]

### Action on invasive species

The appropriate response to the presence of an invasive species will vary depending on the species and the degree to which it is or may in the future cause damage to the ecology at the location.

### Identification of invasive species

Identification of invasive non-native species is an essential part of invasive species management and guidance can be found on the Defra website at

[REDACTED]

### Invasive species records

Most existing records of invasive species in Essex are made during general recording, although there are plans to encourage targeted recording of these species in the future.

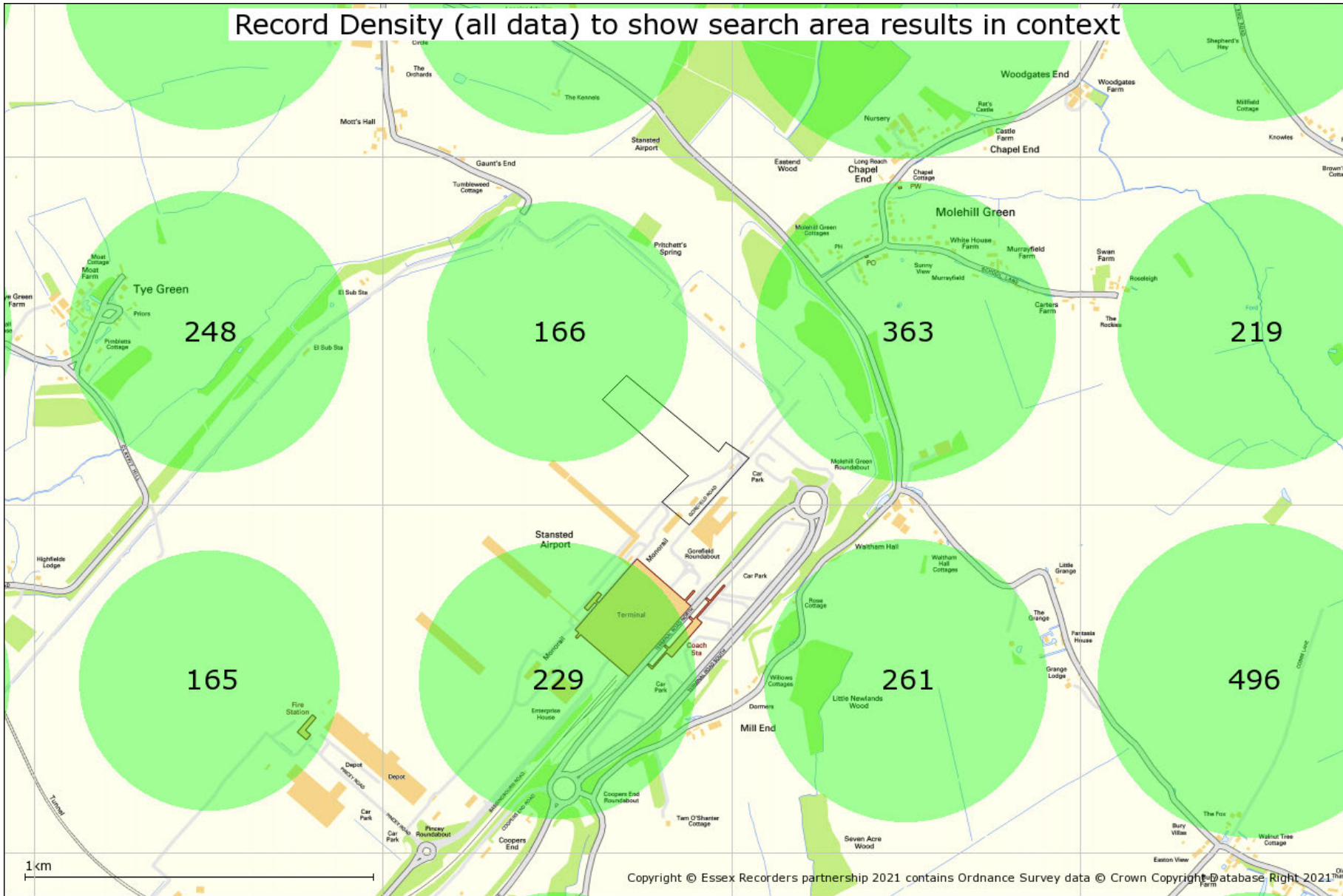
Where you have records of invasive species for the search area, please submit them to us by email to [datasearch@essexfieldclub.org.uk](mailto:datasearch@essexfieldclub.org.uk) or via our website at [REDACTED]

Where invasive species have been recorded, their records are summarised in the following table.

