KJ Ecology Ltd

Preliminary Ecological Appraisal for land behind Elder House, Anderby Road, Chapel St Leonards.

March 2022



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Executive Summary

Marc Lovell is applying to erect 40 log cabins behind Elder House, Anderby Road, Chapel St Leonards. To comply with planning procedures Marc Lovell commissioned Kevin Johnson of KJ Ecology Ltd to carry out a Preliminary Ecological Appraisal on the 25th February 2022.

The proposed development site is on the North side of Chapel St Leonards and just North of Eastfields Park (Grid Ref TF 5582 7375).

The proposed development site has an entrance off Anderby Road with a stone track, wooden panel fence to the North and a poor Leyland Cypress (x Cupressocyparis leylandii) hedge and dry ditch to the South. The main part of the site is a grassfield with the occasional Bramble (Rubus fruticosus agg.) patch. The South Boundary is a mature Hawthorn (Crataegus monogyna) hedge with a dry ditch and the North boundary is a newly planted Hawthorn hedge next to a ditch. The East and West boundaries are wire fences with the West boundary being next to a ditch. There are old stable blocks in the North-east corner of the site with a collapsed cesspit.

The immediate vicinity consists of arable fields, grassfields, ditches, hedges with trees, buildings and a caravan park.

On the 16th March 2022 the following methodologies were carried out on for the proposed works on a field behind Elder House, Anderby Road, Chapel St Leonards:

- 1. Desk top study To establish what protected habitats and species are within the area of Elder House, Anderby Road, Chapel St Leonards;
- 2. Preliminary Ecological Appraisal Used to identify the likelihood of any protected species been found on the site, identify any features, habitats or species which would constitute potential constraints to any development which might take place, and to make recommendations for mitigation and/or further survey work, as appropriate. This survey included a nesting bird survey and a Badger (Meles meles) survey.

The surveys found that:

- 1. The desk top study revealed that there are three statutory sites within 2kms of the proposed development including Chapel Point to Wolla Bank SSSI along with several non-statutory sites such as Chapel Pit Nature Reserve LWS, LWT which is also a Priority Habitat for Ponds and Reedbeds. There are numerous protected species recorded within 2kms of the site including Barn Owl (Tyto alba). The Birds of Conservation Concern 5 (2021) Red Data list for the area includes species such as Fieldfare (Turdus pilaris). There are no protected plant recorded within the area but there are two priority species for example Shepherd's-needle (Scandix pectenveneris);
- 2. The Preliminary Ecological Appraisal found signs of protected species on site including Badger (latrines, snuffle holes, footprints and trails) and a pair of Barn Owls in one of the old stables in the North-east end of the site. There was also a Swallow's (Hirundo rustica) nest in the old stable block. To the East of the stable block is a pile of corrugated asbestos/ cement sheeting which needs disposing of properly.

From these survey results, KJ Ecology Ltd has no objections to the proposed creation of 40 log cabins behind Elder House, Anderby Road, Chapel St Leonards, as long as the following recommendations are followed:

1. A pair of Barn Owls are using an old stable which is to be demolished. This means that no works can commence between March and 31st August or until an ecologist has confirmed that the Barn owls are not nesting. As the Barn Owls will be disturbed by the build along with the destruction of the stable that they are using, then suitable Barn Owl boxes (at least four) need to be placed around the area, so that the Barn Owls are not disturbed by the development. These have to be confirmed with the ecologist and in place at least 30 days before the stable can be demolished. If possible, parts of Elder House could be used for the Barn Owls, depending upon the

- plans for Elder House. This is because Barn Owls are protected under Schedule 1 of the Wildlife and Countryside Act 1981 (as amended);
- 2. As Badgers utilise the site for foraging etc, but there are no setts within 30m of the site, then good working practices should be adhered to during any future development work, with any trenches covered overnight and any pipes over 200mm in diameter capped off at night. This is because all Badgers and their setts are fully protected in the UK by the Protection of Badgers Act, 1992 and by Schedule 6 of the Wildlife and Countryside Act, 1981 (as amended);
- 3. There is potential for nesting birds within the boundaries and old stable block, so if works commence in the bird nesting season (March to August) then a nesting bird survey will be required first as all nesting birds are protected under the Wildlife and Countryside Act 1981 (as amended);
- 4. The corrugated cement/ asbestos sheeting needs disposing of properly using a registered asbestos clearing company;
- 5. Once the works have been completed, an area should be sown with a wildflower meadow mix and cut in late August. This will benefit wildlife from insects to birds. Other planting should include RHS Bee friendly plants.

Main Report

1 Introduction

1.1 Terms of Instruction

Marc Lovell is applying to erect 40 log cabins behind Elder House, Anderby Road, Chapel St Leonards. To comply with planning procedures Marc Lovell commissioned Kevin Johnson of KJ Ecology Ltd to carry out a Preliminary Ecological Appraisal on the 25th February 2022.

The purpose of the Preliminary Ecological Appraisal is to identify the likelihood of any protected species been found on the site, identify any features, habitats or species which would constitute potential constraints to any development which might take place, and to make recommendations for mitigation and/or further survey work, as appropriate. This survey included a nesting bird survey and a Badger (Meles meles) survey.

1.2 Site Location

The proposed development site is on the North side of Chapel St Leonards and just North of Eastfields Park (Grid Ref TF 5582 7375), as shown in Map 1 (Appendix 1).

1.3 Site Description

The proposed development site has an entrance off Anderby Road with a stone track, wooden panel fence to the North and a poor Leyland Cypress (x Cupressocyparis leylandii) hedge and dry ditch to the South (Photos 1 and 2, Appendix 2). The main part of the site is a grassfield with the occasional Bramble (Rubus fruticosus agg.) patch (Photo 3, Appendix 2). The South Boundary is a mature Hawthorn (Crataegus monogyna) hedge (Photo 4, Appendix 2) with a dry ditch and the North boundary is a newly planted Hawthorn hedge next to a ditch (Photos 5 and 6, Appendix 2). The East and West boundaries are wire fences with the West boundary being next to a ditch (Photo 7, Appendix 2). There are old stable blocks in the Northeast corner of the site with a collapsed cesspit (Photo 8, Appendix 2).

The immediate vicinity consists of arable fields, grassfields, ditches, hedges with trees, buildings and a caravan park.

1.4 Proposed Development

It is proposed to create 40 log cabins on a field behind Elder House, Anderby Road, Chapel St Leonards, as per planning application.

1.5 Report Limitations

This report is for the sole use of the client and its' reproduction or use by anyone else is forbidden unless written consent is given by the author.

The ecological data in this report is only valid for 18 months from the survey date of 16th March 2022, as wildlife, especially Protected Species move about and natural conditions can change over time.

1.6 Background to KJ Ecology Ltd

On the 25th February 2022 KJ Ecology Ltd was appointed to carry out a Preliminary Ecological Appraisal (comprising of a nesting bird survey and a Badger Survey) on land behind Elder House, Anderby Road, Chapel St Leonards and its surroundings. KJ Ecology Ltd is an independent Ecological Consultancy run by Kevin Johnson BSc Pgd PGCE MCIEEM (Member of the Charted Institute of Ecology and Environmental Management) and has several years of experience in environmental consultancy work. This work has ranged from working on the rail, roads, airports, house building projects, barn conversions and pipeline work. Kevin Johnson was initially an Ecology and Environmental Lecturer at various colleges and taught students how to carryout surveys and about the environment. Kevin Johnson then went on to work for a number of ecological consultancies such as Penny Anderson Associates, which is one of the original environmental consultancy companies and is well respected.

2 Methodology

2.1 Desk top study

The purpose of a desk study is to identify any statutory and non-statutory sites of nature conservation importance (such as Special Areas of Conservation (SACs), Sites of Special Scientific Interest (SSSIs) and County Wildlife Sites (CWSs)) and Protected Species within reasonable distance of the site.

The sources of information used in the desk top study included: Lincolnshire Environmental Records Centre; Multi-Agency Geographic Information for the Countryside (MAGIC).

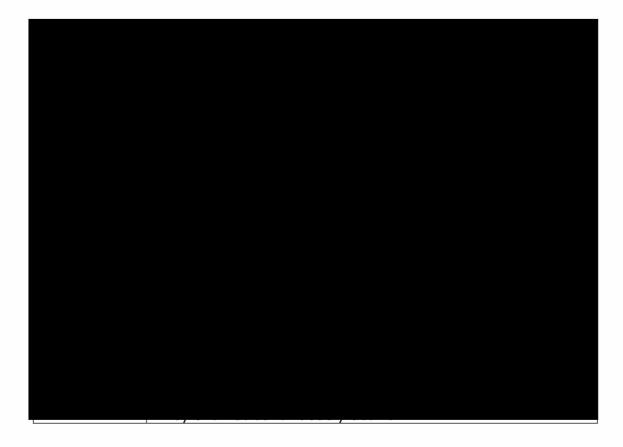
2.2 Preliminary Ecological Appraisal

A Preliminary Ecological Appraisal was carried out to Joint Nature Conservation Committee (JNCC) and Chartered Institute of Ecology and Environmental Management (CIEEM) guidelines on the 16th March 2022 by Kevin Johnson of KJ Ecology Ltd who has numerous years' experience in carrying out Preliminary Ecological Appraisals. The area was surveyed for wildlife by walking the perimeter of the site, then the area imbetween was walked in a zig-zag fashion as much as possible, so that as much wildlife information could be recorded about the site. The outside and inside of the all the buildings were fully examined for any signs of wildlife that may be utilising them. The immediate area around site was also surveyed for signs of wildlife and how they may influence the proposed

development. Three hours was spent on the site and surrounding area looking for signs of wildlife and any species seen were recorded using the DAFOR scale. The DAFOR scale is a way of quantifying the abundance of species on the site as a percentage of the area. All fauna were given a Rare recording unless there were a lot of them. The DAFOR scale used was:

Dominant	Most common species within the survey area >75%
Abundant	Really very common in the survey area.
Frequent	Found the species in several places in the survey area and there was usually more than just a few individuals in each of these places. Also if a species was very common in that part, with many individuals and covered a substantial area.
Occasional	Species that occur in several places in the survey area, but whose populations are usually not very big. Can be used if very common in one small area of habitat within the survey area, but occupies just a small area.
Rare	Species that occur as a small number of individuals in the survey area. This small number of individuals may be located in one place, or scattered over several different locations.

