



# **Biodiversity Information Report 28/05/2015**

**MBB reference: 1499-Speke**

**Site: N2K**



Your Ref: NA  
Your contact: #ClientContact#

MBB Ref: 1499-Speke  
MBB Contact: Ben Deed

Date: 28/05/2015

## Merseyside BioBank biodiversity information report

These are the results of your data request relating to **an area at N2K defined by a buffer of 1000 metres around the centre of grid reference SJ422837.**

You have been supplied with the following:

- records of **protected** taxa that intersect the search area
- records of **BAP** taxa that intersect the search area
- records of **Red Listed** taxa that intersect the search area
- records of other '**notable**' taxa that intersect the search area
- records of WCA schedule 9 taxa (including '**invasive plants**') that intersect the search area
- a map showing the location of monad and tetrad references that overlap the search area
- a list of all **designated sites** that intersect your search area
- citations, where available, for intersecting Local Wildlife Sites
- a list of **other sites of interest** (e.g. Ancient Woodlands) that intersect your search area
- a map showing such sites
- a list of all **BAP habitats** which intersect the search area
- a map showing BAP habitats
- a summary of the area for all available mapped **Phase 1 and/or NVC habitats** found within 500m of your site
- a map showing such habitats

Merseyside BioBank (MBB) is the Local Records Centre (LRC) for North Merseyside. We collect and collate biological and environmental information and make it available to people and organisations that have need to access such information in North Merseyside. We promote the North Merseyside Biodiversity Action Plan and wider participation in conservation through education, community involvement and by supporting the biological recording community of North Merseyside.

Merseyside BioBank is an information node of the National Biodiversity Network (NBN) and integrate records from our own databases with those of the NBN Gateway.

The handling charge for this data request is not a charge for the data themselves, but rather a partial charge for the staff time required to service the request. Our annual income from data requests is something less than 20% of our total running costs.

## Species records

The biological records held by Merseyside BioBank come from a variety of sources; from large organisations to individual amateur naturalists. Merseyside BioBank operates as managers or custodians of these records but the individuals and groups, who provide their records free of charge, retain copyright on their data. Without their contribution, we would not be able to provide the records included in this report. Their efforts, expertise and goodwill make a substantial contribution to the protection of North Merseyside's biodiversity.

**You may only use the records in this document subject to our access terms and conditions which can be found in Appendix 1. Non-adherence to these terms and conditions will be viewed as a breach of contract, which may result in legal redress being sought.**

This report also integrates records from the NBN Gateway. Some NBN data providers give us permission to download and integrate their records at a higher resolution than available through public access in order to contribute to the protection of North Merseyside's biodiversity.

Details of the biological records summarised in the following tables, and the sources from which they are derived, are included in appendix 2 of this report. Note that the date ranges in the summary tables (headed 'Dates') show the earliest and latest years for which records have been summarised for each taxon.

### **UK Protected Species**

'UK Protected species' are those taxa specifically identified by UK legislation including: Wildlife & Countryside Act 1981 (as amended); Protection of Badgers Act 1992; Conservation of Habitats and Species Regulations 2010. The latter regulations enact the European Union's (EU) Habitats Directive (92/43/EEC) in the UK and supercede The Conservation Regulations 1994. In our list of protected species, you may see designations that refer to schedules in the 1994 regulations, but these remain unchanged under the 2010 regulations.

Some protected species may not be legally disturbed unless you are in possession of an appropriate license. If you are in any doubt as to whether or not a license is required, you should contact Natural England.

The following tables detail the protected species that were recorded in the search area.

Group	Common Name	Scientific Name	Records	Dates	Designations
amphibian	Common Frog	<i>Rana temporaria</i>	4	1971-2014	WCA5/9.5a,WCA5/9.5b
	Great Crested Newt	<i>Triturus cristatus</i>	1	2007	HabRegs2,WCA5/9.4b,WCA5/9.5a,WC A5/9.5b,WCA5/9.4c
	Smooth Newt	<i>Lissotriton vulgaris</i>	12	2004-2007	WCA5/9.5a,WCA5/9.5b
bird	Barn Owl	<i>Tyto alba</i>	1	1999	WCA1i
flowering plant	Bluebell	<i>Hyacinthoides non-scripta</i>	23	1970-2014	WCA8
	Water Germander	<i>Teucrium scordium</i>	1	1995	WCA8
reptile	Common Lizard	<i>Zootoca vivipara</i>	1	1959	WCA5/9.1k/I,WCA5/9.5a,WCA5/9.5b
terrestrial mammal	Eurasian Badger	<i>Meles meles</i>	1	2014	PBA
	Long-eared Bat species	<i>Plecotus</i>	1	1991	HabRegs2,WCA5/9.4b,WCA5/9.5a,WC A5/9.5b,WCA5/9.4c
	Noctule Bat	<i>Nyctalus noctula</i>	7	2007	HabRegs2,WCA5/9.4b,WCA5/9.5a,WC A5/9.5b,WCA5/9.4c
	Pipistrelle Bat species	<i>Pipistrellus</i>	10	1990-2007	HabRegs2,WCA5/9.4b,WCA5/9.5a,WC A5/9.5b,WCA5/9.4c
	Unidentified Bat	<i>Myotis</i>	6	2007	HabRegs2,WCA5/9.4b,WCA5/9.5a,WC A5/9.5b,WCA5/9.4c

Desig. Code	Desig. Name	Designation Description
WCA5/9.5a	Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5a)	Section 9.5 Animals which are protected from being sold, offered for sale or being held or transported for sale either live or dead, whole or part.
WCA5/9.5b	Wildlife and Countryside Act 1981 (Schedule 5 Section 9.5b)	Section 9.5 Animals which are protected from being published or advertised as being for sale.

HabRegs2	The Conservation (Natural Habitats, &c.) Regulations 2010 (Schedule 2)	Schedule 2- European protected species of animals.
WCA5/9.4b	Wildlife and Countryside Act 1981 (Schedule 5 Section 9.4b)	Section 9.4 Animals which are protected from intentional disturbance while occupying a structure or place used for shelter or protection.
WCA5/9.4c	Wildlife and Countryside Act 1981 (Schedule 5)	Animals which are protected from their access to any structure or place which they use for shelter or protection being obstructed.
WCA1i	Wildlife and Countryside Act 1981 (Schedule 1 Part 1)	Birds which are protected by special penalties at all times.
WCA8	Wildlife and Countryside Act 1981 (Schedule 8)	Plants which are protected from intentional picking, uprooting or destruction (Section 13 1a); selling, offering for sale, possessing or transporting for the purpose of sale (live or dead, part or derivative) (Section 13 2a); advertising (any of these) for buying or selling (Section 13 2b).
HabRegs4	The Conservation (Natural Habitats, &c.) Regulations 2010 (Schedule 4)	Schedule 4- Animals which may not be taken or killed in certain ways
WCA5/9.4A*	Wildlife and Countryside Act 1981 (Schedule 5)	Ceteaca/basking shark that are not allowed to be intentionally or recklessly disturbed.
WCA5/9.1k/l	Wildlife and Countryside Act 1981 (Schedule 5 Section 9.1 (killing/injuring))	Section 9.1. Animals which are protected from intentional killing or injuring.
PBA	Protection of Badgers Act (1992)	The Protection of Badgers Act 1992 protects badgers from taking, injuring, killing, cruel treatment, selling, possessing, marking and having their setts interfered with, subject to exceptions.

### North Merseyside BAP Species

The North Merseyside Biodiversity Action Plan (NM BAP) was published in September 2001 and last reviewed in 2008. Like other Local Biodiversity Action Plans (LBAPs) its purpose is to focus local conservation on national priority species and habitats. However, LBAPs also embrace the idea of 'local distinctiveness' and species which are not considered UK conservation priorities can be catered for by LBAPs if they are of particular local significance. Such is the case with the NM BAP which currently names 74 species of which 57 are not conservation priority species but are included because their conservation is considered to be a priority in North Merseyside.

The following tables detail the North Merseyside BAP species that were recorded in the search area.

Group	Common Name	Scientific Name	Records	Dates	Designations
amphibian	Great Crested Newt	<i>Triturus cristatus</i>	1	2007	LBAP
bird	Corn Bunting	<i>Emberiza calandra</i>	1	1998	LBAP
	Grey Partridge	<i>Perdix perdix</i>	2	1998-2002	LBAP
	House Martin	<i>Delichon urbicum</i>	2	1997-1999	LBAP
	House Sparrow	<i>Passer domesticus</i>	10	1997-2001	LBAP
	Lapwing	<i>Vanellus vanellus</i>	6	1997-2002	LBAP
	Skylark	<i>Alauda arvensis</i>	6	1998-2002	LBAP
	Song Thrush	<i>Turdus philomelos</i>	5	1997-1999	LBAP
	Starling	<i>Sturnus vulgaris</i>	5	1997-1999	LBAP
	Swift	<i>Apus apus</i>	1	1997-1999	LBAP
flowering plant	Bluebell	<i>Hyacinthoides non-scripta</i>	23	1970-2014	LBAP
insect - dragonfly (Odonata)	Azure Damselfly	<i>Coenagrion puella</i>	20	1999-2013	LBAP
	Black-tailed Skimmer	<i>Orthetrum cancellatum</i>	4	2010	LBAP
	Blue-tailed Damselfly	<i>Ischnura elegans</i>	36	1988-2014	LBAP
	Broad-bodied Chaser	<i>Libellula depressa</i>	14	2007-2014	LBAP
	Brown Hawker	<i>Aeshna grandis</i>	23	1982-2012	LBAP
	Common Blue Damselfly	<i>Enallagma cyathigerum</i>	3	1988-2001	LBAP
	Common Darter	<i>Sympetrum striolatum</i>	38	1988-2014	LBAP
	Emperor Dragonfly	<i>Anax imperator</i>	39	2007-2014	LBAP

	Four-spotted Chaser	<i>Libellula quadrimaculata</i>	8	2010	LBAP
	Large Red Damselfly	<i>Pyrrhosoma nymphula</i>	8	2010	LBAP
	Southern Hawker	<i>Aeshna cyanea</i>	25	1940-2010	LBAP
reptile	Common Lizard	<i>Zootoca vivipara</i>	1	1959	LBAP
terrestrial mammal	Bats	<i>Chiroptera</i>	3	1990-1994	LBAP
	Brown Hare	<i>Lepus europaeus</i>	52	1971-2013	LBAP
	Long-eared Bat species	<i>Plecotus</i>	1	1991	LBAP
	Noctule Bat	<i>Nyctalus noctula</i>	7	2007	LBAP
	Pipistrelle Bat species	<i>Pipistrellus</i>	10	1990-2007	LBAP
	Unidentified Bat	<i>Myotis</i>	6	2007	LBAP

Desig. Code	Desig. Name	Designation Description
LBAP	North Merseyside BAP	Species that are incorporated within the North Merseyside Biodiversity Action Plan. These species may or may not also be UK BAP species. Some species have their own action plans within the NM BAP, others are members of group species action plans.

#### **NM BAP species: Great Crested Newt (*Triturus cristatus*)**

Great Crested Newt is thought to have been in decline since the 1940s. Over a period of five years in the 1980s 2% of all UK colonies were lost, and although Britain remains a stronghold for this species, it is now considered to be dependant on conservation and is afforded international protection.

There is no current North Merseyside population estimate, though recent surveys suggest that in the general North West area around 25% of ponds have Great Crested Newts. A study of the parts of the Sefton Coast showed that a number of populations were present.

This species is highly dependant on the quality of ponds and also the habitat in the surrounding area (where they forage and hibernate away from the water). Habitat loss is the greatest cause of decline with many ponds being drained or drying up as a result of natural succession. Removal of scrub and woodland in addition to over-grazing and intensive management of surrounding grassland is also detrimental. Other factors which may affect population levels include predation by fish and waterfowl, habitat fragmentation and pollution.

#### **NM BAP species: Corn Bunting (*Emberiza calandra*)**

Nationally this species has significantly declined with a loss of 90% of the UK population between 1970 and 2005 and large contractions in the species range.

Locally Corn Bunting is thought to have undergone severe declines with only an estimated 200 pairs remaining in 1997-99. Corn Buntings are sparsely distributed across much of North Merseyside's arable farmland.

Declines are thought to be caused by changes in agricultural practices. Sowing cereals later in the year, increasing use of herbicide and the removal of fallow fields have all greatly reduced winter seed sources. Increasing use of pesticides has reduced the availability of invertebrate food sources. Earlier crop harvesting may also result in the destruction of some nests, especially where there are limited uncropped areas.

**NM BAP species: Grey Partridge (*Perdix perdix*)**

The UK population of Grey Partridge declined by 88% between 1970 and 2005 and though still widespread shows distinct variation according to agricultural practices. In North Merseyside there were an estimated 300 pairs in 1997-99 and they are present in all suitable habitat.

Loss of suitable habitat is the main cause of decline in this species, with changes in agricultural practices being particularly detrimental. The amalgamation of small fields into a larger ones and the removal of hedgerows, ditches and other field margins have destroyed potential nesting sites. Changes in sowing, harvesting and crop type have removed essential winter food sources.

**NM BAP species: Urban Birds (*Delichon urbicum*; *Passer domesticus*; *Sturnus vulgaris*; *Apus apus*)**

The four species covered by the NM BAP Urban Birds Species Action Plan (House Martin, Swift, House Sparrow and Starling) are considered to be in significant decline across the UK. In North Merseyside House Sparrows and Starlings currently breed in all urban areas, while House Martins are restricted to areas nearer sources of mud for nest-building. Swifts occurred in only 55 tetrads during 1997-2000.