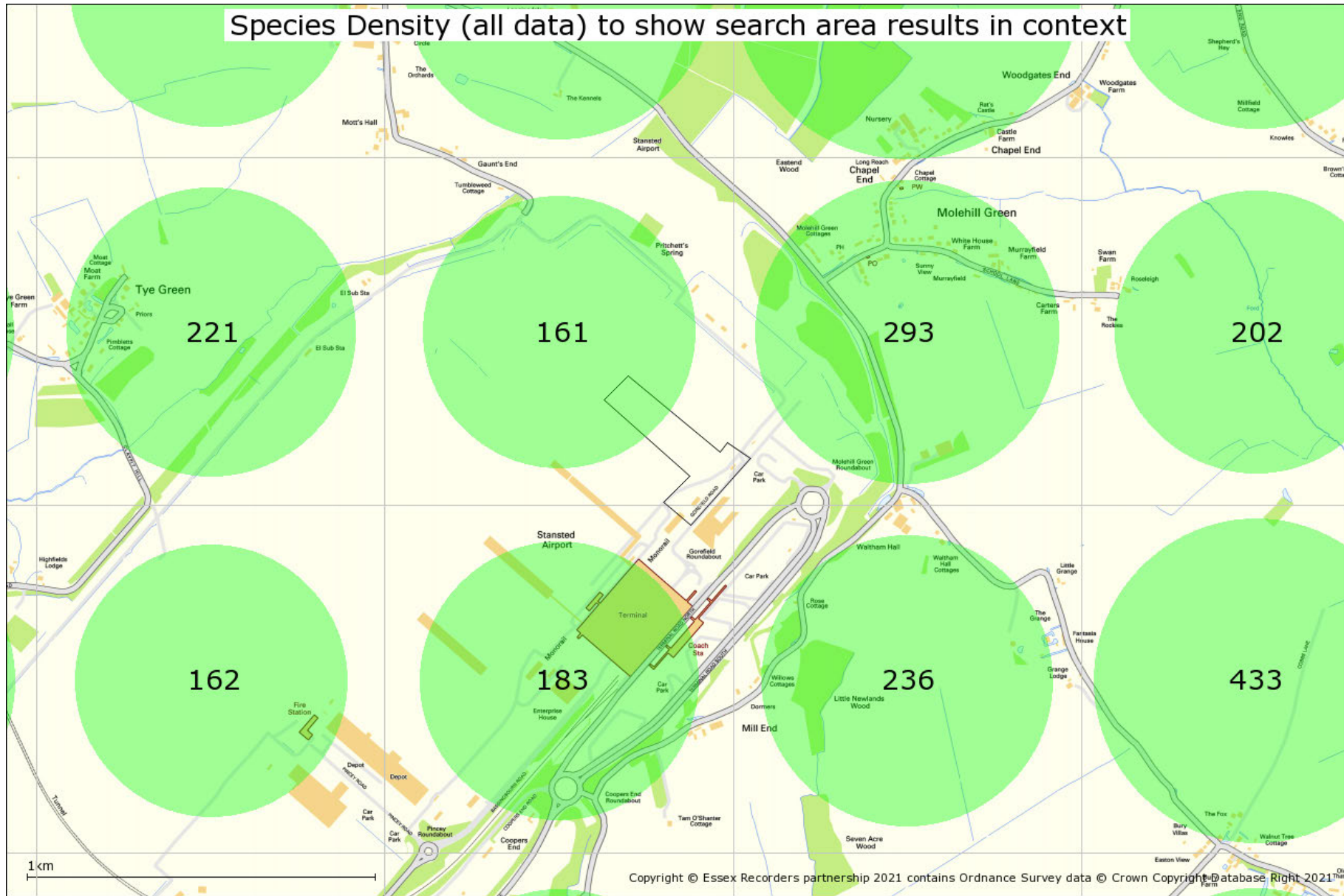
## Invasive Species

Source	Taxon	Group	Vernacular	Location	Position	Records	Latest
Essex Birdwatching Society	<i>Branta canadensis</i>	bird	Canada Goose	Stansted Airport	TL5523	1	2020
Essex Birdwatching Society	<i>Branta canadensis</i>	bird	Canada Goose	Saffron Walden	TL5423	1	2020
Essex Birdwatching Society	<i>Branta canadensis</i>	bird	Canada Goose	Stansted Airport	TL5423	1	2018
Essex Field Club	<i>Elodea nuttallii</i>	flowering plant	Nuttall's Waterweed	Broxted S NE	TL5725	1	2000
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Elsenham (Tye Green) SW	TL5424	1	1997
Essex Field Club	<i>Galega officinalis</i>	flowering plant	Goat's-rue	Elsenham, general	TL5525	1	2007
Essex Field Club	<i>Lagarosiphon major</i>	flowering plant	Curly Waterweed	Elsenham, general	TL5525	1	1999
Essex Field Club	<i>Lemna minuta</i>	flowering plant		Broxted and Elsenham, mainly Eastend Wood	TL5625	1	2002
Essex Field Club	<i>Lemna minuta</i>	flowering plant		Elsenham, general	TL5525	1	1988
Essex Field Club	<i>Lemna minuta</i>	flowering plant		Broxted S NE	TL5725	1	2002
Essex Field Club	<i>Lemna minuta</i>	flowering plant		Takeley R SE	TL5722	1	1997
Essex Field Club	<i>Muntiacus reevesi</i>	mammal	Muntjac Deer	TL564242	TL564242	1	1999
Essex Field Club	<i>Muntiacus reevesi</i>	mammal	Muntjac Deer	TL546253	TL546253	4	2006
Essex Field Club	<i>Muntiacus reevesi</i>	mammal	Muntjac Deer	TL542241	TL542241	2	1997
Essex Field Club	<i>Muntiacus reevesi</i>	mammal	Muntjac Deer	TL551221	TL551221	3	1998
Essex Field Club	<i>Muntiacus reevesi</i>	mammal	Muntjac Deer	TL544258	TL544258	4	2009
Essex Field Club	<i>Nymphoides peltata</i>	flowering plant	Fringed Waterlily	Broxted S NE	TL5725	1	2000
Essex Birdwatching Society	<i>Psittacula krameri</i>	bird	Rose-ringed Parakeet	Elsenham Hall, near Stansted Mountfitchett	TL5425	1	2020
Essex Field Club	<i>Quercus ilex</i>	flowering plant	Evergreen Oak	Elsenham M NW	TL5425	1	1997
Essex Field Club	<i>Solidago canadensis</i>	flowering plant	Canadian Goldenrod	Takeley, Broxted S SW	TL5624	1	1996

Record Density (all data) to show search area results in context



# Species Density (all data) to show search area results in context



## Summary of Species Record Counts

### Records of Scheduled Species

Records in scheduled categories as detailed in this report are enumerated below.

Protected Species Records	521
Priority / NERC S41 Species Records	377
Global & National Red List and Scarce Species Records	111
Essex Red Data List Species Records	314
Invasive Species Records	29

### Records used in preparing this report

Counts below are for all records within the designated search area used in the preparation of this report. This table is for your information only and is intended to show the relative contribution from each taxonomic group.

Essex Bat Group	10
Essex Birdwatching Society	367

### Essex Field Club County Recorder counts

Aculeata	27
Aculeata: Apinae	1
Aculeata: Formicidae	1
Amphibians and reptiles	4
Araneae	69
Auchenorrhyncha	0
Bats	148
Birds	0
Coleoptera	16
Diptera: Larger Brachycera	3
Diptera: other groups	3
Diptera: Syrphidae	18
Fungi	3
Galls	0
Heteroptera	5
Hymenoptera: other groups	1
Isopoda	4
Lepidoptera: butterflies	123
Lepidoptera: macromoths	1468
Lepidoptera: micromoths	207
Lichens	0
Mammals	131
Mollusca	0
Myriapoda	4
Non-vascular plants	44
Odonata	4
Opiliones	5
Orthoptera group	18
Pseudoscorpiones	0
Slime moulds	0
Trichoptera	1
Vascular plants	3081



## Geological Site Information

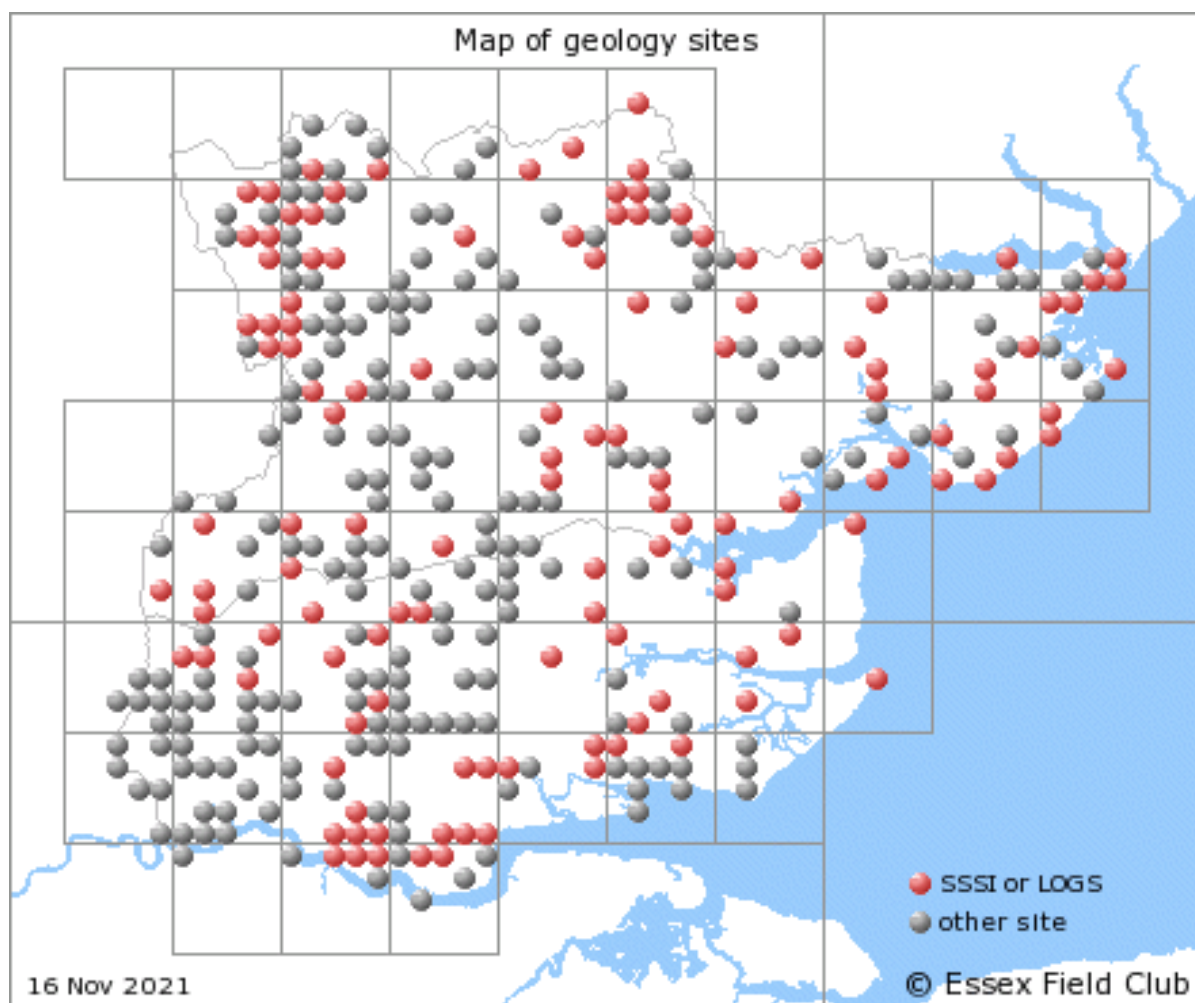
The geological site database includes and describes geological sites which are of regional or local importance for their scientific, historical and/or educational value unlike the strictly scientific criteria applied to the SSSIs (Sites of Special Scientific Interest) which are of national importance. These are not 'second tier' sites but sites of regional and local value in their own right.