The survey included a nesting bird survey which involved looking out for signs of nests and other indications were also used such as families (adult birds with accompanying juveniles), juvenile birds, adults carrying food, adults carrying nesting material, and piles of droppings/ food remains.



2.3 Survey Constraints

There were no survey constraints when the Preliminary Ecological Appraisal survey was carried out on the 16th March 2022. The weather was cool (11-13C) with 70% cloud cover and a Gentle South-easterly breeze.

3 Survey Results

3.1 Desk top study

The desk top study revealed the following results:

3.1.1 Habitats

The desk top study revealed that there are three statutory sites within 2kms of the proposed development including Chapel Point to Wolla Bank SSSI and Greater Wash SPA. There are several non-statutory sites within the area such as Chapel Pit Nature Reserve LWS, LWT which is also a Priority Habitat for Ponds and Reedbeds as shown in Appendix 4.

The site is within a Nitrogen Vulnerable Zone for Surface and Ground Water. There are numerous habitats within the area which can support or provide opportunities for wildlife, including aquatic habitats, woodland, hedges, farmland, buildings and gardens.

3.1.2 Protected Species

There are numerous protected species recorded within 2kms of the planned development behind Elder House, Anderby Road, Chapel St Leonards, including Barn Owl (*Tyto alba*) as shown in Appendix 4. The Birds of Conservation Concern 5 (2021) Red Data list for the area includes species such as Fieldfare (*Turdus pilaris*). There are no protected plant recorded within the area but there are two priority species for example Shepherd's-needle (*Scandix pecten-veneris*).

Other species can utilise the site such as Song Thrush (*Turdus philomelos*) which are on the Birds of Conservation Concern Amber list. Other declining species have been recorded within the area and include the Hedgehog (*Erinaceus europaeus*).

3.2 Preliminary Ecological Appraisal

A Preliminary Ecological Appraisal was carried out on the 16th March 2022 by Kevin Johnson BSc Pgd PGCE MCIEEM, who has numerous years' experience in carrying out survey work. The species results of

the Preliminary Ecological Appraisal can be found in Appendix 3 and a Habitat Map of the site was produced (Map 2, Appendix 1).

The Preliminary Ecological Appraisal on the 16th March 2022 found numerous signs of wildlife on site from Roe Deer (Capreolus Capreolus), Muntjac Deer (Muntiacus reevesi) to Fox (Vulpes vulpes) trails and droppings. Protected species and signs of protected species were found on site during the survey. There were abundant signs of Badger across the site including latrines, snuffle holes, footprints and trails as shown in Map 2, Appendix 1 (Photos 9 to 11, Appendix 2). There was also a Badger trail leading under the static caravan and there was bedding under the central part of the caravan (Photo 12, Appendix 2). All the trails seem to lead across the road, where there was more Badger activity (Photos 13 and 14, Appendix 2) and possibly North-eastwards towards the copse.

There were a pair of Barn Owls in one of the old stables in the Northeast end of the site with copious pellets and splashings (Photo 15, Appendix 2). The old stable is clearly being used as a nesting site. There was also a Swallow's (Hirundo rustica) nest in the old stable block as well. It was also noted that Swallows were using the garage of Elder House as well.

To the East of the stable block is a pile of corrugated asbestos/ cement sheeting (Photo 16, Appendix 2) which needs disposing of properly.

4 Evaluation and Recommendations

4.1 Evaluation

From the Desktop Ecological Assessment the proposed development has three statutory sites within 2kms of the proposed development e.g. Sea Bank Clay Pits SSSI which also includes Chapel Pit Nature Reserve LWS, LWT and is also a Priority Habitat for Ponds, and Reedbeds. The proposed development will have no effect on these sites due to the type of development (construction of 40 log cabins and associated infrastructure) and the distance between the works and the wildlife sites.

The desktop study revealed plenty of Protected and Priority species within 2kms of the site such as Barn Owl. The Preliminary Ecological Appraisal found a pair of Barn Owls using an old stable which is to be demolished. Barn Owls are protected under Schedule 1 of the Wildlife and Countryside Act 1981 (as amended). This means that no works can commence between March and 31st August or until an ecologist has confirmed that the Barn owls are not nesting. As the Barn Owls will be disturbed by the build along with the destruction of the stable that they are using, then suitable Barn Owl boxes (at least four) need

to be placed around the area, so that the Barn Owls are not disturbed by the development. These have to be confirmed with the ecologist and in place at least 30 days before the stable can be demolished. If possible, parts of Elder House could be used for the Barn Owls, depending upon the plans for Elder House.



There is potential for nesting birds within the boundaries and Swallows are using the old stable block, so if works commence in the bird nesting season (March to August) then a nesting bird survey will be required first as all nesting birds are protected under the Wildlife and Countryside Act 1981 (as amended) – Section 5.1.4.

The corrugated cement/ asbestos sheeting needs disposing of properly using a registered asbestos clearing company.

4.2 Recommendations

KJ Ecology Ltd has no objections to the proposed creation of 40 log cabins behind Elder House, Anderby Road, Chapel St Leonards, as long as the following recommendations are followed:

1. A pair of Barn Owls are using an old stable which is to be demolished. This means that no works can commence between March and 31st August or until an ecologist has confirmed that the Barn owls are not nesting. As the Barn Owls will be disturbed by the build along with the destruction of the stable that they are using, then suitable Barn Owl boxes (at least four) need to be placed around the area, so that the Barn Owls are not disturbed by the development. These have to be confirmed with the ecologist and in place at least 30 days before the stable can be demolished. If possible, parts of Elder House could be used for the Barn Owls, depending upon the plans for Elder House. This is because Barn Owls are protected under Schedule 1 of the Wildlife and Countryside Act 1981 (as amended);

- 3. There is potential for nesting birds within the boundaries and old stable block, so if works commence in the bird nesting season (March to August) then a nesting bird survey will be required first as all nesting birds are protected under the Wildlife and Countryside Act 1981 (as amended);
- 4. The corrugated cement/ asbestos sheeting needs disposing of properly using a registered asbestos clearing company;
- 5. Once the works have been completed, an area should be sown with a wildflower meadow mix and cut in late August. This will benefit wildlife from insects to birds. Other planting should include RHS Bee friendly plants.

5 Legislation and Policy Guidance

In the 1960s and 1970s concerns were raised about the loss of wildlife habitats and species. This led to The Convention on the Conservation of European Wildlife and Natural Habitats 1979 (Berne Convention) which came into force in 1982. The aim of this Convention is to conserve wild flora and fauna and their natural habitats; Promote cooperation between countries in their conservation efforts and, give particular emphasis to endangered and vulnerable species including migratory species.

In the UK this Convention was implemented by the creation of the Wildlife and Countryside Act 1981 (as amended). This Act was further strengthened by the Countryside and Rights Of Way Act 2000.

The UK has signed up to the EEC Council Directive on the Conservation of Natural Habitats and of Wild Flora and Fauna 1992 (Habitats Directive). The aim of the Habitats Directive is to contribute towards ensuring bio-diversity by means of the conservation of natural habitats and of wild fauna and flora in the European territory of the Member States. The UK transposed the Habitats Directive into The Conservation (Natural Habitats, &c.) Regulations 1994. To consolidate all the various amendments made to this Act, The Conservation of Habitats and Species Regulations 2017 has been introduced.

The UK has also signed up to The Convention on the Conservation of Migratory species of Wild Animals 1979 (The Bonn Convention) which came into force in 1983 and so is therefore party to various agreements.

5.1 Protected Species

5.1.1 European Protected Species

Water Voles (Arvicola amphibius), Otters (Lutra lutra), Bats and Great Crested Newts (Triturus cristatus) are classed as European Protected Species. All European Protected Species are protected under Schedules 5 and 6 of the Wildlife and Countryside Act 1981 (as amended) and are also protected under Schedule 2 of the Conservation of Habitats and Species Regulations 2012. They are listed under Appendix III of the Bern Convention and Annex IV of the EC Habitats Directive. These species also have their habitats listed under Appendix II of The Bonn Convention and therefore the UK has an obligation to protect their habitat, including links to important feeding areas.

In relation to a development these laws and regulations make it illegal for a person to:

Intentionally or recklessly kill, injure or take a European Protected Species;

Intentionally or recklessly -

- Damage or destroy any structure or place which any European Protected Species uses for shelter or protection;
- Disturbs any such European Protected Species while it is occupying a structure or place which it uses for shelter or protection; or
- Obstructs access to any structure or place which any such European Protected Species uses for shelter or protection;
 Deliberately or recklessly disturbs wild animals of any species in such a way as to be likely significantly to affect:
- The ability of any significant group of animals to survive, breed, or rear or nurture their young; or
- o The local distribution or abundance of that species;

Possess or transport European Protected Species or any part of a them, unless acquired legally;

Sell (or offer for sale) or exchange European Protected Species, or parts of European Protected Species.

