
STONE STREET POULTRY FARM, MADLEY
for
NIGEL GREEN



RESULT INDICATOR OF THIS SURVEY

- **RED.** Do not proceed. Without major modification this project will have significant adverse ecological & biodiversity impacts. It will not be sustainable or compliant with current legislation and approved planning policy.
- **AMBER.** Caution. The proposals as conceived would have substantial negative impacts and cannot achieve a “No Net Loss” outcome unless changes are made to avoid, mitigate/restore or, as a last resort, compensate the ecological impacts. With such changes, the project is considered feasible, however.
- **GREEN.** The proposals have no or only minor adverse impacts on ecology & biodiversity, and some gains. The project can proceed providing all the recommendations are met, enforced and monitored.

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Betts Ecology

Bank House Martley Worcester WR6 6PB United Kingdom
T +44 (0)1886 888445 E nature@bettsecology.com www.bettsecology.com

N.B. Information on legally protected, rare or vulnerable species may appear in ecological reports. In such cases it is recommended that appropriate caution be used when circulating copies.

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¹ Incorporates “Phase 1” habitat plan, walkover survey for protected and notable species and habitats, and appraisal in context of biodiversity and planning policies.



NB. THIS REPORT FORMAT IS DESIGNED TO COMPLY WITH STATUTORY AUTHORITY (e.g. Natural England) RELEVANT STANDING ADVICE. FURTHER STUDIES MAY BE REQUIRED WHERE THERE IS EVIDENCE OF PROTECTED SPECIES OR IF OTHER NOTABLE ECOLOGICAL FACTORS ARE FOUND.

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Baseline Site Ecological Audit

PROJECT DATA – BASELINE ECOLOGICAL SITE AUDIT	
Surveyor	Kevin McGee
Date of site risk assessment	23 June 2015
Site address	Stone Street Poultry Farm, Stone Street, Madley, Herefordshire. HR2 9NQ
Project proposed	Eight new poultry units
Boundary as specified by client	YES
Site area (ha) & central OS Grid Ref.	7.0 ha. Ordnance Survey Grid Reference: SO 42097 37278
Survey date	23 June 2015

REPORT CONTROL	
General Report Information	
Ecologist	 Kevin McGee
Date report issued	05 February 2016
Contract manager	 Natalie Loben

Report Version Control

Version	Date	Author	Description
1.0	25 June 2015	Kevin McGee	Document created
2.0	05 February 2016	Kevin McGee	Document completed

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WORK NEEDED FOR COMPLIANCE AS REVEALED BY THE SURVEY

RESULT INDICATOR OF THIS SURVEY
<p>● GREEN. The proposals have no or only minor adverse impacts on ecology & biodiversity, and some gains. The project can proceed providing all the recommendations are met, enforced and monitored.</p>

Please note that, in determining the requirements listed below, Betts adopt an objective and independent view, taking account of current legislation and the official guidance published by, or used by, Local Planning Authorities and the Statutory Agencies whom they consult². The objective is always to inform the project's proponents within a framework of the published policies of European, national and local governments on ecology and biodiversity, as may be relevant to the circumstances of the case, but always proportionately and based in science.

REQUIRED FURTHER WORK (PROTECTED SPECIES & HABITATS)	
Is further work needed to eliminate doubt regarding presence of notable species or habitats, or for any regulatory compliance?	Some, yes
Work required if "yes":	Reason
To avoid the risk of infringement of regulations, conduct a pre-clearance search of all areas of the site to be developed using suitably qualified ecological scientists under a Betts Method Statement or one formally pre-agreed by us immediately prior to site stripping to move any vulnerable taxa to safety or allow other necessary precautions to be taken prior to the commencement of development activity.	To comply with legislation and good practice.
Undertake site clearance outside the bird nesting season (usually taken as March to mid-August inclusive in this part of Britain). If this is unavoidable pre-clearance inspection by a suitably experienced ornithologist will be required to identify whether any nests are present, and ensure appropriate action is taken. A skylark was in-flight and calling above the proposed development site where they are likely to breed; depending on the crop-type.	To comply with wild birds' legislation.

² The regulatory context includes the Wildlife & Countryside Act, Habitats & Species Regulations, Habitats Directive, Birds Directive, Berne Convention, Bonn Convention, Countryside & Rights of Way Act, Natural Environment and Rural Communities Act, Convention on Biological Diversity (Rio de Janeiro, Nagoya/Aichi – UK Post-2010 Biodiversity Framework), British Standard 42020: 2013, Chartered Institute of Ecology & Environmental Management ecological impact assessment guidance, etc.

Baseline Site Ecological Audit

<p>Please be aware that any demolition, refurbishment or other works that have potential to harm or disturb bats should not take place until further surveys are undertaken and appropriate mitigation measures developed.</p> <p>The surrounding woodland edge, and the land to the south and east belonging to the Madley Environmental Study Centre provide good foraging habitat for bats.</p>	<p>For reasons of legal, planning and environmental policy compliance and current best practice for European Protected Species.</p>
<p>If possible, use native planting (preferably of local origin) in all landscaping. Where exotic species are planted, always avoid invasive species and choose those with wildlife value such as for nectar or shelter. (A selection of species is available from us).</p>	<p>For reasons of NPPF and environmental policy compliance and current best practice. To help assure No Net Loss of Biodiversity policy is upheld.</p>

REQUIRED FURTHER WORK FOR REGULATORY & GOOD PRACTICE COMPLIANCE	
Is further work recommended to observe ecological best practice and/or planning policy as recognised by the various statutory authorities at local, regional, national or European levels as may be applicable (enter the specific policies' references if required here)?	Yes
Work required if "yes":	Reason
<p><u>Important</u></p> <p>An area of land at the south-east of the proposed development site is occasionally at risk of seasonal flooding. It is important that it should be impossible for pollution from poultry units located close to this zone entering nearby water-courses. Betts Ecology has been assured that the designs for the safe drainage of pollutants from the units meet the highest possible regulatory standards. Betts Ecology have also been informed that the development includes plans to augment the conservation value of the area close to Cage Brook at the south-east of the site with the provision of attenuation ponds and planting of suitable native trees and shrubs. This would enhance the existing nature reserve owned and managed by the neighbouring Madley Environmental Study Centre (MESC).</p>	<p>To comply with current planning and biodiversity policies.</p>
<p>Embody Green Infrastructure protocols in landscaping and ensure ecological linkage out from and into the site. To follow government policy, ensure that the "carbon footprint" of all aspects of the project and its future operation is compliant with current best practice. This may include taking appropriate steps to avoid or reduce the use of fossil fuels, employing scientifically sound carbon offset/CO₂ sequestration and instating renewable energy technologies. Ensure the measures agreed are quantified, independently verified and monitored.</p>	<p>For reasons of planning and environmental policy compliance and current best practice.</p>
<p>Retain mature trees and established native hedgerows on site and at the periphery by designing around them. Protect trees in line with BS 5837 and do not remove</p>	<p>Compliance with British Standards, biodiversity No Net Loss, preservation of Ecosystem Services and reasons of</p>

REQUIRED FURTHER WORK FOR REGULATORY & GOOD PRACTICE COMPLIANCE	
<p>ivy, mistletoe, standing dead wood, snags or rot unless there is a clear and material safety risk or presence of a serious pathogen. (Ask for advice from a qualified silvicultural ecologist if in doubt.)</p> <p>In line with best practice and compliance with government policy on biodiversity protection and enhancement, generally retain habitats and features of manifest ecological interest and wildlife value (seeking further advice from us if uncertain) within the development proposals. Create new wildlife habitats appropriate to the site's context, <i>e.g.</i> through the use of log piles, "wild" corners and native planting; install eight bird, eight bat and eight invertebrate boxes including "bee bricks", of mixed designs and incorporate these into the project's landscape scheme. (We can provide specific recommendations for models and siting on request but they must be of good quality and durable.) Bat and bird boxes must be inspected annually and replaced when needed (usually after ten years).</p>	<p>planning and environmental policy compliance and current best practice.</p>
<p>Design and incorporate Sustainable Drainage Systems (SuDS) in agreement with any requirement from the Environment Agency or other relevant authority.</p> <p><u>It is particularly important that pollution from the new poultry units is prevented from entering the water-courses and ponds belonging to the Madley Environmental Study Centre (MESC) to the south-east, especially in light of the fact that a part of the development site bordering the MESC is prone to seasonal flooding.</u></p> <p><u>Betts Ecology have been assured that the drainage designs for the proposed units are rigorous and meet the highest possible regulatory standards in order to prevent pollution during floods.</u></p>	<p>To uphold sustainable drainage policy and related catchment protection.</p>

RESULTS – WHAT WE FOUND

Objectives

The objectives of this commission were to:

- conduct a baseline "extended" ecological survey and appraisal of the site and identify notable factors/features (including signs of/potential for bats and great crested newts);
- prepare a Phase 1 Habitat Map with Target Notes to recognised standards;
- produce a summary of results;
- provide appropriate recommendations for protected species, biodiversity protection/ enhancement, *etc.*

Methods and Limitations

The site was surveyed using appropriate methods generally following NCC (1990)³ for Phase 1 habitat survey, with procedures appropriately selected from Institute of Environmental Assessment (1995)⁴ and Jermy *et al.* (1995)⁵ for species and any specialist habitat appraisal as required, and/or the current guidance on survey methods and Ecological Impact Assessment from the Institute of Ecology and Environmental Management (e.g. IEEM 2012, IEEM 2007 and updates⁶) with further reference to British Standard 42020⁷ as appropriate.

It should be noted that, whilst the investigation of the site was appropriately intensive within the intended framework of the commission, and we feel it is unlikely that significant matters have been overlooked, a single visit will inevitably miss species not apparent on the date of survey by reason of seasonality, mobility, habits or chance. The month of June is within the optimal survey period for most relevant taxa of nature conservation interest in this part of the United Kingdom, and within the period acceptable for Phase 1 habitat mapping and baseline surveys of the kind commissioned provided the limitations are noted.

It should always be recalled that wildlife surveys of the kind required for planning and development or similar project purposes are seldom granted sufficient time or resources to examine plants, invertebrates or fungi in great detail, yet these are the fundamental elements of ecosystems that provide the niches and habitats for larger fauna to exploit. In an ideal world, all surveys would include results of full sampling of vascular and non-vascular plants, micro- and macro-invertebrates and mycological status at individual, population and community levels. As that involves skills, time and expense well beyond what is available, we ask readers of our general survey reports to understand that we do consider the larger species we record in their wider ecosystem context and take into account the impacts of proposals at an ecosystem level when prescribing avoidance, mitigation, enhancement and/or compensation.

³ Nature Conservancy Council (1990). *Handbook for Phase 1 habitat survey – a technique for environmental audit*. Nature Conservancy Council, Peterborough, UK.

⁴ Institute of Environmental Assessment (1995). *Guidelines for Baseline Ecological Assessment*. E & FN Spon, London, UK.

⁵ Jermy, A.C., Long, D., Sands, M.J.S., Stork, N.E. and Winser, S. (Eds) (1995). *Biodiversity assessment: a guide to good practice*. Department of the Environment/HMSO, London, UK.