Some of these sites are being designated as Local Geological Sites (LOGS), formerly called Regionally Important Geological Sites, or have the potential to be so designated, and these sites are marked as such. Existing SSSIs which have been designated for their geological importance are also included in this database.

*Note: Some of the sites in the geological site database are solely of historical interest as a record of an important or interesting discovery. There are also sites which are not strictly geological but nevertheless have a geological connection, for example buildings constructed of local stone. These sites have not been included in this report.*

Although many of the sites listed are publicly accessible, inclusion of a site in this database does not imply any rights of access. Permission to visit must always be obtained from the relevant landowner.

**There are no geological Sites of Special Scientific Interest, Potential Local Geological or Designated Local Geological Sites identified in relation to the search area.**





## **Additional geological Site Information**

The following general geological sites have also been identified. Further information is available from



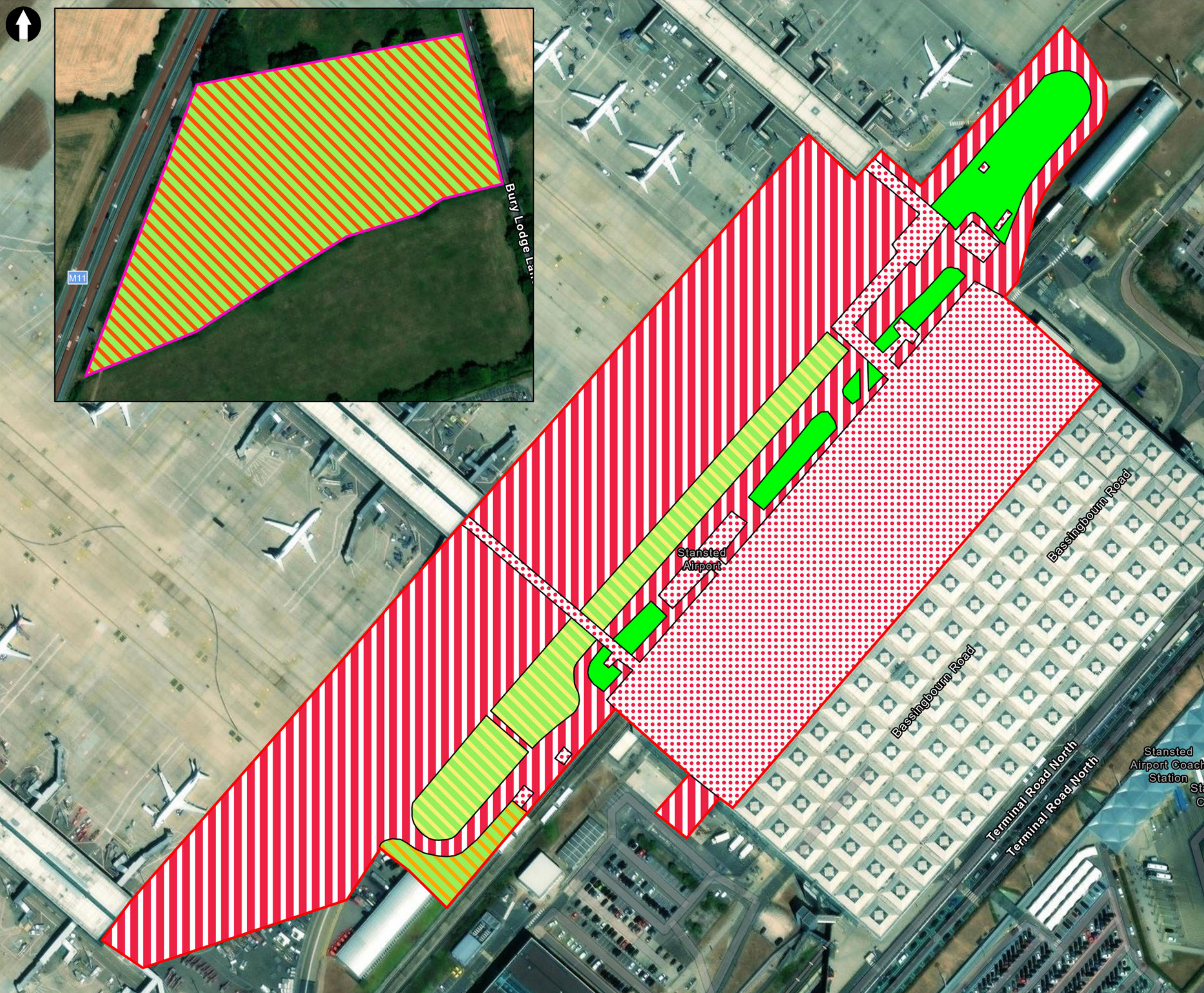
**No general geological sites are identified in relation to the search area**

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# D. UKHabs Habitat Classification Map





**Key to Symbols**

- Red line boundary (indicative)
- Potential biodiversity net gain area

**Habitat type**

- U1b - Hardstanding
- U1b5 - Building
- g3c - Other neutral grassland
- g3c - Other neutral grassland (secondary code 17, ruderal/ephemeral)
- g3c - Other neutral grassland (secondary code 64, mown grassland)
- g4 - Modified grassland (secondary code 66, regularly mown)

**Notes**

Background mapping: Maxar, Microsoft, Contains OS data © Crown Copyright and database right 2022  
 Contains data from OS Zoomstack, Esri Community Maps Contributors, Esri UK, Esri, HERE, Garmin, Foursquare, GeoTechnologies, Inc, MET/NASA, USGS.  
 Survey data: Mott MacDonald, 2023.

Rev	Date	Drawn	Description	Ch'k'd	App'd
01	17/07/2023	KV	For Information	RS	RS

**M**

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**Client**  
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 London Stansted Airport  
 Bassingbourn Road  
 CM24 1QW

**Title**  
 Stansted Transformation Programme (STN-TP)  
 Terminal Extension  
 UK Habitat Classification

Designed	R Swift	Check	R Swift
Drawn	K Vahakuopus	Coordination	-
GIS Check	K Vahakuopus	Approved	R Swift
Scale at A3	Status	Rev	Security
1:2,000	INF	01	STD