This legislation applies, regardless of the life stage (including eggs).

A European Protected Species Licence is required to carry out any activity that would otherwise involve committing an offence.

5.1.2 Amphibians

All amphibians are protected under Schedule 5 of the Wildlife and Countryside Act, 1981 (as amended). Under Section 9(4b and c) of the Wildlife and Countryside Act 1981 (as amended), it is an offence to:

- Disturb any GCN while it is occupying a structure or place which it uses for shelter or protection; or
- Obstructs access to any structure or place which a GCN uses for shelter or protection.

Under Section 9(5a and b) of the Wildlife and Countryside Act 1981 (as amended) it is an offence to :

- Possess or transport all Amphibians or any part of a them, unless acquired legally;
- Sell (or offer for sale) or exchange Amphibians, or parts of Amphibians.

GCN and Pool Frog (*Rana lessonae*) are also protected under Schedule 2 of The Conservation of Habitats and Species Regulations 2010. To avoid prosecution under these laws during development of the site, all precautions have to be taken to ensure that no intentional harm is done to these species and any disturbance or obstruction of access is done under licence.



5.1.4 Birds

All wild birds are protected under Part 1: 1(1) of the Wildlife and Countryside Act, 1981 which states that:

- 1 Protection of wild birds, their nests and eggs.
- (1) Subject to the provisions of this Part, if any person intentionally or recklessly —
- (a) kills, injures or takes any wild bird;
- (b) takes, damages, destroys or otherwise interferes with the nest of any wild bird while that nest is in use or being built; or
- (ba) at any other time takes, damages, destroys or otherwise interferes with any nest habitually used by any wild bird included in Schedule A1;
- (bb) obstructs or prevents any wild bird from using its nest;
- (c) takes or destroys an egg of any wild bird, they shall be guilty of an offence.

To avoid committing an offence no works should be carried out on a structure/ feature that is being used by nesting birds. Nesting is deemed to be over when the young have fully fledged.

Certain species which are listed in Schedule 1 of the Wildlife and Countryside Act receive special protection. In these cases any form of intentional or reckless disturbance when they are nesting or rearing dependant young, constitutes an offence.

5.1.5 Plants

Schedule 8 of the Wildlife and Countryside Act, 1981 (as amended) lists a range of rare plants that need protection such as Early Spider Orchid (Ophrys sphegodes) and wild plants exploited for commercial reasons for example English Bluebells. Section 13 of the Wildlife and Countryside Act, 1981 (as amended) states that it is illegal to:

- 1(a) Intentional picking, uprooting or destruction of plants on Schedule 8;
- 1(b) Unauthorised (by landowner) intentional uprooting of any wild plant not included in Schedule 8;
- 2(a) Selling, offering for sale, possessing or transporting for the purpose of sale, any plant (live or dead, part or derivative) on Schedule 8;
- 2(b) Advertising for buying or selling such things.

5.1.6 Reptiles

Common lizard (Zootoca vivipara), Slow worm (Anguis fragilis), Adder (Vipera berus) and grass snake are all protected under Schedule 5 of the Wildlife and Countryside Act, 1981 against intentional injuring, killing or selling. For development sites in England, Wales or Scotland, to avoid prosecution under the Wildlife and Countryside Act 1981 (as amended), wherever works will impact on slow worms, common lizards, adders and/or grass snakes there must be evidence that every reasonable effort was made to avoid breaking the law – including proof of adequate surveys and mitigation plans. Mitigation measures should, ideally, be agreed with Natural England.

Only the Sand Lizard (Lacerta agilis) and Smooth Snake (Coronella austriaca) are fully protected under the Wildlife and Countryside Act, 1981 (Section 9) and Regulation 9 of the Conservation of Habitats and Species Regulations 2010 against:

Killing, injuring or capture; Damaging or destroying a breeding or resting site; Intentionally obstructing access to a place used for shelter; Keeping, transporting or selling. This means that not only are the animals themselves protected but so are their habitats.

5.2 Invasive Non-natives

Section 14 of the Wildlife and Countryside Act 1981 (as amended) prevents Invasive Non-native animals and plants being released into the wild which may cause ecological, environmental, or socioeconomic harm. Section 14 states:

- (1) Subject to the provisions of this Part, if any person releases or allows to escape into the wild any animal which –
- (a) Is of a kind which is not ordinarily resident in and is not a regular visitor to Great Britain in a wild state; or
- (b) Is included in Part I of Schedule 9, he shall be guilty of an offence
- (2) Subject to the provisions of this Part, if any person plants or otherwise causes to grow in the wild any plant which is included in Part II of Schedule 9, he shall be guilty of an offence.

This includes plants such as Himalayan Balsam (Impatiens glandulifera) and Japanese Knotweed (Fallopia japonica). Japanese Knotweed is controlled by other Acts and Regulations including:

Environmental Protection Act 1990 - Waste containing Japanese Knotweed is classified as 'controlled waste'. As such, you must observe the appropriate duty of care for its proper handling and disposal as per Section 33 and 34. The movement of Japanese Knotweed is also covered by the Waste (England and Wales) Regulations 2011 and The Hazardous Waste Regulations 2005; Community Protection Notices can be issued to the owners of land with Japanese knotweed by the relevant local authority, by a person or body authorised by the local authority, or by a constable:

Anti-social Behaviour, Crime and Policing Act 2014 - Notice can be given requiring someone to control or prevent the growth of Japanese knotweed or other plants capable of causing serious problems to communities;

The Infrastructure Act 2015, contains powers to compel landowners to control or eradicate invasive non-native species and permits authorised persons to enter land to carry out species control operations at the landowner's expense.

5.3 National Planning Policy Framework

The National Planning Policy Framework (NPPF) was published on the 27th March 2012 and updated on the 24th July 2018 and further updated on the 19th February 2019. The NPPF sets out the Government's planning policies for England and how these should be applied. As this is an ecological report, the ecological side of the NPPF

will be dealt with here. One part of the NPPF is in achieving sustainable development (Chapter 2) and how to secure net gains through the implementation of plans and the application policies with applications in presumption on favour of sustainable development.

Paragraph 8 (iii) states - An environmental objective - to contribute to protecting and enhancing our natural, built and historic environment; including making effective use of land, helping to improve biodiversity, using natural resources prudently, minimising waste and pollution, and mitigating and adapting to climate change, including moving to a low carbon economy.

To achieve sustainability and Biodiversity Net Gain, planning policies should make effective use of land, and conserve, and enhance the Natural Environment. Effective use of land can be achieved by:

Supporting developments of underutilised land and buildings; Recognising the multiple benefits from both urban and rural land; Developments that would enable new habitat creation or improve public access to the countryside;

Recognise that some undeveloped land can perform many functions, such as for wildlife, recreation, flood risk mitigation, cooling/shading, carbon storage or food production.

To conserve and enhance the Natural Environment, leading to Biodiversity Net Gain, planning policies and decisions should contribute to and enhance the natural and local environment by:

Protecting and enhancing the intrinsic value and beauty of the countryside e.g. Areas of Outstanding Beauty and Nature Reserves (Local and National);

Minimising impacts on and providing net gains for biodiversity, including by establishing coherent ecological networks that are more resilient to current and future pressures. These include Wildlife Corridors, the Stepping Stones that connect them and areas identified by national, and local partnerships for habitat management, enhancement, restoration or creation;

Promote the conservation, restoration and enhancement of priority habitats, ecological networks and the protection and recovery of priority species; and identify and pursue opportunities for securing measurable net gains for biodiversity.

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Appendicies

Appendix 1

Maps

Map 1: Location Map of Elder House, Anderby Road, Chapel St Leonards.