Urban bird numbers are thought to relate strongly to the availability of prey species, and nesting opportunities.

Declines are most likely caused by the reduction in the diversity and abundance of invertebrate prey species resulting from increased 'tidiness' in our parks and gardens, the use of pesticides and other changes in farm practices. The exclusion of urban birds from breeding in or around modern buildings reduces nesting opportunities for urban birds.

**NM BAP species: Lapwing (*Vanellus vanellus*)**

Between 1987 and 1998 Lapwing declined by 48% in England and Wales with Wales and the SW of England showing greatest loss. Two thirds of the population is now resident in the N and NW of England.

Locally this species continues to breed in all suitable habitats and the 2002-03 surveys indicated a population of around 1,500 pairs with arable farmland and pockets of grassland being particularly favoured.

Local threats are thought to include development in nesting areas, increasing recreation and disturbance, scrub encroachments on coastal grassland and changes in farm practice towards silage production, livestock and agricultural intensification.

**NM BAP species: Skylark (*Alauda arvensis*)**

Although Skylark is widespread throughout Europe and large numbers are thought to breed in the UK, it is in significant decline with a fall in the population of 75% between 1972 and 1996 on lowland farms and an overall fall in the UK population of 53% between 1970 and 2005.

Locally Skylark breeds in all remaining suitable habitat and in 1997-2000 there were 750 breeding pairs but declines are thought to reflect the national trend.

This species relies heavily on traditional arable farming and so declines have largely been due to changes in farming practices in recent decades. Conversion to silage production, changes in sowing



times and general agricultural intensification have all been particularly detrimental by reducing nesting habitat and sources of food.

Other causes of decline include overgrazing, disturbance during the breeding season and loss of grassland to development and tree planting.

**NM BAP species: Song Thrush** (*Turdus philomelos*)

Although still widespread, Song Thrush declined sharply by around 73% in farmland (mid 1970s) and 49% in woodland (1968-1993), while overall UK numbers fell by 50% between 1970 and 2005. The North of the UK is thought to have been hit hardest.

In North Merseyside, though thinly distributed, Song Thrush still breed in most areas with an estimated 500 pairs during 1997-2000. Highest breeding concentrations were found to occur in suburban areas where abundant garden and parkland habitats were present.

Song Thrush are reliant on a variety of habitats to meet their needs at different times of the year and loss of these habitats is causes a reduction in numbers.

Local factors in the decline of the species include changes in farm practices that remove nesting habitat (hedgerows and dense scrub), limit the abundance of winter food (changes in sowing, cropping and use of herbicides/molluscicides) or cause the loss of feeding habitat (use of pesticides/herbicides and monocropping).

**NM BAP species: Bluebell** (*Hyacinthoides non-scripta*)

British Bluebells make up about 20% of the global population of *Hyacinthoides non-scripta* and are often found in humid woodland habitat, along hedgerows and on occasion along the coast. Locally there are a number of good colonies.

Local threats to the species include possible over-shading in un-managed woodlands, localised trampling by the public in popular areas and hybridisation with the Spanish Bluebell. On a national scale declines are caused by the loss of woodland habitat, grazing by introduced Muntjac, collection of plants and hybridisation with Spanish Bluebell.

**NM BAP species: Dragonflies** (*Coenagrion puella*; *Orthetrum cancellatum*; *Ischnura elegans*; *Libellula depressa*; *Aeshna grandis*; *Enallagma cyathigerum*; *Sympetrum striolatum*; *Anax imperator*; *Libellula quadrimaculata*; *Pyrrhosoma nymphula*; *Aeshna cyanea*)

Twentyone species of dragonfly and damselfly are included in the NM BAP Dragonflies Species Action Plan. These include vagrant species and some which are thought to be undergoing range expansions in the UK. Eighteen of these species are known to breed in our local area, with significant breeding sites in St Helens and Sefton.

Local causes of decline in this include the destruction or damage of essential wetland habitat through development, waste-tipping and agricultural run-off. Removal of nearby feeding habitats such as woodlands, hedgerows and tall vegetation is also detrimental.

**NM BAP species: Common Lizard** (*Zootoca vivipara*)

Populations of the Common Lizard are highly localised in Britain. In North Merseyside this species remains relatively common on the Sefton Coast dune and heath, where it is thought to be stable. Inland it

is much less common. There are occasional records from Knowsley where the species is thought to be extremely vulnerable.

Declines are primarily due to the loss and fragmentation of suitable habitat, usually caused by changes in land use, urban expansion and increased forestry and scrub encroachment. Predation by cats and the gassing of rabbit burrows may also be having a detrimental effect.

**NM BAP species: Brown Hare (*Lepus europaeus*)**

Whilst still well distributed in North Merseyside it is thought that the local population of Brown Hare declined in-line with National trends which have shown severe declines in the western pastoral parts of the country to around 20% of the numbers present in Victorian times.

Reasons for local declines are thought to include loss and fragmentation of suitable habitat to development, illegal hunting and changes in farming practices and land use that cause increased disturbance (changes in cropping/sowing times, livestock trampling and recreation).

**NM BAP species: Bats (*Nyctalus noctula*)**

The NM BAP Bats Species Action Plan covers all species found in North Merseyside since all are considered to be locally threatened.

Bat Species are found throughout North Merseyside, with Pipistrelles (Common/Soprano) most often encountered and Brown Long-eared and Noctules less common. Daubenton's are also frequently encountered in suitable wetland habitat. Whiskered, Brandt's and Natterers are considered rare locally.

Bat species will roost in many locations that are warm, dark, sheltered and little undisturbed. Such places can include derelict buildings, barns, roof spaces and tree hollows.

Factors causing declines in these species include the loss of prey insects due to the increased use of pesticides and general park/garden 'tidiness', loss and fragmentation of habitat mosaics, loss of winter roosts in old trees and buildings and intentional exclusion from buildings by people.

**NERC Act Section 41 Species**

Known also as 'Species of Principle Importance in England' and the 'England Biodiversity List' this list was developed to meet the requirements of Section 40 of the Natural Environment and Rural Communities Act (2006). The list is derived, almost wholly, from the 2007 revised list of UK BAP priority species. (So called 'research only' moth species have been excluded from the report.) The section 41 list is 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 must use it to identify the species that should be afforded priority when applying the requirements of National Planning Policy Framework (NPPF) to maintain, restore and enhance species and habitats.
- Local Planning Authorities must use it to identify the species that require specific consideration in dealing with planning and development control, recognising that under NPPF the aim of planning decisions should be to minimise impacts on biodiversity and geodiversity.
- All Public Bodies must use it to identify species that should be given priority when implementing the NERC Section 40 duty.



The following tables detail the NERC Section 41 species that were recorded in the search area.

Group	Common Name	Scientific Name	Records	Dates	Designations
amphibian	Great Crested Newt	<i>Triturus cristatus</i>	1	2007	Sect.41
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	1	1999	Sect.41.suppl
	Corn Bunting	<i>Emberiza calandra</i>	1	1998	Sect.41.suppl
	Cuckoo	<i>Cuculus canorus</i>	1	1998	Sect.41
	Dunnock	<i>Prunella modularis</i>	6	1997-1999	Sect.41.suppl
	Grasshopper Warbler	<i>Locustella naevia</i>	1	1998	Sect.41
	Grey Partridge	<i>Perdix perdix</i>	2	1998-2002	Sect.41
	House Sparrow	<i>Passer domesticus</i>	10	1997-2001	Sect.41
	Lapwing	<i>Vanellus vanellus</i>	6	1997-2002	Sect.41
	Lesser Redpoll	<i>Acanthis cabaret</i>	1	1998	Sect.41
	Linnet	<i>Linaria cannabina</i>	8	1997-2002	Sect.41.suppl
	Reed Bunting	<i>Emberiza schoeniclus</i>	4	1998-2002	Sect.41
	Skylark	<i>Alauda arvensis</i>	6	1998-2002	Sect.41,Sect.41.suppl
	Song Thrush	<i>Turdus philomelos</i>	5	1997-1999	Sect.41.suppl
	Starling	<i>Sturnus vulgaris</i>	5	1997-1999	Sect.41.suppl
	Willow Tit	<i>Poecile montana</i>	2	1997-1999	Sect.41.suppl
	Yellowhammer	<i>Emberiza citrinella</i>	1	1998	Sect.41
flowering plant	Water Germander	<i>Teucrium scordium</i>	1	1995	Sect.41
reptile	Common Lizard	<i>Zootoca vivipara</i>	1	1959	Sect.41
terrestrial mammal	Brown Hare	<i>Lepus europaeus</i>	52	1971-2013	Sect.41
	Noctule Bat	<i>Nyctalus noctula</i>	7	2007	Sect.41
	West European Hedgehog	<i>Erinaceus europaeus</i>	1	2007	Sect.41

Desig. Code	Desig. Name	Designation Description
Sect.41	Natural Environment and Rural Communities Act 2006 - Species of Principal Importance in England (sec	Species "of principal importance for the purpose of conserving biodiversity" covered under section 41 (England) of the NERC Act (2006) and therefore need to be taken into consideration by a public body when performing any of its functions with a view to conserving biodiversity.
Sect.41.suppl	Supplementary list to deal with S41 bird sub-sp problems	Bird species corresponding to British sub-species listed in section 41 (England) of the NERC Act (2006).

### ***IUCN Red-listed Species***

The IUCN Red List of Threatened Species (sometimes called 'Red Data Book' species) indicates the conservation status of plants and animals that have been globally evaluated using the IUCN Red List Categories and Criteria. The system is designed to determine the relative risk of extinction, and the main purpose of the IUCN Red List is to catalogue and highlight those plants and animals that are facing a higher risk of global extinction (i.e. those listed as Critically Endangered, Endangered and Vulnerable). The IUCN Red List also includes information on plants and animals that are categorized as 'Extinct' or 'Extinct in the Wild'; on taxa that cannot be evaluated because of insufficient information ('Data Deficient'); and on plants and animals that are either close to meeting the threatened thresholds or that would be threatened were it not for an ongoing taxon-specific conservation programme ('Near Threatened').

The following tables detail the IUCN Red-listed species that were recorded in the search area.

Group	Common Name	Scientific Name	Records	Dates	Designations
flowering plant	Corn Spurrey	<i>Spergula arvensis</i>	1	2014	RLGB.VU
	Hawkweed	<i>Hieracium aggregatum</i>	1	1981	RLGB.DD
	Large-flowered Hemp-nettle	<i>Galeopsis speciosa</i>	3	1982	RLGB.VU
	Water Germander	<i>Teucrium scordium</i>	1	1995	RLGB.EN

Desig. Code	Desig. Name	Designation Description
RLGB.VU	IUCN (2001) - Vulnerable	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.
RLGB.DD	IUCN (2001) - Data Deficient	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.
RLGB.EN	IUCN (2001) - Endangered	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.

### Nationally Notable Species

These are plants and animals which do not fall within red-list categories but which are none-the-less uncommon in Great Britain.

The following tables detail the Nationally Notable species that were recorded in the search area.

Group	Common Name	Scientific Name	Records	Dates	Designations
flowering plant	Hawkweed	<i>Hieracium aggregatum</i>	1	1981	NR-excludes
	Water Germander	<i>Teucrium scordium</i>	1	1995	NR-excludes
	Welsh Poppy	<i>Meconopsis cambrica</i>	1	2014	NS-excludes
insect - beetle (Coleoptera)	Adonis' Ladybird	<i>Hippodamia (Adonia) variegata</i>	1	2010	Nb
	Anitys rubens	<i>Anitys rubens</i>	1	1981	Nb
	Atomaria (Atomaria) strandi	<i>Atomaria (Atomaria) strandi</i>	1	1986	N
	Bradycellus distinctus	<i>Bradycellus distinctus</i>	2	1986	Na
	Cobweb Beetle	<i>Ctesias serra</i>	1	1994	Nb
	Conopalpus testaceus	<i>Conopalpus testaceus</i>	1	1994	Nb
	Corticaria inconspicua	<i>Corticaria inconspicua</i>	1	1981	N
	Cryptophagus (Cryptophagus) ruficornis	<i>Cryptophagus (Cryptophagus) ruficornis</i>	3	1985-1990	N
	Enicmus fungicola	<i>Enicmus fungicola</i>	1	1981	N
	Epuraea (Epuraea) angustula	<i>Epuraea (Epuraea) angustula</i>	2	1981-1986	Nb
	Magdalis (Odontomagdalis) carbonaria	<i>Magdalis (Odontomagdalis) carbonaria</i>	1	1991	Nb
	Melasis buprestoides	<i>Melasis buprestoides</i>	1	1981	Nb
	Mycetophagus piceus	<i>Mycetophagus piceus</i>	1	1981	Nb
	Mycetophagus quadriguttatus	<i>Mycetophagus quadriguttatus</i>	1	1990	Na
	Oligota apicata	<i>Oligota apicata</i>	2	1992	N
	Orchesia micans	<i>Orchesia micans</i>	2	1981-1994	Nb
	Orthoperus nigrescens	<i>Orthoperus nigrescens</i>	1	1989	Nb
	Oxypoda flavicornis	<i>Oxypoda flavicornis</i>	2	1992	N

