

Biodiversity Information Report 17/08/2015

MBB reference: 1635-EcologyServices

**Site: St Gabriels Convent on Beaconsfield
Road**

Your Ref: 15594
Your contact: Peter Bonney

MBB Ref: 1635-EcologyServices
MBB Contact: Ben Deed

Date: 17/08/2015

Merseyside BioBank biodiversity information report

These are the results of your data request relating to **an area at St Gabriels Convent on Beaconsfield Road defined by a buffer of 1000 metres around the centre of grid reference SJ4183687544.**

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>	11	1988-2015	WCA5/9.5a,WCA5/9.5b
	Great Crested Newt	<i>Triturus cristatus</i>	22	1994-2008	HabRegs2,WCA5/9.4b,WCA5/9.5a,WC A5/9.5b,WCA5/9.4c
	Smooth Newt	<i>Lissotriton vulgaris</i>	15	1998-2009	WCA5/9.5a,WCA5/9.5b
bird	Barn Owl	<i>Tyto alba</i>	1	1998	WCA1i
flowering plant	Bluebell	<i>Hyacinthoides non-scripta</i>	15	1978-2015	WCA8
	Water Germander	<i>Teucrium scordium</i>	1	1995	WCA8
terrestrial mammal	Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	5	1980-2015	HabRegs2,WCA5/9.4b,WCA5/9.5a,WC A5/9.5b,WCA5/9.4c
	Daubenton's Bat	<i>Myotis daubentonii</i>	2	2002-2012	HabRegs2,WCA5/9.4b,WCA5/9.5a,WC A5/9.5b,WCA5/9.4c
	Eurasian Badger	<i>Meles meles</i>	3	1935-2015	PBA
	Eurasian Red Squirrel	<i>Sciurus vulgaris</i>	3	1933-2008	WCA5/9.1kI,WCA5/9.1t,WCA5/9.2,WC A5/9.4.a,WCA5/9.4b,WCA5/9.5a
	Noctule Bat	<i>Nyctalus noctula</i>	5	1986-2009	HabRegs2,WCA5/9.4b,WCA5/9.5a,WC A5/9.5b,WCA5/9.4c
	Pipistrelle Bat species	<i>Pipistrellus</i>	21	1980-2011	HabRegs2,WCA5/9.4b,WCA5/9.5a,WC A5/9.5b,WCA5/9.4c
	Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	1	2009	HabRegs2,WCA5/9.4b,WCA5/9.5a,WC A5/9.5b,WCA5/9.4c
	Unidentified Bat	<i>Myotis</i>	2	2009-2015	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).
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.
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.
WCA5/9.1t	Wildlife and Countryside Act 1981 (Schedule 5 Section 9.1 (taking))	Section 9.1 Animals which are protected from taking.
WCA5/9.2	Wildlife and Countryside Act 1981 (Schedule 5 Section 9.2)	Section 9.2 Animals which are protected from being possessed or controlled (live or dead).
WCA5/9.4.a	Wildlife and Countryside Act 1981 (Schedule 5 Section 9.4, subdivision a)	Section 9.4 subdivision a - Animals which are protected from intentional damage or destruction to any structure or place used for shelter or protection.

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>	22	1994-2008	LBAP
bird	Grey Partridge	<i>Perdix perdix</i>	1	1998	LBAP
	House Martin	<i>Delichon urbicum</i>	3	1998-1999	LBAP
	House Sparrow	<i>Passer domesticus</i>	15	1998-2001	LBAP
	Lapwing	<i>Vanellus vanellus</i>	1	1998	LBAP
	Skylark	<i>Alauda arvensis</i>	2	1998	LBAP
	Song Thrush	<i>Turdus philomelos</i>	4	1998-1999	LBAP
	Starling	<i>Sturnus vulgaris</i>	4	1998-1999	LBAP
	Swift	<i>Apus apus</i>	4	1998-1999	LBAP
flowering plant	Bluebell	<i>Hyacinthoides non-scripta</i>	15	1978-2015	LBAP
insect - dragonfly (Odonata)	Azure Damselfly	<i>Coenagrion puella</i>	1	1998	LBAP
	Blue-tailed Damselfly	<i>Ischnura elegans</i>	2	1998-2007	LBAP
	Common Darter	<i>Sympetrum striolatum</i>	1	2007	LBAP
	Emerald Damselfly	<i>Lestes sponsa</i>	2	1994	LBAP
	Emperor Dragonfly	<i>Anax imperator</i>	3	2007-2008	LBAP
	Four-spotted Chaser	<i>Libellula quadrimaculata</i>	1	1998	LBAP

	Southern Hawker	<i>Aeshna cyanea</i>	3	1940-1993	LBAP
terrestrial mammal	Bats	<i>Chiroptera</i>	8	1981-2012	LBAP
	Brown Hare	<i>Lepus europaeus</i>	5	1962-1998	LBAP
	Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	5	1980-2015	LBAP
	Daubenton's Bat	<i>Myotis daubentonii</i>	2	2002-2012	LBAP
	Eurasian Red Squirrel	<i>Sciurus vulgaris</i>	3	1933-2008	LBAP
	Noctule Bat	<i>Nyctalus noctula</i>	5	1986-2009	LBAP
	Pipistrelle Bat species	<i>Pipistrellus</i>	21	1980-2011	LBAP
	Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	1	2009	LBAP
	Unidentified Bat	<i>Myotis</i>	2	2009-2015	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: 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 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*; *Ischnura elegans*; *Sympetrum striolatum*; *Lestes sponsa*; *Anax imperator*; *Libellula quadrimaculata*; *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: 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 (*Pipistrellus pipistrellus*; *Myotis daubentonii*; *Nyctalus noctula*; *Pipistrellus pygmaeus*)

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.

NM BAP species: Red Squirrel (*Sciurus vulgaris*)

Over the last 100 years the UK range Red Squirrel has contracted massively. In most areas the species of Britain it has vanished and most populations are now restricted to areas of Scotland and North England. North Merseyside has a relatively stable population on the Sefton Coast with small numbers across Knowsley and St Helens.

Threats include the Grey Squirrel which carries the squirrel pox virus that appears to have been the main cause of the red squirrel decline in Britain. In addition the fragmentation of woodland has reduced suitable habitat and increased road mortality as individuals try to move between pockets of habitats. Locally, over-maturation of trees will soon greatly reduce the Red Squirrels food source.

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>	22	1994-2008	Sect.41
bird	Bullfinch	<i>Pyrrhula pyrrhula</i>	2	1998	Sect.41.suppl
	Dunnock	<i>Prunella modularis</i>	4	1998-1999	Sect.41.suppl
	Grey Partridge	<i>Perdix perdix</i>	1	1998	Sect.41
	House Sparrow	<i>Passer domesticus</i>	15	1998-2001	Sect.41
	Lapwing	<i>Vanellus vanellus</i>	1	1998	Sect.41
	Lesser Spotted Woodpecker	<i>Dendrocopos minor</i>	1	1997	Sect.41.suppl
	Linnet	<i>Linaria cannabina</i>	2	1998	Sect.41.suppl
	Reed Bunting	<i>Emberiza schoeniclus</i>	1	1998	Sect.41
	Skylark	<i>Alauda arvensis</i>	2	1998	Sect.41,Sect.41.suppl
	Song Thrush	<i>Turdus philomelos</i>	4	1998-1999	Sect.41.suppl
	Starling	<i>Sturnus vulgaris</i>	4	1998-1999	Sect.41.suppl

	Tree Sparrow	<i>Passer montanus</i>	1	1998	Sect.41
	Willow Tit	<i>Poecile montana</i>	1	1998	Sect.41.suppl
fern	Pillwort	<i>Pilularia globulifera</i>	5	1802-1839	Sect.41
flowering plant	Cornflower	<i>Centaurea cyanus</i>	2	1986-2014	Sect.41
	Water Germander	<i>Teucrium scordium</i>	1	1995	Sect.41
insect - beetle (Coleoptera)	Sallow Guest Weevil	<i>Melanapion minimum</i>	1	1978	Sect.41
insect - butterfly	Wall	<i>Lasiommata megera</i>	1	1992	Sect.41
terrestrial mammal	Brown Hare	<i>Lepus europaeus</i>	5	1962-1998	Sect.41
	Eurasian Red Squirrel	<i>Sciurus vulgaris</i>	3	1933-2008	Sect.41
	Noctule Bat	<i>Nyctalus noctula</i>	5	1986-2009	Sect.41
	Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	1	2009	Sect.41
	West European Hedgehog	<i>Erinaceus europaeus</i>	4	1973-1980	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
fern	Pillwort	<i>Pilularia globulifera</i>	5	1802-1839	RLGB.Lr(NT)
flowering plant	Box	<i>Buxus sempervirens</i>	1	2015	RLGB.DD
	Corn Marigold	<i>Glebionis segetum</i>	2	1986-2014	RLGB.VU
	Galingale	<i>Cyperus longus</i>	2	2013	RLGB.Lr(NT)
	Water Germander	<i>Teucrium scordium</i>	1	1995	RLGB.EN
fungus	Rubinoletus rubinus	<i>Rubinoletus rubinus</i>	1	2011	RLGB.VU
insect - butterfly	Wall	<i>Lasiommata megera</i>	1	1992	RLGB.Lr(NT)

Desig. Code	Desig. Name	Designation Description
RLGB.Lr(NT)	IUCN (2001) - Lower risk - near threatened	Taxa which do not qualify for Lower Risk (conservation dependent), but which are close to qualifying for Vulnerable. In Britain, this category includes species which occur in 15 or fewer hectads but do not qualify as Critically Endangered, Endangered or Vulnerable.

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.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.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
fern	Pillwort	<i>Pilularia globulifera</i>	5	1802-1839	NS-excludes
flowering plant	Box	<i>Buxus sempervirens</i>	1	2015	NR-excludes
	Bramble	<i>Rubus rotundifolius</i>	2	1995	NR-excludes
	Chives	<i>Allium schoenoprasum</i>	1	2015	NS-excludes
	Galingale	<i>Cyperus longus</i>	2	2013	NS-excludes
	Perennial Flax	<i>Linum perenne</i>	1	1988	NS-excludes
	Water Germander	<i>Teucrium scordium</i>	1	1995	NR-excludes
	Welsh Poppy	<i>Meconopsis cambrica</i>	1	2010	NS-excludes
insect - beetle (Coleoptera)	Anitys rubens	<i>Anitys rubens</i>	2	1986	Nb
	Eutheia schaumii	<i>Eutheia schaumii</i>	1	1987	N
	Microdota benickiella	<i>Microdota benickiella</i>	2	1987	N
	Pseudomedon obscurellus	<i>Pseudomedon obscurellus</i>	1	1981	N
	Ptenidium (Gressnerium) gressneri	<i>Ptenidium (Gressnerium) gressneri</i>	1	1984	N
	Quedius (Microsaurus) truncicola	<i>Quedius (Microsaurus) truncicola</i>	1	1990	Nb
	Sallow Guest Weevil	<i>Melanapion minimum</i>	1	1978	Nb

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.

