

species using the barn, the number of bats and the types of roost present. It is highly likely that a mitigation licence will then need to be sought from Natural England prior to any conversion work to Barn A, to remain legally compliant. Until a licence is granted, no works to the roof or internal repointing etc within Barn A should be undertaken, to avoid any breach of legislation.

A minimum of one evening emergence survey is required on Barn B during the active season for bats (May-September), to ascertain the presence/absence of roosting bats. If the presence of bats within Barn B is confirmed during this survey, then further work will be required.

Following the further survey work, advice can be provided to ensure legal compliance during the proposed works.

### **5.3 Birds**

#### **5.3.1 Legal protection**

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

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

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

#### **5.3.2 Recommendations for common bird species**

Any conversion works should commence outside of the active nesting season which typically runs from early March through to early September. If work starts during the bird breeding season, a search for nests should be carried out beforehand, and active nests should be protected until the young fledge.

### **5.4 Recommendations for ecological enhancement**

In addition to the legislation which is in place to safeguard protected species, there is also legislation and policy which imposes duties to undertake action to prevent loss of biodiversity and species/habitats of principle importance in the UK. In England and Wales, the Natural Environment and Rural Communities (NERC) Act 2006, imposes a duty on all public bodies (including Local Authorities and statutory bodies) to conserve biodiversity – including restoring

and enhancing a population or habitat. In addition, government planning policy guidance throughout the UK, provided in the latest National Planning Policy Framework (February 2019), states that '... local planning authorities should apply the following principles'; 'if significant harm to biodiversity resulting from a development cannot be avoided (through locating on an alternative site with less harmful impacts), adequately mitigated, or, as a last resort, compensated for, then planning permission should be refused'.

In order to try and secure biodiversity net gain on site and fulfil the Local Planning Authority's obligations under the NERC Act 2006, the following outline measures are recommended.

- Replacement nest sites for swallows must be considered prior to the conversion of Barn B, as these birds are very faithful to their nest sites. The simplest option is to allow them access into a suitable outbuilding or garage adjacent to the site (bearing in mind the number of droppings produced can be significant). If this is not possible, then a simple lean-to structure built onto an existing building on site will suffice. Nesting ledges should be provided within the lean-to, or nest cups can be installed, such as the No. 10 Schwegler swallow nest. These should be located at height to avoid the risk of predation by cats.
- 2 x integral or external sparrow terrace nest boxes must be installed within/on the new holiday lets for use by house sparrow *Passer domesticus*, which are declining in the UK. Nesting features should be installed on the northern or eastern elevations at eaves level. Details of nest boxes suitable for use by a range of common bird species can be obtained from [www.nhbs.co.uk](http://www.nhbs.co.uk) or [www.wildcareshop.co.uk](http://www.wildcareshop.co.uk).

## 6 SUMMARY

Two barns at Manor Farm, Little Carlton in Lincolnshire were surveyed in connection with proposals to convert the barns into holiday lets.

Further survey work is required between May and September in respect of bats, and a mitigation licence is likely to be required from Natural England before any works can be undertaken on Barn A.

Vigilance and best practise are required in respect of badgers and ground mammals, and appropriate timings in respect of nesting birds.

Ecological enhancements are recommended in order to ensure no net loss to biodiversity and

to try and secure a net gain of biodiversity on site. These are as follows:

- Provision of replacement swallow nest sites and installation of sparrow boxes

## 7 REFERENCES

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**PRELIMINARY ECOLOGICAL APPRAISAL  
BARNs AT MANOR FARM, LITTLE CARLTON, LINCOLNSHIRE**

**APPENDIX 1  
Data search results**



# LERC Search Summary Report

**Grid Reference: TF 40279 85371**  
**Buffer: 2km**


**Date of publication: 17/02/2021**  
**Expires: 17/02/2022**

*Achieving more for nature*



**GLNP**  
GREATER LINCOLNSHIRE  
NATURE PARTNERSHIP

## Report Details

Produced for	Celia Commowick, CGC Ecology
Search area	 <p>Leaflet   © Stadia Maps, © OpenMapTiles, © OpenStreetMap contributors, © Crown Copyright and Database Rights (2018) Ordnance Survey (100025370)</p>