	Pediacus depressus	<i>Pediacus depressus</i>	1	1986	Na
	Pterostichus (Bothriopterus) quadrifoveolatus	<i>Pterostichus (Bothriopterus) quadrifoveolatus</i>	1	1986	Nb
	Rhizophagus (Rhizophagus) nitidulus	<i>Rhizophagus (Rhizophagus) nitidulus</i>	1	1986	Nb
	Scaphidema metallicum	<i>Scaphidema metallicum</i>	2	1971-1981	Nb
	Silvanus bidentatus	<i>Silvanus bidentatus</i>	1	1981	Nb
	Sphindus dubius	<i>Sphindus dubius</i>	2	1990-1994	Nb
	Synchita humeralis	<i>Synchita humeralis</i>	1	1990	Nb
	Tetratoma desmarestii	<i>Tetratoma desmarestii</i>	1	1981	Na
insect - true fly (Diptera)	Stegana coleoprata	<i>Stegana coleoprata</i>	1	1994	N
	Suillia dumicola	<i>Suillia dumicola</i>	1	1994	N
moss	Flexuous Bog-moss	<i>Sphagnum flexuosum</i>	1	1995	NS-excludes
	Marsh Thyme-moss	<i>Plagiomnium ellipticum</i>	1	1999	NR-excludes

Desig. Code	Desig. Name	Designation Description
NS-excludes	Nationally Scarce. Excludes Red Listed taxa	Nationally Scarce - Occurring in 16-100 hectads in Great Britain. Excludes rare species qualifying under the main IUCN criteria.
NR-excludes	Nationally Rare. Excludes Red Listed taxa	Nationally Rare - Occurring in 15 or fewer hectads in Great Britain. Excludes rare species qualifying under the main IUCN criteria.
Nb	Nationally Notable B	Taxa which do not fall within RDB categories but which are none-the-less uncommon in Great Britain and thought to occur in between 31 and 100 10km squares of the National Grid or, for less-well recorded groups between eight and twenty vice-counties. Superseded by Nationally Scarce, and therefore no longer in use.
N	Nationally Notable	Species which are estimated to occur within the range of 16 to 100 10km squares. (subdivision into Notable A and Notable B is not always possible because there may be insufficient information available). Superseded by Nationally Scarce, and therefore no longer in use.
Na	Nationally Notable A	Taxa which do not fall within RDB categories but which are none-the-less uncommon in Great Britain and thought to occur in 30 or fewer 10km squares of the National Grid or, for less well-recorded groups, within seven or fewer vice-counties. Superseded by Nationally Scarce, and therefore no longer in use.

### **WCA schedule 9 species (including non-native invasive plants)**

Schedule 9 of the Wildlife & Countryside Act (amended 2010) lists species of plants and animals for which it is a specific offence to plant or otherwise cause to grow in the wild (plants) or release or allow to escape into the wild (animals). Many of these are invasive non-native plants and animals, but there are also a number of native animals on the list (e.g. Barn Owl) which cannot be released into the wild in England without a license from Natural England.

The following tables detail the WCA Schedule 9 species recorded in the search area.

Group	Common Name	Scientific Name	Records	Dates	Designations
bird	Barn Owl	<i>Tyto alba</i>	1	1999	MBB-WCA-S9
flowering plant	Canadian Waterweed	<i>Elodea canadensis</i>	1	1995	MBB-WCA-S9
	Indian Balsam	<i>Impatiens glandulifera</i>	2	1995-2014	MBB-WCA-S9
	Japanese Knotweed	<i>Fallopia japonica</i>	10	1926-2014	MBB-WCA-S9
	Montbretia	<i>Crocsmia pottsii x aurea = C. x crocosmiiflora</i>	3	1995	MBB-WCA-S9
	New Zealand Pigmyweed	<i>Crassula helmsii</i>	5	1991-2014	MBB-WCA-S9
	Rhododendron	<i>Rhododendron ponticum</i>	16	1970-2006	MBB-WCA-S9
	Three-cornered Garlic	<i>Allium triquetrum</i>	1	2014	MBB-WCA-S9
terrestrial mammal	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	1	2010	MBB-WCA-S9



Desig. Code	Desig. Name	Designation Description
MBB-WCA-S9	Wildlife and Countryside Act 1981 (Variation of Schedule 9) (England and Wales) Order 2010	Species on Schedule 9 (part 2) as revised 2010. Under section 14 of the Act it is illegal to release into the wild any animal or allow to grow in the wild any plant which is not ordinarily resident in GB or which is a known threat and is listed on Schedule 9 of the Act.

## BAP priority habitats

In 2007 the Local Biodiversity Manager (responsible for the North Merseyside Biodiversity Action Plan) undertook a review of the extent of UK BAP priority habitats in North Merseyside and produced GIS layers to show their extents. In most cases these inventories were derived from two main sources: the latest Phase 1 habitat surveys which were conducted for the four North Merseyside local authorities between 1996 and 2007; and an NVC survey of the Sefton Coast carried out between 2003 and 2004. A separate NVC survey of the Ribble estuary carried out in 2002 (which also included saltmarsh at the Alt) was also useful as were one or two other sources. Because of the diverse nature of habitat classifications, it was not always possible to produce inventories with a one-to-one correspondence with UK BAP priority habitats. The table below shows the BAP habitat inventories for North Merseyside and their correspondence with UK BAP priority habitats.

North Merseyside habitat inventory	Correspondence with UK BAP priority habitats
Lowland Acid Grassland	Lowland Dry Acid Grassland
Lowland Heathland	Lowland Heathland
Lowland Raised Bog	Lowland Raised Bog
Neutral Grassland	Incorporates the UK BAP habitat Lowland Meadows but also, in North Merseyside, includes a lot of amenity grassland, road verges etc.
Calcareous Grassland	Calcareous Grassland
Ponds	Ponds
Lakes	Eutrophic lakes
Reedbeds	Reedbeds
Hedgerows	Hedgerows
Saltmarsh	Coast Saltmarsh
Sand Dune	Coastal Sand Dune
All Woodland	It was not possible, from the available data, to produce separate inventories for different woodland types in North Merseyside, so this inventory incorporates elements of several UK BAP priority habitats such as Lowland Mixed Deciduous Woodland, Wet Woodland and Wood Pasture & Parkland.

Note that the 'Ponds' BAP inventory was derived locally using water bodies less than two hectares in extent from Ordnance Survey data. The 'Lakes' BAP inventory is a nationally supplied inventory, but the lakes are only represented in this as points. Therefore any water body over two hectares in extent will only be represented on our habitat maps by a point and will not show the extent of the lake. However, ponds will be indicated by polygons showing their extent. Occasionally a large pond – though still less than two hectares in extent – will be represented in both the 'Lake' and 'Pond' inventories.

Habitat	Amount	Units
Ancient Woodland	1	count
Hedgerows	1.28	kilometres
All Woodland	15.61	hectares
Ponds	1.01	hectares
Ponds	7	count

The table above indicates the extent of each of the BAP habitat inventories (see previous table) occurring within your search area (see appendix 3 for maps).

## Detailed habitat mapping

Merseyside BioBank collates and maintains detailed habitat mapping – normally Phase 1 or NVC – for the North Merseyside area. This includes both historic data and the most up-to-date habitat survey data available. Here we report on the detailed habitat mapping we hold for your search area.

Ref: Liverpool-2006-07		
Source: Liverpool Space for Nature project - phase 1 habitat survey 2006-2007		
Survey date: 2006 - 2007		
Notes: This is the 'default' baseline mapping used by the Council. It is the most recent complete coverage for the borough.		
Woodland and scrub		
A1.1.2	Broadleaved woodland - plantation	0.98 ha
A1.2.2	Coniferous woodland - plantation	0.3 ha
A2.1	Scrub - dense/continuous	present
Grassland and marsh		
B6	Poor semi-improved grassland	3.56 ha
Open water		
G1	Standing water	0.07 ha
Miscellaneous		
J1.2	Cultivated/disturbed land - amenity grassland	1.6 ha

Ref: Liverpool-2007		
Source: NVC habitat mapping for Knowsley sites in 2002, sourced from MEAS		
Survey date: 2007		
Aquatic communities		
A9	Potamogeton natans community	0.04 ha
Mesotrophic grasslands		
MG1	Arrhenatherum elatius grassland	10.9 ha
MG6	Lolium perenne-Cynosurus cristatus grassland	1.32 ha
Vegetation of open habitats		
OV24	Urtica dioica-Galium aparine community	0.01 ha
OV25	Urtica dioica-Cirsium arvense community	0.59 ha
OV27	Epilobium angustifolium community	0.07 ha
Woodlands and scrub		
W10	Quercus robur-Pteridium aquilinum-Rubus fruticosus woodland	0.33 ha
W24	Rubus fruticosus-Holcus lanatus underscrub	0.12 ha

Habitat maps themselves are produced at the end of the report. You can cross-reference the figures in the tables below to the maps by means of the reference which appears on each map. A map with the reference 'Composite' is a special map made on-the-fly at the time of this report production by merging data from all available sources and using the most up-to-date mapping available at any given point in your search area.

## Designated Areas

There are a number of types of 'designated areas' in North Merseyside. These types are shown in the table below together with the total number of North Merseyside sites for each.

Type of area	No. of sites
Site of Special Scientific Interest	6
Special Protection Area (Natura 2000)	3
Marine Special Protection Area	1
Special Area of Conservation (Natura 2000)	1
RAMSAR (wetland of international importance)	3
National Nature Reserve	3
Local Nature Reserve	57
Knowsley Local Wildlife Site	23
Sefton Local Wildlife Site	55
St Helens Local Wildlife Site	121
Liverpool Local Wildlife Site (current)	28
Liverpool Local Wildlife Site (proposed)	30
Merseyside Ancient Woodland Inventory	11
RSPB/LWT Windfarm Alert Map	1
Red Squirrel Protection Area	1

The following table indicates the results of the intersection between the search area and designated areas detailed above (see appendix 3 for maps).

Name	Type
Sites on the Northern Airfield	Liverpool Local Wildlife Site (current)
Sites on the Northern Airfield	Liverpool Local Wildlife Site (current)
Stocktons Wood, Speke Hall	Liverpool Local Wildlife Site (current)
Stocktons Wood	Merseyside Ancient Woodland Inventory
Mersey Estuary SPA, SSSI & Coastal Reserve	Liverpool Local Wildlife Site (proposed)
Speke Hall & adjacent land	Liverpool Local Wildlife Site (proposed)

Citations<sup>1</sup> for Local Wildlife Sites are supplied separately.

<sup>1</sup> In Knowsley, some Local Wildlife Site citations do not include lists of species and habitats for which they are designated and where this is the case a separate list is supplied for the site. No Local Wildlife citations are available for Liverpool Local Wildlife Sites (current or potential). No citations for LNRs are available. Citations for national and internationally designated sites (SSSI, SPA etc) are publicly available.



## **Interpretation and caveats**

### ***Merseyside BioBank records included***

All relevant non-confidential records managed by Merseyside BioBank which intersect the search area are included in this report, except where excluded by one or more of the conditions described in the rest of this section.

### ***NBN Gateway records included***

All relevant records available to Merseyside BioBank from the NBN Gateway are included in this report, except where excluded by one or more of the conditions described in the rest of this section. NBN Gateway records are accessed live *via* web-services at the time of report generation.

Merseyside BioBank often has access to NBN records at higher resolution than the standard 'public' access. These records have been downloaded and used with the permission of the data providers, but are subject to normal NBN Gateway terms and conditions. You must not use them beyond the specific purposes for which this report was provided to you and you must adhere, at all times, to the NBN Gateway terms and conditions.

### ***Record location and dates***

If a record can only be located to a relatively low precision (e.g. 1 km or 2 km square), then it is possible that the unrecorded precise location of the animal or plant might have been outside of the search area. Sometimes the location name column can be useful in deciding whether or not this was likely to have been the case. In records from our own database, we have replaced all digits with the '#' character in the location field to people's privacy where addresses have been used as location names.

Records which are only available to us at less than 2 km square (tetrad) precision are excluded from the report. We report dates at the highest precision available to us. Records for which no date is available are excluded from the report.

### ***Sensitive taxa***

For some sensitive taxa, the precision of grid references presented here may have been reduced. We do this for:

- all records of Badger; and
- records of breeding Otter.

In addition, we do not report on 'negative records' for Badger or Otter.

### ***Absence of records and 'negative records'***

The absence of biological records for an area, or the presence of 'negative records', is not proof that taxa are not present.

### ***Duplicate records***

Although we do our very best to avoid reporting the same record more than once ('duplicate records') this is sometimes unavoidable for records that have entered the biological records network *via* more than one route. In particular, there may be some record duplication between records from Merseyside BioBank's database and records from the NBN Gateway datasets (though, of course, we do not report on NBN Gateway records which originate from Merseyside BioBank).



***The Local Biodiversity  
Records Centre  
for North Merseyside***

Merseyside BioBank,  
Estate Barn, Court Hey Park  
Roby Road, Liverpool  
L16 3NA  
Tel: 0151 737 4150  
[Info@MerseysideBiobank.org.uk](mailto:Info@MerseysideBiobank.org.uk)

***Validity of records***

Whilst Merseyside BioBank continually strives to verify the records that we manage, we accept no responsibility for any errors subsequently discovered. Merseyside BioBank accepts no responsibility for errors in data derived from the NBN Gateway.

***Bird records***

Only bird records with a recorded status of proven, probable and possible breeding have been included in this data search. Bird records with other statuses are not included. The most recent bird records for North Merseyside included, e.g. those generated for the ongoing breeding and wintering atlas projects, since these data have yet to undergo verification by the County Bird Recorder. It is possible for you to contact the County Bird Recorder independently for his interpretation of the most recent data with respect to your search area. The contact details are:

Steve White  
[stevewhite102@btinternet.com](mailto:stevewhite102@btinternet.com)

Please note that if this is a commercial data request you will be invoiced by **Sefton Borough Council**, which is the hosting authority for Merseyside BioBank LRC.