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	1998	MBB-WCA-S9
	Canada Goose	<i>Branta canadensis</i>	1	1998	MBB-WCA-S9
flowering plant	Indian Balsam	<i>Impatiens glandulifera</i>	2	2011-2013	MBB-WCA-S9
	Japanese Knotweed	<i>Fallopia japonica</i>	6	1995-2015	MBB-WCA-S9
	Japanese Rose	<i>Rosa rugosa</i>	1	1995	MBB-WCA-S9
	New Zealand Pigmyweed	<i>Crassula helmsii</i>	1	1997	MBB-WCA-S9
	Rhododendron	<i>Rhododendron ponticum</i>	22	1995-2015	MBB-WCA-S9
	Three-cornered Garlic	<i>Allium triquetrum</i>	4	2012-2015	MBB-WCA-S9
	Yellow Azalea	<i>Rhododendron luteum</i>	2	1995-1996	MBB-WCA-S9
terrestrial mammal	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	40	1966-2014	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
All Woodland	28.06	hectares
Neutral Grassland	3.25	hectares
Ponds	0.07	hectares
Ponds	4	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		
A1.1.1	Broadleaved woodland - semi-natural	1.4 ha
A1.1.2	Broadleaved woodland - plantation	8.26 ha
A2.1	Scrub - dense/continuous	0.25 ha
Open water		
G1	Standing water	0 ha
Miscellaneous		
J1.2	Cultivated/disturbed land - amenity grassland	11.43 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
Childwall Woods & Fields	Local Nature Reserve
Childwall Woods & Fields	Liverpool Local Wildlife Site (current)
Black Wood	Liverpool Local Wildlife Site (current)
Calderstones Park	Liverpool Local Wildlife Site (current)
Childwall Woods and Fields and Black Wood LNR	Liverpool Local Wildlife Site (proposed)
Calderstones Park	Liverpool Local Wildlife Site (proposed)
Land within Allerton Green Wedge	Liverpool Local Wildlife Site (potential)
Reynolds Park, Woolton hill Road	Liverpool Local Geological Site
Woolton Quarry, Quarry Street, Woolton	Liverpool Local Geological Site

Citations¹ for Local Wildlife Sites are supplied separately.

¹ 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

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

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
SJ40908722	Calderstones Park, Yewtree Road, Liverpool, Merseyside, South Lancashire	Common Frog	<i>Rana temporaria</i>	amphibian	16 Count of Clumps	18/03/2015	at waters edge Record GUID	1
SJ414881	Black Wood, Childwall, Liverpool	Common Frog	<i>Rana temporaria</i>	amphibian		19/09/1988	1	6
SJ4186	Meadowland in Childwall woods	Common Frog	<i>Rana temporaria</i>	amphibian	1 Count of Present	24/02/2011	Pond	2
SJ4188	Childwall Woods and Fields	Common Frog	<i>Rana temporaria</i>	amphibian	1 Count of Present	08/03/2012	Clump of Frog spawn in small water-filled hole near main breeding pond whose waters were muddied.	4
SJ4188	Childwall Woods and Fields, South Lancashire	Common Frog	<i>Rana temporaria</i>	amphibian	Present Count	08/03/2012	UK	7
SJ4188	Childwall Woods and Fields, Liverpool, South Lancashire	Common Frog	<i>Rana temporaria</i>	amphibian	Local on site Count of Adult Male	13/08/2013	MBB ref: 857-Childwall Woods	5
SJ4188	Childwall Woods and Fields, South Lancashire	Common Frog	<i>Rana temporaria</i>	amphibian	Present Ova/ Count of egg/ovum	17/03/2013	MBB ref.493-MBBSiteMonitor	5
SJ427880	Garden of 12 South Station Rd L25 3QG	Common Frog	<i>Rana temporaria</i>	amphibian	1 Count of Adult	04/07/2009		3
SJ427880	Garden of 12 South Station Rd L25 3QG	Common Frog	<i>Rana temporaria</i>	amphibian	3 Count of Juvenile	04/07/2009		3
SJ427880	Garden of 12 South Station Rd L25 3QG	Common Frog	<i>Rana temporaria</i>	amphibian	2 Count of Adult	12/05/2009		3
SJ427880	Garden of 12 South Station Rd L25 3QG	Common Frog	<i>Rana temporaria</i>	amphibian	24 Count of tadpoles	12/05/2009		3
SJ408872	Calderstones Pond E2	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of Breeding	05/04/2006	Breeding this season. Survey method: Egg	9
SJ408872	Calderstones Pond E2	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of Breeding	05/05/2008	Breeding this season. Survey method: Egg	9
SJ408872	Calderstones Pond E2	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of Breeding	17/04/2007	Breeding this season. Survey method: Egg	9
SJ408872	Calderstones Ditch	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of Breeding	17/04/2007	Breeding this season. Survey method: Egg	9
SJ408872	Calderstones Park	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of Breeding	20/04/2004	eggs on water forget-me-not	10

The Local Biodiversity Records Centre for North Merseyside

SJ408872	Calderstones Pond E2	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of Breeding	20/04/2004	Breeding this season. Survey method: Egg	9
SJ408872	Pond no. 2, Calderstones Park	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	1 Count of Confirmed breeding; 1 Count of egg/ovum	20/04/2004	Eggs on water forget-me-not	8
SJ408872	Pond E2, Calderstones Park	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of egg/ovum	25/04/2006		8
SJ408872	Calderstones Ditch	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of Breeding	25/04/2006	Breeding this season. Survey method: Egg	9
SJ408872	E2, Calderstones Park	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of egg/ovum	28/03/2005		8
SJ408872	Calderstones Pond E2	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of Breeding	28/03/2005	Breeding this season. Survey method: Egg	9
SJ409872	Pond E1, Calderstones Park	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of egg/ovum	05/04/2006	Colony has spread to ditch between E2 and main lake	8
SJ409872	Calderstones Pond E1	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of Breeding	05/04/2006	Breeding this season. Survey method: Egg	9
SJ409872	Calderstones Pond E1	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of Breeding	05/05/2008	Breeding this season. Survey method: Egg	9
SJ409872	Calderstones Pond E1	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of Breeding	17/04/2007	Breeding this season. Survey method: Egg	9
SJ409872	Calderstones Pond E1	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of Breeding	28/03/2004	Breeding this season. Survey method: Egg	9
SJ409872	Pond E1, Calderstones Park	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of egg/ovum	28/03/2005		8
SJ409872	Calderstones Pond E1	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count of Breeding	28/03/2005	Breeding this season. Survey method: Egg	9
SJ409873	Calderstones Park	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	Present Count	15/07/1998		10
SJ409873	Small pond, Calderstones Park	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	4 Count of Larvae	15/07/1998		8
SJ409873	Small pond, Calderstones Park	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	3 Count of egg/ovum	1994		8
SJ409873	Calderstones Park	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	1 Count of Confirmed breeding; 1 Count of egg/ovum	28/03/2004	Eggs on water forget-me-not	8
SJ408872	Calderstones Ditch	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		05/04/2006	Breeding this season. Survey method: Egg	9
SJ408872	Calderstones Pond E2	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		05/04/2006	Breeding this season. Survey method: Egg	9
SJ408872	Calderstones Ditch	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		05/05/2008	Breeding this season. Survey method: Egg	9
SJ408872	Calderstones Ditch	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		16/05/2009	Negative result Dry Site	9
SJ408872	Calderstones Pond E2	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		16/05/2009	Negative result Dry Site	9

The Local Biodiversity Records Centre for North Merseyside

SJ408872	Calderstones Pond E2	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		17/04/2007	Breeding this season. Survey method: Egg	9
SJ408872	Calderstones Ditch	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		17/04/2007	Breeding this season. Survey method: Egg	9
SJ408872	Calderstones Park	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian	Present Count of egg/ovum	28/03/2005		8
SJ408872	Calderstones Pond E2	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		28/03/2005	Breeding this season. Survey method: Egg	9
SJ409872	Calderstones Pond E1	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		05/04/2006	Breeding this season. Survey method: Egg	9
SJ409872	Calderstones Pond E1	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		16/05/2009	Negative result Dry Site	9
SJ409872	Calderstones Pond E1	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		17/04/2007	Breeding this season. Survey method: Egg	9
SJ409872	Calderstones Pond E1	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian		28/03/2005	Breeding this season. Survey method: Egg	9
SJ409873	Calderstones Park	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian	10 Count of Larvae	15/07/1998		8
SJ409873	E1, Calderstones Park	Smooth Newt	<i>Lissotriton vulgaris</i>	amphibian	Present Count of egg/ovum	28/03/2005		8
SJ48D	Calderstones Park	Barn Owl	<i>Tyto alba</i>	bird	1 Count of Possible breeding	1998		11
SJ48D	Calderstones Park	Bullfinch	<i>Pyrrhula pyrrhula</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48J	Belle Vale tetrad	Bullfinch	<i>Pyrrhula pyrrhula</i>	bird	1 Count of Possible breeding	1998		11
SJ48D	Calderstones Park	Canada Goose	<i>Branta canadensis</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48D	Calderstones Park	Dunnock	<i>Prunella modularis</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48E	Childwall tetrad	Dunnock	<i>Prunella modularis</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48I	Woolton Woods	Dunnock	<i>Prunella modularis</i>	bird	1 Count of Confirmed breeding	1999		11
SJ48J	Belle Vale tetrad	Dunnock	<i>Prunella modularis</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48J	Belle Vale tetrad	Grey Partridge	<i>Perdix perdix</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48D		House Martin	<i>Delichon urbicum</i>	bird	1 Count of Possible breeding	1998		11
SJ48I	Woolton Woods	House Martin	<i>Delichon urbicum</i>	bird	1 Count of Possible breeding	1999		11
SJ48J	Belle Vale tetrad	House Martin	<i>Delichon urbicum</i>	bird	1 Count of Confirmed breeding	1998		11