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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 accreditation, see the ALERC website at <http://www.alerc.org.uk/alerc-accreditation.html>

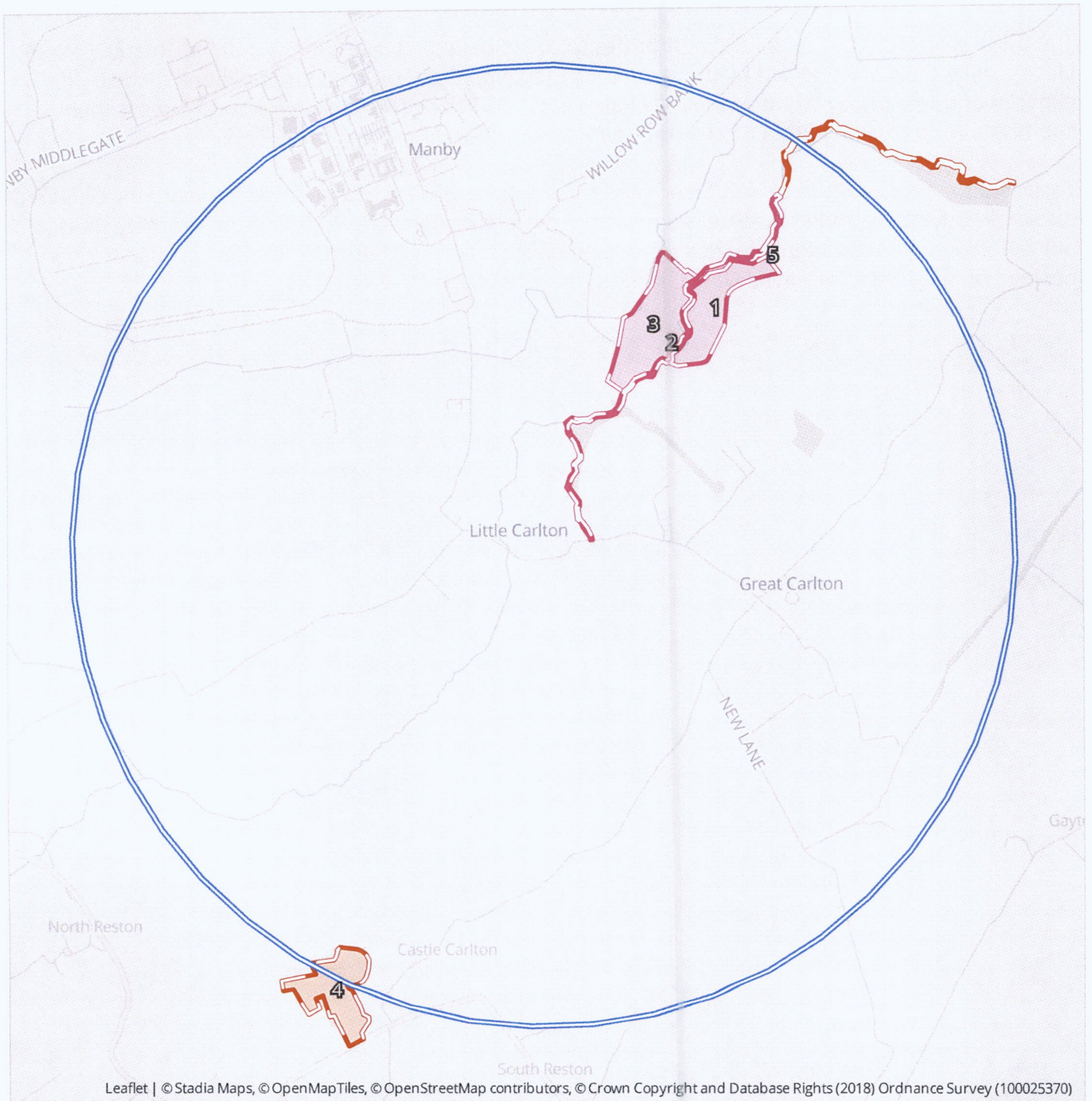
## Non-statutory sites

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	Name
1	LWS	Selected	Great Carlton Wetlands
2	LWS	Selected	Long Eau, West
3	LWS	Selected	Manby Wetlands
4	SNCI	Notified	Castle Wood
5	SNCI	Notified	Long Eau, West