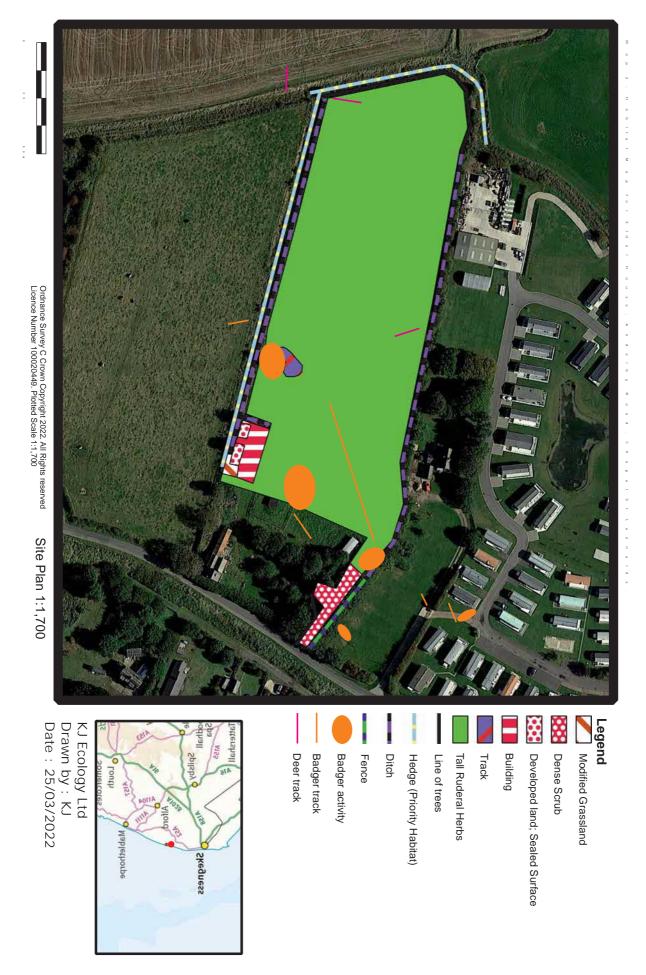




KJ Ecology Ltd Drawn by: KJ Date: 25/03/2022

Spilsby Alford Spilsby Alford Spaness

Tattershall

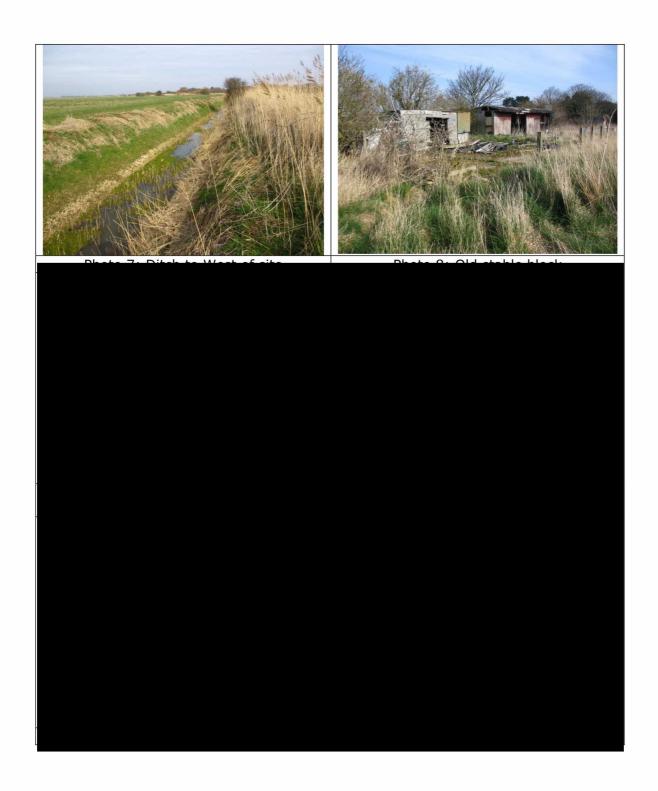


Appendix 2

Photos

Photos for Elder House, Chapel St Leonards.







Appendix 3

Preliminary Ecological Appraisal Results Survey Results for the land behind Elder House, Chapel St Leonards.

Common Name	Scientific Name	DAFOR
Trees		
Leyland Cypress	x Cupressocyparis leylandii	0
Ash	Fraxinus excelsior	0
Sycamore	Acer pseudoplatanus	0
Pedunculate Oak	Quercus robur	R
Crack Willow	Salix fragilis	R
Dutch Elm	Ulmus x hollandica	0
Shrubs		
Elder	Sambucus nigra	0
Garden Privet	Ligustrum ovalifolium	0
Hawthorn	Crataegus monogyna	F
Ivy	Hedra helix	0
Bramble	Rubus fruticosus agg.	0
Herbaceous plants		
Common Nettle	Urtica dioica	0
Cow Parsley	Anthriscus sylvestris	0
Ground Ivy	Glechoma hederacea	0
Common Mouse-ear	Cerastium holosteoides	0
Daffodil	Narcissus sp.	0
Snowdrop	Galanthus nivalis sp.	0
Hogweed	Heracleum sphondylium	0
Broad-leaved Dock	Rumex obtusifolius	0
Goosegrass	Gallium aparine	0
Creeping Thistle	Cirsium arvense	R
Spear Thistle	Cirsium vulgare	R
Cut-leaved Crane's-bill	Geranium dissectum	R
Black Knapweed	Centaurea nigra	R
Primrose	Primula vulgaris	R
Red Dead-nettle	Lamium purpureum	R
Foxglove	Digitalis purpurea	R
Daisy	Bellis perennis	R
Lady's Bedstraw		R
Common Vetch	Galium verum Vicia sativa	R
Common vecch	VICIA SALIVA	K
Crassa		
Grasses Annual Meadow Grass	Poa annua	0
Red Fescue	Festuca rubra	0
Cocksfoot		
False Oat Grass	Dactylic glomerata	Α Λ
Common Reed	Arrhenatherum elatius	A O
party and the second of the se	Phragmites australis	200
Velvet Bent Common Couch	Agrostis canina	0
CONTROL OF THE PROPERTY OF THE	Elymus repens	0
Common Bent	Agrostis capillaris	
Mammals		
wanimais		
Mole (signs)	Talpa aurana	5
Mole (signs)	Talpa europaea	R
Roe Deer (signs)	Capreolus Capreolus	R
Muntjac Deer	Muntiacus reevesi	R
Hare	Lepus europaeus	R
Fox (signs)	Vulpes vulpes	R

Birds		
Woodpigeon	Columba palumbus	R
Wren	Troglodytes troglodytes	R
Great Tit	Parus major	R
Chiffchaff	Phylloscopus collybita	R
Chaffinch	Fringilla coelebs	R
Blackbird	Turdus merula	R
Robin	Erithacus rubecula	R
Blue Tit	Cyanistes caeruleus	R
Magpie	Pica pica	R
Carrion Crow	Corvus corone	R
Skylark (in field to West)	Alauda arvensis	R
Goldfinch	Carduelis carduelis	R
Pheasant	Phasianus colchicus	R
Barn Owl (nesting pair)	Tyto alba	R
Barn Swallow (signs)	Hirundo rustica	R
Greylag Goose (pair)	Anser anser	R
Buzzard (pair)	Buteo buteo	R
Curlew (heard in distance)	Numenius arquata	R
Greenfinch	Carduelis chloris	R
Dunnock	Prunella modularis	R

Appendix 4

LERC Search Summary Report



LERC Search Sum mary Report

Grid Reference: TF 5582 7375

Burer: 2km

Date of publication: 23/03/2022

Expires: 23/03/2023

Achieving more for nature



Report Details



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This report summarises a search of statutory sites, non-statutory sites, other sites, habitats and species within the specified area; where no information is returned for a section, it is excluded from this summary report.

About the Lincolnshire Environmental Records Centre

The Lincolnshire Environmental Records Centre (LERC) collates wildlife and geological information for Greater Lincolnshire from various sources and makes it available for various uses. This data is crucial to aid conservation management of sites, to help organisations prioritise action, and to understand the distribution of species and trends over time. For more information on LERC or to request a data search, visit the website at https://glnp.org.uk/partnership/lerc/



Lincolnshire Environmental Records Centre is an ALERC accredited LRC, meeting the standard level criteria. For more information on acceditation, see the ALERC website at http://www.alerc.org.uk/alerc-accreditation.html

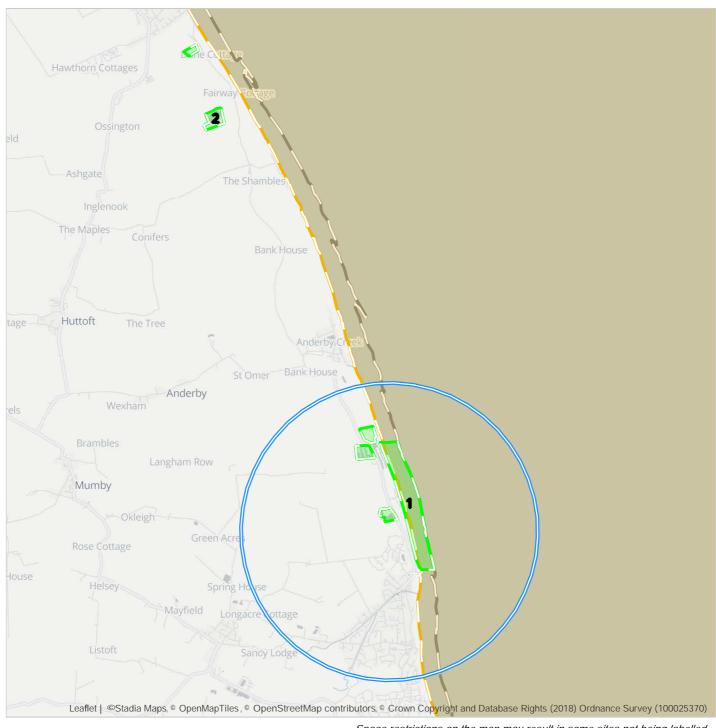
Statutory Sites

Statutory sites are those afforded legal protection aimed at preventing activities that may damage features of interest. Further information on these sites is available from Natural England (SSSIs, NNRs, LNRs, SPAs, SACs, Ramsars) and The National Association for Areas of Outstanding Natural Beauty (AONBs).

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Code	Designation	Status	Nam e
1	SSSI	Notified	Chapel Point to Wolla Bank
2	SSSI	Notified	Sea Bank Clay Pits
3	SPA	Classified	Greater Wash

Statutory Sites within the search area



Space restrictions on the map may result in some sites not being labelled.