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

SJ413884		House Sparrow	<i>Passer domesticus</i>	bird	1 Proven Count of Confirmed breeding	2001		11
SJ415870		House Sparrow	<i>Passer domesticus</i>	bird	5 Proven Count of Confirmed breeding	12/05/2001		11
SJ415880		House Sparrow	<i>Passer domesticus</i>	bird	2 Proven Count of Confirmed breeding	09/05/2001		11
SJ417870		House Sparrow	<i>Passer domesticus</i>	bird	2 Proven Count of Confirmed breeding	2001		11
SJ419872		House Sparrow	<i>Passer domesticus</i>	bird	1 Proven Count of Confirmed breeding	2001		11
SJ422872		House Sparrow	<i>Passer domesticus</i>	bird	1 Proven Count of Confirmed breeding	2001		11
SJ425875		House Sparrow	<i>Passer domesticus</i>	bird	1 Proven Count of Confirmed breeding	13/05/2001		11
SJ425880		House Sparrow	<i>Passer domesticus</i>	bird	1 Proven Count of Confirmed breeding	19/05/2001		11
SJ426868		House Sparrow	<i>Passer domesticus</i>	bird	Proven Count of Confirmed breeding	2001		11
SJ427870		House Sparrow	<i>Passer domesticus</i>	bird	2 Proven Count of Confirmed breeding	2001		11
SJ428873		House Sparrow	<i>Passer domesticus</i>	bird	1 Proven Count of Confirmed breeding	2001		11
SJ48D	Calderstones Park	House Sparrow	<i>Passer domesticus</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48E	Childwall tetrad	House Sparrow	<i>Passer domesticus</i>	bird	1 Count of Probable breeding	1998		11
SJ48I	Woolton Woods	House Sparrow	<i>Passer domesticus</i>	bird	1 Count of Confirmed breeding	1999		11
SJ48J	Belle Vale tetrad	House Sparrow	<i>Passer domesticus</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48J	Belle Vale tetrad	Lapwing	<i>Vanellus vanellus</i>	bird	1 Count of Possible breeding	1998		11
SJ48E	Childwall Woods	Lesser Spotted Woodpecker	<i>Dendrocopos minor</i>	bird	1 Count of Possible breeding	1997		11
SJ48D	Calderstones Park	Linnet	<i>Linaria cannabina</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48J	Belle Vale tetrad	Linnet	<i>Linaria cannabina</i>	bird	1 Count of Possible breeding	1998		11
SJ48E	Childwall tetrad	Reed Bunting	<i>Emberiza schoeniclus</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48E	Childwall tetrad	Skylark	<i>Alauda arvensis</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48J	Belle Vale tetrad	Skylark	<i>Alauda arvensis</i>	bird	3 Count of Confirmed breeding	1998		11

The Local Biodiversity Records Centre for North Merseyside

SJ48D	Calderstones Park	Song Thrush	<i>Turdus philomelos</i>	bird	28 Count of Confirmed breeding	1998		11
SJ48E	Childwall tetrad	Song Thrush	<i>Turdus philomelos</i>	bird	9 Count of Confirmed breeding	1998		11
SJ48I	Woolton Woods	Song Thrush	<i>Turdus philomelos</i>	bird	10 Count of Confirmed breeding	1999		11
SJ48J	Belle Vale tetrad	Song Thrush	<i>Turdus philomelos</i>	bird	4 Count of Confirmed breeding	1998		11
SJ48D	Calderstones Park	Starling	<i>Sturnus vulgaris</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48E	Childwall tetrad	Starling	<i>Sturnus vulgaris</i>	bird	1 Count of Probable breeding	1998		11
SJ48I	Woolton Woods	Starling	<i>Sturnus vulgaris</i>	bird	1 Count of Confirmed breeding	1999		11
SJ48J	Belle Vale tetrad	Starling	<i>Sturnus vulgaris</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48D	Calderstones Park	Swift	<i>Apus apus</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48E	Childwall tetrad	Swift	<i>Apus apus</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48I	Woolton Woods	Swift	<i>Apus apus</i>	bird	1 Count of Possible breeding	1999		11
SJ48J	Belle Vale tetrad	Swift	<i>Apus apus</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48J	Belle Vale tetrad	Tree Sparrow	<i>Passer montanus</i>	bird	1 Count of Confirmed breeding	1998		11
SJ48D	Calderstones Park	Willow Tit	<i>Poecile montana</i>	bird	1 Count of Possible breeding	1998		11
SJ4186		Pillwort	<i>Pilularia globulifera</i>	fern		1820		41
SJ4186		Pillwort	<i>Pilularia globulifera</i>	fern		1826		41
SJ4186		Pillwort	<i>Pilularia globulifera</i>	fern		1839		41
SJ4186		Pillwort	<i>Pilularia globulifera</i>	fern		31/07/1832		41
SJ4188		Pillwort	<i>Pilularia globulifera</i>	fern		1802		41
SJ413883	Childwall Woods, Liverpool	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count of Occasional	31/05/1995	present	13
SJ415880	Black Wood, Woolton, Liverpool, Merseyside	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	locally Count of Abundant	03/05/1996	mature	13
SJ415880	Black Wood	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant		22/05/1986	Landlife RPA	16
SJ415880	Black Wood	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	O DAFOR	23/06/1995		12
SJ415885	Childwell Woods and Fields	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	LF DAFOR	23/06/1995		12

The Local Biodiversity Records Centre for North Merseyside

SJ4186	Scrub, Eric Hardy LNR and Clarke gardens	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	Present Count	14/05/2015	Field observation	15
SJ4188	Childwall Woods and Fields, South Lancashire	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	Present Count of Flowering	04/05/2012	NHM	7
SJ4188	Childwall Woods and Fields, Liverpool, South Lancashire	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	Present Count of Flowering	27/09/2010	Wildflowers Count survey - 1km path	5
SJ420870	Woolton quarries	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant		24/05/1978		6
SJ421875	Reynolds Park (Woolton Park), Woolton, Liverpool, Merseyside	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	locally Count of Frequent	27/05/1996	mature	13
SJ42648776	Chartmount Way, Gateacre, Liverpool, Merseyside, South Lancashire	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	local Count of Flowering	11/05/2015	against sandstone wall Record GUID (from Gilbert 21):	1
SJ4286	Unknown	Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	Present Count	09/05/2013		14
SJ48D		Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count of Present	1997		8
SJ48E		Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count of Present	1997		8
SJ48I		Bluebell	<i>Hyacinthoides non-scripta</i>	flowering plant	1 Count of Present	1995		8
SJ42138731	Reynolds Park, Church Road, Woolton, Liverpool, Merseyside, South Lancashire	Box	<i>Buxus sempervirens</i>	flowering plant	occasional Count	27/05/2015	hedge Record GUID (from Gilbert 21): 5b8ea0c4-00e0	1
SJ415880	Black Wood	Bramble	<i>Rubus rotundifolius</i>	flowering plant	O DAFOR	23/06/1995		12
SJ415885	Childwell Woods and Fields	Bramble	<i>Rubus rotundifolius</i>	flowering plant	LF DAFOR	23/06/1995		12
SJ42198731	Reynolds Park, Church Road, Woolton, Liverpool, Merseyside, South Lancashire	Chives	<i>Allium schoenoprasum</i>	flowering plant	locally frequent Count of Flowering	27/05/2015	in beds Record GUID (from Gilbert 21): 71c5e99f-4a	1
SJ42268747	Reynolds Park, Church Road, Woolton, Liverpool, Merseyside, South Lancashire	Corn Marigold	<i>Glebionis segetum</i>	flowering plant	occasional Count of Flowering	27/07/2014		1
SJ4286	Gateacre Nursery	Corn Marigold	<i>Glebionis segetum</i>	flowering plant		21/10/1986	Landlife RPA	16
SJ42268747	Reynolds Park, Church Road, Woolton, Liverpool, Merseyside, South Lancashire	Cornflower	<i>Centaurea cyanus</i>	flowering plant	occasional Count of Flowering	27/07/2014		1
SJ4286	Gateacre Nursery	Cornflower	<i>Centaurea cyanus</i>	flowering plant		21/10/1986	Landlife RPA	16
SJ4188	Childwall Woods and Fields, South Lancashire	Galingale	<i>Cyperus longus</i>	flowering plant	Present Count	07/01/2013	MBB ref. 493-MBBSiteMonitor	5
SJ4188	Childwall Woods and Fields, Liverpool, South Lancashire	Galingale	<i>Cyperus longus</i>	flowering plant	Local on site Count of Flowering	13/08/2013	MBB ref: 857-Childwall Woods	5
SJ4188	Childwall Woods and Fields, Liverpool, South Lancashire	Indian Balsam	<i>Impatiens glandulifera</i>	flowering plant	Dominant Count of Flowering	13/08/2013	MBB ref: 857-Childwall Woods	5
SJ4188	Childwall Woods and Fields, South Lancashire	Indian Balsam	<i>Impatiens glandulifera</i>	flowering plant	Dominant Count	29/08/2011	Unrecorded flowering plant: Site	7