## Non-statutory sites within the search area



Space restrictions on the map may result in some sites not being labelled. Please refer to the site citations for details.



Local Wildlife Site



Search area



Site of Nature Conservation Interest



## Habitats

Priority habitats are those identified as being the most threatened and requiring conservation action in 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/admin/resources/habitat-attribution.pdf>.

Type	Habitat	Survey Date	Area (ha)
Priority Habitat	Coastal and floodplain grazing marsh	2015	35.61
Priority Habitat	Lowland mixed deciduous woodland	2017	2.43

## Habitats within the search area



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

-  Coastal and floodplain grazing marsh
-  Lowland mixed deciduous woodland

 Search area

## 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/admin/resources/species-attribution.pdf>.

### Amphibian (3 taxa)

Common Frog, <i>Rana temporaria</i>	8	1977 - 2015	Protected
Common Toad, <i>Bufo bufo</i>	5	1977 - 1977	Protected, Priority
Great Crested Newt, <i>Triturus cristatus</i>	1	2007 - 2007	Protected, Priority, Local Priority

### Bird (43 taxa)

American Robin, <i>Turdus migratorius</i>	1	2003 - 2003	Non-native
Barn Owl, <i>Tyto alba</i>	9	2001 - 2009	Protected, Local Priority
Bewick's Swan, <i>Cygnus columbianus</i>	2	2014 - 2015	Protected
Bullfinch, <i>Pyrrhula pyrrhula</i>	2	1977 - 2014	Local Priority
Canada Goose, <i>Branta canadensis</i>	7	2009 - 2016	Non-native
Collared Dove, <i>Streptopelia decaocto</i>	7	2009 - 2009	Non-native
Curlew, <i>Numenius arquata</i>	1	2010 - 2010	Priority, Local Priority
Fieldfare, <i>Turdus pilaris</i>	4	2002 - 2010	Protected
Gadwall, <i>Anas strepera</i>	2	2009 - 2010	Non-native
Grasshopper Warbler, <i>Locustella naevia</i>	2	2008 - 2009	Priority
Green Sandpiper, <i>Tringa ochropus</i>	1	2002 - 2002	Protected
Greenshank, <i>Tringa nebularia</i>	1	2007 - 2007	Protected
Grey Partridge, <i>Perdix perdix</i>	5	2009 - 2010	Priority, Local Priority, Non-native
Greylag Goose, <i>Anser anser</i>	7	2009 - 2016	Protected
House Sparrow, <i>Passer domesticus</i>	19	1977 - 2018	Priority, Local Priority
Kingfisher, <i>Alcedo atthis</i>	1	2010 - 2010	Protected
Lapwing, <i>Vanellus vanellus</i>	16	2001 - 2011	Priority, Local Priority
Linnet, <i>Linaria cannabina</i>	3	1977 - 2016	Local Priority
Little Owl, <i>Athene noctua</i>	1	2013 - 2013	Non-native
Marsh Harrier, <i>Circus aeruginosus</i>	3	2008 - 2009	Protected
Merlin, <i>Falco columbarius</i>	1	2009 - 2009	Protected
Mute Swan, <i>Cygnus olor</i>	11	2007 - 2018	Non-native
Peregrine, <i>Falco peregrinus</i>	1	2009 - 2009	Protected
Pheasant, <i>Phasianus colchicus</i>	5	1977 - 2016	Non-native
Pink-footed Goose, <i>Anser brachyrhynchus</i>	5	2002 - 2014	Non-native
Pintail, <i>Anas acuta</i>	1	2010 - 2010	Protected, Non-native
Pochard, <i>Aythya ferina</i>	4	2010 - 2011	Non-native
Redshank, <i>Tringa totanus</i>	8	2009 - 2011	Local Priority