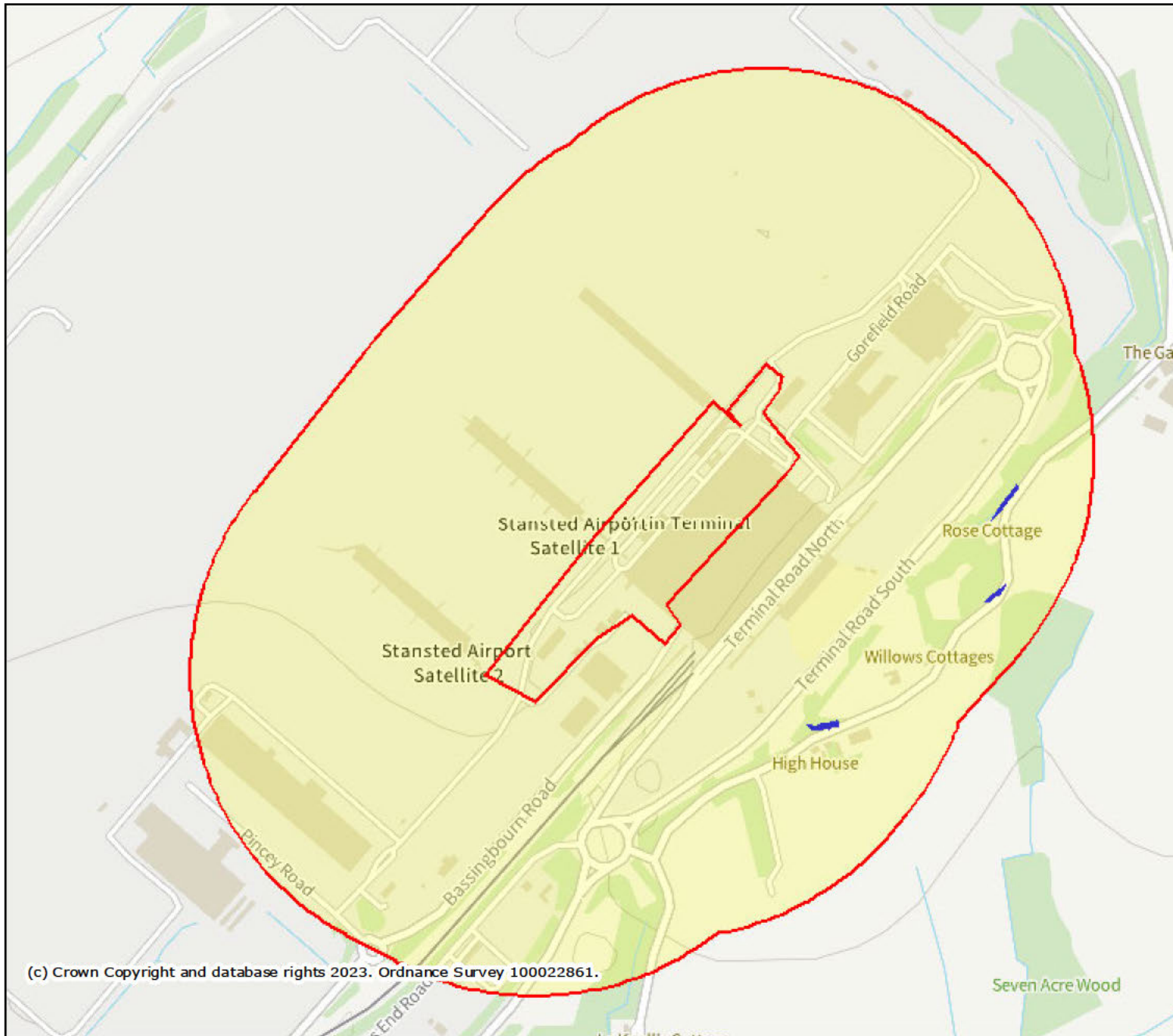
Drawing Number  
 UK habitat classification - P01





# E. Pond Location Plan

## Pond Location Map



(c) Crown Copyright and database rights 2023. Ordnance Survey 100022861.

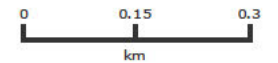
Projection = OSGB36

xmin = 553800

ymin = 222800

xmax = 557200

ymax = 224700



Map produced by MAGiC on 13 July, 2023.

Copyright resides with the data suppliers and the map must not be reproduced without their permission. Some information in MAGiC is a snapshot of the information that is being maintained or continually updated by the originating organisation. Please refer to the metadata for details as information may be illustrative or representative rather than definitive at this stage.

# F. Essex County Council Biodiversity Checklist





# Essex Biodiversity Validation Checklist

Prepared by Place Services

Essex County Council

Version 1.3 | June 2015



# Introduction

**This checklist is a requirement for all planning applications to Essex County Council (ECC) considered a major development as defined by [Article 8\(7\) of The Town and Country Planning \(General Development Procedure\) Order 1995](#). ECC is the determining planning authority for mineral, waste and Regulation 3 applications.**

**The assistance of a professional ecologist will be necessary to complete the checklist.**

**For other applications not defined as a major development, applicants are strongly encouraged to use the checklist where there may be adverse effects on the natural environment. It should be noted that applications not considered a major development will still be reviewed by a planning authority ecologist.**

**For some developments an Environmental Impact Assessment (EIA) maybe required. In these cases this checklist must still be completed and used to inform the content of the Ecology Chapter of the Environment Statement subject to any Scoping Opinion issued by the planning authority.**

This checklist aims to provide a clear, transparent process for both applicant and Local Planning Authority (LPA) and ensure conformity with **British Standard 42020:2013 for Biodiversity (Code of practice for planning and development)**. Its correct application will help the applicant and LPA comply with national biodiversity policy and legislation; thereby reducing the likelihood of delays resulting from the submission of inadequate information.

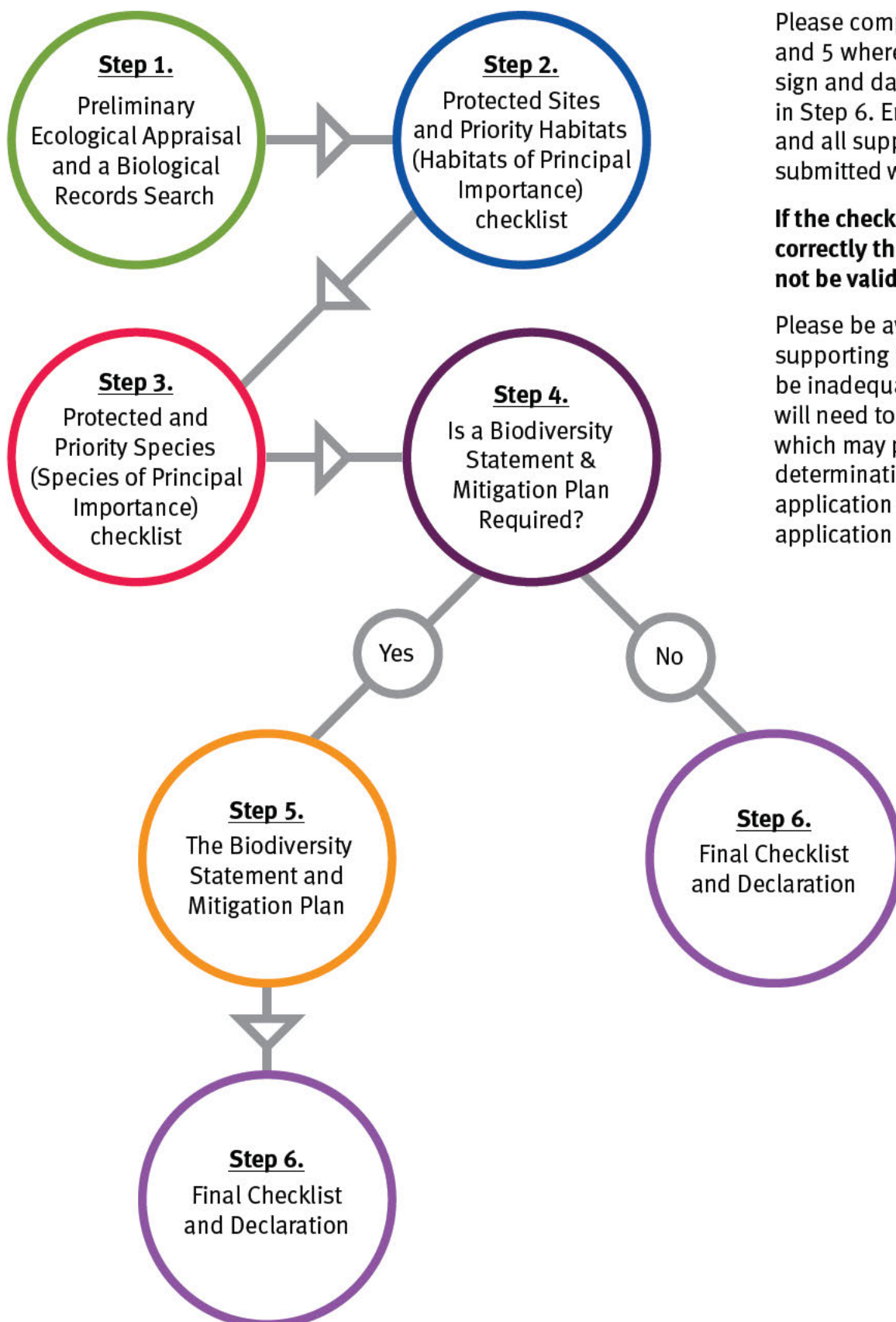
The checklist does not attempt to provide a detailed account of the legislation and policy that underpin biodiversity conservation in England. Further information can be obtained from [Natural England](#) and links have been provided in the text to external sources of information where appropriate. [A glossary](#) is also included at the end of the checklist.