The Local Biodiversity Records Centre for North Merseyside

SJ415880	Black Wood, Woolton, Liverpool, Merseyside	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant	locally Count of Frequent	03/05/1996	mature	13
SJ415885	Childwell Woods and Fields	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant	R DAFOR	23/06/1995		12
SJ4188	Childwall Woods and Fields, Liverpool, South Lancashire	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant	Abundant Count of Flowering	13/08/2013	MBB ref: 857-Childwall Woods	5
SJ42038788	Woodland, Woolton Road, Woolton, Liverpool, Merseyside, South Lancashire	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant	local Count	02/06/2015	Record GUID (from Gilbert 21): 519e5a3e-a	1
SJ42078762	Reynolds Park Quarry, Huyton-With-Roby	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant	O Count of DAFOR	09/11/2012	stand in centre of the quarry	17
SJ421875	Reynolds Park (Woolton Park), Woolton, Liverpool, Merseyside	Japanese Knotweed	<i>Fallopia japonica</i>	flowering plant	locally Count of Frequent	27/05/1996	mature	13
SJ415885	Childwell Woods and Fields	Japanese Rose	<i>Rosa rugosa</i>	flowering plant	O DAFOR	23/06/1995		12
SJ48J	SJ48J, South Lancashire	New Zealand Pigmyweed	<i>Crassula helmsii</i>	flowering plant	1 Count of Present	01/01/1997		18
SJ414881	Black Wood, Childwall, Liverpool	Perennial Flax	<i>Linum perenne</i>	flowering plant		19/09/1988		6
SJ41348826	Childwall Woods and Fields, Childwall Abbey Road, Childwall, Liverpool, Merseyside, South Lancashire	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	occasional Count of Flowering	21/05/2015	Record GUID (from Gilbert 21): 22ef0	1
SJ413883	Childwall Woods, Liverpool	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	1 Count of Frequent	31/05/1995	present	13
SJ41428829	Childwall Woods and Fields, Childwall Abbey Road, Childwall, Liverpool, Merseyside, South Lancashire	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	local Count	21/05/2015	Record GUID (from Gilbert 21): fe9e2	1
SJ41428840	Childwall Woods and Fields, Childwall Abbey Road, Childwall, Liverpool, Merseyside, South Lancashire	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	locally frequent Count	21/05/2015	Record GUID (from Gilbert 21): dd996	1
SJ414884	In the woodland understorey, South Lancashire	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	Dominant Count	19/01/2014		20
SJ41488824	Childwall Woods and Fields, Childwall Abbey Road, Childwall, Liverpool, Merseyside, South Lancashire	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	occasional Count	21/05/2015	Record GUID (from Gilbert 21): 45415	1
SJ41498826	Childwall Woods & Fields, Childwall Abbey Road, Childwall, Liverpool, Merseyside, South Lancashire	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	local Count of inbud	21/05/2015	Record GUID (from Gilbert 21): a77205b7-66dc-4fcb-aac5-745c5	19
SJ415865	Allerton Golf Course	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	LD DAFOR	13/09/1995		12
SJ415885	Childwell Woods and Fields	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	LA DAFOR	23/06/1995		12
SJ4186	Woodland pathways, Childwall woods	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	1 Count of Present	04/04/2010		2
SJ4188	Childwall Woods and Fields, South Lancashire	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	Present Count	04/04/2011	MBB- WCA-S9 spe	5
SJ4188	Childwall Woods and Fields, Liverpool, South Lancashire	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	Present Count	04/11/2013	MBB ref: 857-Childwall Woods and Fields	5

The Local Biodiversity Records Centre for North Merseyside

SJ4188	Childwall Woods and Fields, South Lancashire	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	Dominant Count of Flowering	07/01/2013	MBB ref. 493-MBBSiteMonitor	5
SJ4188	Childwall Woods and Fields, South Lancashire	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	P Count of Present	09/09/2012	RIG	7
SJ4188	Childwall Woods and Fields, Liverpool, South Lancashire	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	Dominant Count of Present	13/08/2013	MBB ref: 857-Childwall Woods	5
SJ4188	Childwall Woods and Fields, Liverpool, South Lancashire	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	Abundant Count of Flowering	27/02/2014	MBAN Site Monitor	5
SJ4188	Childwall Woods and Fields	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	1 Count of Present	29/01/2012	Abundant in woodland, especially fringing pathways.	4
SJ4188	Childwall Woods and Fields, South Lancashire	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	Present Count	29/01/2012	WCA	7
SJ42078762	Reynolds Park Quarry, Huyton-With-Roby	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	F Count of DAFOR	09/11/2012		17
SJ42128722	Reynolds Park, Church Road, Woolton, Liverpool, Merseyside, South Lancashire	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	occasional Count of Flowering	27/05/2015	Record GUID (from Gilbert 21): 0cddd7b4-8acf-48c3-	1
SJ421875	Reynolds Park (Woolton Park), Woolton, Liverpool, Merseyside	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	1 Count of Frequent	27/05/1996	mature	13
SJ4287	Reynolds Park, Woolton, South Lancashire	Rhododendron	<i>Rhododendron ponticum</i>	flowering plant	P InFlower- Count of Flowering	23/01/2013	Evergreen foliage.	5
SJ41348826	Childwall Woods and Fields, Childwall Abbey Road, Childwall, Liverpool, Merseyside, South Lancashire	Three-cornered Garlic	<i>Allium triquetrum</i>	flowering plant	local Count of Flowering	21/05/2015	Record GUID (from Gilbert 21): 2cb2b	1
SJ4188	Childwall Woods and Fields, South Lancashire	Three-cornered Garlic	<i>Allium triquetrum</i>	flowering plant	Present Count of Flowering	27/05/2012		7
SJ42118725	Reynolds Park, Woolton, Liverpool, Merseyside, South Lancashire	Three-cornered Garlic	<i>Allium triquetrum</i>	flowering plant	local Count of Flowering	27/05/2015	in border Record GUID (from Gilbert 21): 79c5f9c5-316a-4ef0-	19
SJ42158747	Reynolds Park, Church Road, Woolton, Liverpool, Merseyside, South Lancashire	Three-cornered Garlic	<i>Allium triquetrum</i>	flowering plant	local Count of Flowering	27/05/2015	Record GUID (from Gilbert 21): f711cbf6-c5cf-42bf-	1
SJ415885	Childwell Woods and Fields	Water Germander	<i>Teucrium scordium</i>	flowering plant	R DAFOR	23/06/1995		12
SJ4186	Boundary path in Childwall woods	Welsh Poppy	<i>Meconopsis cambrica</i>	flowering plant	1 Count of Present	23/05/2010		2
SJ415885	Childwell Woods and Fields	Yellow Azalea	<i>Rhododendron luteum</i>	flowering plant	R DAFOR	23/06/1995		12
SJ421875	Reynolds Park (Woolton Park), Woolton, Liverpool, Merseyside	Yellow Azalea	<i>Rhododendron luteum</i>	flowering plant	3 Count	27/05/1996	mature	13
SJ4086	Liverpool 19: Heath Road, South Lancashire	Rubinoletus rubinus	<i>Rubinoletus rubinus</i>	fungus	1 Count	17/08/2011		21
SJ4188		Anitys rubens	<i>Anitys rubens</i>	insect - beetle (Coleoptera)		1986		42
SJ4188		Anitys rubens	<i>Anitys rubens</i>	insect - beetle (Coleoptera)		1986		42

The Local Biodiversity Records Centre for North Merseyside

SJ4087	Calderstones Park, Liverpool	Eutheia schaumii	<i>Eutheia schaumii</i>	insect - beetle (Coleoptera)	1 Count of Adult	26/09/1987	1 ex from garden refuse (this is the 2nd ex of this species I have, the other ex was from the midden at Clark gardens)	22
SJ4186	Allerton Priory Playing Fields, Liverpool	Microdota benickiella	<i>Microdota benickiella</i>	insect - beetle (Coleoptera)		02/10/1987	In leaf litter and rotten wood	22
SJ4186	Allerton Priory Playing Field, Liverpool	Microdota benickiella	<i>Microdota benickiella</i>	insect - beetle (Coleoptera)		February 1987	In numbers in leaf litter at the foot of an Elm log	22
SJ4087		Pseudomedon obscurellus	<i>Pseudomedon obscurellus</i>	insect - beetle (Coleoptera)		1981		42
SJ4188		Ptenidium (Gressnerium) gressneri	<i>Ptenidium (Gressnerium) gressneri</i>	insect - beetle (Coleoptera)		1984		42
SJ4186	Allerton Priory Playing Fields, Liverpool	Quedius (Microsaurus) truncicola	<i>Quedius (Microsaurus) truncicola</i>	insect - beetle (Coleoptera)	2 Count of Adult	11/02/1990	2 female ex in litter in basal cavity of old Sycamore tree	22
SJ420870	Woolton quarries	Sallow Guest Weevil	<i>Melanapion minimum</i>	insect - beetle (Coleoptera)		25/05/1978	Lives on dock leaves	6
SJ4287	Woolton Park Road	Wall	<i>Lasiommata megera</i>	insect - butterfly	10-29 Count	19/08/1992		23
SJ409873	Calderstones Park	Azure Damselfly	<i>Coenagrion puella</i>	insect - dragonfly (Odonata)	12 Count of Adult	22/06/1998		24
SJ409873	Calderstones Park	Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	2 Count of Adult	22/06/1998		24
SJ48J		Blue-tailed Damselfly	<i>Ischnura elegans</i>	insect - dragonfly (Odonata)	12 Count	30/05/2007		24
SJ48J		Common Darter	<i>Sympetrum striolatum</i>	insect - dragonfly (Odonata)	1 Count; 1 Count of Female	01/08/2007		24
SJ4288		Common Emerald Damselfly	<i>Lestes sponsa</i>	insect - dragonfly (Odonata)		August 1994		43
SJ4287	Small pond, Gateacre	Emerald Damselfly	<i>Lestes sponsa</i>	insect - dragonfly (Odonata)	1 Count of Male	1994		24
SJ4188	Childwall Woods	Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	1 Count of Total	30/06/2008		24
SJ48J		Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	1 Count; 1 Count of ovipositing; 1 Count of Female	01/08/2007		24
SJ48J		Emperor Dragonfly	<i>Anax imperator</i>	insect - dragonfly (Odonata)	1 Count; 1 Count of Male	11/07/2007		24
SJ409873	Calderstones Park	Four-spotted Chaser	<i>Libellula quadrimaculata</i>	insect - dragonfly (Odonata)	1 Count of Adult	22/06/1998		24
SJ4087		Southern Aeshna	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)		July 1993		43
SJ4086	Allerton, Garden	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly (Odonata)		1940 - 1960		6
SJ409873	Calderstones Park	Southern Hawker	<i>Aeshna cyanea</i>	insect - dragonfly	1 Count of Adult	July 1993		24

The Local Biodiversity Records Centre for North Merseyside

				(Odonata)				
SJ420487 40	Reynolds Park, Huyton-With-Roby	Bats	<i>Chiroptera</i>	terrestrial mammal	P Count of Roost Potential	09/11/2012	building showing good bat roost potential	17
SJ4286	Monks way, woolton	Bats	<i>Chiroptera</i>	terrestrial mammal		03/09/1981	1 heard, pm	28
SJ4286	Woolton, Monks Way	Bats	<i>Chiroptera</i>	terrestrial mammal		09/07/1985		26
SJ4286	Woolton, Church Road	Bats	<i>Chiroptera</i>	terrestrial mammal		1986		26
SJ4287	Woolton, Reynolds Park	Bats	<i>Chiroptera</i>	terrestrial mammal		01/09/1989		26
SJ4288	Merseyside	Bats	<i>Chiroptera</i>	terrestrial mammal	1 Count	02/08/2011	Sunrise Survey	27
SJ4288	Gateacre, Beechnut Drive	Bats	<i>Chiroptera</i>	terrestrial mammal		15/01/1990		26
SJ48J		Bats	<i>Chiroptera</i>	terrestrial mammal		1990		44
SJ4087	Drive near bowling green of Calderstones Park	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		1978	sight. presumed to have come from the nearby golf course. no more hares seen upto june 1982	28
SJ4087	bushes of Calderstones Park	Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		25/06/1980	1 seen	28
SJ415885		Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal		22/10/1962		45
SJ48I		Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	1 Count of Present	1998		8
SJ48J		Brown Hare	<i>Lepus europaeus</i>	terrestrial mammal	1 Count of Present	1998		8
SJ4087	Calderstones Park, Liverpool	Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	3 Count	14/08/2009		29
SJ409873	Calderstones Park	Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	Present Count of feeding	14/08/2002		8
SJ415048 8019	Black Woods	Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	terrestrial mammal		11/05/2015	15+ Throughout woodland, potential emergence from Beech tree on Northern site boundary.	30
SJ409873	Calderstones Park	Daubenton's Bat	<i>Myotis daubentonii</i>	terrestrial mammal	Present Count of feeding	14/08/2002		8
SJ420687 62	Reynolds Park Quarry, Huyton-With- Roby	Daubenton's Bat	<i>Myotis daubentonii</i>	terrestrial mammal	1 Count of Roost	09/11/2012	found in crevice half way along tunnel in side of quarry face.	17
SJ4086		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal		14/06/2004 - 20/06/2004		46
SJ4086		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial		21/06/2004 -		46