**Bird (43 taxa)**

Redwing, <i>Turdus iliacus</i>	1	2010 - 2010	Protected
Reed Bunting, <i>Emberiza schoeniclus</i>	2	1977 - 2018	Priority, Local Priority
Skylark, <i>Alauda arvensis</i>	1	2009 - 2009	Local Priority
Snipe, <i>Gallinago gallinago</i>	3	2009 - 2010	Local Priority
Song Thrush, <i>Turdus philomelos</i>	4	1977 - 2009	Local Priority
Starling, <i>Sturnus vulgaris</i>	18	1977 - 2015	Local Priority
Swift, <i>Apus apus</i>	1	2016 - 2016	Local Priority
Tree Sparrow, <i>Passer montanus</i>	6	1977 - 2010	Priority, Local Priority
Turtle Dove, <i>Streptopelia turtur</i>	9	1977 - 2010	Priority, Local Priority
White-fronted Goose, <i>Anser albifrons</i>	1	2017 - 2017	Non-native
White-tailed Eagle, <i>Haliaeetus albicilla</i>	1	2011 - 2011	Protected
Whooper Swan, <i>Cygnus cygnus</i>	4	2010 - 2017	Protected, Non-native
Wigeon, <i>Anas penelope</i>	10	2009 - 2016	Non-native
Wood Sandpiper, <i>Tringa glareola</i>	1	2007 - 2007	Protected
Yellow Wagtail, <i>Motacilla flava</i>	3	2009 - 2010	Local Priority

**Bony Fish (Actinopterygii) (5 taxa)**

Brown/Sea Trout, <i>Salmo trutta</i>	17	1986 - 2015	Priority
Common Carp, <i>Cyprinus carpio</i>	1	2007 - 2007	Non-native
Crucian Carp, <i>Carassius carassius</i>	4	1986 - 1986	Non-native
European Eel, <i>Anguilla anguilla</i>	118	1986 - 2015	Priority, Local Priority
Rainbow Trout, <i>Oncorhynchus mykiss</i>	9	1989 - 2013	Non-native

**Conifer (10 taxa)**

Atlas Cedar, <i>Cedrus atlantica</i>	2	2010 - 2011	Non-native
Cedar-of-Lebanon, <i>Cedrus libani</i>	1	2011 - 2011	Non-native
Corsican Pine, <i>Pinus nigra</i>	5	1995 - 2015	Non-native
Douglas Fir, <i>Pseudotsuga menziesii</i>	1	2011 - 2011	Non-native
European Larch, <i>Larix decidua</i>	3	1982 - 1995	Non-native
Lawson's Cypress, <i>Chamaecyparis lawsoniana</i>	3	2010 - 2011	Non-native
Leyland Cypress, <i>Cupressus macrocarpa</i> x <i>Xanthocyparis nootkatensis</i> = <i>X Cuprocyparis leylandi</i>	1	2013 - 2013	Non-native
Norway Spruce, <i>Picea abies</i>	2	1982 - 2011	Non-native
Sitka Spruce, <i>Picea sitchensis</i>	1	2011 - 2011	Non-native
Wellingtonia, <i>Sequoiadendron giganteum</i>	1	2007 - 2007	Non-native

**Crustacean (1 taxa)**

Crangonyx pseudogracilis, <i>Crangonyx pseudogracilis</i>	21	1989 - 2017	Non-native
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## Flowering Plant (129 taxa)