The checklist is supported by Natural England's local Land Use Operations team and endorsed by the [Essex Biodiversity Project](#).

The checklist is a component of Essex County Council's Supplementary Guidance for the Submission of Planning Applications. It has been produced with funding provided by Natural England.

# The Six Steps

The checklist comprises 6 steps:



Please complete steps 1 to 4 - and 5 where necessary - then sign and date the declaration in Step 6. Ensure the checklist and all supporting information is submitted with your application.

**If the checklist is not completed correctly the application may not be valid.**

Please be aware that if the supporting information proves to be inadequate further evidence will need to be provided, which may potentially **delay** determination of the planning application or lead to the application being **refused**.

## Step 1.

# Preliminary Ecological Appraisal and Biological Records Search

A Preliminary Ecological Appraisal (PEA) of the application site must be completed in a format consistent with the '[Guidelines for Preliminary Ecological Appraisal](#)' published by the Chartered Institute of Ecology and Environmental Management (CIEEM).

The PEA and any subsequent Biodiversity Statement & Mitigation Plan should be prepared by a competent and qualified Ecologist. To find a suitable Ecological Consultant please contact [CIEEM](#) in the first instance.

The PEA must include a description of any recent works, such as vegetation clearance, that have been undertaken at the application site prior to the ecological appraisal that may affect its findings.

The PEA must include a biological records search of the application site and a 2 kilometre area extending from the sites boundary. It should encompass the following biodiversity features as a minimum:

### Protected Sites

- Special Areas of Conservation (SAC), Special Protection Areas (SPA) & Ramsar sites
- Sites of Special Scientific Interest (SSSI)
- Local Sites (i.e. Local Wildlife Sites – LoWS and Special Roadside Verges)

### European Protected Species

- Species protected under the Conservation of Habitats and Species Regulations 2010 (as amended)

### National Protected Species

- Species protected under the Wildlife & Countryside Act 1981 (as amended)
- Badgers (The Protection of Badgers Act 1992)

### Priority Habitats and Species

- Habitats of Principal Importance in England (Priority Habitats)
- Species of Principal Importance in England (Priority Species)

### Relevant data can be obtained from the following sources:

- Natural England [www.magic.gov.uk](http://www.magic.gov.uk)  
*Interactive map displaying information about SPA, SAC, Ramsar, SSSI and Ancient Woodland sites*
- Essex Field Club [www.essexfieldclub.org.uk/portal/p/Datasearch](http://www.essexfieldclub.org.uk/portal/p/Datasearch)  
*Main source of species records*
- Essex Wildlife Trust Biological Records Centre [www.essexwtrecords.org.uk](http://www.essexwtrecords.org.uk)  
*Holds site, habitat and species records including information about Local Wildlife Sites*
- Essex Biodiversity Project [www.essexbiodiversity.org.uk](http://www.essexbiodiversity.org.uk)  
*The Essex Biodiversity Action Plan can be viewed at this site*

Using the results of the Preliminary Ecological Appraisal and Biological Records Search please complete **Steps 2 - 5** which will determine whether further survey and assessment work is required.



## Step 2.

# Protected Sites and Priority Habitats (Habitats of Principal Importance) Checklist

Please complete Column 2 of Table 2.1 below. Links to more information have been provided for each site or habitat in column 1.

**Table 2.1 - Sites and Habitats Checklist**

1. Question	2. Please tick as appropriate
Is your development within 10km of a <a href="#">Special Area of Conservation</a> (SAC), <a href="#">Special Protection Area</a> (SPA) or <a href="#">Ramsar Site</a> ?	*Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Is your development within 2km of a <a href="#">Site of Special Scientific Interest</a> (SSSI)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Is your development within 250m of any <a href="#">Habitats of Principal Importance</a> ; <a href="#">Ancient Woodland</a> and/or <a href="#">Local Site</a> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

*\*If you answer yes to this question additional detail maybe required by the LPA and Natural England to enable the completion of a Habitat Regulations Assessment (HRA). It is strongly recommended that you seek advice from Natural England prior to submitting your application, and submit details of any relevant correspondence with your checklist and application.*

If you have answered 'yes' to any of the questions above please complete [Table 2.2 \(Sites and Habitat Evaluation\)](#) before proceeding to [Step 3](#).

If you have answered 'no' to all of the questions above please proceed directly to [Step 3](#).

Please complete Column 2 of Table 2.2 below, followed by Column 3 as appropriate.

**Table 2.2 – Sites and Habitats Evaluation**

1.	2.	3.
Site/habitat	Is there a ‘reasonable likelihood’ that the development will affect (either directly or indirectly) a site or habitat in column 1 prior to applying mitigation?  (Tick as appropriate)	Where you have answered <b>‘yes’</b> name the site(s) or habitat(s) and summarise any possible direct or indirect effects that may occur during construction or operation. For SPA’s this includes ‘qualifying species’ occurring outside of the designated site boundary.  Where you have answered <b>‘no’</b> please provide a concise statement to support your answer.
SAC/SPA/Ramsar site*	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	No SPA, SAC or RAMSAR site is situated within 10km of the Site boundary. Therefore, due to the relative small scale of the works, they will not affect any of these sites.

1.	2.	3.
SSSI*	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<p>The nearest SSSI is located over 1km away from the site, and is accustomed to a high baseline level of disturbance due to the aircraft activity. The construction works are unlikely to produce significant levels of dust or debris that will impact a site over 1km away.</p>
Priority Habitats	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<p>No priority habitats were noted within 2km of the site. Therefore no impacts anticipated.</p>

*\*If you have answered 'yes' please seek advice from Natural England.*

1.	2.	3.
Ancient Woodland	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<p>The closest ancient woodland is over 1km from site, and will be used to high levels of disturbance from the aircraft and the potential risk for dust, debris, FoD, pollution and audible disturbance this causes. The construction works will not create additional impacts that will go above the threshold the ancient woodland can maintain without impact.</p>
Local Wildlife Sites	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<p>The closest LWS is over 700m from site and will have a high level of disturbance from the public, vehicular activity, aircraft and passengers. The construction works will not create additional pressures any closer to the LWS than are already present, nor will they create additional impacts such as dust that will damage these sites.</p>

# Step 3.

## Protected and Priority Species (Species of Principal Importance) Checklist

Please complete Column 2 in Table 3.1 below. Where ‘Yes’ is answered a circle in the corresponding row indicates those species with a ‘reasonable likelihood’ of being present, and for which further surveys may be required. The table has been adapted from the [Natural England Standing Advice for Protected Species](#).