⁶ Institute of Ecology and Environmental Management (2007). *Guidelines for Ecological Impact Assessment in the United Kingdom*. IEEM, Winchester, UK. Institute of Ecology and Environmental Management (2012 Revised 2nd Edition). *Guidelines for Preliminary Ecological Appraisal*. IEEM, Winchester, UK.

⁷ British Standards Institute (2013). *British Standard 42020: 2013 Biodiversity. Code of practice for planning and development*. British Standards Institute, London, UK.

General site description

The proposed development site occupies 11.7 ha of land alongside a disused runway that once formed part of RAF Madley. This is a rural location in an area of low-lying fertile land predominately used for intensive arable farming. There was a crop of potatoes on the development site during this survey. Parts of the surrounding land are prone to seasonal flooding. There are scattered commercial orchards, and there is a golf-course and leisure complex nearby. An area of land to the north-east of the proposed development site is owned by British Telecom; there are several large satellite dishes on the site. Parts of the BT land are managed for wildlife by the Madley Environmental Study Centre: there are wooded areas, grasslands and three ponds, two of which are stream-fed. An assessment was made of their suitability for great crested newts and a Habitat Suitability Index (HSI) calculated for each. The surveyor also briefly inspected each pond and the surrounding terrestrial habitat for the presence of newts during this survey. The two stream-fed ponds achieved a high index score of 0.91, the rain-fed pond scored 0.14. Therefore, given the geographical location and the area's records, the two stream-fed ponds are optimal habitat for supporting a population of great crested newts. The rain-fed pond is unlikely to support great crested newts.

The village of Madley is approximately 2 km to the north. From there the B4352 can be used to travel to the city of Hereford approximately 5 km to the east. The site is accessed by vehicle *via* Stone Street at the northern boundary where there are two existing poultry sheds. A rough track following the former runway to the west allows further access towards two more existing poultry sheds at the centre of the site. The whole site area surveyed was 11.7 ha, but the area of the proposed development will occupy 7.0 ha within the whole site.

Trees and woody shrubs recorded in and along the boundaries were elder, ivy, bramble, birch, sallow, willow, sycamore, rowan, apple, hawthorn, blackthorn, dog-rose, alder, and ash. The majority of the vascular plants recorded were found around the field edges and as ephemerals in areas of hard-standing around the existing poultry units and the edge of the disused runway. The species recorded were ribwort plantain, yarrow, common nettle, creeping thistle, spear thistle, hogweed, cow

parsley, hemlock, field forget-me-not, common field speedwell, thyme-leaved speedwell, common mouse-ear, common ragwort, curled dock, broad-leaved dock, common fumitory, cleavers, scarlet pimpernel, red dead-nettle, prickly sow-thistle, knotgrass, common stork's-bill, scentless mayweed, goat's-beard, smooth hawkweed, field bindweed, musk mallow, white stonecrop, square-stemmed willowherb, buckwheat, mugwort, petty spurge, viper's bugloss, ox-eye daisy, dandelion, creeping buttercup, common vetch, creeping cinquefoil, cut-leaved crane's-bill, groundsel, black medick, field pansy, naturalised oil-seed rape, common mallow, teasel, weld, white clover, red clover, common poppy, white campion, red campion, rosebay willowherb, perforate St. John's-wort, common bird's-foot trefoil, common knapweed, self-heal, yellow-rattle and hard rush. The grass species recorded were perennial rye-grass, cock's-foot, barren brome, red fescue, Yorkshire-fog, rough meadow-grass and false oat-grass.

Results Table

ITEM	OBSERVATIONS
Habitats & Vegetation (NB. Please be aware that several designated habitat types and many plants enjoy legal protection in Britain.) Please see general site description above.	
Target Note (TN) 1 (for location of TNs please see plan below)	TN 1 is a narrow linear strip of species-rich uncultivated ground forming the boundary between the former runway and the southern field (see Plate 1). There is an interesting variety of vascular plants growing along this boundary, including the locally uncommon viper's-bugloss (see Plate 4) and white stonecrop. These species are present because of the arid conditions provided by the surface materials used to construct the former runway.
TN 2	TN 2 is a belt of trees and shrubs, some recently planted, forming the southern boundary of the proposed development site (see Plate 3). There is an interesting variety of ground flora here, and it is also important as a buffer zone between the development site and the conservation scrub and grassland to the south owned by the Madley Environmental Study Centre (MESC).
TN 3	TN 3 is the developing area of conservation scrub and grassland to the south of the site owned by the MESC (see Plate 5). A pair of whitethroats were considered highly likely to be breeding here during this survey, and a male reed bunting was seen. Both species are on the British Trust for Ornithology (BTO) amber list of conservation concern following population declines.
TN 4	TN 4 is an area of low-lying grassland at the south-east of the proposed development site, dissected by the high security fencing surrounding the BT complex and the MESC (see Plate 7). This area is prone to seasonal flooding by Cage Brook and is close to where the southernmost new poultry units will be located. It is important that rigorous drainage systems, and the overall designs of the constructions, will assure that pollution entering nearby water courses in the event of seasonal flooding is impossible.
TN 5	<p>TN5 is a stream-fed pond to the north-east approximately 100 metres from where the nearest new poultry unit will be located. The stream is Cage Brook, which has a non-statutory designation as Special Wildlife Site (SWS). A separate Habitat Suitability Index (HSI) for great crested newts was not calculated for this pond as it is ecologically so similar to the one at TN6 (below) and the score will be the same for survey purposes.</p> <p>Search by an ecologist of all areas of the site to be developed will be required immediately before any groundworks commence.</p>

ITEM	OBSERVATIONS
TN 6	<p>TN 6 is a stream-fed pond to the north-east approximately 168 metres from where the nearest new poultry unit will be located (see Plate 8). The stream is Cage Brook, which has a non-statutory designation as Special Wildlife Site (SWS). It is identical in nature to TN 5. It has been titled as Pond 1 for this report. A Habitat Suitability Index (HSI) was calculated for this pond. The result was a score of 0.91 (see Table 1), meaning that this is optimal breeding habitat for great crested newts and, given the records in the area, they may well occur there. However, because this pond is presently managed and afforded a level of protection as a wildlife sanctuary no further newt aquatic survey work will be required. Please see further comments for great crested newts on page 14 of this report.</p> <p>As above, search by an ecologist of all areas of the site to be developed will be required immediately before any groundworks commence.</p>
TN 7	<p>TN 7 is a rain-fed pond to the north-east approximately 146 metres from where the nearest new poultry unit will be located (see Plate 9). It has been titled as Pond 2 for this report. A Habitat Suitability Index (HSI) was calculated for this pond. The result was a score of 0.14 (see Table 1), meaning that there is a poor habitat for great crested newts.</p> <p>Again, search by an ecologist of all areas of the site to be developed will be required immediately before any groundworks commence</p>
Statutory designations (on/near)	<p>A public records search was commissioned which revealed that Littlemarsh Common SSSI (Site of Special Scientific Interest) lies within 2 km of the site to the north-west, at a distance of approximately 1.9 km away.</p> <p>Cage Brook flows within 100 metres of the south-east boundary of the proposed development site, where it is prone to seasonal flood events. The brook then follows a course flowing to within 0.2 km of the southern boundary of Littlemarsh Common SSSI. Littlemarsh Common is a low-lying wetland of particular importance for uncommon semi-aquatic plant communities. Any pollution from the proposed development entering Cage Brook could possibly have a detrimental effect on this SSSI. It is therefore important that rigorous drainage systems, and the overall designs of the constructions, will assure that pollution entering Cage Brook in the event of seasonal flooding is impossible.</p>
Non-statutory designations (on/near)	<p>A public records search revealed five Local Wildlife Sites wholly or partially within 2 km of the site. Two ponds at Castle Farm approximately 0.7 km to the north-west, Bucknall's Wood approximately 2 km to the north-west, Kingstone Common approximately 0.9 km to the south-east, and all of Cage Brook which flows towards the north-east. Cage Brook flows within 100 metres of the south-east boundary of the proposed development site, where it is prone to seasonal flood events.</p>
Notable hedgerows, woodland or scrub	<p>There are no notable hedgerows or woodland. There is a notable area of scrub and grassland belonging to the MESC at the south of the proposed development site.</p>

Baseline Site Ecological Audit

ITEM	OBSERVATIONS
Ecologically notable trees (e.g. veteran, wildlife significant) ⁸	None present on site.
Ponds/water courses	Cage Brook, which has a non-statutory designation as Special Wildlife Site (SWS), flows to within 100 metres of the south-eastern site boundary where it feeds two ponds (see Target Notes 5 & 6). A third pond nearby is rain fed (please see Target Note 7). All of these ponds and Cage Brook are outside the property boundary; however, Cage Brook is prone to seasonal flooding in a low-lying area very close to where the southernmost new poultry units are to be located. It is therefore important that rigorous drainage systems, and the overall designs of the constructions, will assure that pollution entering Cage Brook in the event of seasonal flooding is impossible.
Notable communities	None present on site.
Notable vascular plants	Locally uncommon plants in the vicinity of the border with the former runway are viper's bugloss and white stonecrop (see Plate 4).
Notable bryophytes/algae	None observed on site.
Notable lichens	None observed on site.
Notable fungi	None observed on site.
Other notable habitats/vegetation	The linear strip of rough grassland and ephemeral vegetation forming the western boundary of the proposed development site where it meets the former runway is not notable, but it is nevertheless botanically interesting within the context of this geographical location (see Plates 1 & 3).
Features that should be retained	The linear strip of uncultivated ground forming the border with the disused runway at the south of the site should be retained (Target Note 1). The belt of trees, shrubs and scrub (Target Note 2) forming the boundary with the conservation grassland owned by the MESC should also be retained.
Mammals (NB. Several species and their habitats have very strict protection in British/European law.)	
Badger	None observed on site, but are likely to occur. A public records search was commissioned for this project. The search revealed one record from 2014 of a dead badger within a 2 km radius of the site.
Otter	None observed on site, but could possibly occur at the water-courses in the neighbouring property to the south-east. A public records search was commissioned for this project. The search revealed two records from 2003 of otters within a 2 km radius of the site.

⁸ Please note that we do not check TPO status as this is a landscape/amenity planning classification.

Baseline Site Ecological Audit

ITEM	OBSERVATIONS
Other mustelids	None observed on site, but could possibly occur.
Bats	There are two poultry sheds still in production at the centre of the proposed development site that will be demolished. The heat and the presence of powerful extractor fans makes these sheds unsuitable for bats; therefore no further surveys will be required. No suitable trees that could be used by roosting bats present on site. The woodland edge to the east, and the conservation grassland to the south belonging to the MESC, provide ideal habitats for bats to feed in at night. A public records search was commissioned for this project. The search revealed fourteen records of brown long-eared bat between 2004 and 2009, twenty records of common pipistrelle from 2008, one record of Daubenton's bat from 2007, two records of lesser horseshoe bat from 2004, seven records of Natterer's bat from 2003, four records of noctule bat from 2003, and ten records of soprano pipistrelle from 2000, all within a 2 km radius of the site. Many of the records are from a site 0.3 km to the south.
Water vole	No suitable habitat on site, but could possibly occur at the water-courses in the neighbouring property to the south-east. A public records search was commissioned for this project. The search revealed two records of water vole within a 2 km radius of the site, these were from 1989 and 1990.
Common or hazel dormouse	No suitable habitat on site. A public records search was commissioned for this project. The search revealed one record from 2008 of dormice within a 2 km radius of the site, approximately 0.5 km to the north-west.
Deer	None observed on site, but are likely to occur.
Hedgehog	None observed on site, but could possibly occur. A public records search was commissioned for this project. The search revealed four records from 2006 of hedgehogs within a 2 km radius of the site.
Shrews	None observed on site, but are likely to occur.
Others	Foxes and grey squirrels are likely to use the site as well as brown rats/mice/voles. Rabbits and mole-hills were observed during this survey.
Birds (NB. With the exception of eleven derogated pest or very common species, the Wildlife and Countryside Act (1981 and amendments) gives protection to all wild birds in Britain from killing, injuring or taking as well as taking, damaging or destroying nests in use or being built, and taking or destroying eggs. Many species are also protected by European and international statutes. ⁹)	
Red list	A skylark was calling from in-flight above the site.