Alsike Clover, <i>Trifolium hybridum</i>	1	2013 - 2013	Non-native
American Willowherb, <i>Epilobium ciliatum</i>	3	1977 - 2017	Non-native
Apple, <i>Malus pumila</i>	6	1995 - 2015	Non-native
Balm, <i>Melissa officinalis</i>	1	2017 - 2017	Non-native
Barren Brome, <i>Bromus sterilis</i>	33	1994 - 2017	Non-native
Beaked Hawk's-beard, <i>Crepis vesicaria</i>	2	2010 - 2013	Non-native
Black-bindweed, <i>Fallopia convolvulus</i>	5	1997 - 2013	Non-native
Black-grass, <i>Alopecurus myosuroides</i>	13	1997 - 2017	Non-native
Bluebell, <i>Hyacinthoides non-scripta</i> x <i>hispanica</i> = <i>H. x massartiana</i>	5	2011 - 2013	Non-native
Bluebell, <i>Hyacinthoides non-scripta</i>	11	1977 - 2011	Protected
Bread Wheat, <i>Triticum aestivum</i>	1	2010 - 2010	Non-native
Bristly Oxtongue, <i>Picris echioides</i>	30	1995 - 2018	Non-native
Broad Bean, <i>Vicia faba</i>	1	2013 - 2013	Non-native
Butterfly-bush, <i>Buddleja davidii</i>	2	2011 - 2011	Non-native
Canadian Waterweed, <i>Elodea canadensis</i>	7	1995 - 1999	Non-native
Caper Spurge, <i>Euphorbia lathyris</i>	2	1995 - 2007	Non-native
Charlock, <i>Sinapis arvensis</i>	17	1995 - 2017	Non-native
Cherry Laurel, <i>Prunus laurocerasus</i>	4	2004 - 2011	Non-native
Common Field-speedwell, <i>Veronica persica</i>	19	1994 - 2017	Non-native
Common Mallow, <i>Malva sylvestris</i>	7	1994 - 2015	Non-native
Common Poppy, <i>Papaver rhoeas</i>	15	1994 - 2017	Non-native
Common Vetch, <i>Vicia sativa</i> subsp. <i>segetalis</i>	1	2017 - 2017	Non-native
Corn Marigold, <i>Glebionis segetum</i>	2	1997 - 1997	Non-native
Cornflower, <i>Centaurea cyanus</i>	2	1977 - 1977	Priority, Non-native
Cornus sanguinea subsp. <i>australis</i> , <i>Cornus sanguinea</i> subsp. <i>australis</i>	1	2010 - 2010	Non-native
Cut-leaved Crane's-bill, <i>Geranium dissectum</i>	19	1995 - 2017	Non-native
Cut-leaved Dead-nettle, <i>Lamium hybridum</i>	1	2017 - 2017	Non-native
Dame's-violet, <i>Hesperis matronalis</i>	1	1995 - 1995	Non-native
Druce's Crane's-bill, <i>Geranium endressii</i> x <i>versicolor</i> = <i>G. x oxonianum</i>	1	2013 - 2013	Non-native
Duke of Argyll's Teaplant, <i>Lycium barbarum</i>	1	2011 - 2011	Non-native
Dwarf Spurge, <i>Euphorbia exigua</i>	2	2017 - 2017	Non-native
Equal-leaved Knotgrass, <i>Polygonum arenastrum</i>	3	2010 - 2017	Non-native
Evergreen Oak, <i>Quercus ilex</i>	1	1999 - 1999	Non-native
Evergreen Spindle, <i>Euonymus japonicus</i>	2	2009 - 2011	Non-native
False-acacia, <i>Robinia pseudoacacia</i>	1	2011 - 2011	Non-native
Fennel, <i>Foeniculum vulgare</i>	1	1999 - 1999	Non-native
Feverfew, <i>Tanacetum parthenium</i>	2	2010 - 2013	Non-native
Field Forget-me-not, <i>Myosotis arvensis</i>	4	1997 - 2017	Non-native
Field Pansy, <i>Viola arvensis</i>	2	1977 - 1977	Non-native