The Local Biodiversity Records Centre for North Merseyside

				mammal		27/06/2004		
SJ4086		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal		26/04/2004 - 02/05/2004		46
SJ4087	Calderstones Park, South Lancashire	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	1 Count of Present	01/07/2009		32
SJ4087	Calderstones Park	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	24 Count	10/04/2011		35
SJ416588 01	The Black Wood, Woolton Road, Liverpool, Woolton Ward	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	2 Count of Adult	02/02/2014		19
SJ416588 01	The Black Wood, Woolton Road, Liverpool, South Lancashire	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	2 Count of Adult	02/02/2014		1
SJ416588 01	The Black Wood, Woolton Road, Liverpool, South Lancashire	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	2 Count of Adult	02/02/2014		33
SJ4188	Childwall Woods and Fields, South Lancashire	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	Present Count	02/01/2012		33
SJ4188	Childwall Woods and Fields, Liverpool, South Lancashire	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	Present Count of Adult	04/11/2013		33
SJ4188	Childwall Woods and Fields, South Lancashire	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	P Count of Adult	07/01/2013		33
SJ4188	Childwall Woods and Fields, Liverpool, South Lancashire	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	Local Count of Adult	12/10/2013		33
SJ4188	Childwall Woods and Fields, Liverpool, South Lancashire	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	Local Count of Adult	13/08/2013		33
SJ4188	Childwall Woods and fields	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	6 Count	15/06/2011	wood area	34
SJ4188	Black Wood, Childwall, South Lancashire	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	1 Count of Present	17/02/2010		32
SJ4188	Childwall Woods and Fields, South Lancashire	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	Present Count	26/01/2011		33
SJ4188	Childwall Woods and Fields, Liverpool, South Lancashire	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	Present Count of Adult	27/09/2013		33
SJ4188	Childwall Woods and Fields, Liverpool., South Lancashire	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	Present Count of Adult	28/03/2014	Monitoring ;observation/identification.	5
SJ420387 39	Reynolds Park Quarry, Huyton-With-Roby	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	1 Count	09/11/2012		17
SJ420687 64	Reynolds Park Quarry, Huyton-With-Roby	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	1 Count	09/11/2012		17
SJ420872	Church Road, Woolton	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	dead 1 Count	08/08/2010	case number 678	31
SJ420872	Church Road, Woolton	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	dead 1 Count	09/08/2010	case number 677	31
SJ420872	Church Road, Woolton	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	dead 1 Count	10/08/2010	case number 706	31

The Local Biodiversity Records Centre for North Merseyside

SJ421868		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	1 Count	05/04/2008		31
SJ422087 31	Reynolds Park, Huyton-With-Roby	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	2 Count	09/11/2012	chasing each other up and down tree.	17
SJ4286		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal		02/05/2011 - 08/05/2011		46
SJ4286		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal		05/04/2008		47
SJ4286		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal		06/06/2011 - 12/06/2011		46
SJ4286		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal		09/05/2011 - 15/05/2011		46
SJ4286		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal		11/04/2011 - 17/04/2011		46
SJ4286		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal		16/05/2011 - 22/05/2011		46
SJ4286		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal		18/04/2011 - 24/04/2011		46
SJ4286		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal		20/06/2011 - 26/06/2011		46
SJ4286		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal		23/05/2011 - 29/05/2011		46
SJ4286		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal		25/04/2011 - 01/05/2011		46
SJ4286		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal		28/03/2011 - 03/04/2011		46
SJ4286		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal		30/05/2011 - 05/06/2011		46
SJ4287	Reynolds Park (Woolton Park), Woolton, Liverpool, Merseyside	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	1 Count of Present	1966		13
SJ4287		Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal		1966		45
SJ4287	Reynolds Park, Woolton, South Lancashire	Eastern Grey Squirrel	<i>Sciurus carolinensis</i>	terrestrial mammal	1 Count of Adult	23/01/2013		33
SJ4188	Childwall Woods & Fields	Eurasian Badger	<i>Meles meles</i>	terrestrial mammal		10/05/2015	well worn badger pathway and latrine - SJ 41703 88479	30
SJ4188	Childwall Woods & Fields	Eurasian Badger	<i>Meles meles</i>	terrestrial mammal		10/05/2015	5 hole disused sett - SJ 41593 88378	30
SJ4287	Gateacre, Liverpool	Eurasian Badger	<i>Meles meles</i>	terrestrial mammal	1 Count of Adult	1935		36
SJ4087		Eurasian Red Squirrel	<i>Sciurus vulgaris</i>	terrestrial mammal		1946		45
SJ4286		Eurasian Red Squirrel	<i>Sciurus vulgaris</i>	terrestrial mammal		03/04/2008		47

The Local Biodiversity Records Centre for North Merseyside

SJ4286	woolton woods	Eurasian Red Squirrel	<i>Sciurus vulgaris</i>	terrestrial mammal		23/04/1933	sight. 'naturalists field club' proceedings 1933	28
SJ4087	calderstones	Noctule Bat	<i>Nyctalus noctula</i>	terrestrial mammal	2 Count of in flight	01/10/2007		37
SJ4087	Calderstones	Noctule Bat	<i>Nyctalus noctula</i>	terrestrial mammal	2 Count	01/10/2007	Time: 19:20-20:20, Cloud: clear, Wind: calm, Rain: dry	38
SJ4087	Calderstones Park, Liverpool	Noctule Bat	<i>Nyctalus noctula</i>	terrestrial mammal	2 Count	14/08/2009		29
SJ4286	Woolton Quarries, Reynolds Park, Off Church Road, Woolton, Liverpool, Merseyside.	Noctule Bat	<i>Nyctalus noctula</i>	terrestrial mammal		16/08/1988		37
SJ4286	Woolton Quarries, Reynolds Park, Off Church Road, Woolton, Liverpool, Merseyside.	Noctule Bat	<i>Nyctalus noctula</i>	terrestrial mammal		1986		37
SJ4087	Woolton	Pipistrelle	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	1 Count of Present	26/11/1980		13
SJ4087	Woolton	Pipistrelle	<i>Pipistrellus pipistrellus</i>	terrestrial mammal	1 Count of Present	27/04/1981		13
SJ4087	calderstones	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	4 Count of in flight	01/10/2007		37
SJ4087	Calderstones	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	4 Count	01/10/2007	Time: 19:20-20:20, Cloud: clear, Wind: calm, Rain: dry	38
SJ4087	Calderstones	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	13 Count	17/07/2007	Time: 20:30-22:15, Cloud: patchy, Wind: clam, Rain: dry	38
SJ4087	calderstones	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	13 Count of in flight	17/07/2007		37
SJ4087	Liverpool, Calderstones Park	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal		26/11/1980		26
SJ4087	Calderstones Park	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal		26/11/1980	sight, on 2 occasions	28
SJ4087	Merseyside, Liverpool, Calderstones Park,	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	1 Count of in flight	26/11/1980	Bats seen in the centre of calderstones park on two instances	37
SJ4087	Liverpool, Calderstones Park	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	present Count of Roosting	27/04/1981		26
SJ4087	Merseyside, Liverpool, Calderstones Park, Beechly Cottage (NR)	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	1 Count of Roosting	27/04/1981	Roosting in the broken branch of a scots pine	37
SJ4087	near beechley cottage Calderstones Park	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	P Count of Roosting	27/04/1981	sight roosting in scots pine (broken branch)	28
SJ4087	Calderstones	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	12 Count	27/07/2007	Time: 21:30-23:30, Cloud: clear, Wind: light, Rain: dry	38
SJ4087	calderstones	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	12 Count of in flight	27/07/2007		37

SJ4187	Calderstones	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal		30/03/1993		26
SJ4187	Merseyside,Liverpool,Calderstones Comprehensive School	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	1 Count of dead	30/03/1993	Male Pipistrelle found by DR.Mike Aldersley.sick and lethargic,died mid-april	37
SJ418876	St Gabriels Convent Woolton, Liverpool	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	P Count of Roost	30/11/2011	Approximately 100 fresh and older droppings in roof space.	39
SJ425880	Beechurst Road, Gatacre, Liverpool	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	1 Count	15/01/1990-17/01/1990	Bat apparently in good health, weighed 5.9g and flew for 20 minutes.	40
SJ426881	Merseyside,Liverpool,Gatacre,Off Grange Lane,Beechurst RD.	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	1 Count of Roosting	15/01/1990	Bat discovered during demolition of garage.Evidence of roost between garage and next door extension,bat appeared injured	37
SJ4286	Merseyside,Liverpool,Wollton,Monk's Way	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	1 Count of in flight	09/07/1985	One heard in flight in the afternoon	37
SJ4287	Merseyside,Liverpool,Gatacre,Cherry Vale	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	60 Count of Roosting	1989 - 1992	No bats present at time of visit,but they have roosted behind soffit for some years.they emerge at the apex and owner has previously counted 60 emerging	37
SJ4287	Merseyside,Liverpool,Wollton,Reynolds Park	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	<1 Count of in flight	September 1989	Bats seen flying along footpath at top of wollton hill road	37
SJ4288	Merseyside,Liverpool,Gatacre,Beech nut Drive	Pipistrelle Bat species	<i>Pipistrellus</i>	terrestrial mammal	1 Count	15/01/1990	Injured bat found by workmen	37
SJ4087	Calderstones Park, Liverpool	Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	terrestrial mammal	2 Count	14/08/2009		29
SJ4087	Calderstones Park, Liverpool	Unidentified Bat	<i>Myotis</i>	terrestrial mammal	1 Count	14/08/2009		29
SJ415048 8019	Black Woods	Unidentified Bat	<i>Myotis</i>	terrestrial mammal		11/05/2015	Pass - at northern end	30
SJ4086	Allerton	West European Hedgehog	<i>Erinaceus europaeus</i>	terrestrial mammal		1976	1 seen	28
SJ4087	Edge of wildflower garden Calderstones Park	West European Hedgehog	<i>Erinaceus europaeus</i>	terrestrial mammal		25/06/1980	sight	28
SJ4286	woolton woods	West European Hedgehog	<i>Erinaceus europaeus</i>	terrestrial mammal		15/06/1974	3 found dead	28
SJ4287	woolton	West European Hedgehog	<i>Erinaceus europaeus</i>	terrestrial mammal		April 1973	R.C	28