⁹ Please also see www.rspb.org.uk/wildlife/birdguide/status_explained.aspx and www.bto.org/sites/default/files/u38/downloads/home-news/2011-11/SUKB%202011%20final.pdf for red and amber lists etc., and explanations.

Baseline Site Ecological Audit

ITEM	OBSERVATIONS
Amber list	A lesser black-backed gull flew overhead to the west. Four swallows were flying around the vicinity of the two poultry units presently at the centre of the site. Two whitethroats were occupying breeding territory in the plantation belt at the south of the site (Target Note 2). A male reed bunting was in the environmental area at the south of the site (Target Note 3).
Active nests	None observed during the survey, but several species were likely to be breeding in the more overgrown areas around the site boundaries and existing poultry units during this survey visit.
Other	Other birds recorded during the survey were buzzard, jackdaw, crow, magpie, pied wagtail, great tit, blue tit, chiffchaff, blackcap, goldfinch, wren, robin, blackbird, wood pigeon and great spotted woodpecker.
Comments on ornithology	<p>Ideal habitat exists in the belt of trees and scrub at the south of the site (Target Note 2) where a variety of bird species can breed and forage for food. Two declining species associated with farmland habitats close to water-courses were observed here, a pair of whitethroat and a male reed bunting. The species-rich strip of uncultivated land at nearby Target Note 2 provides good habitat for a wide range of invertebrates which are the food source that fledgling birds need to survive to adulthood.</p> <p>The provision of attenuation ponds as part of the SuDS at the south-east of the site, along with the planting of native trees and shrubs, will enhance the area for birds and wildlife generally.</p>
Herpetofauna (NB. The grass snake, slow-worm, viviparous (common) lizard and adder (viper) are all protected from intentional killing and injury under Schedule 5, Section 9(1), of the Wildlife and Countryside Act as amended/reinforced by the CROW Act 2000. They are also protected under Schedule 5, Section 9(5) which prohibits selling, offering for sale, possessing or transporting for the purpose of sale, or advertising for sale, any live or dead animal, or any part of, or anything derived from the species. Other species and their habitats have stricter protection at national and European levels.)	
Adder	No suitable habitat present.
Grass snake	None observed on site, habitat not optimal. Likely to occur in the vicinity of the ponds in the neighbouring property to the south-east. A public records search was commissioned for this project. The search revealed no records of grass snake within a 2 km radius of the site.
Slow-worm	None observed on site. Several likely refugia were overturned in a general search for reptiles and amphibians but none were found. A public records search was commissioned for this project. The search revealed no records of slow-worm within a 2 km radius of the site.
Common lizard	<p>None observed on site, but could possibly occur along the western boundary in the arid areas alongside the former runway. Several likely refugia were overturned in a general search for reptiles and amphibians but none were found.</p> <p>A public records search was commissioned for this project. The search revealed no records of common lizards within a 2 km radius of the site.</p>

ITEM	OBSERVATIONS
Rarer reptiles	No suitable habitat present and not found in this area.
Great crested newt	<p>Please refer to the earlier notes for ponds/water courses, and also Target Notes 5, 6 and 7. Habitat Suitability Indexes (HSI's) were calculated for TN 6 and TN7. TN 6 (and by inference TN5 – see above) received a high score of 0.91 which therefore means they are excellent habitat for supporting great crested newts (see Table 1). TN 7 received a low score of 0.14, which therefore means that it has a low likelihood of supporting a population of great crested newts (see Table 1).</p> <p>Terrestrial habitat on the proposals site is not suitable for great crested newts because it is in continual use for intensive arable production. There was a crop of potatoes occupying all of the proposals site during this survey. Such environments are hostile for great crested newts.</p> <p>A public records search was commissioned for this project. The search revealed nineteen records from 2006 for great crested newts within a 2 km radius of the site. Many of the records are from a site 0.3 km to the south.</p>
Natterjack toad	No suitable habitat and not found here.
Other amphibia	<p>None observed on site, but common frogs and common toads are likely to occur, especially in the south-east of the site and along the woodland boundary to the north-west. Several likely refugia were overturned in a general search for reptiles and amphibians but none were found.</p> <p>A public records search was commissioned for this project. The search revealed eighteen records for common frogs, nine records for common toads, four records for palmate newts and thirty two records for smooth newts within a 2 km radius of the site. A number of the records are from a site 0.3 km to the south. This further adds to the weight of the suggestion that the new units would better be placed in the field to the north.</p>
Fish (NB. Various levels of legal protection.)	
Significant fishery	N/A. No suitable aquatic habitat present.
Bullhead	Could possibly occur in the nearby Cage Brook.
Shad	N/A. No suitable aquatic habitat present.
Lampreys	N/A. No suitable aquatic habitat present.
Salmonids	N/A. No suitable aquatic habitat present.

Baseline Site Ecological Audit

ITEM	OBSERVATIONS
Other notable fish	N/A. No suitable aquatic habitat present.
<u>Macro-invertebrates</u> (NB. Several species enjoy legal protection.)	
Notable assemblage (terrestrial)	None observed on site
Notable assemblage (aquatic)	N/A. No suitable aquatic habitat present on the proposed development site, but good habitat can be found along the course of Cage Brook, and the ponds associated with it, in the neighbouring property to the south-east.
Crayfish	N/A. No suitable aquatic habitat present.
Roman snail	No suitable habitat present.
Lesser silver water-beetle	No suitable habitat and not found in this part of the UK.
Stag beetle	No suitable habitat present.
Mining bees	A wide variety of species are likely to nest in old beetle holes in dead wood throughout the site. Ground nesting species are likely to nest in the bare ground around the field margins and adjacent to the former runway, especially in sheltered sunny places.
Other notable spp or groups	None.
Notable invertebrate habitat	Entomological interest is likely to be associated with the linear strip of uncultivated land forming the boundary between the disused runway and the southern field at Target Note 1 has a high plant species-richness. Furthermore, a number of these plant species are locally uncommon (see Plate 4). The arid nature of the ground here is because of the materials used during the construction of the runway, and the exposed situation. A number of xerophytic plants and invertebrates thrive in these conditions, but such places are scarce in this region. This habitat is better described as 'locally interesting' rather than 'notable'. Four common blue butterflies and a single painted lady butterfly were observed here, along with more common species.
<u>Invasive Alien Species (IAS) and pathogens</u> (There are an increasing number of these being listed by authorities. More and more are becoming subject to regulatory control within criminal law that carries significant sanctions.)	
IAS (plants) (Wildlife & Countryside Act Article14, Schedule 9.)	None observed on site.

ITEM	OBSERVATIONS
Weeds Act natives (common ragwort, creeping and spear thistles, curled and broad-leaved docks)	Spear thistle, creeping thistle, common ragwort, curled dock and broad-leaved dock are present.
Other exotic plants that may cause problems.	None observed on site.
Invasive animals (signal crayfish, killer shrimp, oak processionary moth, harlequin ladybird, zebra mussel, grey squirrel, etc.)	Grey squirrels are likely to occur, and many harlequin ladybirds were observed.
<i>Phytophthora ramorum</i> and other serious plant diseases/pathogens (ash dieback, sudden oak death, etc.)	None observed on site.
<u>Policy¹⁰</u>	
Are there any known conflicts with local planning biodiversity policy (if so, please describe)?	None known.
Are there any known conflicts with national planning biodiversity policy (if so, please describe)?	None known.
Are there any known conflicts with European or international biodiversity policy (if so, please describe)?	None known.

Great Crested Newt Habitat Suitability Index Results

¹⁰ It is important that projects incorporate relevant elements of Green Infrastructure Planning (please see www.naturalengland.org.uk/ourwork/planningdevelopment/greeninfrastructure/default.aspx)
 “Green Infrastructure (GI) is a strategically planned and delivered network of high quality green spaces and other environmental features. It should be designed and managed as a multifunctional resource capable of delivering a wide

All ponds known to be present and accessible within 500 metres of the development site were assessed for their suitability to support great crested newts according to the Habitat Suitability Index (*sensu* Oldham *et alii* 2000). The Habitat Suitability Index (HSI) incorporates ten suitability indices (SIs), all of which are factors believed to affect this species. It is a numerical score where 0 indicates unsuitable habitat and 1 represents optimal habitats.

Categorisation of HSI Scores¹¹:

HSI	Pond Suitability
<0.5	= poor
0.5 - 0.59	= below average
0.6 - 0.69	= average
0.7 - 0.79	= good
>0.8	= excellent

NOTE: $HSI = (SI_1 \times SI_2 \times SI_3 \times SI_4 \times SI_5 \times SI_6 \times SI_7 \times SI_8 \times SI_9 \times SI_{10})^{1/10}$

Great Crested Newt Habitat Suitability Index

A Habitat Suitability Index (*sensu* Oldham *et al.* 2000) for great crested newts was calculated for two ponds as given below. Target Note 6 is one of two identical ponds fed by a Cage Brook to the east of the proposed development site on neighbouring property (see Plate 8). The HSI for just one was calculated for this report. Target Note 7 is a small rain-fed pond close to the two larger stream-fed ponds (see Plate 9).

Table 1: Habitat Suitability Index

HSI Factor	TN 6	TN 7	Notes
SI 1 - Location	1	1	Within the optimal geographic location.
SI 2 - Pond area	0.98	0.07	Ponds measured at their highest level.
SI 3 - Pond drying	0.9	1	Pond 1 never dries. Pond 2 dries no more than two years in ten, or only in drought.
SI 4 - Water quality	0.67	1	Pond 1 has moderate invertebrate diversity. Pond 2 has abundant invertebrate diversity.

¹¹ Taken from: *Habitat Suitability Index - guidance note* - produced by National Amphibian and Reptile Recording Scheme (NARRS).