## Flowering Plant (129 taxa)

Field Woundwort, <i>Stachys arvensis</i>	2	1977 - 2010	Non-native
Forsythia suspensa x viridissima = F. x intermedia, <i>Forsythia suspensa x viridissima = F. x intermedia</i>	1	2011 - 2011	Non-native
Fox-and-cubs, <i>Pilosella aurantiaca</i>	1	2010 - 2010	Non-native
Garden Grape-hyacinth, <i>Muscari armeniacum</i>	1	2011 - 2011	Non-native
Garden Privet, <i>Ligustrum ovalifolium</i>	3	1995 - 2015	Non-native
Garden Tulip, <i>Tulipa gesneriana</i>	1	2011 - 2011	Non-native
Gooseberry, <i>Ribes uva-crispa</i>	4	1977 - 2011	Non-native
Greater Burdock, <i>Arctium lappa</i>	2	1982 - 1982	Non-native
Greater Celandine, <i>Chelidonium majus</i>	2	1999 - 2010	Non-native
Greater Periwinkle, <i>Vinca major</i>	2	2013 - 2013	Non-native
Greater Water-parsnip, <i>Sium latifolium</i>	22	2007 - 2010	Priority, Local Priority
Ground-elder, <i>Aegopodium podagraria</i>	4	1995 - 2013	Non-native
Hedge Mustard, <i>Sisymbrium officinale</i>	6	1995 - 2007	Non-native
Hemlock, <i>Conium maculatum</i>	19	1982 - 2018	Non-native
Hoary Cress, <i>Lepidium draba</i>	2	1971 - 2010	Non-native
Hoary Cress, <i>Lepidium draba subsp. draba</i>	1	2010 - 2010	Non-native
Honesty, <i>Lunaria annua</i>	2	2011 - 2012	Non-native
Horse-chestnut, <i>Aesculus hippocastanum</i>	25	1977 - 2017	Non-native
Horse-radish, <i>Armoracia rusticana</i>	4	1995 - 2017	Non-native
Hybrid Black-poplar, <i>Populus nigra x deltoides = P. x canadensis</i>	3	1995 - 1999	Non-native
Hybrid Crack-willow, <i>Salix euxina x alba = S. x fragilis</i>	2	2004 - 2008	Non-native
Italian Rye-grass, <i>Lolium multiflorum</i>	5	1997 - 2017	Non-native
Ivy-Leaved Speedwell, <i>Veronica hederifolia subsp. lucorum</i>	3	2011 - 2011	Non-native
Ivy-leaved Speedwell, <i>Veronica hederifolia</i>	1	2013 - 2013	Non-native
Ivy-leaved Toadflax, <i>Cymbalaria muralis</i>	5	1995 - 2011	Non-native
Japanese Cherry, <i>Prunus serrulata</i>	2	2011 - 2011	Non-native
Japanese Knotweed, <i>Fallopia japonica</i>	1	2004 - 2004	Non-native
Jerusalem Artichoke, <i>Helianthus tuberosus</i>	1	2017 - 2017	Non-native
Laburnham, <i>Laburnum anagyroides</i>	6	1999 - 2011	Non-native
Large Bindweed, <i>Calystegia silvatica</i>	3	2010 - 2015	Non-native
Least Duckweed, <i>Lemna minuta</i>	2	2004 - 2007	Non-native
Lesser Periwinkle, <i>Vinca minor</i>	1	2011 - 2011	Non-native
Lesser Swine-cress, <i>Lepidium didymum</i>	1	2011 - 2011	Non-native
London Plane, <i>Platanus occidentalis x orientalis = P. x hispanica</i>	1	2010 - 2010	Non-native
Long Smooth-headed Poppy, <i>Papaver dubium</i>	2	1997 - 1997	Non-native
Lucerne, <i>Medicago sativa subsp. sativa</i>	1	1999 - 1999	Non-native
Lungwort, <i>Pulmonaria officinalis</i>	1	2017 - 2017	Non-native
Montbretia, <i>Crococsmia pottsii x aurea = C. x crocosmiiflora</i>	1	2011 - 2011	Non-native
Mugwort, <i>Artemisia vulgaris</i>	3	1994 - 2015	Non-native
Norway Maple, <i>Acer platanoides</i>	4	1995 - 2013	Non-native