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
SJ409872	Calderstones Pond E1	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	0 Count of Present	16/05/2009	Negative result. Dry Site	9
SJ408872	Calderstones Ditch	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	0 Count of Present	16/05/2009	Negative result Dry Site	9
SJ408872	Calderstones Pond E2	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	0 Count of Present	16/05/2009	Negative result Dry Site	9
SJ408872	Calderstones Ditch	Great Crested Newt	<i>Triturus cristatus</i>	amphibian	0 Count of Present	05/05/2008	Negative result. Survey method: Egg	9

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	RODIS General Steve McWilliam	BioBank
2	Howard Harris Childwall Woods and Fields	BioBank
3	Ad hoc 2010	BioBank
4	MBB Online - General	BioBank
5	RODIS General Howard Harris	BioBank
6	Liverpool Musuem	BioBank
7	RODIS Howard Harris Childwall Woods and Fields	BioBank
8	Lancashire Wildlife Trust Dataset	BioBank
9	Peter Tipping Triturus	BioBank
10	EAS Dataset	BioBank
11	BIRDS - LCFS Records	BioBank
12	Phase 1 surveys 1995	BioBank
13	Cheshire rECOrd Overlap	BioBank
14	iRecord Data General	BioBank
15	TBS General	BioBank
16	Landlife Herbarium Specimens	BioBank
17	Gilbert21 Ben Deed General	BioBank
18	Dave Earl Crassula helmsii	BioBank
19	RODIS General Susan Marley	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

20	RODIS General Andrew Clark	BioBank
21	Tony Carter Fungi 2011	BioBank
22	Tom Eccles Notebooks	BioBank
23	Butterfly Conservation Butterflies	BioBank
24	Lancashire and Cheshire Fauna Society Odonata	BioBank
25	Lancashire Moth Group macro-moths	BioBank
26	Liverpool Museum Bats	BioBank
27	BCT NBMP Survey Data	BioBank
28	Mammal Society	BioBank
29	Merseyside & West Lancashire Mammal Group 2010	BioBank
30	Daniel Foy General	BioBank
31	Red Squirrel Project	BioBank
32	Dave Earl Mammals to May 2010	BioBank
33	RODIS Admin	BioBank
34	David Bond General	BioBank
35	Joan Boardman General	BioBank
36	Lancashire and Cheshire Fauna Society Journals	BioBank
37	Merseyside & West Lancs Bat Group	BioBank
38	Liver Bats Surveys 2007	BioBank
39	Michael Woods Associates	BioBank
40	Louise Wisniewski Bats	BioBank
41	Botanical Society of Britain and Ireland	NBN
42	Natural England	NBN
43	Dragonfly Recording Network	NBN
44	Derbyshire Biological Records Centre	NBN
45	Biological Records Centre	NBN
46	People's Trust for Endangered Species	NBN
47	Northumberland Wildlife Trust	NBN



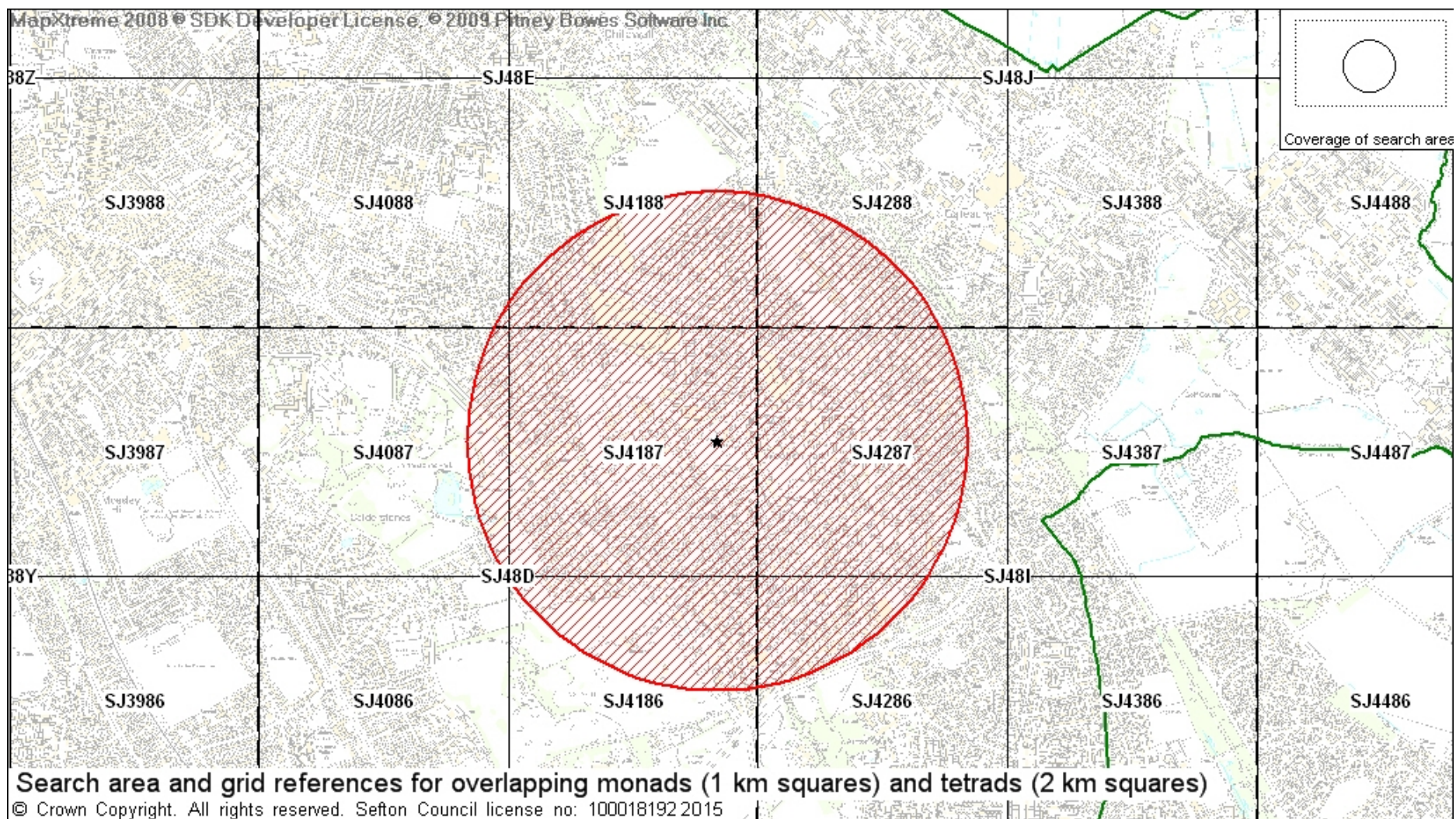
***The Local Biodiversity Records Centre
for North Merseyside***

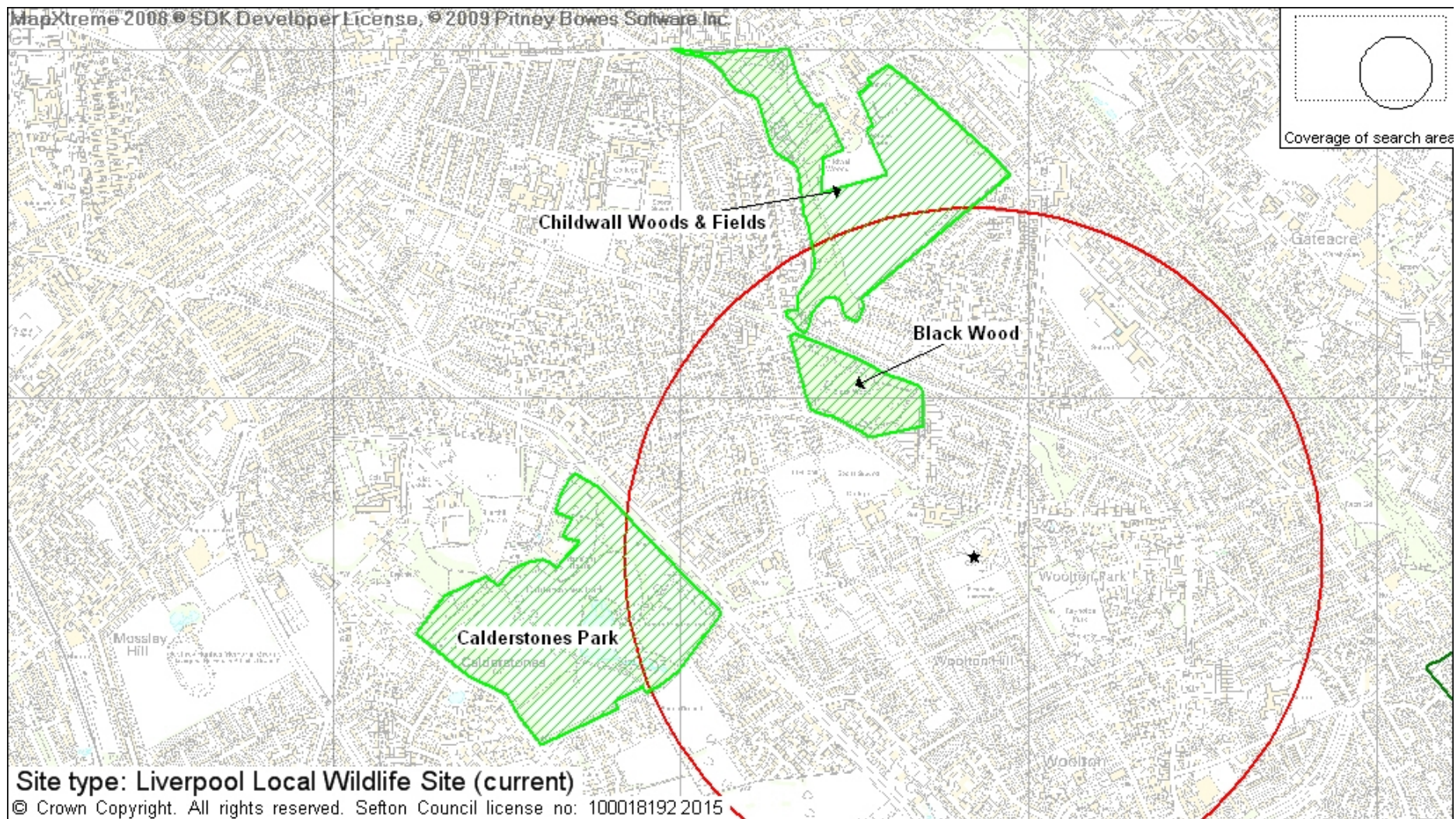
Merseyside BioBank,
Estate Barn, Court Hey Park
Roby Road, Liverpool
L16 3NA
Tel: 0151 737 4150
Info@MerseysideBiobank.org.uk

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.