Baseline Site Ecological Audit

HSI Factor	TN 6	TN 7	Notes
SI 5 - Shade (to 1m from edge)	0.7	1	Pond 1 has 75% shade. Pond 2 has 0% shade.
SI 6 - Fowl	0.67	0.67	Waterfowl present (mallard, moorhen), but little indication of impact on pond vegetation.
SI 7 - Fish	0.33	0.33	Small numbers of fish, including sticklebacks, present in each pond.
SI 8 - Ponds	1	1	Four ponds within 1 km.
SI 9 - Terrestrial habitat	1	1	Extensive areas of good habitat for foraging and shelter surrounding each pond.
SI 10 - Macrophytes	1	0.95	Both ponds have over 80% of macrophyte cover.
HSI Score	0.91	0.14	
Pond Suitability	Excellent	Poor	

Ecosystem Services

ECOSYSTEM SERVICES	YES/NO	COMMENT/ACTION REQUIRED IF "YES"
Has the survey revealed, in the context of the proposed project, any significant adverse impacts on Ecosystem Services?	NO	

Geological Conservation

GEOLOGICAL CONSERVATION (Geodiversity is a material planning consideration)	YES/NO	ACTION REQUIRED IF "YES"
Are there any features of geological importance on the development site?	NO	
Are there any features of geological importance adjacent to the development site or that might be affected by the development (during or post construction)?	NO	

Public Records Search Results

PUBLIC RECORDS SEARCH (SUMMARY)		
Source	Data/Response	Betts comment
Herefordshire Biological Records Centre.	Amphibians.	<p>The search revealed nineteen records from 2006 for great crested newts within a 2 km radius of the site. Many of the records are from a site 0.3 km to the south. Great crested newts have protective status under the following legislations and agreements; Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b.</p> <p>The search revealed eighteen records for common frogs, nine records for common toads, four records for palmate newts and thirty-two records for smooth newts within a 2 km radius of the site. A number of the records are from a site 0.3 km to the south. Common frogs and common toads and have protective status under the following legislations and agreements; Bern2, CMS_A2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b</p> <p>Smooth newts and palmate newts have protective status under the following legislations and agreements; BRed, CMS_A2, HBAPCC, HBAPPS, Sect.41, UKBAP.</p>
	Water Vole	<p>The search revealed two records of water vole within a 2 km radius of the site, these were from 1989 and 1990. Water voles have protective status under the following legislations and agreements; HBAPCC, HBAPPS, Sect.41, UKBAP, WCA5/9.1k/I, WCA5/9.1t, WCA5/9.2, WCA5/9.4.a, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b.</p>
	Bats	<p>There are fifty eight records of bats within the 2km search radius. The search revealed fourteen records of brown long-eared bat between 2004 and 2009, twenty records of common pipistrelle from 2008, one record of Daubenton's bat from 2007, two records of lesser horseshoe bat from 2004, seven records of Natterer's bat from 2003, four records of noctule bat from 2003, and ten records of soprano pipistrelle from 2000. Many of the records are from a site 0.3 km to the south.</p>

PUBLIC RECORDS SEARCH (SUMMARY)		
Source	Data/Response	Betts comment
		All bat species have protective status under the following legislations and agreements; Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b.
	Hedgehog	The search revealed four records from 2006 of hedgehogs within a 2 km radius of the site. Hedgehogs have protective status under the following legislations and agreements; HBAPCC, HBAPSR, Sect.41, UKBAP.
	Reptiles	There are no records for reptiles from within the 2km search radius.
	Badger	The search revealed one record from 2014 of a dead badger within a 2 km radius of the site. Badgers have protective status under the Protection of Badgers Act (1992), and are listed as Species of Conservation Concern (HBAPCC) within Herefordshire LBAP.
	Hazel Dormouse	The search revealed one record from 2008 of dormice within a 2 km radius of the site, approximately 0.5 km to the north-west. The hazel dormouse has protective status under the following legislations and agreements; HBAPCC, HBAPSR, Sect.41, UKBAP. HabRegs2, HBAPCC, HBAPPS, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b
	Otter	The search revealed two records from 2003 of otters within a 2 km radius of the site. The otter has protective status under the following legislations and agreements; BAMB, Bern2, CITESA, CMS_A2, HBAPCC, HBAPPS

CONCLUSION

The current development plan indicates that the southernmost poultry units to be constructed will be located in a low lying area at the south of the site close the neighbouring property and Cage Brook. The Madley Environmental Studies Centre (MESC) manages the neighbouring land as a nature reserve on the opposite side of high security fencing at the south-east of the development site.

It is therefore essential that pollution from the new poultry units is prevented from entering the water-courses and ponds to the south-east; particularly so during seasonal flood events. Betts Ecology have been assured that the designs of the new units include rigorous measures in order to meet the highest possible regulatory standards to prevent pollution during seasonal floods. The MESC contains three ponds; two are fed by Cage Brook, the other is rain fed. Cage Brook is prone to seasonal flooding at the boundary between the two properties. A Habitat Suitability Index (HSI) was calculated for two of the ponds. One of the two identical ponds fed by Cage Brook achieved an excellent index score of 9.1. Therefore it is considered highly likely that the two stream-fed ponds could support a population of great crested newts, especially as the public records search revealed nineteen records of great crested newts within a 2 km radius of the proposed development site. Further survey would be needed to confirm this, but the fact that these ponds are managed for protection for wildlife and there is no adverse impact predicted on terrestrial habitat, means no further newt surveys will be required.

Betts Ecology have also been assured that the development plans include measures that will enhance the ecological quality of area to the south-east alongside the MESC nature reserve and Cage Brook. Attenuation ponds will be constructed and native trees and shrubs will be established.

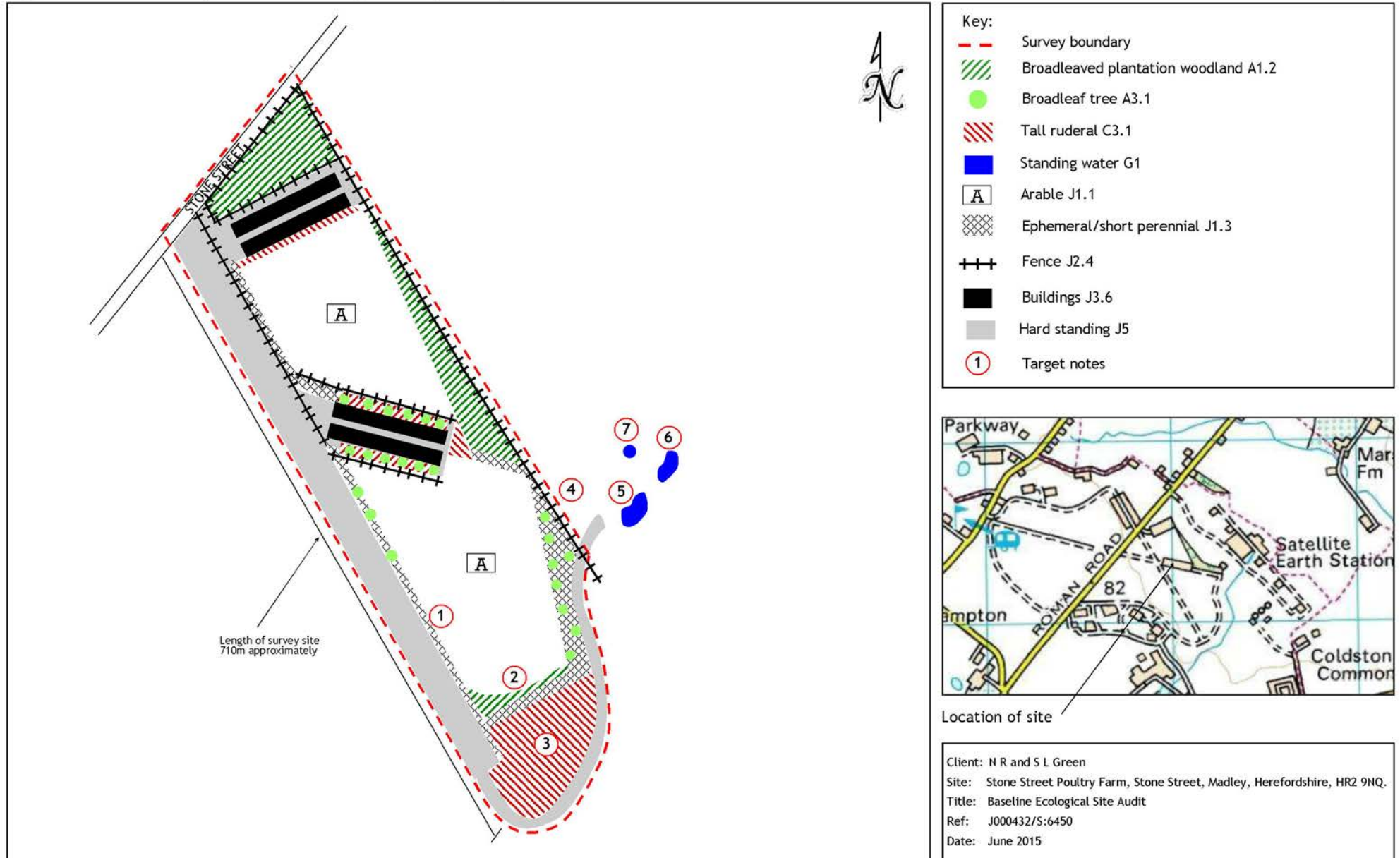
Providing the recommendations noted herein are fully implemented and subject to the results of the required further work and satisfactory execution of any mitigation, there are no obvious ecological counter indications to the proposed project at this stage. Indeed, the recommended ecological protection and enhancements will deliver planning & biodiversity gains and assure there is No Net Loss to biodiversity, and no unacceptable adverse impact on Ecosystem Services.

Note

Please note that there is complex and strict legislation protecting many species and habitats. For European Protected Species (including bats, great crested newt, dormouse, otter, etc.) there is no longer a clear defence against harm being caused as an incidental result of an otherwise lawful operation. Full details are available on the web sites of DEFRA and the various statutory authorities, some of which now have direct powers of enforcement. If you are in any doubt about the status of species or habitats on your site, please be sure to contact us before undertaking any site work. You should also make sure that you are aware of, and have allowed for, all national and local planning policies relating to wildlife and nature conservation before proceeding.

This baseline audit may not be sufficient on its own for planning application purposes where notable habitats/species are present or potentially present, especially European Protected Species (EPS) (see note at end).

Figure 1: Phase 1 habitat plan of site with Target Notes (see text).



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 Please note: this plan is intended only to indicate the approximate location of features and should therefore, not be treated as an accurate scale plan.

PHOTOGRAPHS

Photographs were taken on 23 June 2015



Plate 1. A view looking north from the species-rich uncultivated field boundary at Target Note 1.



Plate 2. Looking south along the western edge of the former runway. The centre of the proposed development site can be seen on the left.



Plate 3. Looking east from the edge of the former runway at the belt of trees and scrub forming the southern boundary of the proposed development site (Target Note 2).



Plate 4. Viper's bugloss is a locally uncommon species. Many specimens were flowering along the boundary between the former runway and the proposed development site.



Plate 5. A view looking west across the conservation grassland and scrub belonging to the Madley Environmental Study Centre (Target Note 3). The development site is in the potato crop on the right hand side of the photo.



Plate 6. A few specimens of yellow-rattle were found at Target Note 3. This is a localised species.



Plate 7. Looking north-west at Target Note 4. This is within the British Telecom & Madley Environmental Studies Centre complex at the south-east of the proposed development. The development will be on the other side of the fence to the left of the photo. All this area is prone to seasonal flooding.



Plate 8. Part of Target Note 6. This, and another virtually identical pond close by, are stream fed. They are within the neighbouring land owned by the Madley Environmental Studies Centre.