## Flowering Plant (129 taxa)

Nuttall's Waterweed, <i>Elodea nuttallii</i>	1	2018 - 2018	Non-native
Oil-seed Rape, <i>Brassica napus</i> subsp. <i>oleifera</i>	7	1995 - 2015	Non-native
Osier, <i>Salix viminalis</i>	5	1995 - 1997	Non-native
Pear, <i>Pyrus communis</i>	3	1982 - 1982	Non-native
Petty Spurge, <i>Euphorbia peplus</i>	1	2010 - 2010	Non-native
Pineappleweed, <i>Matricaria discoidea</i>	8	1995 - 2017	Non-native
Pink-sorrel, <i>Oxalis articulata</i>	1	2011 - 2011	Non-native
Portugal Laurel, <i>Prunus lusitanica</i>	4	2009 - 2011	Non-native
Prickly Lettuce, <i>Lactuca serriola</i>	2	2010 - 2018	Non-native
Purple Toadflax, <i>Linaria purpurea</i>	1	2013 - 2013	Non-native
Rape, <i>Brassica napus</i>	3	2018 - 2018	Non-native
Red Dead-nettle, <i>Lamium purpureum</i>	9	1997 - 2017	Non-native
Red Oak, <i>Quercus rubra</i>	2	1982 - 1982	Non-native
Ribbed Melilot, <i>Melilotus officinalis</i>	1	1999 - 1999	Non-native
Russian Comfrey, <i>Symphytum officinale</i> x <i>asperum</i> = <i>S. x uplandicum</i>	1	2013 - 2013	Non-native
Salsify, <i>Tragopogon porrifolius</i>	1	2013 - 2013	Non-native
Scented Mayweed, <i>Matricaria chamomilla</i>	6	1995 - 2017	Non-native
Scentless Mayweed, <i>Tripleurospermum inodorum</i>	14	1994 - 2015	Non-native
Shepherd's-needle, <i>Scandix pecten-veneris</i>	5	1984 - 1986	Priority, Non-native
Shepherd's-purse, <i>Capsella bursa-pastoris</i>	24	1994 - 2017	Non-native
Slender Speedwell, <i>Veronica filiformis</i>	8	1999 - 2011	Non-native
Snowberry, <i>Symphoricarpos albus</i>	10	1977 - 2018	Non-native
Snowdrop, <i>Galanthus nivalis</i>	13	2009 - 2015	Non-native
Sowbread, <i>Cyclamen hederifolium</i>	1	2011 - 2011	Non-native
Spanish Bluebell, <i>Hyacinthoides hispanica</i>	2	2011 - 2011	Non-native
Spear Mint, <i>Mentha spicata</i>	3	1995 - 1995	Non-native
Spotted-laurel, <i>Aucuba japonica</i>	2	2011 - 2011	Non-native
Sticky Groundsel, <i>Senecio viscosus</i>	1	2010 - 2010	Non-native
Sun Spurge, <i>Euphorbia helioscopia</i>	1	2017 - 2017	Non-native
Sunflower, <i>Helianthus annuus</i>	1	2003 - 2003	Non-native
Swedish Whitebeam, <i>Sorbus intermedia</i>	2	2011 - 2013	Non-native
Sweet Chestnut, <i>Castanea sativa</i>	7	1977 - 2009	Non-native
Swine-cress, <i>Lepidium coronopus</i>	6	1997 - 2017	Non-native
Sycamore, <i>Acer pseudoplatanus</i>	37	1977 - 2018	Non-native
Tragopogon porrifolius subsp. <i>porrifolius</i> , <i>Tragopogon porrifolius</i> subsp. <i>porrifolius</i>	1	2013 - 2013	Non-native
Turkey Oak, <i>Quercus cerris</i>	3	1982 - 2008	Non-native
Two-rowed Barley, <i>Hordeum distichon</i>	2	2010 - 2015	Non-native
Wall Barley, <i>Hordeum murinum</i>	3	2007 - 2007	Non-native
Wall Cotoneaster, <i>Cotoneaster horizontalis</i>	1	2011 - 2011	Non-native
Walnut, <i>Juglans regia</i>	1	2013 - 2013	Non-native