## **Appendix 1: Terms and conditions of use**

**Merseyside BioBank receives data from a variety of sources, from large organisations to amateur naturalists. With Merseyside BioBank operating as custodians, these individuals and groups, who provide their records free of charge, retain copyright on their data.**

**All data passed to a third party (users) by Merseyside BioBank are subject to these access terms and conditions. Non-adherence to these terms and conditions will be viewed as a breach of contract, which may result in legal redress being sought.**

1. Users agree that data released by Merseyside BioBank, in any format and on any media, will only be used for the purpose for which it was originally requested and for any time period originally agreed upon (See note 3 below).
2. Users agree that data released by Merseyside BioBank will not be added to any permanent database system (electronic or paper based) unless by written agreement with Merseyside BioBank.
3. Users understand that following the end of the agreed time period, or 12 months from the enquiry date, the received data must be deleted from any electronic system (See note 2 above). Use of the data beyond this period must be preceded by a further request to Merseyside BioBank.
4. Users agree that data retrieved from Merseyside BioBank will not be passed on to or communicated with third parties except as aggregated data within reports, or as anonymised data in the form of maps etc., which constitute a part of the agreed reason for the original enquiry.
5. Merseyside BioBank disclaims any responsibility for the accuracy of the information within its reports and accepts no liability for any result of using these data.
6. Any biological record is specific to the date of the recording and does not necessarily imply the continuance of the species at that site.
7. The lack of species and/or habitat information for a geographically defined area does not necessarily imply a low biodiversity value for that area. It may simply be unrecorded.
8. While the information from Merseyside BioBank in itself will remain free, Merseyside BioBank reserves the right to charge a reasonable fee to cover administration and a proportion of overheads as detailed in our charging policy.
9. A copy of any report, or other product, produced using the data from Merseyside BioBank would be gratefully received if provided without cost.
10. Merseyside BioBank must be acknowledged within any report, or other product produced, using data provided by Merseyside BioBank.



## Appendix 2: Full species records

The following records for protected, BAP, red-listed, notable and invasive species were found to intersect the search area. (Appendix 3 includes a map to show the location of 1 km and tetrad grid references.) The source of each record is shown in the final column (BioBank = Merseyside BioBank; NBN = NBN Gateway).

GridRef	Location Name	Common Name	Scientific Name	Group	Abundance or Status	Date	Comment	Source
SJ4182	Speke & Garston Coastal Nature Reserve	Common Frog	<i>Rana temporaria</i>	amphibian		19/07/2007		4
SJ418826	Speke Hall	Common Frog	<i>Rana temporaria</i>	amphibian	1 Count	1971		3
SJ4282	Liverpool - Speke Hall Woods Pond, Speke Hall NT	Common Frog	<i>Rana temporaria</i>	amphibian	Present Count	31/12/2007		2
SJ48B	Speke and Garston Coastal Reserve	Common Frog	<i>Rana temporaria</i>	amphibian	Present Count	September 2014		1
SJ4282	Liverpool - Speke Hall Woods Pond, Speke Hall NT	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count	31/12/2007		2
SJ4182	Speke & Garston Coastal Nature Reserve	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		15/05/2007	Pond near fence	4
SJ424825	Stockton's Wood	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		04/05/2007	Breeding this season. Survey method: Sight	5
SJ424825	Stocktons Wood	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian	Present Count	04/05/2007		2
SJ424825	Stocktons Wood, Speke	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian	1 Count of Confirmed breeding; Present Count of Adult	06/06/2004		6
SJ424825	Stockton's Wood	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		06/06/2004	Breeding this season. Survey method: Sight	5
SJ424825	Stocktons Wood	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian	Present Count	06/06/2004		2
SJ424825	Stockton's Wood	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		07/07/2005	Breeding this season. Survey method: Sight	5
SJ424825	Stocktons Wood	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian	Present Count	07/07/2005		2
SJ424825	Stockton's Wood	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		10/04/2006	Breeding this season. Survey method: Sight	5
SJ424825	Stocktons Wood	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian	Present Count	10/04/2006		2
SJ4282	Stocktons Wood, Speke	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian	Present Count of Adult	07/07/2005		6
SJ4282	Liverpool - Speke Hall Woods Pond, Speke Hall NT	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian	Present Count	31/12/2007		2
SJ48G	Liverpool Northern Airfield, Hangar	Barn Owl	<i>Tyto alba</i>	bird	1 Count of Possible	1999	Bird seen in hangar prior to	7

	No.1				breeding		demolition by Balfour Beatty	
SJ48C	Allerton, Clarke Gardens	Bullfinch	<i>Pyrrhula pyrrhula</i>	bird	1 Count of Confirmed breeding	1999		7
SJ59L	Bold Moss	Corn Bunting	<i>Emberiza calandra</i>	bird	1 Count of Confirmed breeding	1998		7
SJ59L	Bold Moss	Cuckoo	<i>Cuculus canorus</i>	bird	1 Count of Possible breeding	1998		7
SJ48B	Speke Hall	Dunnock	<i>Prunella modularis</i>	bird	1 Count of Confirmed breeding	1998		7
SJ48C	Allerton, Clarke Gardens	Dunnock	<i>Prunella modularis</i>	bird	1 Count of Confirmed breeding	1999		7
SJ48G	Stockton's Wood	Dunnock	<i>Prunella modularis</i>	bird	1 Count of Confirmed breeding	1997		7
SJ48G	Stockton's Wood	Dunnock	<i>Prunella modularis</i>	bird	1 Count of Possible breeding	1998		7
SJ48H		Dunnock	<i>Prunella modularis</i>	bird	1 Count of Confirmed breeding	1997 - 1999		7
SJ59L	Bold Moss	Dunnock	<i>Prunella modularis</i>	bird	1 Count of Confirmed breeding	1998		7
SJ48G		Grasshopper Warbler	<i>Locustella naevia</i>	bird	1 Count of Possible breeding	1998		7
SJ4182		Grey Partridge	<i>Perdix perdix</i>	bird	2 Count of Probable breeding	2002	Whole 1km square surveyed. Counts not comprehensive.	7
SJ48B	Speke Hall	Grey Partridge	<i>Perdix perdix</i>	bird	1 Count of Confirmed breeding	1998		7
SJ48B	Speke Hall	House Martin	<i>Delichon urbicum</i>	bird	1 Count of Possible breeding	1998		7
SJ48H		House Martin	<i>Delichon urbicum</i>	bird	1 Count of Confirmed breeding	1997 - 1999		7
SJ430834		House Sparrow	<i>Passer domesticus</i>	bird	Proven Count of Confirmed breeding	2001		7
SJ430836		House Sparrow	<i>Passer domesticus</i>	bird	4 Proven Count of Confirmed breeding	2001		7
SJ430838		House Sparrow	<i>Passer domesticus</i>	bird	2 Proven Count of Confirmed breeding	2001		7
SJ430838		House Sparrow	<i>Passer domesticus</i>	bird	2 Proven Count of Confirmed breeding	2001		7
SJ431837		House Sparrow	<i>Passer domesticus</i>	bird	4 Proven Count of Confirmed breeding	2001		7
SJ48B	Speke Hall	House Sparrow	<i>Passer domesticus</i>	bird	1 Count of Confirmed breeding	1998		7
SJ48C	Allerton, Clarke Gardens	House Sparrow	<i>Passer domesticus</i>	bird	1 Count of Confirmed breeding	1999		7

SJ48G		House Sparrow	<i>Passer domesticus</i>	bird	1 Count of Confirmed breeding	1999		7
SJ48H		House Sparrow	<i>Passer domesticus</i>	bird	1 Count of Confirmed breeding	1997 - 1999		7
SJ59L	Bold Moss	House Sparrow	<i>Passer domesticus</i>	bird	1 Count of Confirmed breeding	1998		7
SJ4183		Lapwing	<i>Vanellus vanellus</i>	bird	1 Count of Confirmed breeding	2002	Whole 1km square	7
SJ4282		Lapwing	<i>Vanellus vanellus</i>	bird	1 Count of Confirmed breeding	2002	Whole 1km square. Not used in analysis.	7
SJ48G	Stockton's Wood	Lapwing	<i>Vanellus vanellus</i>	bird	1 Count of Confirmed breeding	1998		7
SJ48H		Lapwing	<i>Vanellus vanellus</i>	bird	1 Count of Confirmed breeding	1997 - 1999		7
SJ59L	Bold Moss	Lapwing	<i>Vanellus vanellus</i>	bird	1 Count of Possible breeding	1998		7
SJ59L		Lapwing	<i>Vanellus vanellus</i>	bird	1 Count of Confirmed breeding	2000		7
SJ59L	Bold Moss	Lesser Redpoll	<i>Acanthis cabaret</i>	bird	1 Count of Possible breeding	1998		7
SJ4182		Linnet	<i>Linaria cannabina</i>	bird	1 Count of Possible breeding	2002	Survey too early to confirm breeding or numbers	7
SJ4183		Linnet	<i>Linaria cannabina</i>	bird	1 Count of Possible breeding	2002	Survey too early to confirm breeding or numbers	7
SJ48B	Speke Hall	Linnet	<i>Linaria cannabina</i>	bird	1 Count of Confirmed breeding	1998		7
SJ48G	Stockton's Wood	Linnet	<i>Linaria cannabina</i>	bird	1 Count of Confirmed breeding	1997		7
SJ48G	Stockton's Wood	Linnet	<i>Linaria cannabina</i>	bird	1 Count of Possible breeding	1998		7
SJ48G		Linnet	<i>Linaria cannabina</i>	bird	1 Count of Possible breeding	1998		7
SJ48H		Linnet	<i>Linaria cannabina</i>	bird	1 Count of Confirmed breeding	1997 - 1999		7
SJ59L	Bold Moss	Linnet	<i>Linaria cannabina</i>	bird	1 Count of Confirmed breeding	1998		7
SJ4182		Reed Bunting	<i>Emberiza schoeniclus</i>	bird	1 Count of Confirmed breeding	2002	Whole 1km square surveyed but counts not comprehensive.	7
SJ4183		Reed Bunting	<i>Emberiza schoeniclus</i>	bird	2 Count of Confirmed breeding	2002	Whole 1km square surveyed but counts not comprehensive.	7
SJ48B	Speke Hall	Reed Bunting	<i>Emberiza schoeniclus</i>	bird	3 Count of Confirmed breeding	1998		7
SJ59L	Bold Moss	Reed Bunting	<i>Emberiza schoeniclus</i>	bird	3 Count of Confirmed breeding	1998		7



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SJ4182		Skylark	<i>Alauda arvensis</i>	bird	16 Count of Confirmed breeding	2002	Whole 1km square surveyed. Counts not comprehensive.	7
SJ4183		Skylark	<i>Alauda arvensis</i>	bird	15 Count of Confirmed breeding	2002	Whole 1km square surveyed. Counts not comprehensive.	7
SJ48B	Speke Hall	Skylark	<i>Alauda arvensis</i>	bird	12 Count of Confirmed breeding	1998		7
SJ48G	Stockton's Wood	Skylark	<i>Alauda arvensis</i>	bird	5 Count of Confirmed breeding	1998		7
SJ48G		Skylark	<i>Alauda arvensis</i>	bird	4 Count of Confirmed breeding	1998		7
SJ59L	Bold Moss	Skylark	<i>Alauda arvensis</i>	bird	2 Count of Confirmed breeding	1998		7
SJ48B	Speke Hall	Song Thrush	<i>Turdus philomelos</i>	bird	2 Count of Confirmed breeding	1998		7
SJ48C	Allerton, Clarke Gardens	Song Thrush	<i>Turdus philomelos</i>	bird	5 Count of Confirmed breeding	1999		7
SJ48G	Stockton's Wood	Song Thrush	<i>Turdus philomelos</i>	bird	4 Count of Confirmed breeding	1998		7
SJ48H		Song Thrush	<i>Turdus philomelos</i>	bird	1 Count of Confirmed breeding	1997 - 1999		7
SJ59L	Bold Moss	Song Thrush	<i>Turdus philomelos</i>	bird	1 Count of Confirmed breeding	1998		7
SJ48B	Speke Hall	Starling	<i>Sturnus vulgaris</i>	bird	1 Count of Possible breeding	1998		7
SJ48C	Allerton, Clarke Gardens	Starling	<i>Sturnus vulgaris</i>	bird	1 Count of Confirmed breeding	1999		7
SJ48G	Stockton's Wood	Starling	<i>Sturnus vulgaris</i>	bird	1 Count of Confirmed breeding	1998		7
SJ48H		Starling	<i>Sturnus vulgaris</i>	bird	1 Count of Confirmed breeding	1997 - 1999		7
SJ59L	Bold Moss	Starling	<i>Sturnus vulgaris</i>	bird	1 Count of Confirmed breeding	1998		7
SJ48H		Swift	<i>Apus apus</i>	bird	1 Count of Confirmed breeding	1997 - 1999		7
SJ48H		Willow Tit	<i>Poecile montana</i>	bird	1 Count of Confirmed breeding	1997 - 1999		7
SJ59L	Bold Moss	Willow Tit	<i>Poecile montana</i>	bird	1 Count of Confirmed breeding	1998		7
SJ59L	Bold Moss	Yellowhammer	<i>Emberiza citrinella</i>	bird	4 Count of Confirmed breeding	1998		7
SJ4182	Speke & Garston Coastal Nature Reserve	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant		15/05/2007		4
SJ418826	Speke Hall, Stockton's wood, Liverpool	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count	12/05/1981		3