Site of Special Scientific Interest

Special Protection Area

LERC boundary

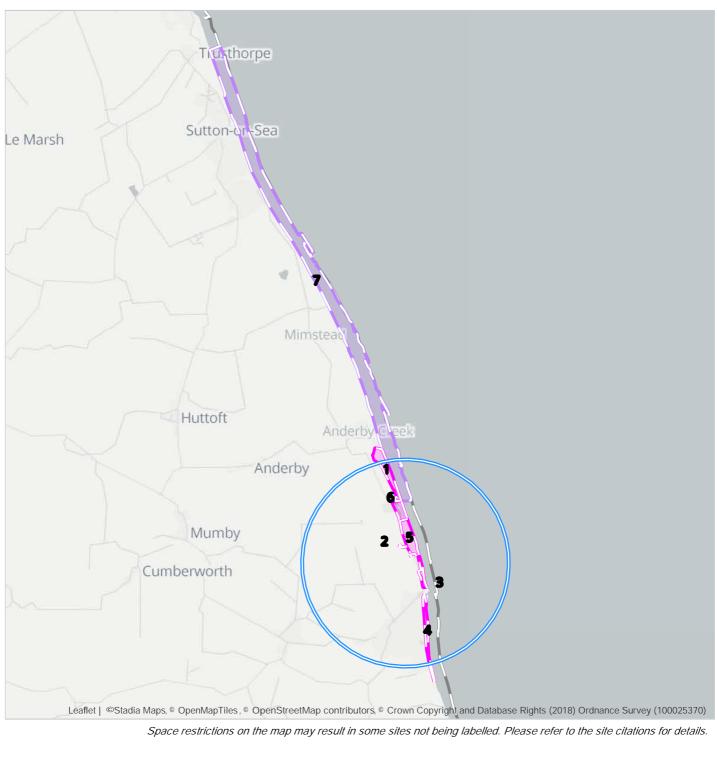
Non-statutory sites

The GLNP works directly with local authorities to coordinate the Local Sites system in Greater Lincolnshire. Sites are selected by the Nature Partnership, based on recommendations made by its expert working groups known as the LWS Panel and LGS Panel. The Register of Local Sites is then submitted for inclusion within local authority planning policy.

These sites are recognition of wildlife or geological value and are a testament to the land management that is already being undertaken on them. Identifying these sites helps local authorities meet their obligations under legislation and government guidance, including reporting on the number of sites in positive management for Single Data List Indicator 160-00.

Code	Designation	Status	Nam e
1	LWS	Selected	Anderby Creek Sand Dunes
2	LWS	Selected	Chapel Pit Nature Reserve (non-SSSI)
3	LWS	Selected	Chapel Point Dunes, North
4	LWS	Selected	Chapel Point Dunes, South
5	LWS	Selected	Chapel Six Marshes
6	LWS	Selected	Wolla Bank South
7	LGS	Selected	Lincolnshire Coast Submerged Forest

Non-statutory sites within the search area



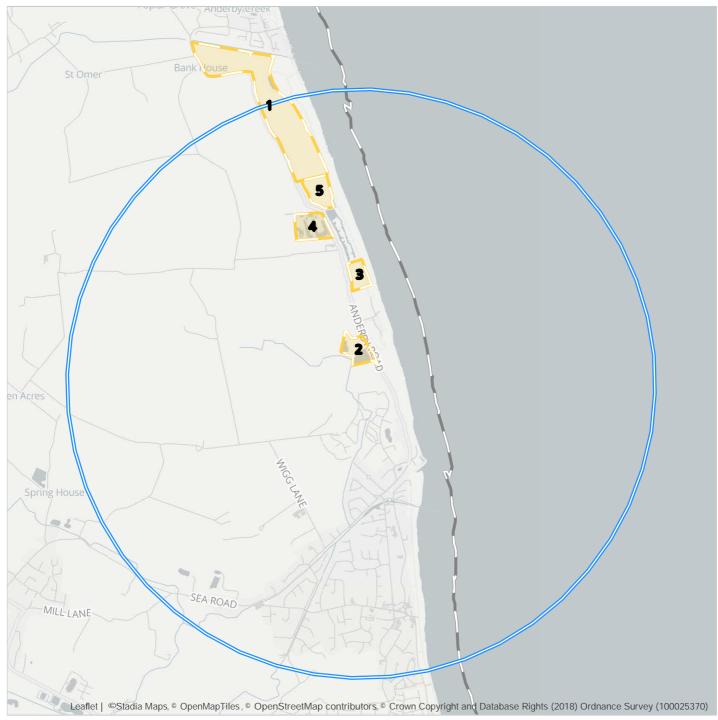


Other Sites

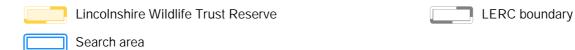
There are a number of other sites which can be important for the biodiversity they support and as par of the natural environments wider ecological network. For more information on these, please contact the relevant organisation.

Code	Designation	Status	Nam e
1	LWT	-	Anderby Marsh
2	LWT	-	Chapel Pit
3	LWT	-	Chapel Six Marshes
4	LWT	-	Wolla Bank Pit
5	LWT	-	Wolla Bank Reedbed

Other Sites within the search area



Space restrictions on the map may result in some sites not being labelled.



Habitats

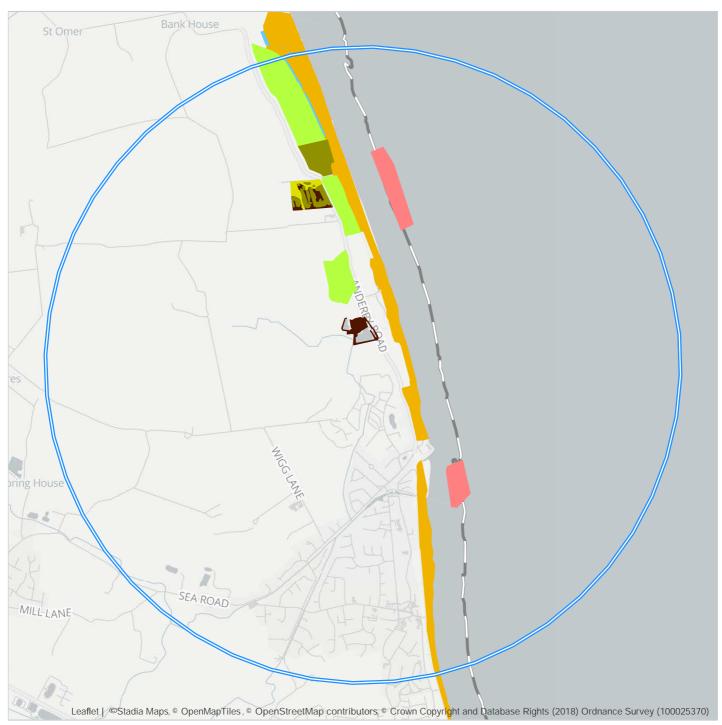
Priority habitats are those identified as being the most threatened and requiring conservation action ir the UK. The most-recent list of UK priority species and habitats was published in August 2007 following a 2-year review of the process and priorities, representing the most comprehensive analysis of such information ever undertaken in the UK.

The data presented is the most up-to-date of the data collated by the GLNP and mostly comes from surveys of Local Sites; further historic data and non-Priority habitat data may also be available. Absence of information doesn't mean that the Priority habitat isn't present merely that no information is held.

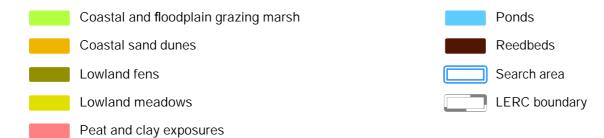
A number of different datasets have been consulted to produce this report - a summary of attribution statements is available at https://glnp.org.uk/images/uploads/services/lincolnshire-environmental-records-centre/habitat%20attribution.pdf.

Туре	Habitat	Survey Date	Area (ha)
Priority Habitat	Coastal and floodplain grazing marsh	2010 - 2014	18.55
Priority Habitat	Coastal sand dunes	2014	30.29
Priority Habitat	Lowland fens	2009 - 2011	4.93
Priority Habitat	Lowland meadows	2010	0.98
Priority Habitat	Peat and clay exposures	2010	7.85
Priority Habitat	Ponds	2014	1.33
Priority Habitat	Reedbeds	2010	2.42

Habitats within the search area



Space restrictions on the map may result in some sites not being labelled.



Species

Lincolnshire Environmental Records Centre holds records on the following species within or overlapping the search area. Data shown is as held by LERC; past records of presence of a species does not guarantee continued occurrence and absence of records does not imply absence of a species, merely that no records are held. Confidential data, zero abundance records, data at poorly defined geographic resolutions and data pending validation and/or verification are also excluded from this report. A number of different datasets have been consulted to produce this report - a summary of attribution statements is available at https://glnp.org.uk/images/uploads/services/lincolnshire-environmental-records-centre/species%20attribution.pdf

Amphibian (4 taxa)			
Common Frog, Rana temporaria	51	1977 - 2020	Protected
Common Toad, Bufo bufo	45	1976 - 2020	Protected, Priority
Great Crested Newt, Triturus cristatus	4	1976 - 2013	Protected, Priority, Local Priority
Smooth Newt, Lissotriton vulgaris	7	1976 - 2020	Protected, Local Priority
Bird (111 taxa)			
Anser fabalis fabalis, Anser fabalis fabalis	1	2016 - 2016	Non-native
Arctic Skua, Stercorarius parasiticus	65	2000 - 2020	Priority
Avocet, Recurvirostra avosetta	2	2019 - 2020	Protected
Balearic Shearwater, Punnus mauretanicus	3	2005 - 2016	Priority
Barn Owl, Tyto alba	26	2010 - 2020	Protected, Local Priority
Barnacle Goose, Branta leucopsis	9	2010 - 2020	Non-native
Bearded Tit, Panurus biarmicus	27	1990 - 2020	Protected
Bittern, Botaurus stellaris	9	2013 - 2019	Protected, Priority, Local Priority
Black Redstart, Phoenicurus ochruros	1	2012 - 2012	Protected
Black Tern, Chlidonias niger	11	1998 - 2020	Protected
Black-necked Grebe, Podiceps nigricollis	1	2020 - 2020	Protected
Black-tailed Godwit, Limosa limosa	11	2008 - 2020	Protected
Black-throated Diver, Gavia arctica	10	1998 - 2020	Protected, Priority
Black-winged Stilt, Himantopus himantopus	1	2016 - 2016	Protected
Brambling, Fringilla montifringilla	15	2002 - 2020	Protected
Brent Goose, Branta bernicla	26	2005 - 2020	Non-native
Bullfinch, Pyrrhula pyrrhula	9	2013 - 2020	Local Priority
Canada Goose, Branta canadensis	198	1986 - 2020	Non-native
Cattle Egret, Bubulcus ibis	2	2010 - 2017	Non-native
Cetti's Warbler, Cettia cetti	159	2011 - 2020	Protected
Collared Dove, Streptopelia decaocto	38	2009 - 2020	Non-native
Common Rosefinch, Carpodacus erythrinus	1	2020 - 2020	Protected
Common Scoter, Melanitta nigra	120	1998 - 2020	Protected, Priority