**Flowering Plant (129 taxa)**

White Dead-nettle, <i>Lamium album</i>	44	1994 - 2018	Non-native
White Poplar, <i>Populus alba</i>	4	1995 - 2008	Non-native
White Willow, <i>Salix alba</i>	14	1994 - 2017	Non-native
Wild Plum, <i>Prunus domestica</i>	10	1995 - 2017	Non-native
Wild-oat, <i>Avena fatua</i>	17	1977 - 2017	Non-native
Wilson's Honeysuckle, <i>Lonicera nitida</i>	4	2004 - 2017	Non-native
Winter Aconite, <i>Eranthis hyemalis</i>	3	2009 - 2011	Non-native
Winter Heliotrope, <i>Petasites fragrans</i>	3	2009 - 2011	Non-native
Yellow Archangel, <i>Lamium galeobdolon subsp. argentatum</i>	4	2007 - 2017	Non-native
Yellow Corydalis, <i>Pseudofumaria lutea</i>	1	2013 - 2013	Non-native

**Insect - Beetle (Coleoptera) (1 taxa)**

Harlequin Ladybird, <i>Harmonia axyridis</i>	6	2016 - 2016	Non-native
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**Insect - Butterfly (3 taxa)**

Small Heath, <i>Coenonympha pamphilus</i>	6	1996 - 2010	Priority
Wall, <i>Lasiommata megera</i>	10	1995 - 2018	Priority
White-letter Hairstreak, <i>Satyrium w-album</i>	4	2015 - 2015	Protected, Priority

**Mollusc (2 taxa)**

Budapest Keeled Slug, <i>Tandonia budapestensis</i>	1	2016 - 2016	Non-native
Jenkins' Spire Snail, <i>Potamopyrgus antipodarum</i>	45	1980 - 2017	Non-native

**Reptile (1 taxa)**

Grass Snake, <i>Natrix helvetica</i>	5	1977 - 1977	Protected, Priority
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**Terrestrial Mammal (10 taxa)**

Brown Hare, <i>Lepus europaeus</i>	29	1977 - 2018	Priority
Brown Rat, <i>Rattus norvegicus</i>	4	1977 - 2014	Non-native
Chinese Muntjac, <i>Muntiacus reevesi</i>	9	2009 - 2018	Non-native
Eastern Grey Squirrel, <i>Sciurus carolinensis</i>	43	1977 - 2019	Non-native
European Otter, <i>Lutra lutra</i>	7	2001 - 2013	Protected, Priority
European Rabbit, <i>Oryctolagus cuniculus</i>	13	1977 - 2012	Non-native
European Water Vole, <i>Arvicola amphibius</i>	114	1977 - 2018	Protected, Priority, Local Priority
House Mouse, <i>Mus musculus</i>	4	1977 - 2013	Non-native
West European Hedgehog, <i>Erinaceus europaeus</i>	14	1977 - 2018	Priority



## Terrestrial Mammal (bat) (5 taxa)

Bats, <i>Chiroptera</i>	21	1999 - 2019	Protected, Priority, Local Priority
Brown Long-eared Bat, <i>Plecotus auritus</i>	9	2004 - 2015	Protected, Priority, Local Priority
Common Pipistrelle, <i>Pipistrellus pipistrellus sensu stricto</i>	2	2004 - 2012	Protected, Local Priority
Pipistrelle Bat species, <i>Pipistrellus</i>	4	2004 - 2015	Protected, Priority, Local Priority
Soprano Pipistrelle, <i>Pipistrellus pygmaeus</i>	1	2012 - 2012	Protected, Priority, Local Priority

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