Plate 9. Target Note 7. This is a small rain-fed pond within the neighbouring land owned by the Madley Environmental Studies Centre.

+++

IMPORTANT

Please be aware that, because the natural environment is dynamic, ecological reports generally have a limited period of currency. Many statutory authorities now regard one year as the maximum time that should elapse before a report will need to be updated: occasionally it may be longer but it may also be less. Where a European Protected Species licence is to be applied for once planning permission has been granted, a walk-over of the site should be carried out **within three months** of an application being submitted to check that the habitats have not changed significantly since the survey was carried out.

Betts are a scientific practice. Any information relating to legal matters in this report is provided in good faith but does not purport in any way to give any advice on or interpretation of the law whatsoever. Professional legal advice should always be sought. Any designs, specifications, advice, suggestions, or comments written or verbal relating to construction or supervision of building-related work of any kind are provided for consideration only and under no circumstances are to be interpreted as provision of design, management or supervision *sensu* the Construction (Design and Management) Regulations 2007.

PUBLIC RECORDS SEARCH RESULTS



PO Box 230, Hereford, HR1 2ZB.
Telephone: (01432) 261538, Email enquiries: hbr@herefordshire.gov.uk

Eileen Baty
Betts Ecology
Bank House
Witley Road
Martley
Worcestershire
WR6 6PB

3rd July 2015

Our reference: 2442
Your reference: Q000574

Dear Eileen

STONEY STREET POULTRY FARM – SO420374

SPECIES RECORDS

Further to your request, I have conducted a search of the database for the area you identified. These records are attached along with a map indicating their distribution.

Grid references containing a combination of letters and numbers, for example 'SO54E' are formulated according to the **DINTY** system. Such records are often from botanical recording, whereby a 10km square is divided into twenty-five equal 2km x 2km squares, each alpha-coded, thus:

E	J	P	U	Z
D	I	N	T	Y
C	H	M	S	X
B	G	L	R	W
A	F	K	Q	V

Therefore the correct full grid references for SO54E are as follows:
SO5048, SO5049, SO5148 and SO5149
i.e. four 1km squares.

Please keep location details of any bat, badger or newt records confidential.

DESIGNATED SITES

In addition, I have produced a map indicating designated sites and have provided register details for the relevant sites:

A Littlemarsh Common Site of Special Scientific Interest (SSSI)
The citation details are attached.

SO43/01 Two ponds at Castle Farm



The register states: "The pond at 406383 has a margin of willows and is stocked with fish. The pond at 410384 has a margin of willow, oak, ash and rushes. Amphibious bistort is present."

Date 1990

SO43/02 Bucknall's Wood

The register states: "An ancient woodland with some sweet chestnut. Alder coppice is dominant, with old ash coppice and an edging of hazel coppice."

Date 1990

SO43/06 Kingstone Common SWS

The register states: "A wet area with a good flora, which includes marsh-marigold, ragged-robin and common fleabane."

Date 1990

SO43/08 Honeymoon Common SWS

The register states: "An area of wet pasture with ponds and scrub. The flora is varied, including common water-plantain and tubular water-dropwort."

Date 1990

SO43/09 Littlemarsh Common SWS

The register states: "Littlemarsh Common is an area of wet grassland in the parish of Eaton Bishop, three miles west of the City of Hereford. Due to agricultural intensification and drainage, such areas have become much rarer in recent years. The grassland of the Common is dominated by tall grasses such as cocksfoot, false oat grass, tufted hair-grass and red fescue. In the wetter parts of the grassland soft rush and great hairy willow-herb are abundant. The grassland contains a rich variety of other plants, a number of which are now of local distribution in Herefordshire. These include spiny restharrow, common spotted orchid, ragged robin, lady's mantle (*Alchemilla vestita*) and devil's-bit scabious. Semi-aquatic plant communities occur in the wet ditches and hollows of the Common. These include such characteristic plants as yellow flag, meadow sweet and water figwort. In recent years the undergrazing of the Common has allowed some scrub colonisation to take place, with willow, hawthorn and blackthorn being dominant. Other interesting species include spindle and guelder rose. This mixture of grassland, semi-aquatic habitats and scrub provides an important habitat for a good variety of birds, including Nightingale."

Date 1990

SO43/10 Cage Brook SWS

The register states: "This brook has a particularly interesting bank flora"

Date 1990

I hope that this information proves to be useful. I look forward to receiving new findings and biological records which any survey you undertake yields: this will help us to improve the information available for natural heritage conservation, research, advice, education and public information.

Yours sincerely,

Emma Wall
Ecologist (HBRC)
Encs.

Terms and Conditions for the supply of data

1. Copyright of all records remains with the recorder, and of the collated data with Herefordshire Biological Records Centre.
2. No copies of data are to be made for use by third parties, without written permission from Herefordshire Biological Records Centre.
3. Permission must be obtained in writing from Herefordshire Biological Records Centre if the data supplied is to be used for any other purpose than that described on the Data Request Form.
4. Data are provided subject to ongoing approval for use from individual recorders, local recording groups or national recording schemes. Should such providers of data withdraw permissions for use of these data, the requestor may be obliged to remove relevant data from records.
5. The data must not be entered onto a computerised database or GIS without permission from Herefordshire Biological Records Centre.
6. Herefordshire Biological Records Centre shall be acknowledged in any report relating to data supplied, and we would appreciate any details of biological records resulting from any survey undertaken.
7. Permission to use data expires 12 months after its supply. Applications to extend beyond this period should be made before the expiry date.
8. Data are as held by Herefordshire Biological Records Centre. Past records of presence of a species or habitat do not guarantee continued occurrence. Absence of records does not imply absence of a species, merely that no records are held.
9. Data are provided *without prejudice* and according to our Charging Policy, which is available on request. Commercial users are always subject to our Charging policy. Further to your request we will provide you with a quotation for processing of information and/or biological records; if this quotation is acceptable we will require approval in writing via letter or fax in order to proceed. Voluntary recording societies and local naturalists are generally exempted from this Policy.

Present Charge Rates are based on £100 per hour, exclusive of VAT.

COUNTY: HEREFORD AND WORCESTER

SITE NAME: LITTLEMARSH
COMMON

DISTRICT: SOUTH HEREFORD

Status: Site of Special Scientific Interest (SSSI) notified under Section 28 of the Wildlife and Countryside Act 1981.

Local Planning Authority: HEREFORD AND WORCESTER COUNTY COUNCIL, South Hereford District Council

National Grid Reference: SO 439378

Area: 1.942 (ha.) 4.8 (ac.)

Ordnance Survey Sheet 1:50,000: 149

1:10,000: SO 43 NW

Date Notified (Under 1949 Act): 1969

Date of Last Revision: 1975

Date Notified (Under 1981 Act): 1984

Date of Last Revision: –

Other Information:

The Common is managed as a nature reserve by the Hereford & Radnor Trust.

Reasons for Notification:

Littlemarsh Common is an area of wet grassland in the parish of Eaton Bishop, three miles west of the City of Hereford.

Due to agricultural intensification and drainage, such areas have become much rarer in recent years.

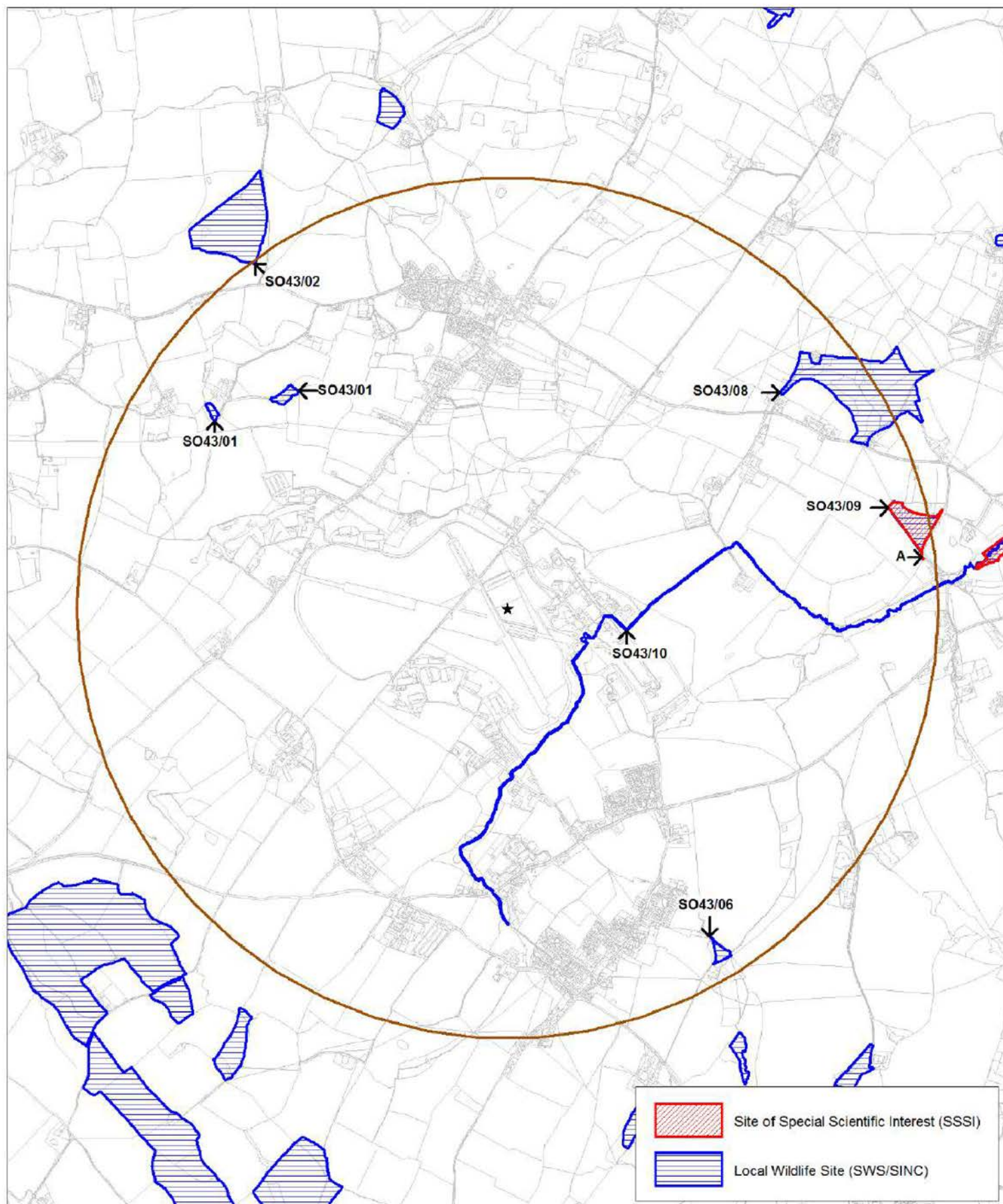
The grassland of the Common is dominated by tall grasses such as cocksfoot *Dactylis glomerata*, false oat grass *Arrhenatherum elatius*, tufted hair-grass *Deschampsia caespitosa* and red fescue *Festuca rubra*. In the wetter parts of the grassland soft rush *Juncus effusus* and great hairy willow-herb *Epilobium hirsutum* are abundant.