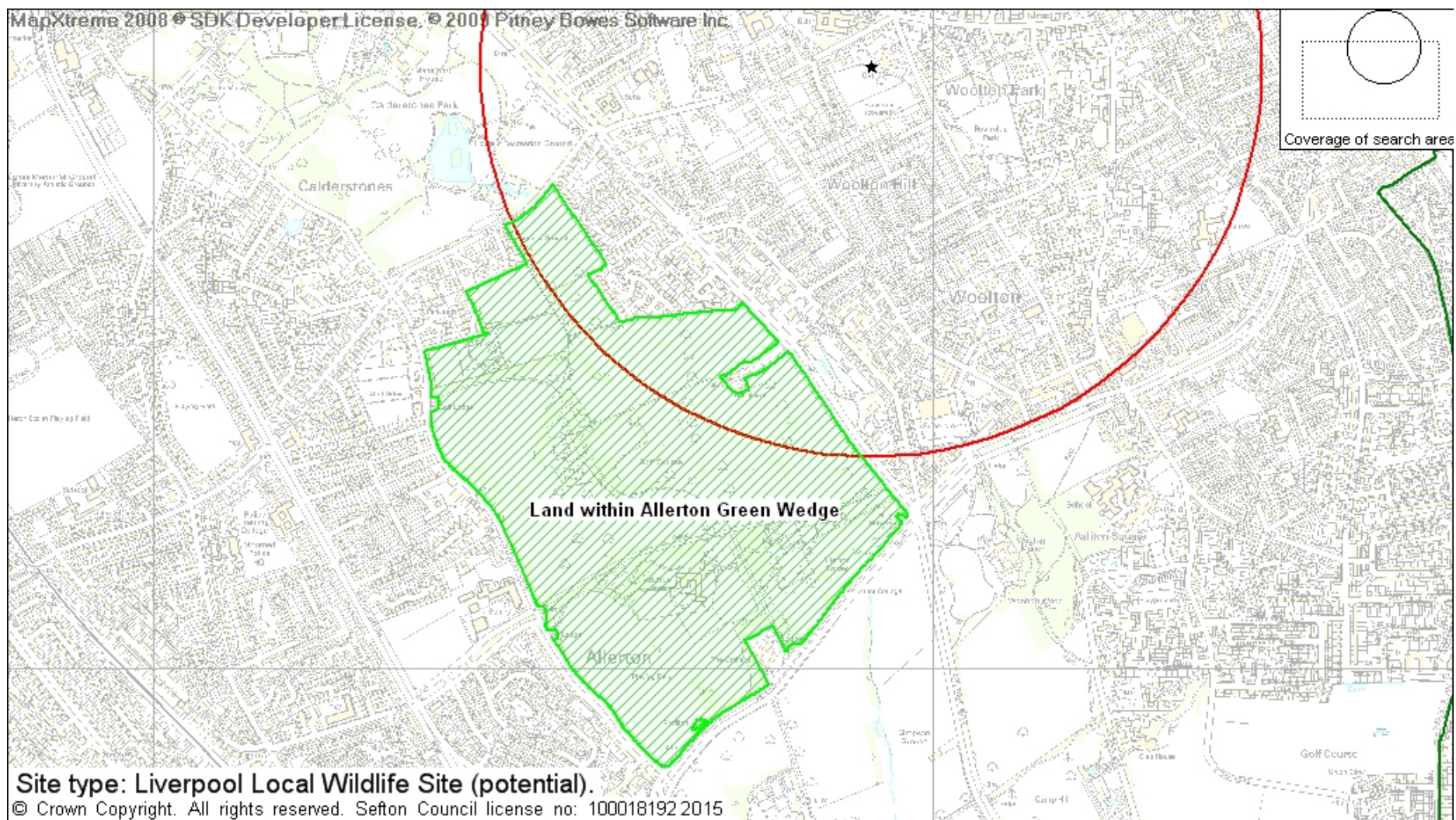
The Ordnance Survey mapping included in the maps provided by Merseyside BioBank under Sefton Council's licence from Ordnance Survey. These maps are provided to assist decision-makers in the effective and sustainable management of land, species and habitats. Ordnance Survey should be contacted directly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