1.	2. (Yes/No)	European Protected Species				Nationally Protected Species (for species groups links to the relevant legislation are provided)							Priority Species ( <a href="#">Link</a> to national List)						
		Bats	Dormouse	Great Crested Newt	Otter	Badger	Barn Owl	Breeding Birds	Invertebrates	Native crayfish	Other Protected Birds	Plants (inc. fungi, ferns and bryophytes)	Reptiles	Water Vole	Birds	Fungi	Invertebrates	Mammals	Plants (inc. ferns and bryophytes)
Does the application involve modification, conversion, demolition or removal of any of the following features or types of building: <ul style="list-style-type: none"> <li>• loft space</li> <li>• any roof with gaps or cracks e.g. through uneven tiling</li> <li>• weather boarding</li> <li>• hanging tiles</li> <li>• gable ends</li> <li>• slate roof</li> <li>• clay-tiled pitched roof</li> <li>• wooden cladding</li> <li>• dense climbing plants</li> <li>• Underground structures including but not limited to cellars, tunnels, mines, kilns, ice-houses, air-raid shelters, all bridge structures, aqueducts and viaducts especially over water and wet ground</li> <li>• Agricultural building particularly but not exclusively those of traditional brick, stone or timber construction?</li> <li>• Buildings of pre-20th or early 20th Century construction</li> </ul>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	●					●	●			●			●					



1.	2. (Yes/No)	European Protected Species				Nationally Protected Species (for species groups links to the relevant legislation are provided)							Priority Species ( <a href="#">Link</a> to national List)						
		Bats	Dormouse	Great Crested Newt	Otter	Badger	Barn Owl	Breeding Birds	Invertebrates	Native crayfish	Other Protected Birds	Plants (inc. fungi, ferns and bryophytes)	Reptiles	Water Vole	Birds	Fungi	Invertebrates	Mammals	Plants (inc. ferns and bryophytes)
Does the application site contain or is it adjacent to: a lake; river; canal; stream; ditch; marsh; or reedbed?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	●		●	●				●	●				●		●			
Does the application involve new lighting of a building/ structure with features suitable for bats or barn owl (e.g. described in row 1 above); or lighting of green space within 50m of woodland, water, hedgerows or tree lines?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	●					●												
Does the application site contain or is it within 200m of: semi-natural woodland; scrub thicket; or is it bounded by or adjacent to hedgerows of predominantly native species that are greater than 1m tall and 0.5m wide?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	●	●	●		●		●	●		●		●		●		●		●
Does the application site contain or is it adjacent to a tree/woodland plantation, including of conifers?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	●	●	●		●		●			●		●		●				●
Does the application site contain trees that are older than 100 years; trees with obvious holes, cracks, cavities, rot, loose bark, woodpecker holes; or trees with a girth greater than 1m at chest height?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	●					●	●	●		●				●	●	●		

1.	2. (Yes/No)	European Protected Species				Nationally Protected Species (for species groups links to the relevant legislation are provided)							Priority Species ( <a href="#">Link</a> to national List)						
		Bats	Dormouse	Great Crested Newt	Otter	Badger	Barn Owl	Breeding Birds	Invertebrates	Native crayfish	Other Protected Birds	Plants (inc. fungi, ferns and bryophytes)	Reptiles	Water Vole	Birds	Fungi	Invertebrates	Mammals	Plants (inc. ferns and bryophytes)
Does the application site involve disturbance, modification, demolition or construction on/in: gravel pits; quarries; natural cliff faces; or rock outcrops?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	●		●		●		●	●		●	●	●		●		●	●	●
Does the application site contain or is it within 100m of a pond or other water-body (500m for major developments)? It can be permanent or ephemeral (sometimes dries out)	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			●				●							●		●		●
Does the application site contain or is it adjacent to grassland such as meadows, parkland or pasture?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	●		●		●		●			●	●				●	●	●	●
Does the application site contain previously-developed, derelict or brownfield land; or railway land?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	●		●		●	●	●		●		●			●		●		
Does the application involve the modification, disturbance or removal of: mature or over-grown gardens; rough grassland; scrubland or allotments?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	●	●	●		●		●		●	●	●			●		●	●	●
Does the application involve disturbance or removal of a compost heap?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>											●							

1.	2. (Yes/No)	European Protected Species				Nationally Protected Species (for species groups links to the relevant legislation are provided)							Priority Species ( <a href="#">Link</a> to national List)						
		Bats	Dormouse	Great Crested Newt	Otter	Badger	Barn Owl	Breeding Birds	<u>Invertebrates</u>	Native crayfish	<u>Other Protected Birds</u>	<u>Plants (inc. fungi, ferns and bryophytes)</u>	<u>Reptiles</u>	Water Vole	Birds	Fungi	Invertebrates	Mammals	Plants (inc. ferns and bryophytes)
Does the application involve the modification, disturbance or removal of arable field(s) with hedgerow and/or grass margin?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							●											●
Does the application site contain or is it within 50m of coastal habitats including estuary, rocky shore, sand dunes and saltmarsh, grazing marsh?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				●			●					●			●			
Does the application site contain or is it adjacent to heathland?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	●	●		●		●	●		●	●	●		●	●	●	●	●	●

**If you have answered ‘yes’ to any of the questions above please complete [Table 3.2 \(Species Evaluation\)](#) on the following page.**

**If you have answered ‘no’ to all of the questions above please proceed to [Step 4](#).**

Please complete column 2 of Table 3.2 below followed by column 3 as appropriate.