Corn Bunting, Emberiza calandra 1 2020 - 2020 Local Priority Crossbill, Loxia curvirostra 4 2011 - 2020 Protected Cuckoo, Cuculus canorus 101 1986 - 2020 Priority Curlew, Numenius arquata 247 2001 - 2020 Priority, Local Priority Dark-bellied Brent Goose, Branta bernicla bernicla 14 1998 - 2019 Priority, Non-native	
Cuckoo, Cuculus canorus1011986 - 2020PriorityCurlew, Numenius arquata2472001 - 2020Priority, Local Priority	
Curlew, <i>Numenius arquata</i> 247 2001 - 2020 Priority, Local Priority	
, and the second se	
Dark-hellied Brent Goose <i>Branta hernicla hernicla</i> 14 1998 - 2019 Priority Non-native	
Dark Domod Broth Goods, Brand Dormod	
Egyptian Goose, <i>Alopochen aegyptiaca</i> 1 2020 - 2020 Non-native	
European White-fronted Goose, <i>Anser albifrons albifrons</i> 2 2016 - 2016 Priority, Non-native	
Ferruginous Duck, <i>Aythya nyroca</i> 1 1980 - 1980 Non-native	
Fieldfare, <i>Turdus pilaris</i> 39 2011 - 2020 Protected	
Firecrest, Regulus ignicapilla 7 2002 - 2020 Protected	
Gadwall, <i>Mareca strepera</i> 158 2012 - 2020 Non-native	
Gadwall, <i>Anas strepera</i> 1 2016 - 2016 Non-native	
Glossy Ibis, <i>Plegadis falcinellus</i> 9 2013 - 2018 Non-native	
Goldeneye, <i>Bucephala clangula</i> 11 2006 - 2017 Protected	
Grasshopper Warbler, <i>Locustella naevia</i> 74 2000 - 2020 Priority	
Great Northern Diver, <i>Gavia immer</i> 9 2007 - 2019 Protected	
Green Sandpiper, <i>Tringa ochropus</i> 4 2013 - 2020 Protected	
Greenshank, <i>Tringa nebularia</i> 14 2004 - 2020 Protected	
Grey Partridge, <i>Perdix perdix</i> 3 2005 - 2013 Priority, Local Priority, No.	on-native
Greylag Goose, <i>Anser anser</i> 202 1986 - 2020 Protected	
Hawfinch, <i>Coccothraustes coccothraustes</i> 1 2019 - 2019 Priority	
Hen Harrier, <i>Circus cyaneus</i> 2 1978 - 2014 Protected	
Hobby, Falco subbuteo 7 2013 - 2020 Protected	
House Sparrow, <i>Passer domesticus</i> 37 1997 - 2020 Priority, Local Priority	
Kingfisher, <i>Alcedo atthis</i> 27 2012 - 2020 Protected	
Lapland Bunting, Calcarius Iapponicus 3 2019 - 2020 Protected	
Lapwing, Vanellus vanellus 177 2001 - 2020 Priority, Local Priority	
Leach's Petrel, <i>Oceanodroma leucorhoa</i> 8 1998 - 2013 Protected	
Lesser Redpoll, <i>Acanthis cabaret</i> 18 2008 - 2020 Priority	
Light-bellied Brent Goose, <i>Branta bernicla hrota</i> 3 2001 - 2010 Non-native	
Linnet, <i>Linaria cannabina</i> 243 2006 - 2020 Local Priority	
Little Gull, <i>Hydrocoloeus minutus</i> 22 2000 - 2020 Protected	
Little Owl, <i>Athene noctua</i> 13 2003 - 2020 Non-native	
Little Ringed Plover, <i>Charadrius dubius</i> 1 2019 - 2019 Protected	
Little Tern, Sternula albifrons 5 1998 - 2019 Protected	
Long-tailed Duck, Clangula hyemalis 4 2005 - 2010 Protected	
Mandarin Duck, <i>Aix galericulata</i> 1 2020 - 2020 Non-native	
Marsh Harrier, <i>Circus aeruginosus</i> 74 2000 - 2020 Protected	

Bird (111 taxa)			
Mediterranean Gull, Larus melanocephalus	2	2008 - 2008	Protected
Mediterranean Gull, Ichthyaetus melanocephalus	12	2013 - 2020	Protected
Merlin, Falco columbarius	12	2011 - 2020	Protected
Mute Swan, Cygnus olor	178	1986 - 2020	Non-native
Osprey, Pandion haliaetus	2	2008 - 2010	Protected
Peregrine, Falco peregrinus	7	2016 - 2020	Protected
Pheasant, Phasianus colchicus	179	2009 - 2020	Non-native
Pink-footed Goose, Anser brachyrhynchus	81	2001 - 2020	Non-native
Pintail, Anas acuta	18	1998 - 2020	Protected, Non-native
Pochard, Aythya ferina	11	1979 - 2020	Non-native
Purple Heron, <i>Ardea purpurea</i>	3	2000 - 2000	Protected
Purple Sandpiper, Calidris maritima	4	1998 - 2020	Protected
Red Kite, <i>Milvus milvus</i>	2	2013 - 2020	Protected
Red-backed Shrike, Lanius collurio	1	1998 - 1998	Protected, Priority
Red-breasted Goose, Branta ruficollis	1	2004 - 2004	Non-native
Red-flanked Bluetail, Tarsiger cyanurus	3	2008 - 2016	Non-native
Red-legged Partridge, Alectoris rufa	4	2008 - 2019	Non-native
Red-throated Diver, Gavia stellata	72	1989 - 2020	Protected
Redshank, Tringa totanus	64	1989 - 2020	Local Priority
Redwing, Turdus iliacus	55	1998 - 2020	Protected
Reed Bunting, Emberiza schoeniclus	451	1986 - 2020	Priority, Local Priority
Ring Ouzel, Turdus torquatus	5	2003 - 2020	Priority
Rock Dove, Columba livia	2	2016 - 2019	Non-native
Rose-coloured Starling, Pastor roseus	2	2001 - 2019	Non-native
Roseate Tern, Sterna dougallii	4	2007 - 2020	Protected, Priority
Ruddy Duck, Oxyura jamaicensis	5	2001 - 2012	Non-native
Ruff, Calidris pugnax	9	2008 - 2020	Protected
Scaup, Aythya marila	11	2004 - 2018	Protected, Priority
Skylark, <i>Alauda arvensis</i>	119	2000 - 2020	Local Priority
Slavonian Grebe, Podiceps auritus	1	2021 - 2021	Protected
Snipe, Gallinago gallinago	56	1998 - 2020	Local Priority
Snow Bunting, Plectrophenax nivalis	19	1989 - 2020	Protected
Snow Goose, Anser caerulescens	1	2007 - 2007	Non-native
Song Thrush, Turdus philomelos	60	2009 - 2020	Local Priority
Spoonbill, Platalea leucorodia	7	2014 - 2020	Protected
Spotted Flycatcher, Muscicapa striata	3	2001 - 2020	Priority
Starling, Sturnus vulgaris	318	1997 - 2020	Local Priority
Swift, Apus apus	116	1997 - 2020	Local Priority

Bird (111 taxa)			
Tree Pipit, Anthus trivialis	3	2019 - 2020	Priority
Tree Sparrow, Passer montanus	11	2004 - 2020	Priority, Local Priority
Turtle Dove, Streptopelia turtur	2	1998 - 2012	Priority, Local Priority
Velvet Scoter, Melanitta fusca	12	2002 - 2019	Protected
Whimbrel, Numenius phaeopus	54	2001 - 2020	Protected
White-fronted Goose, Anser albifrons	18	2011 - 2020	Non-native
Whooper Swan, Cygnus cygnus	17	2007 - 2020	Protected, Non-native
Wigeon, Mareca penelope	81	2011 - 2020	Non-native
Wigeon, Anas penelope	2	2008 - 2016	Non-native
Wood Sandpiper, <i>Tringa glareola</i>	3	2012 - 2020	Protected
Yellow Wagtail, <i>Motacilla flava</i>	40	2005 - 2020	Local Priority
Yellowhammer, Emberiza citrinella	37	2009 - 2020	Priority, Local Priority
Bony Fish (Actinopterygii) (1 taxa)			
European Eel, <i>Anguilla anguilla</i>	22	1992 - 2019	Priority, Local Priority
Conifer (5 taxa)			
Austrian Pine, <i>Pinus nigra</i>	3	2008 - 2011	Non-native
Lawson's Cypress, Chamaecyparis lawsoniana	4	1995 - 1995	Non-native
Leyland Cypress, <i>Cupressus macrocarpa x Xanthocyparis</i> nootkatensis = X Cuprocyparis leylandi	1	2012 - 2012	Non-native
Monkey-puzzle, Araucaria araucana	3	2008 - 2011	Non-native
Norway Spruce, <i>Picea abies</i>	1	2011 - 2011	Non-native
Crustacean (3 taxa)			
Crangonyx pseudogracilis/floridanus, Crangonyx pseudogracilis/floridanus sens. lat.	37	1987 - 2007	Non-native
Edible crab, Cancer pagurus	2	2019 - 2019	Local Priority
Gammarus tigrinus, Gammarus tigrinus	6	1980 - 2000	Non-native
Fern (1 taxa)			
Water Fern, Azolla filiculoides	5	1997 - 2006	Non-native
Flatworm (Turbellaria) (1 taxa)			
Planaria torva, <i>Planaria torva</i>	2	2006 - 2006	Non-native
	-		