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SJ418826	Speke Hall, woodland	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count	October 1970		3
SJ418826	Speke Hall Liverpool	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count	October 1970		3
SJ422827	Stocktons Wood, Speke Hall	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count	12/05/1981	Found in open areas	3
SJ422827	Stockton's Wood, Speke Hall	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count	June 1981		3
SJ422827	Stockon's Wood, Speke Hall	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count	May 1981 - June 1981		3
SJ422828	Stockton Wood	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count	05/05/1981		3
SJ422828	Stockton's Wood, Speke Hall	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count	05/05/1981		3
SJ422828	Stockton's Wood, Speke Hall	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant		05/05/1981		3
SJ422828	Stockton Wood	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count	May 1981		3
SJ422828	Stockon's Wood	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count	May 1981		3
SJ423827	Stockton's Wood, Speke Hall, Speke	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	locally Count of Frequent	19/06/1995	present	12
SJ423827	Stockton Wood	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	LA DAFOR	27/09/1995		10
SJ424827	Stockton's Wood, Speke	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	4500 Count	29/04/2008	in area 900m2	11
SJ424827	Stockton's Wood, Speke	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1950 Count	29/04/2008	in area 101 m2	11
SJ48B		Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count of Present	1995		6
SJ48B		Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count of Present	1999		6
SJ48B	Speke and Garston Coastal Reserve	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	Present Count	September 2014		1
SJ48C	Allerton	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	O Count of DAFOR	12/04/2014		9
SJ48C		Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count of Present	1997		6
SJ48G		Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count of Present	1995		6
SJ48H		Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count of Present	1995		6
SJ423827	Stockton Wood	Canadian Waterweed	<i>Elodea canadensis</i>	flowering plant	LA DAFOR	27/09/1995		10
SJ48C	Allerton	Corn Spurrey	<i>Spergula arvensis</i>	flowering plant	R Count of DAFOR	12/04/2014		9
SJ422828	Stockton Wood	Hawkweed	<i>Hieracium aggregatum</i>	flowering plant	1 Count	05/05/1981		3
SJ419828	Speke Dams	Indian Balsam	<i>Impatiens glandulifera</i>	flowering plant	LA DAFOR	27/09/1995		10
SJ48C	Allerton	Indian Balsam	<i>Impatiens glandulifera</i>	flowering plant	F Count of DAFOR	12/04/2014		9
SJ415835	Speke Airfield	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant	LA DAFOR	30/08/1995		10

SJ4182	Speke & Garston Coastal Nature Reserve	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant		18/11/2006		4
SJ422828	Stockton's Wood, Speke Hall	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant		05/05/1981		3
SJ422828	Stockton's Wood, Speke Hall	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant	1 Count	05/05/1981		3
SJ422828	Stockton Wood	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant	1 Count	05/05/1981		3
SJ422828	Stockton Wood	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant	1 Count	May 1981		3
SJ422828	Stockon's Wood	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant	1 Count	May 1981		3
SJ4383	Speke	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant	Present Count	18/09/1926		2
SJ48B	Speke and Garston Coastal Reserve	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant	Present Count	September 2014		1
SJ48C	Allerton	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant	R Count of DAFOR	12/04/2014		9
SJ4182	Speke Hall	Large-flowered Hemp-nettle	<i>Galeopsis speciosa</i>	flowering plant	1 Count	01/09/1982-03/09/1982	1 specimen found.	3
SJ4182	Speke Hall Grounds, Liverpool	Large-flowered Hemp-nettle	<i>Galeopsis speciosa</i>	flowering plant		01/09/1982-03/09/1982	One specimen found	3
SJ418826	Speke Hall, Liverpool	Large-flowered Hemp-nettle	<i>Galeopsis speciosa</i>	flowering plant	1 Count	01/09/1982-03/09/1982		3
SJ48C	Site name unavailable	Montbretia	<i>Crocasmia pottsii x aurea = C. x crocosmiiflora</i>	flowering plant	Present Count	31/12/1995		2
SJ48G	Site name unavailable	Montbretia	<i>Crocasmia pottsii x aurea = C. x crocosmiiflora</i>	flowering plant	Present Count	31/12/1995		2
SJ48H	Site name unavailable	Montbretia	<i>Crocasmia pottsii x aurea = C. x crocosmiiflora</i>	flowering plant	Present Count	31/12/1995		2
SJ417858 3562	Speke Estuary Park - ponds at, South Lancashire	New Zealand Pigmyweed	<i>Crassula helmsii</i>	flowering plant	1 Count of Present	16/09/2010		13
SJ4182	Speke & Garston Coastal Nature Reserve	New Zealand Pigmyweed	<i>Crassula helmsii</i>	flowering plant		19/07/2007		4
SJ4183	Garston & Speke Coastal Reserve, South Lancashire	New Zealand Pigmyweed	<i>Crassula helmsii</i>	flowering plant	1 Count of Present	19/07/2007		13
SJ48B	Speke and Garston Coastal Reserve	New Zealand Pigmyweed	<i>Crassula helmsii</i>	flowering plant	Present Count	September 2014		1
SJ48H	Camp Hill Pond, South Lancashire	New Zealand Pigmyweed	<i>Crassula helmsii</i>	flowering plant	1 Count of Present	01/01/1991		13
SJ4182	Speke Hall Grounds, Liverpool	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant		01/09/1982-03/09/1982		3
SJ4182	Speke Hall	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	1 Count	01/09/1982-03/09/1982		3
SJ418826	Speke Hall, Liverpool	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	1 Count	01/09/1982-03/09/1982		3
SJ418826	Speke Hall Liverpool	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	1 Count	October		3

						1970		
SJ418826	Speke Hall, woodland	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	1 Count	October 1970		3
SJ420829	SPEKE HALL, STOCKTON'S WOOD, AND AIRFIELD (EAST)	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant		20/06/2006-19/07/2006		8
SJ422827	Stockton's Wood, Speke Hall	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	1 Count	June 1981	planted	3
SJ422827	Stockton's Wood, Speke Hall	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	1 Count	May 1981 - June 1981		3
SJ422828	Stockton's Wood, Speke Hall	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant		05/05/1981	planted	3
SJ422828	Stockton Wood	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	A DAFOR	05/05/1981	Planted Tree. Planted on north w edge of wood and sporadic stands throughout.	3
SJ422828	Stockton's Wood, Speke Hall	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	D DAFOR	05/05/1981		3
SJ422828	Stockton Wood	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	1 Count	05/05/1981		3
SJ422828	Stockton Wood	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	1 Count	May 1981		3
SJ422828	Stockton's Wood	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	1 Count	May 1981		3
SJ423827	Stockton's Wood, Speke Hall, Speke	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	1 Count of Frequent	19/06/1995	present	12
SJ423827	Stockton Wood	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	F/LA DAFOR	27/09/1995		10
SJ48C	Allerton	Three-cornered Garlic	<i>Allium triquetrum</i>	flowering plant	R Count of DAFOR	12/04/2014		9
SJ423827	Stockton Wood	Water Germander	<i>Teucrium scordium</i>	flowering plant	LF DAFOR	27/09/1995		10
SJ48C	Allerton	Welsh Poppy	<i>Meconopsis cambrica</i>	flowering plant	R Count of DAFOR	12/04/2014		9
SJ417826	Unknown	Adonis' Ladybird	<i>Hippodamia (Adonia) variegata</i>	insect - beetle (Coleoptera)	Present Count	02/06/2010	2 were on plants but not sure what, and 1 was walking on the path	14
SJ4182	Site name unavailable	Anitys rubens	<i>Anitys rubens</i>	insect - beetle (Coleoptera)	Present Count	31/12/1981		2
SJ423828	Site name unavailable	Atomaria (Atomaria) strandi	<i>Atomaria (Atomaria) strandi</i>	insect - beetle (Coleoptera)	Present Count	31/12/1986		2
SJ4182	Site name unavailable	Bradycellus distinctus	<i>Bradycellus distinctus</i>	insect - beetle (Coleoptera)	Present Count	31/12/1986		2
SJ4182	Stockton's Wood	Bradycellus distinctus	<i>Bradycellus distinctus</i>	insect - beetle (Coleoptera)	Present Count	31/12/1986		2
SJ4182	Site name unavailable	Cobweb Beetle	<i>Ctesias serra</i>	insect - beetle (Coleoptera)	Present Count	31/12/1994		2
SJ4182	Site name unavailable	Conopalpus testaceus	<i>Conopalpus testaceus</i>	insect - beetle (Coleoptera)	Present Count	31/12/1994		2
SJ4182	Site name unavailable	Corticaria inconspicua	<i>Corticaria inconspicua</i>	insect - beetle (Coleoptera)	Present Count	31/12/1981		2



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SJ417826	Speke Hall, Liverpool	Cryptophagus (Cryptophagus) ruficornis	<i>Cryptophagus (Cryptophagus) ruficornis</i>	insect - beetle (Coleoptera)	1 Count of Adult	17/01/1990	1 ex in Daldinia fungus on fire damaged birch	15
SJ4182	Site name unavailable	Cryptophagus (Cryptophagus) ruficornis	<i>Cryptophagus (Cryptophagus) ruficornis</i>	insect - beetle (Coleoptera)	Present Count	31/12/1986		2
SJ423828	Site name unavailable	Cryptophagus (Cryptophagus) ruficornis	<i>Cryptophagus (Cryptophagus) ruficornis</i>	insect - beetle (Coleoptera)	Present Count	31/12/1985		2
SJ4182	Site name unavailable	Enicmus fungicola	<i>Enicmus fungicola</i>	insect - beetle (Coleoptera)	Present Count	31/12/1981		2
SJ4182	Site name unavailable	Epuraea (Epuraea) angustula	<i>Epuraea (Epuraea) angustula</i>	insect - beetle (Coleoptera)	Present Count	31/12/1981		2
SJ4182	Site name unavailable	Epuraea (Epuraea) angustula	<i>Epuraea (Epuraea) angustula</i>	insect - beetle (Coleoptera)	Present Count	31/12/1986		2
SJ417826	Speke Hall, Liverpool	Magdalis (Odontomagdalis) carbonaria	<i>Magdalis (Odontomagdalis) carbonaria</i>	insect - beetle (Coleoptera)	1 Count of Adult	June 1991	1 ex resting on bark of fallen Oak bough	15
SJ4182	Site name unavailable	Melasis buprestoides	<i>Melasis buprestoides</i>	insect - beetle (Coleoptera)	Present Count	31/12/1981		2
SJ4182	Site name unavailable	Mycetophagus piceus	<i>Mycetophagus piceus</i>	insect - beetle (Coleoptera)	Present Count	31/12/1981		2
SJ417826	Speke Hall	Mycetophagus quadriguttatus	<i>Mycetophagus quadriguttatus</i>	insect - beetle (Coleoptera)		06/07/1990		15
SJ417826	Speke Hall, Liverpool	Oligota apicata	<i>Oligota apicata</i>	insect - beetle (Coleoptera)		30/03/1992	Several ex in white mould on underside of log	15
SJ4182	Site name unavailable	Oligota apicata	<i>Oligota apicata</i>	insect - beetle (Coleoptera)	Present Count	31/12/1992		2
SJ4182	Site name unavailable	Orchesia micans	<i>Orchesia micans</i>	insect - beetle (Coleoptera)	Present Count	31/12/1981		2
SJ4282	Stocktons Wood, Speke	Orchesia micans	<i>Orchesia micans</i>	insect - beetle (Coleoptera)		08/02/1994		6
SJ417827	Speke Hall, Liverpool	Orthoperus nigrescens	<i>Orthoperus nigrescens</i>	insect - beetle (Coleoptera)	4 Count	08/08/1989	4 on dry fruiting bodies of Pleurotus on large beech log. This is a new record for Lancashire	15
SJ417826	Speke Hall, Liverpool	Oxypoda flavicornis	<i>Oxypoda flavicornis</i>	insect - beetle (Coleoptera)	1 Count of Adult	30/03/1992	1 female ex in rotten yellow leaves	15
SJ4182	Site name unavailable	Oxypoda flavicornis	<i>Oxypoda flavicornis</i>	insect - beetle (Coleoptera)	Present Count	31/12/1992		2
SJ4182	Site name unavailable	Pediacus depressus	<i>Pediacus depressus</i>	insect - beetle (Coleoptera)	Present Count	31/12/1986		2
SJ4182	Site name unavailable	Pterostichus (Bothriopterus) quadrioveolatus	<i>Pterostichus (Bothriopterus) quadrioveolatus</i>	insect - beetle (Coleoptera)	Present Count	31/12/1986		2
SJ4182	Site name unavailable	Rhizophagus (Rhizophagus) nitidulus	<i>Rhizophagus (Rhizophagus) nitidulus</i>	insect - beetle (Coleoptera)	Present Count	31/12/1986		2
SJ4182	Site name unavailable	Scaphidema metallicum	<i>Scaphidema metallicum</i>	insect - beetle (Coleoptera)	Present Count	31/12/1981		2