The grassland contains a rich variety of other plants, a number of which are now of local distribution in Herefordshire. These include spiny rest-harrow *Ononis spinosa*, common spotted orchid *Dactylorchis fuchsii*, ragged robin *Lychnis flos-cuculi*, lady's mantle *Alchemilla vestita* and devil's-bit scabious *Succisa pratensis*.

Semi-aquatic plant communities occur in the wet ditches and hollows of the Common. These include such characteristic plants as yellow flag *Iris pseudacorus*, meadow sweet *Filipendula ulmaria* and water figwort *Scrophularia auriculata*.

In recent years the undergrazing of the Common has allowed some scrub colonisation to take place, with willow *Salix caprea* and *S. alba*, hawthorn *Crataegus monogyna* and blackthorn *Prunus spinosa* being dominant. Other interesting species include spindle *Euonymus europaeus* and guelder rose *Viburnum opulus*.

This mixture of grassland, semi-aquatic areas and scrub provides an important habitat for a good variety of birds, including Nightingale *Luscinia megarhynchos*.



Map showing designated sites
within 2km of SO420374
Stoney Street Poultry Farm



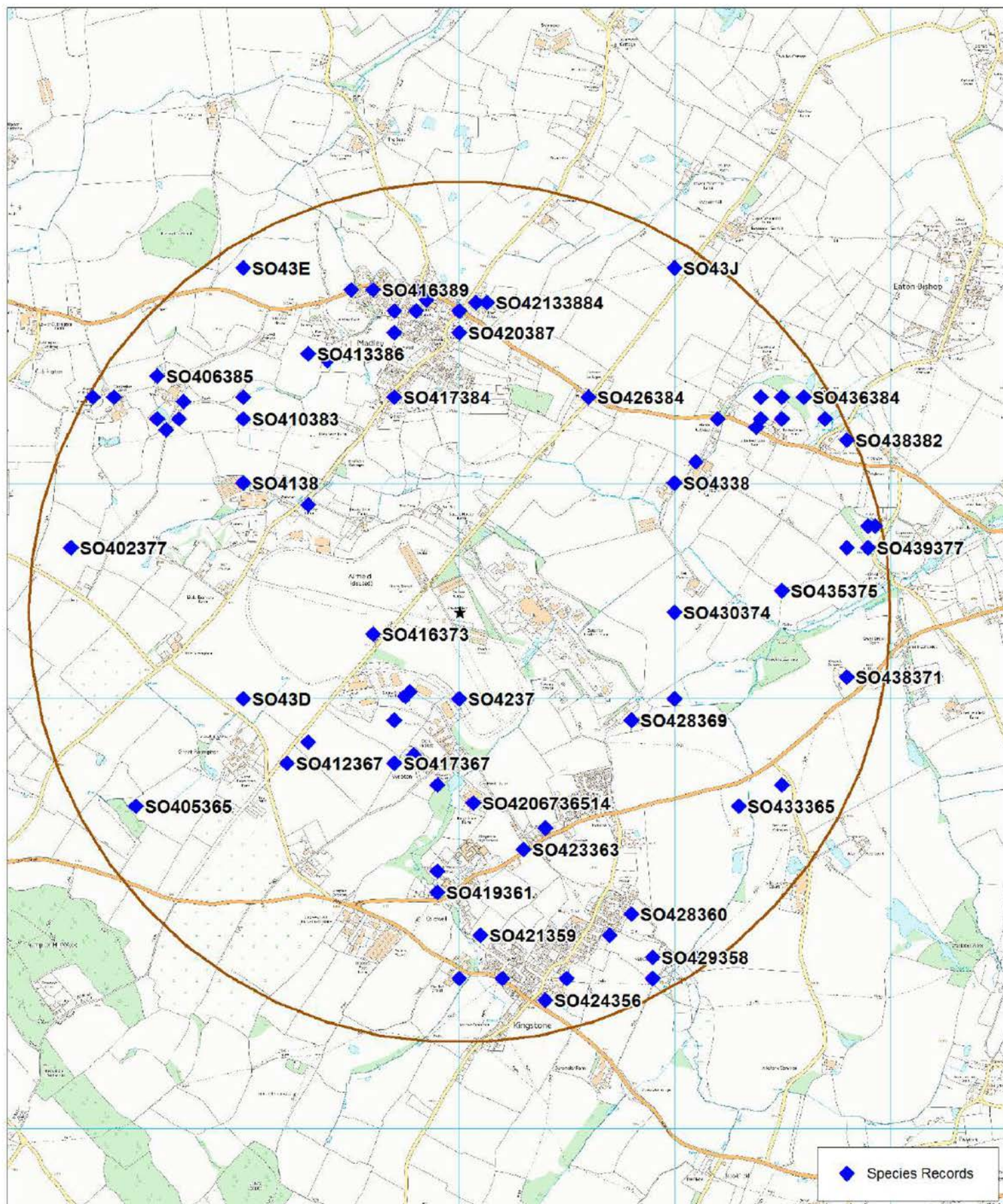
SCALE 1: 23,500



HEREFORDSHIRE
BIOLOGICAL
RECORDS
CENTRE

Herefordshire Archive and Records Centre
Fir Tree Lane
Rotherwas
Hereford
HR2 6LA

Telephone: (01432) 261538
Email: hbre@herefordshire.gov.uk

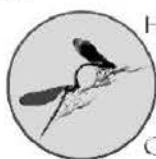


Map showing distribution of records for legally protected and priority species along with those of conservation concern and local importance within 2km of SO420374 Stoney Street Poultry Farm



SCALE 1: 23,500

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CENTRE

Herefordshire Archive and Records Centre
Fir Tree Lane
Rotherwas
Hereford
HR2 6LA

Telephone: (01432) 261538
Email: hbre@herefordshire.gov.uk

Stoney Street Poultry Farm

SO420374

Records for legally protected and priority species along with those of conservation concern within 2km

Species		Status, if known	Grid Ref.	Year	Measurement
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO430374	2014	1 Dead
Sparrowhawk	<i>Accipiter nisus</i>	CITESA, CMS_A2	SO430374	2014	1 Hunting
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO41393857	2013	1 Male
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO41393857	2013	1 Female
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO41393857	2013	1 Male
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO41393857	2013	1 Male
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO41393857	2013	2 Female
Bats	<i>Chiroptera</i>		SO413386	2012	Present Droppings
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	CMS_A2, HabRegs2, HBAPCC, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO413386	2012	Present

Herefordshire Biological Records Centre

Eurasian Water Shrew	<i>Neomys fodiens</i>	HBAPCC, HBAPPS, HBAPSR	SO431358	2012	1 Dead
Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO413386	2012	Present
West European Hedgehog	<i>Erinaceus europaeus</i>	HBAPCC, HBAPSR, Sect.41, UKBAP	SO425357	2012	2 Present
Cowslip	<i>Primula veris</i>	HBAPCC	SO43D	2011	Present
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO406383	2010	Present
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO429357	2010	Present
Buzzard	<i>Buteo buteo</i>	CITESA, CMS_A2, HBAPCC	SO429357	2010	Present
Canada Goose	<i>Branta canadensis</i>	CMS_A2	SO406383	2010	Present
Common Dormouse	<i>Muscardinus avellanarius</i>	HabRegs2, HBAPCC, HBAPPS, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO429357	2010	Present Signs
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO406383	2010	Present
Mallard	<i>Anas platyrhynchos</i>	BAmb, CMS_A2	SO406383	2010	Present
Moorhen	<i>Gallinula chloropus</i>	CMS_A2	SO406383	2010	Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO406383	2010	Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO429357	2010	Present
Wren	<i>Troglodytes troglodytes</i>	Bern2	SO406383	2010	Present
Wren	<i>Troglodytes troglodytes</i>	Bern2	SO429357	2010	Present
Barn Owl	<i>Tyto alba</i>	BAmb, Bern2, CITESA, HBAPCC, HBAPPS, WCA1i	SO429357	2009	1 Present
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO429357	2009	Present
Bullfinch	<i>Pyrrhula pyrrhula</i>	BAmb, HBAPCC, HBAPPS, HBAPSR	SO435375	2009	1 Pair
Buzzard	<i>Buteo buteo</i>	CITESA, CMS_A2, HBAPCC	SO429357	2009	Present
Buzzard	<i>Buteo buteo</i>	CITESA, CMS_A2, HBAPCC	SO435375	2009	2 Present
Buzzard	<i>Buteo buteo</i>	CITESA, CMS_A2, HBAPCC	SO435375	2009	4 Present
Coal Tit	<i>Periparus ater</i>	Bern2	SO429357	2009	Present

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Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO4338	2009	Present
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO4338	2009	Present
Cuckoo	<i>Cuculus canorus</i>	BRed, Sect.41, UKBAP	SO429357	2009	Present
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Bern2	SO429357	2009	Present
Great Tit	<i>Parus major</i>	Bern2	SO429357	2009	Present
Green Woodpecker	<i>Picus viridis</i>	BAmb, Bern2, HBAPCC	SO429357	2009	Present
Hedgehog	<i>Erinaceus europaeus</i>	HBAPCC, HBAPSR, Sect.41, UKBAP	SO429357	2009	Present
Kestrel	<i>Falco tinnunculus</i>	BAmb, Bern2, CITESA, CMS_A2, HBAPCC, HBAPPS	SO429357	2009	Present
Little Owl	<i>Athene noctua</i>	Bern2, CITESA, HBAPCC	SO429357	2009	Present
Otter	<i>Lutra lutra</i>	Bern2, CITESA, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO429357	2009	1 Present
Reed Bunting	<i>Emberiza schoeniclus</i>	BAmb, Bern2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO4338	2009	2 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO429357	2009	Present
Song Thrush	<i>Turdus philomelos</i>	BRed, HBAPCC, HBAPPS	SO429357	2009	Present
Sparrowhawk	<i>Accipiter nisus</i>	CITESA, CMS_A2	SO429357	2009	Present
Speckled Bush Cricket	<i>Leptophyes punctatissima</i>	HBAPCC	SO4338	2009	Present
Swallow	<i>Hirundo rustica</i>	BAmb, Bern2	SO429357	2009	Present
Tawny Owl	<i>Strix aluco</i>	Bern2, CITESA	SO429357	2009	Present
Treecreeper	<i>Certhia familiaris</i>	Bern2	SO429357	2009	Present
West European Hedgehog	<i>Erinaceus europaeus</i>	HBAPCC, HBAPSR, Sect.41, UKBAP	SO422357	2009	1 Dead
Wren	<i>Troglodytes troglodytes</i>	Bern2	SO429357	2009	Present
Barn Owl	<i>Tyto alba</i>	BAmb, Bern2, CITESA, HBAPCC, HBAPPS, WCA1i	SO4237	2008	1 Present
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO4237	2008	1 Present
Buzzard	<i>Buteo buteo</i>	CITESA, CMS_A2, HBAPCC	SO4138	2008	1 Present