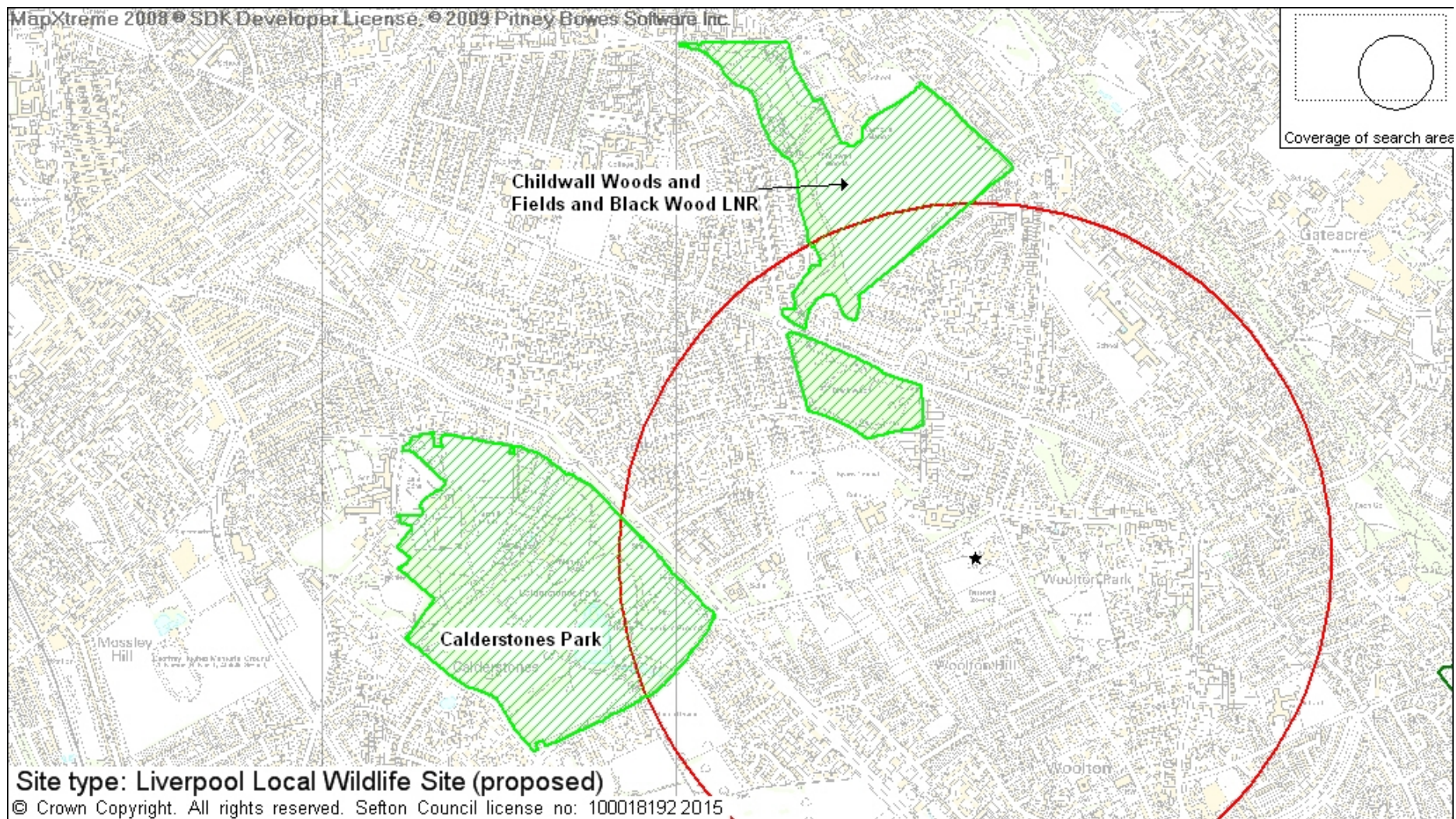




***The Local Biodiversity Records Centre
for North Merseyside***

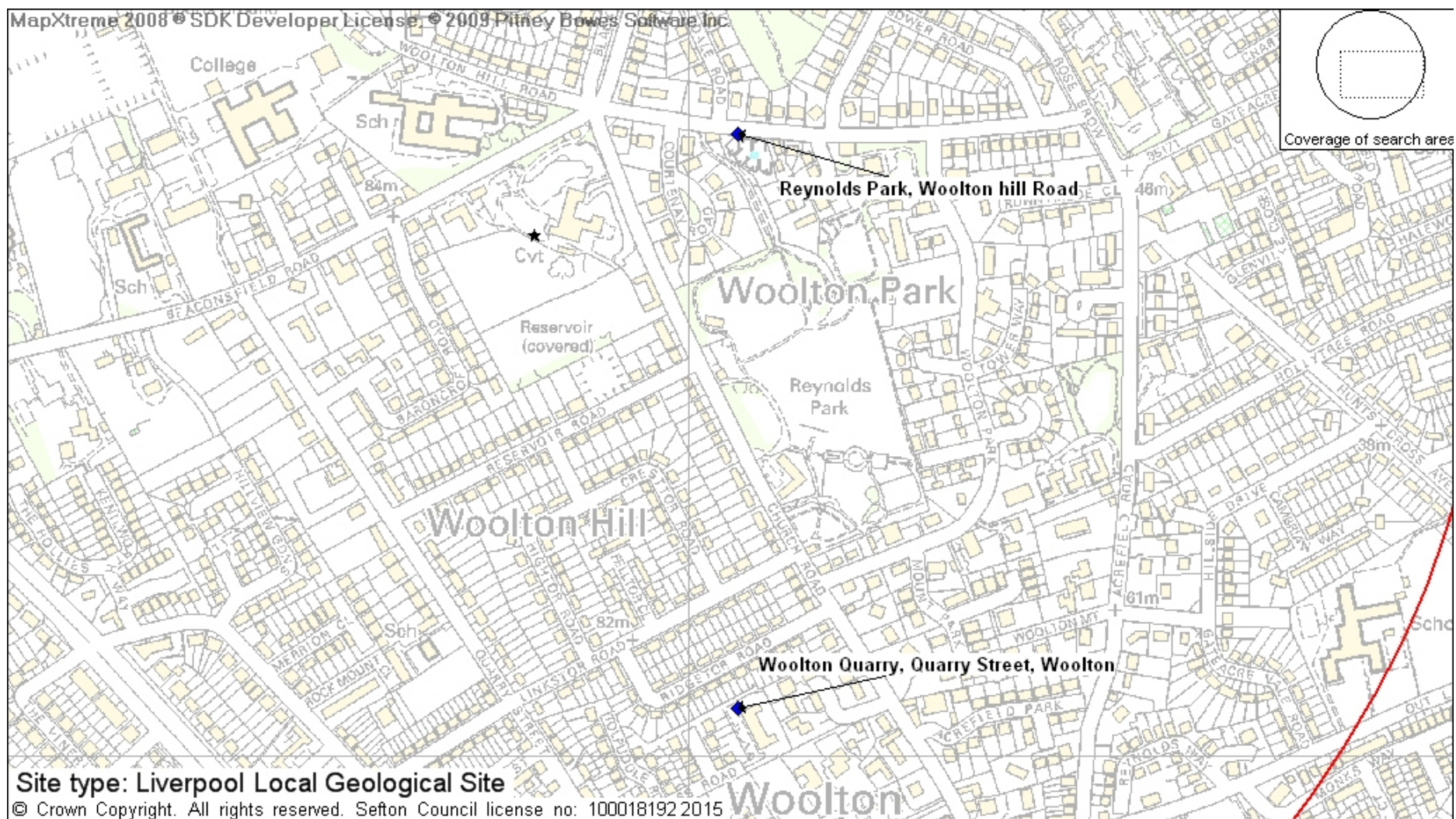
Merseyside BioBank,
Estate Barn, Court Hey Park
Roby Road, Liverpool
L16 3NA
Tel: 0151 737 4150
Info@MerseysideBiobank.org.uk





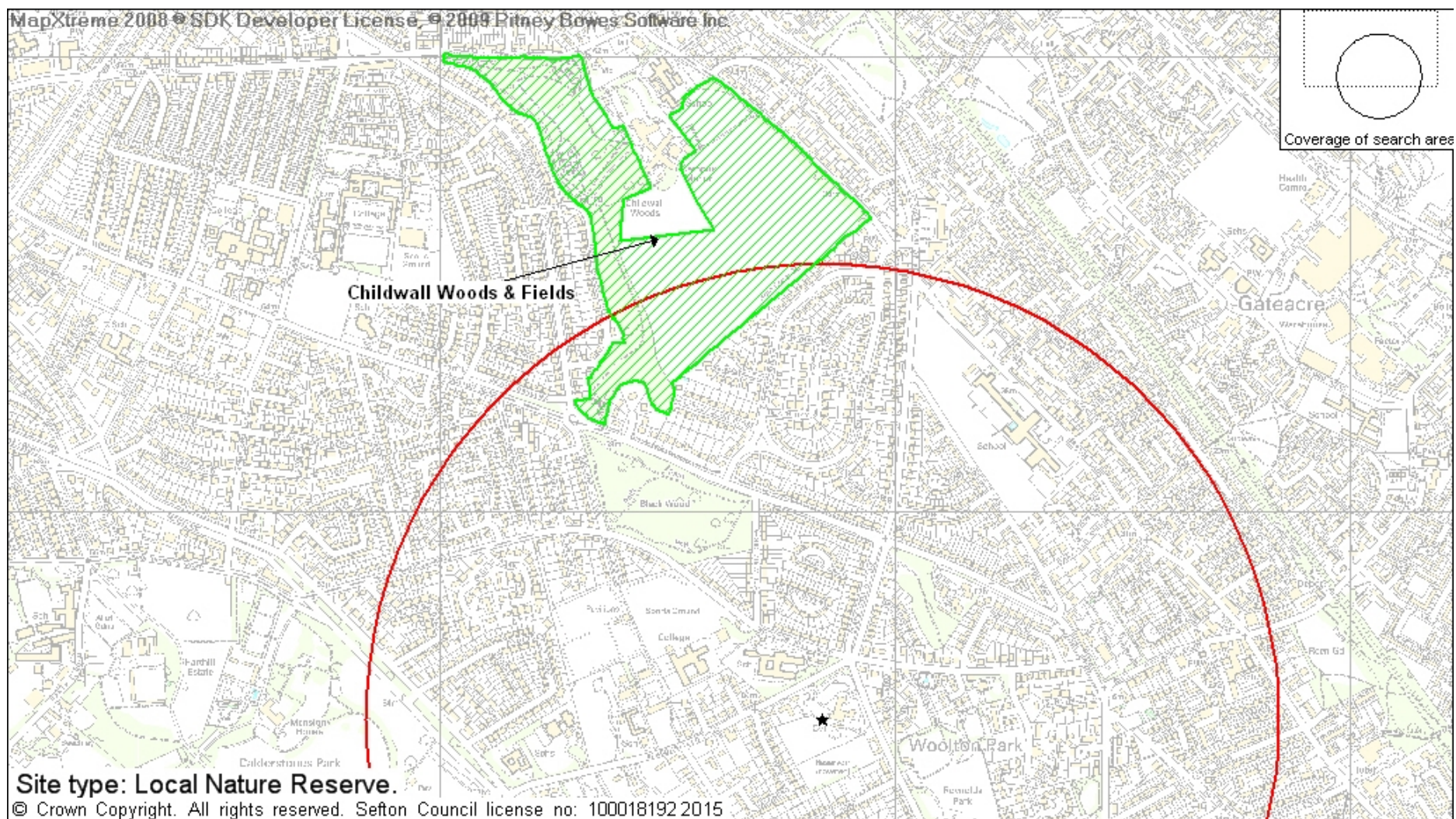
**The Local Biodiversity Records Centre
for North Merseyside**

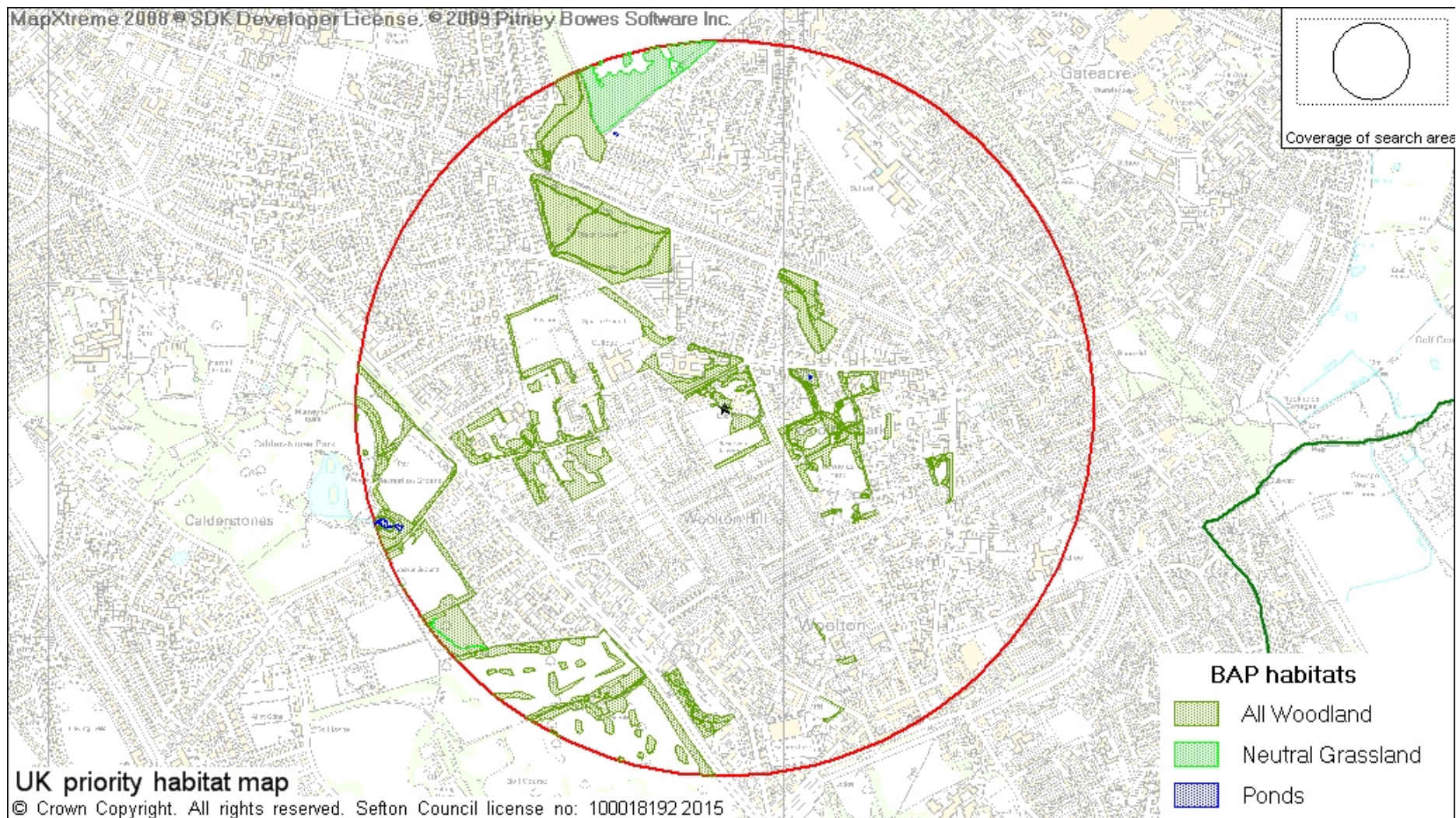
Merseyside BioBank,
Estate Barn, Court Hey Park
Roby Road, Liverpool
L16 3NA
Tel: 0151 737 4150
Info@MerseysideBiobank.org.uk



**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





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