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SJ418826	Speke Hall	Scaphidema metallicum	<i>Scaphidema metallicum</i>	insect - beetle (Coleoptera)	1 Count	1971		3
SJ4182	Site name unavailable	Silvanus bidentatus	<i>Silvanus bidentatus</i>	insect - beetle (Coleoptera)	Present Count	31/12/1981		2
SJ417826	Speke Hall	Sphindus dubius	<i>Sphindus dubius</i>	insect - beetle (Coleoptera)	2 Count of Adult	17/07/1990	2 ex on slime fungus on fallen Beech	15
SJ4182	Site name unavailable	Sphindus dubius	<i>Sphindus dubius</i>	insect - beetle (Coleoptera)	Present Count	31/12/1994		2
SJ417826	Speke Hall	Synchita humeralis	<i>Synchita humeralis</i>	insect - beetle (Coleoptera)	1 Count of Adult	06/07/1990	1 ex resting on Beech log, papery outer bark peeling off	15
SJ4182	Site name unavailable	Tetratoma desmarestii	<i>Tetratoma desmarestii</i>	insect - beetle (Coleoptera)	Present Count	31/12/1981		2
SJ4182	Speke Hall	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	present Count	13/07/2008		16
SJ4182	Speke Hall	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	Present Count	13/07/2008		2
SJ4182	Speke Hall	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	Present Count	13/07/2008		2
SJ4183	Liverpool Airfield	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	present Count	30/05/2009		16
SJ4183	Liverpool Airfield	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	Present Count	30/05/2009		2
SJ4183	Liverpool Airfield	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	Present Count	30/05/2009		2
SJ419828	Speke Hall	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	6-20 Count of Adult	07/07/1999		16
SJ419828	Speke Hall	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	Present Count	07/07/1999		2
SJ423827	Stockton's Wood	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	1 Count of Total	23/06/2011		16
SJ423827	Stockton's Wood	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	Present Count	23/06/2011		2
SJ4283	Speke Hall	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	Present Count	28/05/2011		2
SJ48H	Halewood Triangle	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	Present Count	2013		16
SJ59L	Bold Moss	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	Present Count	02/06/2010		2
SJ59L	Bold Moss	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	Present Count	02/06/2010		2
SJ59L	Bold Moss	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	60 Count of Total	02/06/2010		16
SJ59L	Bold Moss	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	Present Count	02/06/2010		2

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SJ59L	Bold Moss	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	50 Count of Total	23/06/2010		16
SJ59L	Bold Moss	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Black-tailed Skimmer	<i>Orthetrum cancellatum</i>	insect - dragonfly (Odonata)	6 Count of Total; 6 Count of Male	23/06/2010		16
SJ59L	Bold Moss	Black-tailed Skimmer	<i>Orthetrum cancellatum</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Black-tailed Skimmer	<i>Orthetrum cancellatum</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Black-tailed Skimmer	<i>Orthetrum cancellatum</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ417983 53	South Lancashire, Estuary Park, Hurricane Drive, Speke, Liverpool, Merseyside	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	3 Count of Adult	2012		16
SJ417983 53	Estuary Park, Hurricane Drive, Speke, Liverpool, Merseyside, South Lancashire	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	3 Count of Adult	24/06/2012		17
SJ4182	Speke Hall	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	05/06/2007		2
SJ4182	Speke Hall	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	05/06/2007		2
SJ4182	Speke Hall	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	3 Count of Total	05/06/2007		16
SJ4182	Speke Hall	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	13/07/2008		2
SJ4182	Speke Hall	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	13/07/2008		2
SJ4182	Speke & Garston Coastal Nature Reserve	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)		19/07/2007	Pond 2	4
SJ4183	Estuary Commerce Park, Speke	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	13/07/2008		2
SJ4183	Estuary Commerce Park, Speke	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	13/07/2008		2
SJ4183	Estuary Commerce Park, Speke	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	present Count	13/07/2008		16
SJ4183	Liverpool Airfield	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	23/05/2010		2
SJ4183	Liverpool Airfield	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	23/05/2010		2

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SJ4183	Liverpool Airfield	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	105 Count of Total; Many Present Count of Copulating Pair	23/05/2010		16
SJ4384	Halewood Playing Fields	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	06/07/2008		2
SJ4384	Halewood Playing Fields	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	06/07/2008		2
SJ4384	Halewood Playing Fields	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	12 Count of Total	06/07/2008		16
SJ48B	Speke Coastal Reserve	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	present Count	19/07/2007		16
SJ48B	Speke Coastal Reserve	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	31/05/2010		2
SJ48B	Speke Coastal Reserve	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	present Count	31/05/2010		16
SJ48B	Speke Coastal Reserve	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	31/05/2010		2
SJ48B	Speke Coastal Reserve	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	31/05/2010		2
SJ48B	Speke and Garston Coastal Reserve	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	September 2014	Pond 2	1
SJ48H	Halewood Triangle	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	2013		16
SJ5493	Colliers Moss, St Helens	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	17/07/2001		2
SJ5493	Colliers Moss, St Helens	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	1 Count of Adult	17/07/2001		16
SJ59L	Bold Power Station	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	present Count	01/06/1988		16
SJ59L	Bold Moss	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	02/06/2010		2
SJ59L	Bold Moss	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	02/06/2010		2
SJ59L	Bold Moss	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	02/06/2010		2
SJ59L	Bold Moss	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	20 Count of Total	02/06/2010		16
SJ59L	Bold Power Station	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	present Count	11/08/2004		16
SJ59L	Bold Moss	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	10 Count of Total	23/06/2010		16
SJ59L	Bold Moss	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2



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SJ59L	Bold Moss	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ4182	Speke Hall	Broad-bodied Chaser	<i>Libellula depressa</i>	insect - dragonfly (Odonata)	1 Count of Total	05/06/2007		16
SJ4182	Speke Hall	Broad-bodied Chaser	<i>Libellula depressa</i>	insect - dragonfly (Odonata)	Present Count	05/06/2007		2
SJ4182	Speke Hall	Broad-bodied Chaser	<i>Libellula depressa</i>	insect - dragonfly (Odonata)	Present Count	05/06/2007		2
SJ4182	Speke & Garston Coastal Nature Reserve	Broad-bodied Chaser	<i>Libellula depressa</i>	insect - dragonfly (Odonata)		09/08/2007	Pond 2	4
SJ48B	Speke Coastal Reserve	Broad-bodied Chaser	<i>Libellula depressa</i>	insect - dragonfly (Odonata)	present Count	09/08/2007		16
SJ48B	Speke Coastal Reserve	Broad-bodied Chaser	<i>Libellula depressa</i>	insect - dragonfly (Odonata)	Present Count	31/05/2010		2
SJ48B	Speke Coastal Reserve	Broad-bodied Chaser	<i>Libellula depressa</i>	insect - dragonfly (Odonata)	present Count	31/05/2010		16
SJ48B	Speke Coastal Reserve	Broad-bodied Chaser	<i>Libellula depressa</i>	insect - dragonfly (Odonata)	Present Count	31/05/2010		2
SJ48B	Speke Coastal Reserve	Broad-bodied Chaser	<i>Libellula depressa</i>	insect - dragonfly (Odonata)	Present Count	31/05/2010		2
SJ48B	Speke and Garston Coastal Reserve	Broad-bodied Chaser	<i>Libellula depressa</i>	insect - dragonfly (Odonata)	Present Count	September 2014	Pond 2	1
SJ59L	Bold Moss	Broad-bodied Chaser	<i>Libellula depressa</i>	insect - dragonfly (Odonata)	3 Count of Total; 3 Count of Male	02/06/2010		16
SJ59L	Bold Moss	Broad-bodied Chaser	<i>Libellula depressa</i>	insect - dragonfly (Odonata)	Present Count	02/06/2010		2
SJ59L	Bold Moss	Broad-bodied Chaser	<i>Libellula depressa</i>	insect - dragonfly (Odonata)	Present Count	02/06/2010		2
SJ59L	Bold Moss	Broad-bodied Chaser	<i>Libellula depressa</i>	insect - dragonfly (Odonata)	Present Count	02/06/2010		2
SJ4182	Speke Hall	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	1 Count	01/09/1982-03/09/1982	Observed at Speke Dam	3
SJ4182	Speke Hall Grounds, Liverpool	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)		01/09/1982-03/09/1982	observed at the Speke Dam	3
SJ4182	Speke Hall	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	Present Count	27/09/2008		2
SJ4182	Speke Hall	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	Present Count	27/09/2008		2
SJ4182	Speke Hall	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	2 Count of Total	27/09/2008		16
SJ4183	Liverpool Airfield	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	Present Count	02/08/2010		2

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SJ4183	Liverpool Airfield	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	Present Count	02/08/2010		2
SJ4183	Liverpool Airfield	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	1 Count of Total	02/08/2010		16
SJ418826	Speke Hall Liverpool	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	1 Count	01/09/1982- 03/09/1982		3
SJ419828	Speke Hall	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	Present Count	07/07/1999		2
SJ419828	Speke Hall	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	1 Count of Adult	07/07/1999		16
SJ419846	Speke	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	Present Count	06/08/1986		2
SJ419846	Speke	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	1 Count of Present	06/08/1986		16
SJ419846	Speke	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	Present Count	06/08/1986		2
SJ4383	Pickerings Pasture	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	Present Count	04/08/1996		2
SJ48B	Speke Hall	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	present Count	01/09/1982		16
SJ48B	Speke Hall	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	present Count	01/09/1985		16
SJ48B	Speke Coastal Reserve	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	Present Count	04/09/2010		2
SJ48B	Speke Coastal Reserve	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	5 Count of Total	04/09/2010		16
SJ48B	Speke Coastal Reserve	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	Present Count	04/09/2010		2
SJ48B	Speke Coastal Reserve	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	Present Count	04/09/2010		2
SJ48H	Halewood Triangle	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	Present Count	2012		16
SJ59L	Bold Power Station	Brown Hawker	<i>Aeshna grandis</i>	insect - dragonfly (Odonata)	1 Count of Total	11/08/2004		16
SJ5493	Colliers Moss, St Helens	Common Blue Damselfly	<i>Enallagma cyathigerum</i>	insect - dragonfly (Odonata)	Present Count	17/07/2001		2
SJ5493	Colliers Moss, St Helens	Common Blue Damselfly	<i>Enallagma cyathigerum</i>	insect - dragonfly (Odonata)	1 Count of Adult	17/07/2001		16
SJ59L	Bold Power Station	Common Blue Damselfly	<i>Enallagma cyathigerum</i>	insect - dragonfly (Odonata)	present Count	01/06/1988		16
SJ4182	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	6 Count of Total	10/09/2007		16
SJ4182	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	10/09/2007		2

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SJ4182	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	10/09/2007		2
SJ4182	Speke & Garston Coastal Nature Reserve	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)		19/07/2007	Mainly teneral.	4
SJ4182	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	24/10/2009		2
SJ4182	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	24/10/2009		2
SJ4182	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	1 Count of Total	24/10/2009		16
SJ4182	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	10 Count of Total	27/09/2008		16
SJ4182	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	27/09/2008		2
SJ4182	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	27/09/2008		2
SJ4183	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	07/08/2009		2
SJ4183	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	07/08/2009		2
SJ419828	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	07/07/1999		2
SJ419828	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	6-20 Count of Adult	07/07/1999		16
SJ4282	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	05/08/2009		2
SJ4282	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	05/08/2009		2
SJ4283	Speke	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	2 Count of Total	12/10/2006		16
SJ4283	Speke	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	12/10/2006		2
SJ4283	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	27/09/2008		2
SJ4283	Speke Hall	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	27/09/2008		2
SJ48B	Speke Coastal Reserve	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	04/09/2010		2
SJ48B	Speke Coastal Reserve	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	04/09/2010		2
SJ48B	Speke Coastal Reserve	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	04/09/2010		2
SJ48B	Speke Coastal Reserve	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	10 Count of Total	04/09/2010		16

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SJ48B	Speke Coastal Reserve	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count of Teneral; present Count	19/07/2007		16
SJ48B	Speke Coastal Reserve	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	present Count	31/05/2010		16
SJ48B	Speke Coastal Reserve	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	31/05/2010		2
SJ48B	Speke Coastal Reserve	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	31/05/2010		2
SJ48B	Speke Coastal Reserve	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	31/05/2010		2
SJ48B	Speke and Garston Coastal Reserve	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count of Confirmed breeding	September 2014	Mainly teneral	1
SJ48H	Halewood Triangle	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	2013		16
SJ5493	Colliers Moss, St Helens	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	10 Count of Adult	17/07/2001		16
SJ5493	Colliers Moss, St Helens	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	17/07/2001		2
SJ59L	Bold Power Station	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	present Count	01/06/1988		16
SJ59L	Bold Moss	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	6 Count of Total	23/06/2010		16
SJ59L	Bold Moss	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ4182	Speke Hall	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	05/06/2007		2
SJ4182	Speke Hall	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	05/06/2007		2
SJ4182	Speke Hall	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	11/06/2007		2
SJ4182	Speke Hall	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	11/06/2007		2
SJ4182	Speke Hall	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	1 Count of Total	11/06/2007		16
SJ4182	Garston Shore	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	1 Count of Total	13/07/2008		16
SJ4182	Speke Hall	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	13/07/2008		2
SJ4182	Speke Hall	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	13/07/2008		2



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SJ4182	Garston Shore	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	13/07/2008		2
SJ4182	Garston Shore	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	13/07/2008		2
SJ4182	Speke & Garston Coastal Nature Reserve	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)		19/07/2007	Several ovipositing.	4
SJ4182	Speke Hall	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	23/06/2007		2
SJ4182	Speke Hall	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	23/06/2007		2
SJ4182	Speke Hall	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	27/09/2008		2
SJ4182	Speke Hall	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	27/09/2008		2
SJ4182	Speke Hall	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	2 Count of Total	27/09/2008		16
SJ4183	Liverpool Airfield	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	02/08/2010		2
SJ4183	Liverpool Airfield	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	02/08/2010		2
SJ4183	Liverpool Airfield	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	3 Count of Total	02/08/2010		16
SJ4183	Liverpool Airfield	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	1 Count of Total	23/06/2007		16
SJ4183	Liverpool Airfield	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	23/06/2007		2
SJ4183	Liverpool Airfield	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	23/06/2007		2
SJ4183	Liverpool Airfield	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ4183	Liverpool Airfield	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ4183	Liverpool Airfield	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	1 Count of Total	23/06/2010		16
SJ423827	Stockton's Wood	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	23/06/2011		2
SJ423827	Stockton's Wood	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	1 Count of Male; 1 Count of Total	23/06/2011		16
SJ4282	Speke Hall	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	11/06/2007		2
SJ4282	Speke Hall	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	11/06/2007		2
SJ4384	Halewood Playing Fields	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	06/07/2008		2