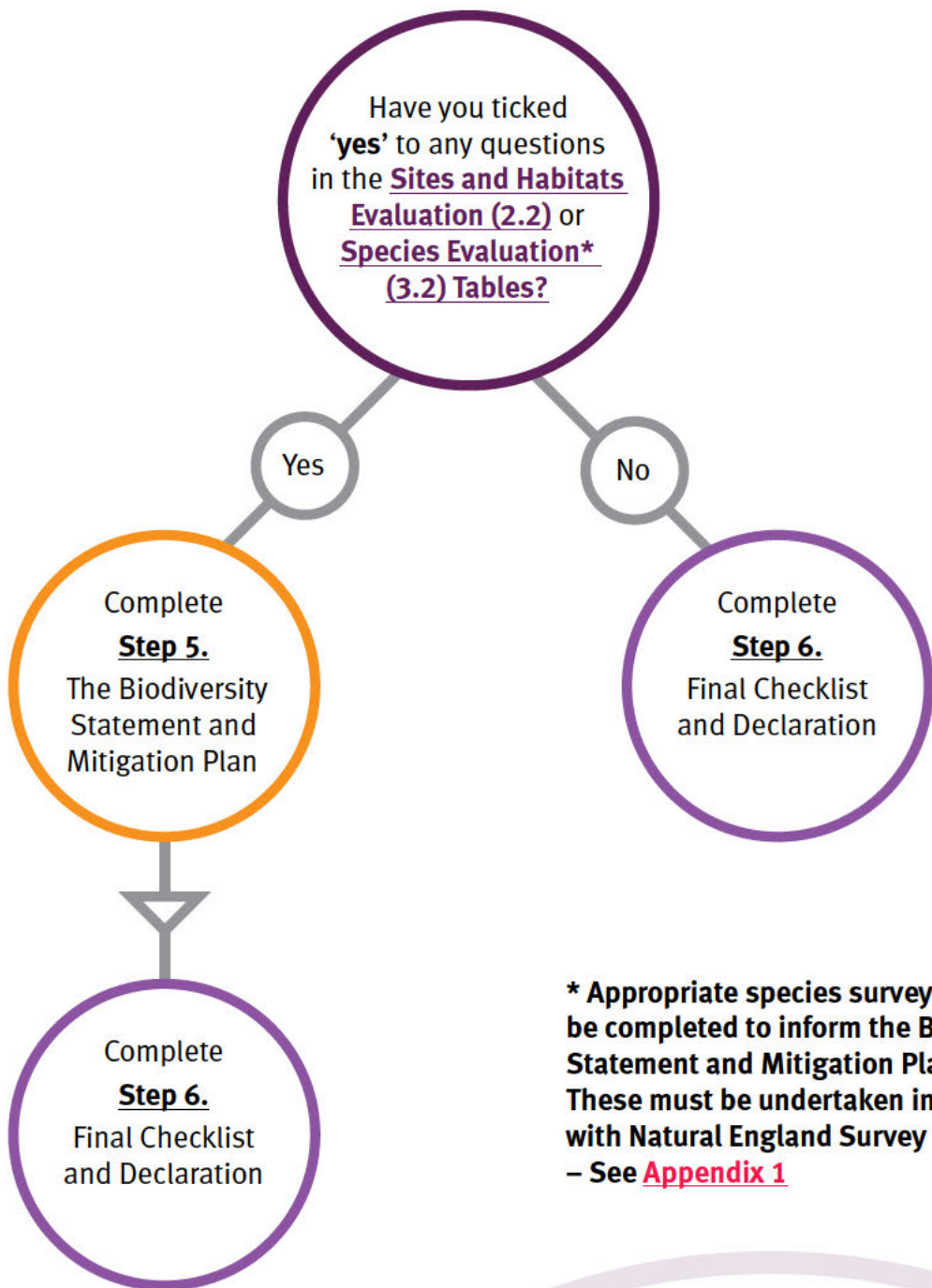
**Table 3.2 – Species Evaluation**

1.	2.	3.
<p><b>Species</b> (Identified following the completion of Table 3.1)</p>	<p>Is there a <b>‘reasonable likelihood’</b> that the development will affect a species in column 1 <b>prior</b> to applying mitigation? (Tick as appropriate)</p>	<p>Where you have answered <b>‘yes’</b> name the species and summarise any possible direct or indirect effects that may occur during construction or operation.</p> <p><b>Appropriate species surveys will need to be completed to inform the Biodiversity Statement and Mitigation Plan (Step 5). These must be undertaken in accordance with Natural England Survey Requirements – See <a href="#">Appendix 1</a></b></p> <p>Where you have answered <b>‘no’</b> please provide a concise statement to support your answer.</p>
<p>European Protected Species</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>No signs of European Protected Species were noted on site during the walkover, nor were the habitats conducive to supporting such species. The site is also in an area of high disturbance due to a number of various factors (lighting, noise, public interference, vehicular activity), and therefore due to the presence of far greater habitat in the surrounding areas, no likely impacts are anticipated.</p>

1.	2.	3.
Nationally Protected Species	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<p>No significant signs of Nationally Protected Species were noted on site during the walkover, nor were the habitats conducive to supporting such species. One Tawny Owl pellet was noted, but the habitats on Site would not support a nest of this species, so it was likely just commuting through the area. Ornithological monitoring throughout the works will ensure no damage to nesting birds during construction. The site is also in an area of high disturbance due to a number of various factors (lighting, noise, public interference, vehicular activity), and therefore due to the presence of far greater habitat in the surrounding areas, no likely impacts are anticipated.</p>
Priority Species	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<p>No signs of Priority Species were noted on site during the walkover, nor were the habitats conducive to supporting such species. The site is also in an area of high disturbance due to a number of various factors (lighting, noise, public interference, vehicular activity), and therefore due to the presence of far greater habitat in the surrounding areas, no likely impacts are anticipated.</p>

## Step 4.

# Is a Biodiversity Statement and Mitigation Plan Required?



**\* Appropriate species surveys will need to be completed to inform the Biodiversity Statement and Mitigation Plan (Step 5). These must be undertaken in accordance with Natural England Survey Requirements – See [Appendix 1](#)**



## Step 5. Biodiversity Statement and Mitigation Plan

If you have answered ‘yes’ to any questions in the [Sites and Habitats Evaluation \(2.2\)](#) or [Species Evaluation \(3.2\) Tables](#) you must submit a Biodiversity Statement and Mitigation Plan incorporating the findings of the Preliminary Ecological Appraisal.

The Biodiversity Statement and Mitigation Plan must include the following:

1. A map showing the location of protected sites on or within 2km of the application site boundary (see [Appendix 2](#)).
2. An Extended [Phase 1 Habitat Survey](#) which shows the location and extent of habitats that could be affected by the proposals; together with the features associated with Protected or Priority species.
3. Relevant Protected and/or Priority Species Surveys including results and methods\* in accordance with Natural England’s Standing Advice for Protected Species Survey Requirements (See [Appendix 1](#)).
4. A qualitative evaluation of the value and likely impacts/effects upon each biodiversity feature (habitat, species or, where appropriate, species assemblage). This should adopt the same approach to the evaluation and identification of impacts as recommended by the Chartered Institute of Ecology and Environmental Management (CIEEM) in their [Ecological Impact Assessment \(EclA\) Guidelines](#).
5. If you have answered ‘yes’ to any questions in **Table 2.2 Sites and Habitats Evaluation** - a quantitative evaluation of the application site’s habitats using Defra’s [Biodiversity Offsetting Metric](#) i.e. a calculation showing the number of Biodiversity Units within the application site boundary before and after development. An **impact calculator** for developers is available on the Environment Bank [website](#).
6. For each biodiversity feature that will be adversely affected a Mitigation Plan detailing:
  - a. How adverse impacts will be avoided\*\*, reduced and/or mitigated\*\*\*.
  - b. How any residual impacts that cannot be avoided and/or mitigated will be compensated\*\*\* for off-site.
  - c. Where appropriate, how mitigation or compensation measures will be managed, resourced and monitored post-permission. Detailed guidance about the format of long-term mitigation and habitat management plans can be provided upon request.
7. Proposals for biodiversity enhancements. This is strongly encouraged for all developments, but especially for applications that occur within recognised local ecological networks such as a [Living Landscape Area](#) or the [Greater Thames Marshes Nature Improvement Area \(NIA\)](#).

All habitat creation or restoration measures should be focused upon local conservation priorities as defined by the [Essex Biodiversity Action Plan](#).

*\*This should clearly describe the survey work undertaken. Simply stating national survey guidelines were followed is not sufficient.*

*\*\*where the final location or design of the development is not necessarily the least harmful to biodiversity, the overriding technical reasons for this choice must be clearly evidenced.*

*\*\*\*Habitat mitigation and/or compensation measures must be expressed in Biodiversity Units (See Defra’s Biodiversity Offsetting Metric).*

# Supporting Notes

## BS 42020 – a code of practice for biodiversity in planning and development

BS 42020 is a standard developed by the British Standards Institution (BSI) in association with biodiversity experts and stakeholders from across all sectors. The standard provides clear recommendations and guidance to ensure that actions and decisions taken at each stage of the planning process are informed by sufficient and appropriate ecological information. The BSI has produced a smart guide that provides an introduction to the benefits of BS 42020 [smart guide](#).

### European Protected Species

Please note that for European Protected Species a mitigation licence may be required – post planning permission - in order to carry out the development should permission be granted. It is important that you refer directly to Natural England the licensing body for further guidance, and submit any relevant correspondence with this checklist.

However, The Conservation of Habitats and Species Regulations 2010 requires the Local Planning Authority (LPA) to consider ‘Three Tests’ when determining a planning application that may affect a European Protected Species. These ‘tests’ can be summarised as follows:

- Is there a genuine need and ‘purpose’ for the proposed development?
- Are there any satisfactory alternatives to delivering and meeting the need in the way proposed?
- Will there be any adverse effect on the conservation status of the species concerned?

If there is a risk of European Protected Species being impacted by the development the applicant must submit sufficient evidence to enable these tests to be satisfactorily addressed by the LPA.

Further guidance is provided in the Natural England publication ‘[European Protected Species and the Planning Process](#)’.

European Protected Species are those animals listed under Schedule 2 or plants listed under Schedule 5 of the Conservation of Habitats and Species Regulations 2010. The term European Protected has **not** been used for ‘Nationally Protected Species’ with no protection under the Regulations, but which are listed under Schedule II and/or V of the European Habitats Directive. For example the native crayfish.

### Wild Birds

Reg 9A(8) of The Conservation of Habitats and Species Regulations 2010 states that “a competent authority in exercising any function in the UK must use all reasonable endeavours to avoid any pollution or deterioration of habitats of wild birds”. Applicants must demonstrate clearly how any such deterioration or pollution of wild bird habitat will be avoided by the proposed development.