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Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO410384	2008	2 Present
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	CMS_A2, HabRegs2, HBAPCC, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	1 Present
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	CMS_A2, HabRegs2, HBAPCC, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	1 Feeding
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	CMS_A2, HabRegs2, HBAPCC, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	1 Present
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	CMS_A2, HabRegs2, HBAPCC, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO42083884	2008	1 Roosting
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	CMS_A2, HabRegs2, HBAPCC, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO42133884	2008	1 Roosting
Curlew	<i>Numenius arquata</i>	BAmb, CMS_A2, HBAPCC, Sect.41, UKBAP	SO435375	2008	1 Present
Curlew	<i>Numenius arquata</i>	BAmb, CMS_A2, HBAPCC, Sect.41, UKBAP	SO435375	2008	1 Present
Dunnock	<i>Prunella modularis</i>	BAmb, Bern2	SO4138	2008	2 Present
Dunnock	<i>Prunella modularis</i>	BAmb, Bern2	SO4138	2008	1 Present
Dunnock	<i>Prunella modularis</i>	BAmb, Bern2	SO4237	2008	1 Present
Fieldfare	<i>Turdus pilaris</i>	BRed, HBAPCC, WCA1i	SO4138	2008	30 Present
Fieldfare	<i>Turdus pilaris</i>	BRed, HBAPCC, WCA1i	SO4237	2008	180 Present
Goldfinch	<i>Carduelis carduelis</i>	Bern2	SO4138	2008	11 Present
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Bern2	SO403384	2008	1 Present
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Bern2	SO420387	2008	1 Present
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO4237	2008	1 Present
Kestrel	<i>Falco tinnunculus</i>	BAmb, Bern2, CITESA, CMS_A2, HBAPCC, HBAPPS	SO4237	2008	1 Male

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Lapwing	<i>Vanellus vanellus</i>	BRed, CMS_A2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO4237	2008	2 Present
Lapwing	<i>Vanellus vanellus</i>	BRed, CMS_A2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO428369	2008	1 Pair; 2 Juvenile; Present Breeding
Lapwing	<i>Vanellus vanellus</i>	BRed, CMS_A2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO428369	2008	2 Adult
Lesser Horseshoe Bat	<i>Rhinolophus hipposideros</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	1 Present
Lesser Horseshoe Bat	<i>Rhinolophus hipposideros</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO42133884	2008	1 Roosting
Linnet	<i>Linaria cannabina</i>	Bern2, BRed, HBAPCC, HBAPPS	SO4237	2008	1 Pair
Little Owl	<i>Athene noctua</i>	Bern2, CITESA, HBAPCC	SO4138	2008	2 Present
Long-eared Bat species	<i>Plecotus</i>	CMS_A2, HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	1+ Droppings
Long-eared Bat species	<i>Plecotus</i>	CMS_A2, HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	5+ Droppings
Long-eared Bat species	<i>Plecotus</i>	CMS_A2, HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	1 Present
Long-eared Bat species	<i>Plecotus</i>	CMS_A2, HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	1 Present
Long-eared Bat species	<i>Plecotus</i>	CMS_A2, HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	1 Present
Long-eared Bat species	<i>Plecotus</i>	CMS_A2, HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO42083884	2008	1 Roosting

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Long-eared Bat species	<i>Plecotus</i>	CMS_A2, HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO42133884	2008	1 Roosting
Mistle Thrush	<i>Turdus viscivorus</i>	BAmb	SO4138	2008	1 Present
Mistle Thrush	<i>Turdus viscivorus</i>	BAmb	SO4138	2008	1 Present
Moorhen	<i>Gallinula chloropus</i>	CMS_A2	SO4138	2008	2 Present
Natterer's Bat	<i>Myotis nattereri</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	30 Droppings
Natterer's Bat	<i>Myotis nattereri</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	1 Present
Natterer's Bat	<i>Myotis nattereri</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	1 Present
Natterer's Bat	<i>Myotis nattereri</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	1 Present
Natterer's Bat	<i>Myotis nattereri</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO42083884	2008	1 Roosting
Natterer's Bat	<i>Myotis nattereri</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO42083884	2008	1 Roosting
Natterer's Bat	<i>Myotis nattereri</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO42083884	2008	1 Roosting

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Noctule	<i>Nyctalus noctula</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	1 Present
Pied Wagtail	<i>Motacilla alba</i>	Bern2	SO4237	2008	1 Present
Pipistrelle	<i>Pipistrellus pipistrellus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HBAPPS, HSD4, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	1 Present
Raven	<i>Corvus corax</i>	HBAPCC	SO4138	2008	1 Present
Redstart	<i>Phoenicurus phoenicurus</i>	BAmb, Bern2, HBAPCC	SO435375	2008	1 Female
Redwing	<i>Turdus iliacus</i>	BRed, HBAPCC, WCA1i	SO4138	2008	8 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO4138	2008	3 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO4138	2008	5 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO4237	2008	1 Present
Rock Dove	<i>Columba livia</i>	CITESA	SO420387	2008	15 Present
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	HBAPCC, HBAPSR	SO4237	2008	1 Male
Skylark	<i>Alauda arvensis</i>	BRed, HBAPCC, HBAPPS, Sect.41	SO402377	2008	3 Present
Skylark	<i>Alauda arvensis</i>	BRed, HBAPCC, HBAPPS, Sect.41	SO4138	2008	4 Present
Song Thrush	<i>Turdus philomelos</i>	BRed, HBAPCC, HBAPPS	SO4138	2008	1 Present
Song Thrush	<i>Turdus philomelos</i>	BRed, HBAPCC, HBAPPS	SO4237	2008	1 Present
Song Thrush	<i>Turdus philomelos</i>	BRed, HBAPCC, HBAPPS	SO435375	2008	1 Male
Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	2 Present

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Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	2 Present
Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	1 Present
Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO42083884	2008	1 Roosting
Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO42133884	2008	1 Roosting
Sparrowhawk	<i>Accipiter nisus</i>	CITESA, CMS_A2	SO4138	2008	1 Present
Starling	<i>Sturnus vulgaris</i>	BRed	SO4237	2008	1 Present
Stock Dove	<i>Columba oenas</i>	BAmb	SO4138	2008	4 Present
Swallow	<i>Hirundo rustica</i>	BAmb, Bern2	SO4237	2008	1 Nest
Swift	<i>Apus apus</i>	BAmb	SO420387	2008	3 Pair; Present Breeding
Teal	<i>Anas crecca</i>	BAmb, CITESC, CMS_A2, HBAPCC, HBAPSR	SO4138	2008	3 Present
Treecreeper	<i>Certhia familiaris</i>	Bern2	SO428369	2008	1 Present
Treecreeper	<i>Certhia familiaris</i>	Bern2	SO435375	2008	2 Present
Unidentified Bat	<i>Myotis</i>	CMS_A2, HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO420388	2008	1 Present
Whitethroat	<i>Sylvia communis</i>	BAmb, HBAPCC	SO4237	2008	2 Pair; Present Breeding
Whitethroat	<i>Sylvia communis</i>	BAmb, HBAPCC	SO438371	2008	1 Pair; Present Breeding
Wren	<i>Troglodytes troglodytes</i>	Bern2	SO4237	2008	4 Nest

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Yellowhammer	<i>Emberiza citrinella</i>	Bern2, BRed, HBAPCC, Sect.41, UKBAP	SO4237	2008	1 Present
Yellowhammer	<i>Emberiza citrinella</i>	Bern2, BRed, HBAPCC, Sect.41, UKBAP	SO4237	2008	2 Male
Yellowhammer	<i>Emberiza citrinella</i>	Bern2, BRed, HBAPCC, Sect.41, UKBAP	SO438371	2008	1 Pair; Present Breeding
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO4138	2007	1 Present
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO4138	2007	2 Present
Buzzard	<i>Buteo buteo</i>	CITESA, CMS_A2, HBAPCC	SO4138	2007	1 Present
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	CMS_A2, HabRegs2, HBAPCC, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO43383826	2007	1 Roosting
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	CMS_A2, HabRegs2, HBAPCC, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO43383826	2007	10 Dead
Curlew	<i>Numenius arquata</i>	BAmb, CMS_A2, HBAPCC, Sect.41, UKBAP	SO435375	2007	1 Present
Curlew	<i>Numenius arquata</i>	BAmb, CMS_A2, HBAPCC, Sect.41, UKBAP	SO435375	2007	1 Present
Dunnock	<i>Prunella modularis</i>	BAmb, Bern2	SO4138	2007	2 Present
Goldfinch	<i>Carduelis carduelis</i>	Bern2	SO4138	2007	1 Present
Goldfinch	<i>Carduelis carduelis</i>	Bern2	SO4138	2007	6 Present
Goldfinch	<i>Carduelis carduelis</i>	Bern2	SO4138	2007	5 Present
Great Tit	<i>Parus major</i>	Bern2	SO4138	2007	2 Present
House Martin	<i>Delichon urbicum</i>	BAmb, Bern2	SO4138	2007	10 Present
Kestrel	<i>Falco tinnunculus</i>	BAmb, Bern2, CITESA, CMS_A2, HBAPCC, HBAPPS	SO4138	2007	1 Present
Kestrel	<i>Falco tinnunculus</i>	BAmb, Bern2, CITESA, CMS_A2, HBAPCC, HBAPPS	SO4138	2007	3 Present
Kestrel	<i>Falco tinnunculus</i>	BAmb, Bern2, CITESA, CMS_A2, HBAPCC, HBAPPS	SO4138	2007	1 Present
Lapwing	<i>Vanellus vanellus</i>	BRed, CMS_A2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO402377	2007	70 Present
Lapwing	<i>Vanellus vanellus</i>	BRed, CMS_A2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO402377	2007	1 Present

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Lapwing	<i>Vanellus vanellus</i>	BRed, CMS_A2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO402377	2007	1 Present
Mousetail	<i>Myosurus minimus</i>	RLGB.VU	SO40643825	2007	Present
Mousetail	<i>Myosurus minimus</i>	RLGB.VU	SO40723838	2007	Present
Pied Wagtail	<i>Motacilla alba subsp. yarrellii</i>	Bern2	SO4138	2007	1 Present
Redwing	<i>Turdus iliacus</i>	BRed, HBAPCC, WCA1i	SO4138	2007	1 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO4138	2007	1 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO4138	2007	3 Present
Siskin	<i>Spinus spinus</i>	Bern2	SO4138	2007	1 Present
Song Thrush	<i>Turdus philomelos</i>	BRed, HBAPCC, HBAPPS	SO4138	2007	1 Present
Starling	<i>Sturnus vulgaris</i>	BRed	SO4138	2007	8 Present
Swallow	<i>Hirundo rustica</i>	BAmb, Bern2	SO4138	2007	3 Present
Tawny Owl	<i>Strix aluco</i>	Bern2, CITESA	SO4138	2007	1 Present
Tree Pipit	<i>Anthus trivialis</i>	Bern2, BRed, HBAPCC, Sect.41, UKBAP	SO4138	2007	1 Present
Troglodytes troglodytes subsp. troglodytes	<i>Troglodytes troglodytes subsp. troglodytes</i>	Bern2	SO4138	2007	1 Present
Yellowhammer	<i>Emberiza citrinella</i>	Bern2, BRed, HBAPCC, Sect.41, UKBAP	SO4138	2007	1 Present
Banded Demoiselle	<i>Calopteryx splendens</i>	HBAPCC	SO41793674	2006	Present
Barn Owl	<i>Tyto alba</i>	BAmb, Bern2, CITESA, HBAPCC, HBAPPS, WCA1i	SO4138	2006	1 Present
Barn Owl	<i>Tyto alba</i>	BAmb, Bern2, CITESA, HBAPCC, HBAPPS, WCA1i	SO4138	2006	1 Present
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO435383	2006	Present
Brambling	<i>Fringilla montifringilla</i>	WCA1i	SO402377	2006	1 Female
Brown Long-Eared Bat	<i>Plecotus auritus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO434383	2006	1 Droppings
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO435383	2006	1 Adult