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SJ4384	Halewood Playing Fields	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	06/07/2008		2
SJ4384	Halewood Playing Fields	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	2 Count of Total	06/07/2008		16
SJ48B	Speke Coastal Reserve	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Several Count of ovipositing; Several Count of Total	19/07/2007		16
SJ48B	Speke and Garston Coastal Reserve	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count of Confirmed breeding	September 2014	Several ovipositing	1
SJ48H	Halewood Triangle	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Male Count	2013		16
SJ59L	Bold Moss	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	12 Count of Total; 12 Count of Male	23/06/2010		16
SJ59L	Bold Moss	Four-spotted Chaser	<i>Libellula quadrimaculata</i>	insect - dragonfly (Odonata)	Present Count	02/06/2010		2
SJ59L	Bold Moss	Four-spotted Chaser	<i>Libellula quadrimaculata</i>	insect - dragonfly (Odonata)	Present Count	02/06/2010		2
SJ59L	Bold Moss	Four-spotted Chaser	<i>Libellula quadrimaculata</i>	insect - dragonfly (Odonata)	Present Count	02/06/2010		2
SJ59L	Bold Moss	Four-spotted Chaser	<i>Libellula quadrimaculata</i>	insect - dragonfly (Odonata)	16 Count of Total	02/06/2010		16
SJ59L	Bold Moss	Four-spotted Chaser	<i>Libellula quadrimaculata</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Four-spotted Chaser	<i>Libellula quadrimaculata</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Four-spotted Chaser	<i>Libellula quadrimaculata</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Four-spotted Chaser	<i>Libellula quadrimaculata</i>	insect - dragonfly (Odonata)	20 Count of Total	23/06/2010		16
SJ59L	Bold Moss	Large Red Damselfly	<i>Pyrrhosoma nymphula</i>	insect - dragonfly (Odonata)	40 Count of Total	02/06/2010		16
SJ59L	Bold Moss	Large Red Damselfly	<i>Pyrrhosoma nymphula</i>	insect - dragonfly (Odonata)	Present Count	02/06/2010		2
SJ59L	Bold Moss	Large Red Damselfly	<i>Pyrrhosoma nymphula</i>	insect - dragonfly (Odonata)	Present Count	02/06/2010		2
SJ59L	Bold Moss	Large Red Damselfly	<i>Pyrrhosoma nymphula</i>	insect - dragonfly (Odonata)	Present Count	02/06/2010		2

SJ59L	Bold Moss	Large Red Damselfly	<i>Pyrrhosoma nymphula</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Large Red Damselfly	<i>Pyrrhosoma nymphula</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Large Red Damselfly	<i>Pyrrhosoma nymphula</i>	insect - dragonfly (Odonata)	Present Count	23/06/2010		2
SJ59L	Bold Moss	Large Red Damselfly	<i>Pyrrhosoma nymphula</i>	insect - dragonfly (Odonata)	3 Count of Total	23/06/2010		16
SJ4182	Speke Hall	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	1 Count	01/09/1982-03/09/1982	Observed at Speke Dam	3
SJ4182	Speke Hall Grounds, Liverpool	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)		01/09/1982-03/09/1982	observed at the Speke Dam	3
SJ418826	Speke Hall Liverpool	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	1 Count	01/09/1982-03/09/1982		3
SJ418826	Speke Hall	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	1 Count of Present	06/07/1951		12
SJ418826	Speke Hall	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	1 Count of Present	1952		16
SJ418826	Speke Hall	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)		1961		3
SJ4282	Stockton's Wood	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	Present Count	10/08/2010		2
SJ4282	Stockton's Wood	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	Present Count	10/08/2010		2
SJ4282	Stockton's Wood	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	1 Count of Total	10/08/2010		16
SJ4282	Stockton's Wood	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	1 Count of Total	13/07/2008		16
SJ4282	Stockton's Wood	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	Present Count	13/07/2008		2
SJ4282	Stockton's Wood	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	Present Count	13/07/2008		2
SJ4283	Speke	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)		1940 - 1960		3
SJ4283	Speke, Lancashire	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)		1960		3
SJ4383	Speke	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	1 Count of Present	01/01/1951		16
SJ4383	Speke	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	Present Count	31/12/1951		2
SJ4383	Speke	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	Present Count	31/12/1951		2
SJ48B	Speke Hall	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	present Count	01/09/1982		16

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SJ48B	Speke Hall	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	present Count	01/09/1985		16
SJ48B	Speke Coastal Reserve	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	Present Count	04/09/2010		2
SJ48B	Speke Coastal Reserve	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	5 Count of Total	04/09/2010		16
SJ48B	Speke Coastal Reserve	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	Present Count	04/09/2010		2
SJ48B	Speke Coastal Reserve	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	Present Count	04/09/2010		2
SJ5493	Colliers Moss, St Helens	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	1 Count of Adult	17/07/2001		16
SJ5493	Colliers Moss, St Helens	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)	Present Count	17/07/2001		2
SJ4182	Site name unavailable	<i>Stegana coleoprata</i>	<i>Stegana coleoprata</i>	insect - true fly (Diptera)	Present Count	31/12/1994		2
SJ4182	Site name unavailable	<i>Suillia dumicola</i>	<i>Suillia dumicola</i>	insect - true fly (Diptera)	Present Count	31/12/1994		2
SJ59L	Sutton Moss	Flexuous Bog-moss	<i>Sphagnum flexuosum</i>	moss	Present Count	31/12/1995		2
SJ48G	Speke Hall	Marsh Thyme-moss	<i>Plagiomnium ellipticum</i>	moss	Present Count	24/11/1999		2
SJ4383	Speke	Common Lizard	<i>Zootoca vivipara</i>	reptile	Present Count	31/12/1959		2
SJ4182	Speke Hall	Bats	<i>Chiroptera</i>	terrestrial mammal	1 Count	15/06/1990	Female baby, Attached to a dead female.	20
SJ419826	Merseyside,Liverpool,Speke Hall	Bats	<i>Chiroptera</i>	terrestrial mammal	P Count of Roost	07/08/1994	Tudor Half Timbered house built in 1430,sample of large droppings from the attic.droppings below main roost appear small.bats heard but not seen	21
SJ419826	Speke, Speke Hall	Bats	<i>Chiroptera</i>	terrestrial mammal	present Count of Roosting	07/08/1994		22
SJ413833	Off DeHavilland Drive, Liverpool	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	6 Count	06/05/2011	Urban area; 6 or more hares, different ages, on sheltered, grassy wasteland and carparks in newly built commerce park area.; alive	23
SJ416833	Estury Buisness Park, Speke, Liverpool	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	3 Count	16/05/2013		23
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	01/06/2008		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	04/05/2008		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	05/04/2009		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial	Present Count	06/04/2008		2

				mammal				
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	06/05/2007		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	08/04/2007		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	10/05/2009		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	11/05/2008		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	13/05/2007		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	14/06/2009		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	15/04/2007		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	17/06/2007		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	18/05/2008		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	20/04/2008		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	20/05/2007		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	22/04/2007		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	25/05/2008		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	27/05/2007		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	28/06/2009		2
SJ416837	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	29/04/2007		2
SJ4182	large bank with undergrowth in speke hall	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		01/09/1982	sight	19
SJ4182	speke airport	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		07/02/1973	many sighted, protected	19
SJ4182	runway in liverpool airport	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		08/07/1983	live one seen	19
SJ4182	speke airport	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		1977	sight	19
SJ4182		Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	1 Count of Adult	2002	Whole 1km square surveyed. Counts not comprehensive.	7



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SJ4182	speke airport/banks lane	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		30/05/1980	several seen	19
SJ4183	speke airport	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		07/02/1973	many sighted, protected	19
SJ4183	Estury Buisness Park, Speke, Liverpool	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	2 Count	09/05/2013		23
SJ4183	speke airport, airfield, shoreline, farmland, woodland	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		1975	small groups seen on airfield in march, singles rest of the year	19
SJ418826	Speke Hall	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	1 Count	1971		3
SJ420835	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	04/06/2006		2
SJ420835	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	07/05/2006		2
SJ420835	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	09/04/2006		2
SJ420835	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	11/06/2006		2
SJ420835	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	16/04/2006		2
SJ420835	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	18/06/2006		2
SJ420835	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	20/06/2010		2
SJ420835	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	21/05/2006		2
SJ420835	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	23/04/2006		2
SJ420835	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	25/06/2006		2
SJ420835	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	28/05/2006		2
SJ420835	Site name unavailable	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	Present Count	30/04/2006		2
SJ4282	speke airport	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		07/02/1973	many seen, protected	19
SJ4282	runway, liverpool airport	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		08/07/1983	live one seen	19
SJ4282	speke airport/speke hall	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		30/05/1980	sight on the taxi lane, back of speke hall, inside runway	19
SJ4283	liverpool airport	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		03/09/1981	3 seen, RSPB liverpool group	19

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SJ4283	speke airport	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		10/07/1974	5 seen	19
SJ4382	speke airport	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		07/02/1973	sight	19
SJ48B		Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	1 Count of Present	1998		6
SJ48G		Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	1 Count of Present	1998		6
SJ4282	Speke Hall, South Lancashire	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	1 Count of Present	23/03/2010		24
SJ4282	Speke Hall	Eurasian Badger	<i>Meles meles</i>	terrestrial mammal	Present Sett	01/06/2014	Active Badger sett containing at least 9 entrances (more could have been hidden within bramble scrub), latrines, tracks, well worn pathways. on the western side of Speke Dams (fishing lakes within Speke Hall NT).	25
SJ59L	Site name unavailable	Long-eared Bat species	<i>Plecotus</i>	terrestrial mammal	Present Count	31/12/1991		2
SJ5493	bold moss	Noctule Bat	<i>Nyctalus noctula</i>	terrestrial mammal	3 Count of in flight	02/08/2007		21
SJ5493	Douglas Avenue, Bold	Noctule Bat	<i>Nyctalus noctula</i>	terrestrial mammal	4 Count of in Count of in flight	12/09/2007		12
SJ5493	bold moss	Noctule Bat	<i>Nyctalus noctula</i>	terrestrial mammal	4 Count of in flight	12/09/2007		21
SJ5493	bold moss	Noctule Bat	<i>Nyctalus noctula</i>	terrestrial mammal	2 Count of in flight	14/07/2007		21
SJ5493	bold moss	Noctule Bat	<i>Nyctalus noctula</i>	terrestrial mammal	7 Count of in flight	19/07/2007		21
SJ5493	bold moss	Noctule Bat	<i>Nyctalus noctula</i>	terrestrial mammal	4 Count of in flight	26/08/2007		21
SJ5493	bold moss	Noctule Bat	<i>Nyctalus noctula</i>	terrestrial mammal	1 Count of in flight	29/09/2007		21
SJ4182	Speke, Speke Hall	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	1 Count of Roosting	16/06/1990		22
SJ4182	Merseyside, Liverpool, Speke, Speke Hall, Courtyard	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	1 Count of dead	16/06/1990	Dead female found with live baby attached, passed the F. Angwin to be hand reared, died 2.7.90.	21
SJ419826	Speke Hall	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	P Count of Roost	07/08/1994	Droppings on wall below main roost. Bats heard using bat detector but not seen	22
SJ5493	bold moss	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	6 Count of in flight	02/08/2007		21
SJ5493	bold moss	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	6 Count of in flight	12/09/2007		21

SJ5493	Douglas Avenue, Bold	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	4 Count of in flight	14/07/2007		12
SJ5493	bold moss	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	4 Count of in flight	14/07/2007		21
SJ5493	bold moss	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	7 Count of in flight	19/07/2007		21
SJ5493	bold moss	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	5 Count of in flight	26/08/2007		21
SJ5493	bold moss	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	2 Count of in flight	29/09/2007		21
SJ5493	bold moss	Unidentified Bat	<i>Myotis</i>	terrestrial mammal	1 Count of in flight	12/09/2007		21
SJ5493	Douglas Avenue, Bold	Unidentified Bat	<i>Myotis</i>	terrestrial mammal	2 Count of in flight	14/07/2007		12
SJ5493	bold moss	Unidentified Bat	<i>Myotis</i>	terrestrial mammal	2 Count of in flight	14/07/2007		21
SJ5493	Douglas Avenue, Bold	Unidentified Bat	<i>Myotis</i>	terrestrial mammal	0 Count of in flight	19/07/2007		12
SJ5493	bold moss	Unidentified Bat	<i>Myotis</i>	terrestrial mammal	3 Count of in flight	26/08/2007		21
SJ5493	bold moss	Unidentified Bat	<i>Myotis</i>	terrestrial mammal	1 Count of in flight	29/09/2007		21
SJ416837	Site name unavailable	West European Hedgehog	<i>Erinaceus europaeus</i>	terrestrial mammal	Present Count	01/07/2007		2

The following **NEGATIVE RECORDS** were found within the search area. Negative records show where particular species were actively searched for but no evidence of them was found. Negative records do not prove absence. Negative records may be contradicted by positive records. The source for all negative records in the Merseyside BioBank database.