Flowering Plant (132 taxa)			
Alsike Clover, <i>Trifolium hybridum</i>	1	2012 - 2012	Non-native
American Willowherb, Epilobium ciliatum	3	2008 - 2012	Non-native
Apple, <i>Malus pumila</i>	8	1995 - 2016	Non-native
Barren Brome, <i>Bromus sterilis</i>	13	1984 - 2016	Non-native
Beaked Hawk's-beard, <i>Crepis vesicaria</i>	2	2014 - 2016	Non-native
Black Currant, Ribes nigrum	2	1985 - 2014	Non-native
Black Horehound, <i>Ballota nigra</i>	2	2014 - 2014	Non-native
Black-bindweed, Fallopia convolvulus	2	2009 - 2012	Non-native
Black-grass, <i>Alopecurus myosuroides</i>	6	2009 - 2014	Non-native
Bluebell, <i>Hyacinthoides non-scripta x hispanica = H. x</i> massartiana	2	2010 - 2011	Non-native
Borage, <i>Borago oncinalis</i>	1	2009 - 2009	Non-native
Bread Wheat, <i>Triticum aestivum</i>	3	2009 - 2012	Non-native
Bristly Oxtongue, <i>Picris echioides</i>	37	1984 - 2016	Non-native
Broad Bean, <i>Vicia faba</i>	1	2009 - 2009	Non-native
Buffalo-bur, <i>Solanum rostratum</i>	1	2011 - 2011	Non-native
Bugloss, <i>Anchusa arvensis</i>	2	2010 - 2011	Non-native
Butterfly-bush, <i>Buddleja davidii</i>	7	1995 - 2016	Non-native
Canadian Fleabane, <i>Conyza canadensis</i>	6	2008 - 2016	Non-native
Canadian Goldenrod, Solidago canadensis	2	2014 - 2014	Non-native
Canadian Waterweed, <i>Elodea canadensis</i>	12	1986 - 2014	Non-native
Charlock, Sinapis arvensis	8	1985 - 2012	Non-native
Cherry Plum, <i>Prunus cerasifera</i>	3	1997 - 2011	Non-native
Chicory, <i>Cichorium intybus</i>	1	2014 - 2014	Non-native
Common Fiddleneck, Amsinckia micrantha	3	1998 - 2011	Non-native
Common Field-speedwell, <i>Veronica persica</i>	10	1984 - 2015	Non-native
Common Fumitory, <i>Fumaria oficinalis</i>	1	2009 - 2009	Non-native
Common Mallow, <i>Malva sylvestris</i>	15	1991 - 2016	Non-native
Common Poppy, <i>Papaver rhoeas</i>	8	1984 - 2014	Non-native
Common Vetch, <i>Vicia sativa subsp. segetalis</i>	3	2009 - 2012	Non-native
Cut-leaved Crane's-bill, Geranium dissectum	14	1984 - 2016	Non-native
Dense-flowered Mullein, Verbascum densiflorum	1	1998 - 1998	Non-native
Dotted Loosestrife, <i>Lysimachia punctata</i>	3	2009 - 2014	Non-native
Duke of Argyll's Teaplant, <i>Lycium barbarum</i>	7	1997 - 2015	Non-native
Dwarf Spurge, <i>Euphorbia exigua</i>	1	1984 - 1984	Non-native
Early Goldenrod, <i>Solidago gigantea</i>	1	2011 - 2011	Non-native
Eastern Rocket, Sisymbrium orientale	1	1984 - 1984	Non-native
Feverfew, <i>Tanacetum parthenium</i>	3	1999 - 2012	Non-native

Flowering Plant (132 taxa)			
Field Forget-me-not, Myosotis arvensis	7	1985 - 2014	Non-native
Field Pansy, Viola arvensis	1	2011 - 2011	Non-native
Field Penny-cress, <i>Thlaspi arvense</i>	2	2009 - 2010	Non-native
Fig-leaved Goosefoot, Chenopodium ficifolium	1	2009 - 2009	Non-native
Flowering Currant, Ribes sanguineum	2	2008 - 2016	Non-native
Fox-and-cubs, <i>Pilosella aurantiaca</i>	1	2012 - 2012	Non-native
Garden Asparagus, Asparagus oncinalis	2	2010 - 2010	Non-native
Garden Candytuft, Iberis umbellata	1	2008 - 2008	Non-native
Garden Lady's-mantle, Alchemilla mollis	1	2012 - 2012	Non-native
Garden Privet, Ligustrum ovalifolium	10	2008 - 2014	Non-native
Garden Tulip, <i>Tulipa gesneriana</i>	1	2011 - 2011	Non-native
Giant Hogweed, Heracleum mantegazzianum	1	1973 - 1973	Non-native
Golden Rain, Laburnum anagyroides	1	2011 - 2011	Non-native
Good-King-Henry, Chenopodium bonus-henricus	1	1985 - 1985	Non-native
Greater Periwinkle, Vinca major	8	2009 - 2016	Non-native
Green Alkanet, Pentaglottis sempervirens	4	2009 - 2016	Non-native
Ground-elder, Aegopodium podagraria	3	2011 - 2014	Non-native
Hedge Mustard, Sisymbrium officinale	23	1984 - 2016	Non-native
Hedgerow Crane's-bill, Geranium pyrenaicum	1	2012 - 2012	Non-native
Hemlock, Conium maculatum	20	1984 - 2014	Non-native
Hoary Cress, <i>Lepidium draba</i>	7	1998 - 2014	Non-native
Honesty, Lunaria annua	6	2009 - 2016	Non-native
Horse-chestnut, Aesculus hippocastanum	2	2011 - 2014	Non-native
Horse-radish, Armoracia rusticana	14	1984 - 2016	Non-native
Hybrid Black-poplar, <i>Populus nigra x deltoides = P. x canadensis</i>	3	2010 - 2014	Non-native
Hybrid Crack-willow, Salix euxina x alba = S. x fragilis	3	2004 - 2014	Non-native
Italian Rye-grass, Lolium multiflorum	4	2009 - 2012	Non-native
lvy-leaved Speedwell, Veronica hederifolia	1	2015 - 2015	Non-native
lvy-Leaved Speedwell, Veronica hederifolia subsp. hederifolia	1	2010 - 2010	Non-native
Japanese Cherry, Prunus serrulata	1	2011 - 2011	Non-native
Japanese Knotweed, Fallopia japonica	2	2009 - 2014	Non-native
Japanese Rose, Rosa rugosa	7	2009 - 2016	Non-native
Keeled-fruited Cornsalad, Valerianella carinata	1	2013 - 2013	Non-native
Large Bindweed, Calystegia silvatica	20	1985 - 2019	Non-native
Least Duckweed, Lemna minuta	4	2010 - 2014	Non-native
Lepidium draba subsp. draba, Lepidium draba subsp. draba	1	2012 - 2012	Non-native
Lesser Swine-cress, <i>Lepidium didymum</i>	5	1999 - 2011	Non-native

Flowering Plant (132 taxa)			
Long Smooth-headed Poppy, Papaver dubium	2	1984 - 2014	Non-native
Love-in-a-mist, <i>Nigella damascena</i>	1	2012 - 2012	Non-native
Montbretia, Crocosmia pottsii x aurea = C. x crocosmifilora	1	2012 - 2012	Non-native
Mugwort, Artemisia vulgaris	5	1984 - 2014	Non-native
Norway Maple, Acer platanoides	1	2011 - 2011	Non-native
Nuttall's Waterweed, Elodea nuttallii	5	1995 - 2012	Non-native
Oil-seed Rape, Brassica napus subsp. oleifera	4	2008 - 2012	Non-native
Opium Poppy, Papaver somniferum	3	1985 - 2009	Non-native
Osier, Salix viminalis	13	1990 - 2014	Non-native
Petty Spurge, Euphorbia peplus	3	2008 - 2012	Non-native
Pineappleweed, Matricaria discoidea	16	1984 - 2016	Non-native
Pink-sorrel, Oxalis articulata	3	2008 - 2015	Non-native
Potato, Solanum tuberosum	1	2008 - 2008	Non-native
Prickly Lettuce, Lactuca serriola	6	2008 - 2014	Non-native
Prickly Saltwort, Salsola kali subsp. kali	11	1984 - 2016	Priority
Purple Toadflax, Linaria purpurea	3	2011 - 2016	Non-native
Red Dead-nettle, Lamium purpureum	10	1984 - 2016	Non-native
Red Valerian, Centranthus ruber	7	1997 - 2014	Non-native
Reflexed Stonecrop, Sedum rupestre	2	2011 - 2012	Non-native
Ribbed Melilot, Melilotus oncinalis	3	1985 - 1990	Non-native
Russian Comfrey, <i>Symphytum oficinale x asperum = S. x uplandicum</i>	3	1988 - 2010	Non-native
Russian-vine, Fallopia baldschuanica	4	2009 - 2014	Non-native
Scented Mayweed, Matricaria chamomilla	6	1999 - 2014	Non-native
Scentless Mayweed, Tripleurospermum inodorum	11	1995 - 2016	Non-native
Shepherd's-needle, Scandix pecten-veneris	1	1974 - 1974	Priority, Non-native
Shepherd's-purse, Capsella bursa-pastoris	15	1984 - 2016	Non-native
Silver Ragwort, Senecio cineraria	1	2017 - 2017	Non-native
Slender Speedwell, Veronica filiformis	7	1999 - 2014	Non-native
Small Nettle, <i>Urtica urens</i>	3	1999 - 2011	Non-native
Snow-in-summer, Cerastium tomentosum	5	1984 - 2014	Non-native
Snowberry, Symphoricarpos albus	8	1984 - 2016	Non-native
Snowdrop, Galanthus nivalis	9	2010 - 2015	Non-native
Soapwort, Saponaria oncinalis	7	1997 - 2014	Non-native
Spear Mint, Mentha spicata	3	1995 - 2011	Non-native
Spotted Dead-nettle, Lamium maculatum	1	1984 - 1984	Non-native
Springbeauty, Claytonia perfoliata	8	1984 - 2014	Non-native
Sticky Groundsel, Senecio viscosus	3	2011 - 2014	Non-native