### Environmental Impact Assessment (EIA)

Where a formal Environmental Impact Assessment (EIA) is required under the [EIA Regulations](#) the Biodiversity Statement & Mitigation Plan should be incorporated in to the Ecology chapter of the Environmental Statement subject to any Scoping Opinion issued by the Planning Authority.

### Biodiversity Offsetting

The Biodiversity Offsetting Metric provides a standardised and transparent approach to ensuring mitigation and compensation measures are sufficient to secure no-net-loss of biodiversity. The metric is a stand-alone tool – its use does **not** assume a need for off-site compensation. Indeed, it can be used to quantify the positive benefits of onsite mitigation or enhancement measures.

### Natural England Discretionary Advice Service.

Natural England has a Discretionary Advice Service (DAS) which operates to provide advice for applications prior to submission. This service includes a limited amount of free Initial Advice, followed by Charged Advice for more complex requests. It is strongly recommended that you contact them to discuss the advice you require prior to submitting your application.

Further details are available on their [website](#).

Please go to [Step 6](#).



# Step 6.

## Final Checklist and Declaration

This must be submitted along with every application to ECC, if the checklist is not completed correctly the application may not be valid.

Applicant Only			Office Only	
Step	Item	Tick if Included	Required	Included
Step 1	Preliminary Ecological Appraisal*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Biological Records Search *	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step 2	Table 2.1 Sites & Habitats checklist	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Table 2.2 Sites & Habitats evaluation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step 3	Table 3.1 Species checklist	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Table 3.2 Species evaluation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Step 5	Biodiversity Statement & Mitigation Plan **	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Correspondence from Natural England/Environment Agency/ Other Conservation Body	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

\*Should be incorporated in to the Biodiversity Statement & Mitigation Plan where one is required.

\*\*Must be incorporated in to the Ecology chapter of an ES if an EIA is required.

Signed: [REDACTED] Date: 24/07/23  
 Applicant/Agent (please delete as appropriate)

Name: Stansted Airport Limited

Address: Bassingbourn Road, Stansted CM24 1QW

**Please note that in all circumstances legislation pertaining to protected species still applies and it is the responsibility of the developer to ensure that protected species and sites are not adversely affected as a result of development.**

Thank you for completing this checklist. Please submit it, along with all supporting information, with your application.

# Appendix 1 – Guidelines for Surveys

Links to Natural England’s Standing Advice for Protected Species (Survey Requirements):

- [What should detailed survey reports for protected species include?](#)
- [Great Crested Newt](#)
- [Badger](#)
- [Bats](#)
- [Barn Owl](#)
- [Birds](#)
- [Dormouse](#)
- [Invertebrates](#)

Due to the recognised value of invertebrate assemblages associated with brownfield sites in Essex, Natural England have produced specific local Standard Advice which is available [here](#).

- [Native crayfish](#)
- [Otter](#)
- [Reptiles](#)
- [Water Vole](#)
- [Plants](#)

## Other Guidance:

Natural England has produced [Standing Advice for Ancient Woodland and Veteran Trees](#) and this should be referred to in the preparation of the Biodiversity Statement where Ancient Woodland and/or Veteran Trees are likely to be affected.

The Chartered Institute of Ecology and Environmental Management ‘[Sources of Survey Methods](#)’ (SoSM) should be referred to for survey methodologies for Priority Species not covered by Natural England’s Standing Advice.

## Appendix 2 – Biodiversity features that must be shown on an Ordnance Survey base map at an appropriate scale

- Special Protection Area (SPA)
- Special Area of Conservation (SAC)
- Ramsar Site
- Site of Special Scientific Interest (SSSI)
- National Nature Reserve (NNR)
- Ancient Woodland
- Local Wildlife Site (LoWS)
- Special Roadside Verge

# Glossary

**Ancient or veteran tree:** A tree which, because of its great age, size or condition is of exceptional value for wildlife, in the landscape, or culturally.

**Ancient woodland:** An area that has been wooded continuously since at least 1600 AD.

**Biodiversity Action Plan (BAP):** Biodiversity Action Plans (BAPs) arose from the signing of the Convention on Biological Diversity in 1992, an international treaty signed by 150 nations including the UK, pledging to conserve biodiversity. BAPS are broken down into Species Action Plans (SAPs) and Habitat Action Plans (HAPs) and cover species and habitats considered threatened. These are known as ‘Priority’ species and habitats. Each Plan contains a definition of the habitat or species, describes the threats they face and the objectives and targets need to be met to conserve them. BAPS currently cover 1149 Priority species and 65 Priority habitats.

**Ecological networks:** These link sites of biodiversity importance.

**Environmental Impact Assessment (EIA):** A procedure to be followed for certain types of project to ensure that decisions are made in full knowledge of any likely significant effects on the environment.

**European Protected Site:** This includes candidate Special Areas of Conservation, Sites of Community Importance, Special Areas of Conservation and potential Special Protection Areas, and is defined in regulation 8 of the Conservation of Habitats and Species Regulations 2010.

**International, national and locally designated sites of importance for biodiversity:** All international sites (Special Areas of Conservation, Special Protection Areas, and Ramsar sites), national sites (Sites of Special Scientific Interest) and locally designated sites including Local Wildlife Sites.

**Living Landscapes:** Living Landscapes are large landscape-scale areas of the countryside, such as river valleys, estuaries, forested ridges, and grass and heath mosaics, which form ecological networks. The networks allow wildlife to move through them and increase their resilience to threats such as climate change, floods, drought, sea-level rise and development pressure. There are 80 Living Landscapes within Essex.

**Local planning authority:** The public authority whose duty it is to carry out specific planning functions for a particular area. All references to local planning authority apply to the district council, borough council and county council to the extent appropriate to their responsibilities.

**Nature Improvement Area:** Inter-connected network of wildlife habitats intended to re-establish thriving wildlife populations and help species respond to the challenges of climate change.

**NPPF:** National Planning Policy Framework. This document sets out the government’s planning policies for England and how they are expected to be applied. It provides guidance for local planning authorities and decision-takers, both in drawing up plans and making decisions about planning applications.

**Previously developed land:** Land which is or was occupied by a permanent structure, including the curtilage of the developed land (although it should not be assumed that the whole of the curtilage should be developed) and any associated fixed surface infrastructure. This excludes: land that is or has been occupied by agricultural or forestry buildings; land that has been developed for minerals extraction or waste disposal by landfill purposes where provision for restoration has been made through development control procedures; land in built-up areas such as private residential gardens, parks, recreation grounds and allotments; and land that was previously-developed but where the remains of the permanent structure or fixed surface structure have blended into the landscape in the process of time.

**Priority habitats and species:** Species and Habitats of Principal Importance included in the England Biodiversity List published by the Secretary of State under section 41 of the Natural Environment and Rural Communities Act 2006.

**Qualifying species:** Those plants or animals found on the legal list of qualifying species for which a Special Area of Conservation, Special Protection Area or Ramsar site has been selected and is managed.

**Ramsar sites:** Wetlands of international importance, designated under the 1971 Ramsar Convention.

**Special Areas of Conservation:** Areas given special protection under the European Union's Habitats Directive, which is transposed into UK law by the Habitats and Conservation of Species Regulations 2010.

**Special Protection Areas:** Areas which have been identified as being of international importance for the breeding, feeding, wintering or the migration of rare and vulnerable species of birds found within European Union countries. They are European designated sites, classified under the Birds Directive.

**Site of Special Scientific Interest:** Sites designated by Natural England under the Wildlife and Countryside Act 1981.

**Stepping stones:** Pockets of habitat that, while not necessarily connected, facilitate the movement of species across otherwise inhospitable landscapes.

**Wildlife corridor:** Areas of habitat connecting wildlife populations.

This information is issued by

**Essex County Council, Place Services.**

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By telephone:

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