GridRef	Location Name	Common Name	Scientific Name	Group	Abundance or Status	Date	Comment	Source
SJ5493	bold moss	Unidentified Bat	<i>Myotis</i>	terrestrial mammal	0 Count of in flight	19/07/2007		21

Data sources/providers for the records in the table(s) above are given below. For records that are sourced from Merseyside BioBank's database, the type is 'BioBank' and the name of the dataset is given. For records that are sourced from the NBN Gateway, the type is 'NBN' and the name of the data provider is given.

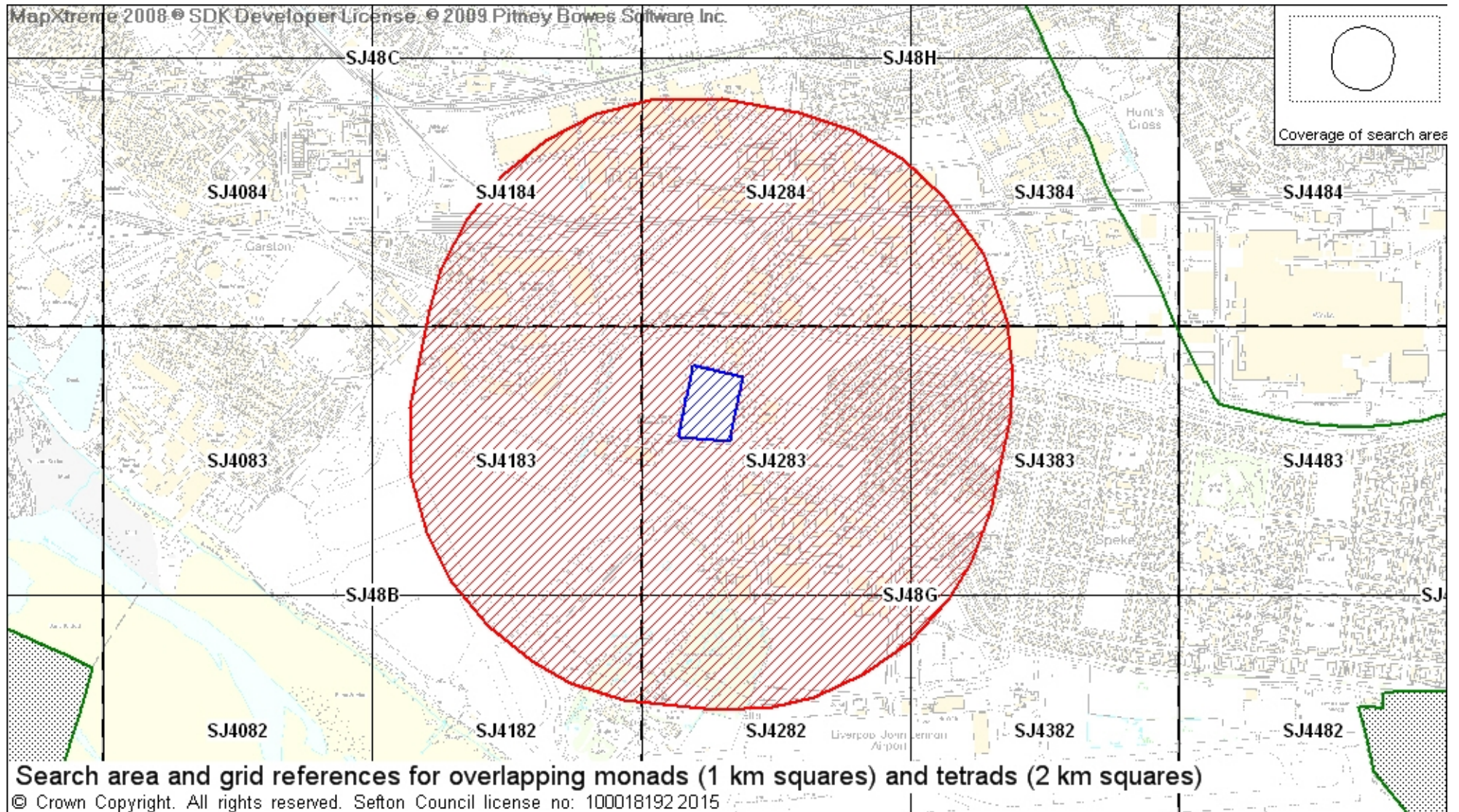
Source key	Dataset or data provider	Type
1	Peter Tipping General	BioBank
2	NBN Gateway	BioBank
3	Liverpool Musuem	BioBank
4	Peter Tipping Speke & Garston Coastal Nature Reserve	BioBank
5	Peter Tipping Triturus	BioBank
6	Lancashire Wildlife Trust Dataset	BioBank
7	BIRDS - LCFS Records	BioBank
8	Liverpool Space for Nature Report	BioBank
9	Liverpool Botanical Society	BioBank
10	Phase 1 surveys 1995	BioBank
11	Ad hoc 2010	BioBank
12	Cheshire rECOrd Overlap	BioBank
13	Dave Earl Crassula helmsii	BioBank
14	iRecord Data General	BioBank
15	Tom Eccles Notebooks	BioBank
16	Lancashire and Cheshire Fauna Society Odonata	BioBank
17	RODIS General Steve McWilliam	BioBank
18	Lancashire Moth Group macro-moths	BioBank
19	Mammal Society	BioBank
20	Louise Wisniewski Bats	BioBank
21	Merseyside & West Lancs Bat Group	BioBank
22	Liverpool Museum Bats	BioBank
23	Brown Hare website brownhare.org.uk	BioBank
24	Dave Earl Mammals to May 2010	BioBank
25	MBB Online - General	BioBank

## **Appendix 3: Maps**

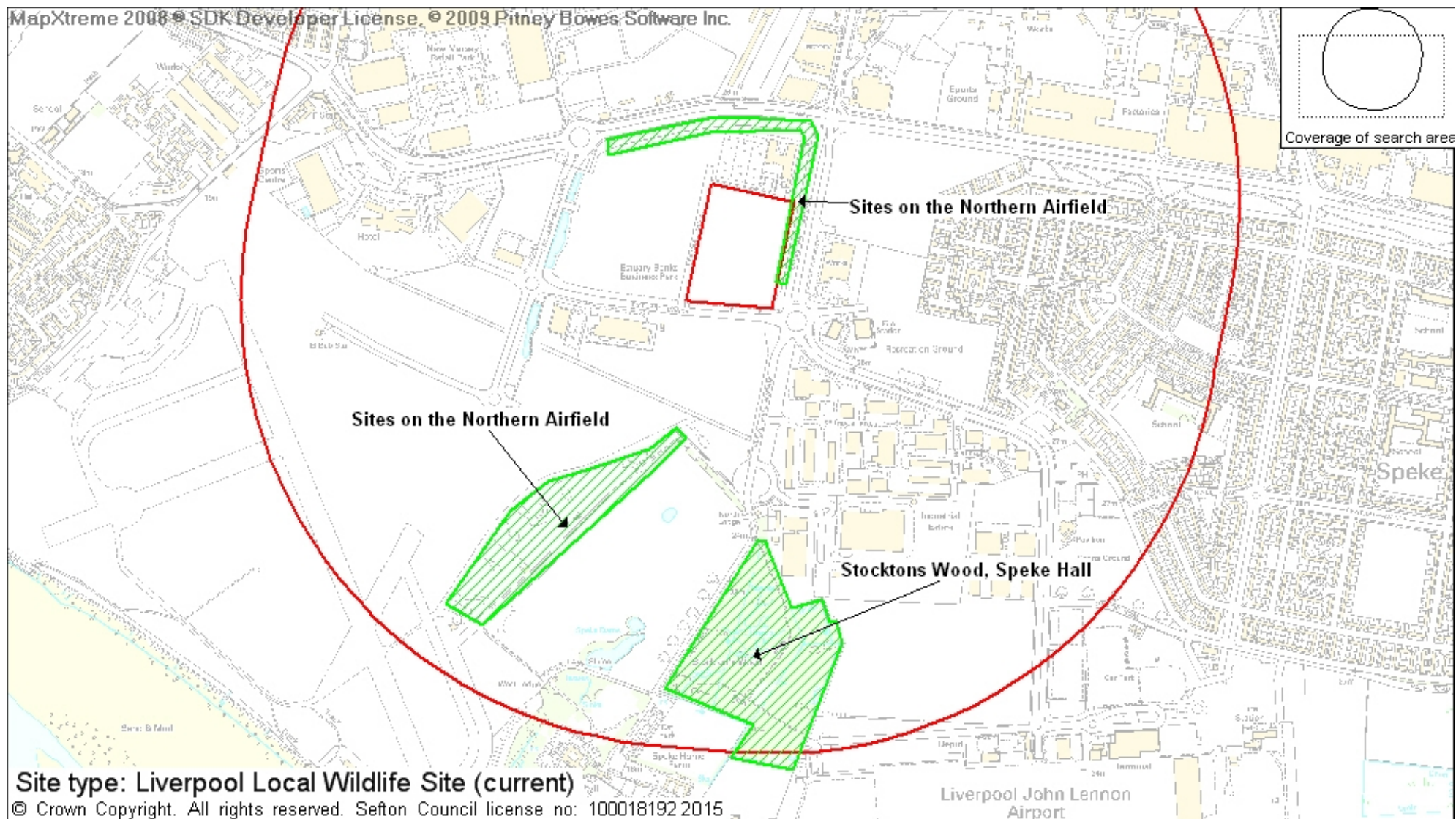
The following page(s) include maps to illustrate some of the results of your data request. They should be viewed in the context of the results supplied in the main body of the report.

The Ordnance Survey mapping included in the maps provided by Merseyside BioBank under Sefton Council's licence from Ordnance Survey. These maps are provided to assist decision-makers in the effective and sustainable management of land, species and habitats. Ordnance Survey should be contacted directly if any of these maps are to be used in another document.

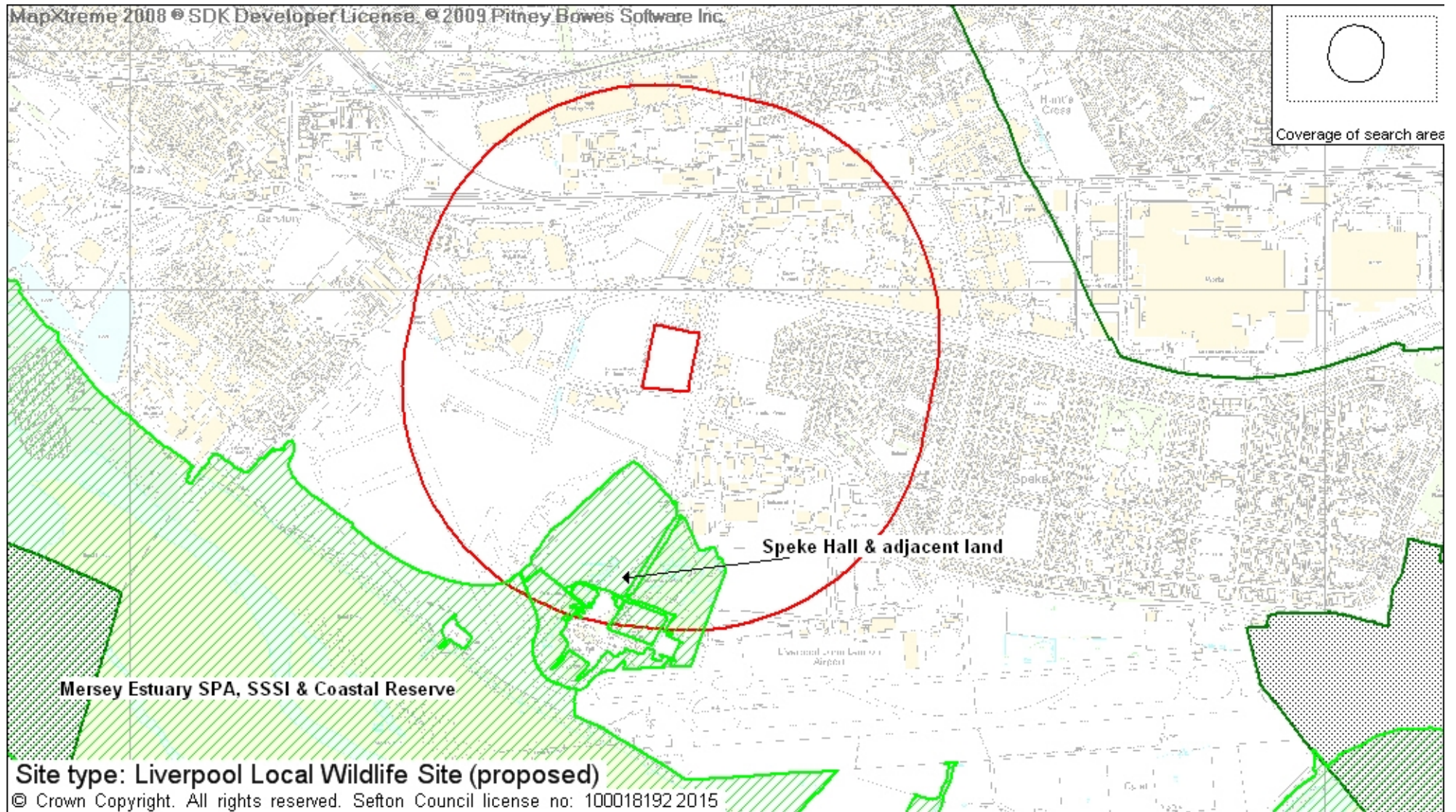














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