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Flowering Plant (132 taxa) Sun Spurge, Euphorbia helioscopia	1	2014 - 2014	Non-native
Sunflower, <i>Helianthus annuus</i>	1	2008 - 2008	Non-native
Sweet Chestnut, Castanea sativa	1	2009 - 2009	Non-native
Swine-cress, <i>Lepidium coronopus</i>	8	1984 - 2014	Non-native
Sycamore, Acer pseudoplatanus	25	1984 - 2016	Non-native
Tall Melilot, <i>Melilotus altissimus</i>	2	2009 - 2012	Non-native
Tamarisk, <i>Tamarix gallica</i>	2	2009 - 2011	Non-native
Teaplant, <i>Lycium</i>	2	2009 - 2009	Non-native
Two-rowed Barley, <i>Hordeum distichon</i>	1	2012 - 2012	Non-native
Vervain, <i>Verbena oficinalis</i>	1	1999 - 1999	Non-native
Wall Barley, <i>Hordeum murinum</i>	10	1984 - 2016	Non-native
Water Bent, <i>Polypogon viridis</i>	2	2008 - 2015	Non-native
Weld, <i>Reseda luteola</i>	11	1999 - 2014	Non-native
White Campion, <i>Silene latifolia</i>	10	1997 - 2014	Non-native
White Dead-nettle, <i>Lamium album</i>	18	1984 - 2016	Non-native
White Poplar, <i>Populus alba</i>	11	1999 - 2014	Non-native
White Stonecrop, <i>Sedum album</i>	7	1984 - 2016	Non-native
White Willow, <i>Salix alba</i>	11	2004 - 2014	Non-native
Wild Plum, <i>Prunus domestica</i>	5	2009 - 2014	Non-native
Wild-oat, <i>Avena fatua</i>	2	2009 - 2012	Non-native
Winter Heliotrope, <i>Petasites fragrans</i>	11	1997 - 2020	Non-native
Insect - Beetle (Coleoptera) (1 taxa)			
Harlequin Ladybird, <i>Harmonia axyridis</i>	5	2013 - 2020	Non-native
Insect - Butterfly (2 taxa)			
Small Heath, <i>Coenonympha pamphilus</i>	5	1998 - 2019	Priority
Wall, <i>Lasiommata megera</i>	61	1979 - 2016	Priority
Insect - Hymenopteran (1 taxa)			
Sea Aster Bee, <i>Colletes halophilus</i>	1	2020 - 2020	Priority

Insect - Moth (26 taxa)			
Blood-vein, <i>Timandra comae</i>	7	1999 - 2021	Priority
Buff Ermine, Spilosoma lutea	8	2006 - 2021	Priority
Cinnabar, <i>Tyria jacobaeae</i>	28	1996 - 2021	Priority
Crescent, <i>Helotropha leucostigma</i>	1	2020 - 2020	Priority
Dark-barred Twin-spot Carpet, <i>Xanthorhoe ferrugata</i>	2	1999 - 2005	Priority
Dot Moth, <i>Melanchra persicariae</i>	2	2006 - 2006	Priority
Double Dart, <i>Graphiphora augur</i>	4	1996 - 2006	Priority
Garden Tiger, <i>Arctia caja</i>	1	1997 - 1997	Priority
Ghost Moth, <i>Hepialus humuli</i>	1	2021 - 2021	Priority
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Grass Rivulet, <i>Perizoma albulata albulata</i>	1	1996 - 1996	Priority
Grey Dagger, Acronicta psi	3	1996 - 2006	Priority
Lackey, Malacosoma neustria	8	1996 - 2021	Priority
Large Nutmeg, Apamea anceps	1	2009 - 2009	Priority
Large Wainscot, <i>Rhizedra lutosa</i>	2	2002 - 2018	Priority
Latticed Heath, Chiasmia clathrata	17	1999 - 2021	Priority
Latticed Heath, Chiasmia clathrata clathrata	1	1996 - 1996	Priority
Light Brown Apple Moth, Epiphyas postvittana	1	2006 - 2006	Non-native
Mottled Rustic, Caradrina morpheus	12	1996 - 2021	Priority
Mouse Moth, Amphipyra tragopoginis	3	1999 - 2020	Priority
Rosy Minor, <i>Litoligia literosa</i>	3	1999 - 2009	Priority
Rustic, Hoplodrina blanda	2	1996 - 1997	Priority
Shaded Broad-bar, Scotopteryx chenopodiata	11	1997 - 2020	Priority
Shoulder-striped Wainscot, Leucania comma	1	2021 - 2021	Priority
Small Square-spot, <i>Diarsia rubi</i>	10	1999 - 2020	Priority
White Ermine, Spilosoma lubricipeda	6	2005 - 2020	Priority
White-line Dart, Euxoa tritici	4	1997 - 2020	Priority
Insect - True Fly (Diptera) (3 taxa)			
Pelomyia occidentalis, Pelomyia occidentalis	1	1997 - 1997	Non-native
Spotted-winged Drosophila, <i>Drosophila suzukii</i>	1	2018 - 2018	Non-native
Tephritis divisa, <i>Tephritis divisa</i>	1	2017 - 2017	Non-native
Marine Mammal (5 taxa)			
Common Porpoise, Phocoena phocoena	60	2008 - 2020	Protected, Priority
Fin Whale, Balaenoptera physalus	1	2019 - 2019	Protected, Priority
Grey Seal, Halichoerus grypus	30	2011 - 2020	Protected
Harbour Seal, <i>Phoca vitulina</i>	7	1998 - 2020	Protected, Priority, Local Priority
Hooded Seal, Cystophora cristata	1	2011 - 2011	Protected

Mollusc (10 taxa)			
American jack knife clam, Ensis leei	1	2019 - 2019	Non-native
American Piddock, Petricolaria pholadiformis	2	2019 - 2019	Non-native
American Slipper Limpet, Crepidula fornicata	2	2019 - 2019	Non-native
Bladder snails, <i>Physa</i>	2	2007 - 2007	Non-native
Common Garden Snail, Cornu aspersum	1	1997 - 1997	Non-native
Common Oyster, Ostrea edulis	1	2019 - 2019	Priority
Jenkins' Spire Snail, <i>Potamopyrgus antipodarum</i>	111	1974 - 2019	Non-native
Manila Clam, Ruditapes philippinarum	1	2019 - 2019	Non-native
Striped Snail, Cernuella (Cernuella) virgata	2	1974 - 1974	Non-native
Wrinkled Snail, Xeroplexa intersecta	2	1974 - 1974	Non-native
Reptile (3 taxa)			
Common Lizard, Zootoca vivipara	16	1976 - 2018	Protected, Priority
Grass Snake, Natrix helvetica	12	1976 - 2020	Protected, Priority
Slow-worm, Anguis fragilis	1	1976 - 1976	Protected, Priority
Terrestrial Mammal (11 taxa)			
Brown Hare, Lepus europaeus	77	1976 - 2020	Priority
Brown Rat, Rattus norvegicus	7	1977 - 2015	Non-native
Chinese Muntjac, <i>Muntiacus reevesi</i>	43	2008 - 2020	Non-native
Eastern Grey Squirrel, Sciurus carolinensis	7	2004 - 2020	Non-native
Eurasian Badger, <i>Meles meles</i>	119	1977 - 2020	Protected
Eurasian Otter, <i>Lutra lutra</i>	12	2011 - 2017	Protected, Priority
European Rabbit, <i>Oryctolagus cuniculus</i>	22	1977 - 2020	Non-native
European Water Vole, <i>Arvicola amphibius</i>	118	1976 - 2020	Protected, Priority, Local Priority
Harvest Mouse, <i>Micromys minutus</i>	1	1976 - 1976	Priority
House Mouse, <i>Mus musculus</i>	1	1977 - 1977	Non-native
West European Hedgehog, <i>Erinaceus europaeus</i>	9	1976 - 2014	Priority
Terrestrial Mammal (bat) (6 taxa)			
Bat, <i>Chiroptera</i>	18	1998 - 2018	Protected, Priority, Local Priority
Brown Long-eared Bat, <i>Plecotus auritus</i>	1	1998 - 1998	Protected, Priority, Local Priority
Common Pipistrelle, Pipistrellus pipistrellus sensu stricto	3	2007 - 2019	Protected, Local Priority
Myotis Bat species, <i>Myotis</i>	1	2003 - 2003	Protected, Priority, Local Priority
Pipistrelle, Pipistrellus pipistrellus sensu lato	1	2005 - 2005	Protected, Local Priority
Pipistrelle Bat species, Pipistrellus	4	2003 - 2012	Protected, Priority, Local Priority

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Achieving more for nature