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Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO435383	2006	3 Adult
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO435383	2006	Present Breeding confirmed
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	CMS_A2, HabRegs2, HBAPCC, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435383	2006	2 Roosting
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	CMS_A2, HabRegs2, HBAPCC, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435383	2006	2 Present
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	CMS_A2, HabRegs2, HBAPCC, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435383	2006	2 Roosting
Curlew	<i>Numenius arquata</i>	BAmb, CMS_A2, HBAPCC, Sect.41, UKBAP	SO4237	2006	c.3 Present
Curlew	<i>Numenius arquata</i>	BAmb, CMS_A2, HBAPCC, Sect.41, UKBAP	SO435375	2006	1 Pair
Fieldfare	<i>Turdus pilaris</i>	BRed, HBAPCC, WCA1i	SO402377	2006	1 Present
Fieldfare	<i>Turdus pilaris</i>	BRed, HBAPCC, WCA1i	SO435375	2006	c.500 Present
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435383	2006	1 Adult
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435383	2006	3 Breeding confirmed
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435383	2006	1 Adult

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Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435383	2006	2 Adult
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435383	2006	1 Breeding confirmed
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435383	2006	1 Adult
House Martin	<i>Delichon urbicum</i>	BAmb, Bern2	SO435383	2006	2 Breeding confirmed
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO4138	2006	c.20 Present
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO434383	2006	1 Nest
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO435383	2006	Present
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO435383	2006	Present
Lesser Redpoll	<i>Acanthis cabaret</i>	BRed, Sect.41, UKBAP	SO435375	2006	2 Present
Lesser Whitethroat	<i>Sylvia curruca</i>	HBAPCC	SO4237	2006	1 Present
Linnet	<i>Linaria cannabina</i>	Bern2, BRed, HBAPCC, HBAPPS	SO402377	2006	c50 Present
Long-eared Bat species	<i>Plecotus</i>	CMS_A2, HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435383	2006	2 Roosting
Long-eared Bat species	<i>Plecotus</i>	CMS_A2, HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435383	2006	1 Roosting
Long-eared Bat species	<i>Plecotus</i>	CMS_A2, HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435383	2006	1 Roosting

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Meadow Pipit	<i>Anthus pratensis</i>	BAmb, Bern2, HBAPCC	SO402377	2006	12 Present
Mistle Thrush	<i>Turdus viscivorus</i>	BAmb	SO435375	2006	15 Present
Palmate Newt	<i>Lissotriton helveticus</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO435383	2006	2 Adult
Palmate Newt	<i>Lissotriton helveticus</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO435383	2006	3 Adult
Pipistrelle	<i>Pipistrellus pipistrellus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HBAPPS, HSD4, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO434383	2006	1 Droppings
Pipistrelle	<i>Pipistrellus pipistrellus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HBAPPS, HSD4, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435383	2006	1 Roosting
Pipistrelle	<i>Pipistrellus pipistrellus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HBAPPS, HSD4, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435383	2006	1 Present
Raven	<i>Corvus corax</i>	HBAPCC	SO435375	2006	2 Present
Red Kite	<i>Milvus milvus</i>	BAmb, BD1, CITESA, CMS_A2, WCA1i	SO4138	2006	1 Present
Redwing	<i>Turdus iliacus</i>	BRed, HBAPCC, WCA1i	SO402377	2006	1 Present
Redwing	<i>Turdus iliacus</i>	BRed, HBAPCC, WCA1i	SO435375	2006	40 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO435383	2006	Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO435383	2006	Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO435383	2006	2 Breeding confirmed
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	HBAPCC, HBAPSR	SO4237	2006	1 Present
Siskin	<i>Spinus spinus</i>	Bern2	SO4138	2006	c.20 Present
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO435383	2006	5 Adult
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO435383	2006	1 Adult
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO435383	2006	1 Adult
Song Thrush	<i>Turdus philomelos</i>	BRed, HBAPCC, HBAPPS	SO435375	2006	1 Present

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Starling	<i>Sturnus vulgaris</i>	BRed	SO402377	2006	1 Present
Starling	<i>Sturnus vulgaris</i>	BRed	SO435383	2006	6 Present
Swallow	<i>Hirundo rustica</i>	BAmb, Bern2	SO4138	2006	4 Present
Swallow	<i>Hirundo rustica</i>	BAmb, Bern2	SO434383	2006	1 Nest
Swallow	<i>Hirundo rustica</i>	BAmb, Bern2	SO435383	2006	6 Present
Swallow	<i>Hirundo rustica</i>	BAmb, Bern2	SO435383	2006	Present Breeding confirmed
Swallow	<i>Hirundo rustica</i>	BAmb, Bern2	SO435383	2006	2 Breeding confirmed
Swift	<i>Apus apus</i>	BAmb	SO420387	2006	25 Present; Present Breeding
Water Vole	<i>Arvicola amphibius</i>	HBAPCC, HBAPPS, Sect.41, UKBAP, WCA5/9.1k/l, WCA5/9.1t, WCA5/9.2, WCA5/9.4.a, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435383	2006	1 Adult
Yellowhammer	<i>Emberiza citrinella</i>	Bern2, BRed, HBAPCC, Sect.41, UKBAP	SO402377	2006	20 Present
Yellowhammer	<i>Emberiza citrinella</i>	Bern2, BRed, HBAPCC, Sect.41, UKBAP	SO435383	2006	Present
Yellowhammer	<i>Emberiza citrinella</i>	Bern2, BRed, HBAPCC, Sect.41, UKBAP	SO435383	2006	2 Present
Brown Long-Eared Bat	<i>Plecotus auritus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO4206736514	2005	1 Droppings
Brown Long-Eared Bat	<i>Plecotus auritus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO4206736514	2005	1 In flight
Brown Long-Eared Bat	<i>Plecotus auritus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO4206736514	2005	4 In flight

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Bullfinch	<i>Pyrrhula pyrrhula</i>	BAmb, HBAPCC, HBAPPS, HBAPSR	SO435375	2005	2 Pair
Buzzard	<i>Buteo buteo</i>	CITESA, CMS_A2, HBAPCC	SO4138	2005	1 Present
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO425359	2005	1 Juvenile
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO437383	2005	19 Egg/ovum
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	CMS_A2, HabRegs2, HBAPCC, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO425359	2005	Present
Daubenton's Bat	<i>Myotis daubentonii</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO425359	2005	Present
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO418388	2005	3 Adult
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO41853885	2005	1 Adult
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO437383	2005	3 Egg/ovum
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO437383	2005	20 Breeding confirmed
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Bern2	SO435375	2005	1 Present

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Moorhen	<i>Gallinula chloropus</i>	CMS_A2	SO437383	2005	Present
Noctule	<i>Nyctalus noctula</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO4206736514	2005	1 In flight
Noctule	<i>Nyctalus noctula</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO4206736514	2005	4 In flight
Noctule	<i>Nyctalus noctula</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO425359	2005	Present
Pipistrelle Bat species	<i>Pipistrellus</i>	CMS_A2, HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO4206736514	2005	1 Droppings
Raven	<i>Corvus corax</i>	HBAPCC	SO4138	2005	1 Present
Raven	<i>Corvus corax</i>	HBAPCC	SO4138	2005	1 Present
Raven	<i>Corvus corax</i>	HBAPCC	SO4138	2005	4 Present
Raven	<i>Corvus corax</i>	HBAPCC	SO4138	2005	2 Pair
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO418388	2005	1 Adult
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO437383	2005	2 Adult
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO437383	2005	20 Breeding confirmed
Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO4206736514	2005	60 In flight

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Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO4206736514	2005	20 In flight
Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO4206736514	2005	20 In flight
Soprano Pipistrelle	<i>Pipistrellus pygmaeus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO425359	2005	Present
Swallow	<i>Hirundo rustica</i>	BAmb, Bern2	SO4138	2005	1 Present
Tawny Owl	<i>Strix aluco</i>	Bern2, CITESA	SO4206736514	2005	1 In flight
Treecreeper	<i>Certhia familiaris</i>	Bern2	SO435375	2005	1 Present
Unidentified Bat	<i>Myotis</i>	CMS_A2, HabRegs2, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO425359	2005	Present
Wood Warbler	<i>Phylloscopus sibilatrix</i>	BRed, HBAPCC, Sect.41, UKBAP	SO435375	2005	2 Present
Bats	<i>Chiroptera</i>		SO413379	2004	Present
Bullfinch	<i>Pyrrhula pyrrhula</i>	BAmb, HBAPCC, HBAPPS, HBAPSR	SO417387	2004	1 Present; Present Female
Bullfinch	<i>Pyrrhula pyrrhula</i>	BAmb, HBAPCC, HBAPPS, HBAPSR	SO417387	2004	1 Male; 1 Female
Buzzard	<i>Buteo buteo</i>	CITESA, CMS_A2, HBAPCC	SO4138	2004	1 Present
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO417367	2004	24 Egg/ovum
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO424364	2004	Present Egg/ovum
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO434384	2004	1 Present

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Common Toad	<i>Bufo bufo</i>	HBAPCC, Sect.41, UKBAP, WCA5/9.5a, WCA5/9.5b	SO417367	2004	14 Adult; 2 Egg/ovum
Common Toad	<i>Bufo bufo</i>	HBAPCC, Sect.41, UKBAP, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	1 Adult
Common Toad	<i>Bufo bufo</i>	HBAPCC, Sect.41, UKBAP, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	1 Juvenile
Dunnock	<i>Prunella modularis</i>	BAmb, Bern2	SO4237	2004	3 Present; Present Breeding
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	3 Egg/ovum
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	1 Adult Female
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO436384	2004	1 Larvae
Green Woodpecker	<i>Picus viridis</i>	BAmb, Bern2, HBAPCC	SO4237	2004	2 Present
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO4138	2004	c.80 Present
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO428360	2004	c.8 Present
Kestrel	<i>Falco tinnunculus</i>	BAmb, Bern2, CITESA, CMS_A2, HBAPCC, HBAPPS	SO4138	2004	1 Present
Lapwing	<i>Vanellus vanellus</i>	BRed, CMS_A2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO402377	2004	c.25 Present
Mallard	<i>Anas platyrhynchos</i>	BAmb, CMS_A2	SO436384	2004	Present Adult
Mistle Thrush	<i>Turdus viscivorus</i>	BAmb	SO4138	2004	1 Present

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Otter	<i>Lutra lutra</i>	Bern2, CITESA, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO435366	2004	1 Dead
Palmate Newt	<i>Lissotriton helveticus</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO417367	2004	Present Adult
Pipistrelle	<i>Pipistrellus pipistrellus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HBAPPS, HSD4, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO412367	2004	1 Present; Present
Raven	<i>Corvus corax</i>	HBAPCC	SO4138	2004	2 Present
Reed Warbler	<i>Acrocephalus scirpaceus</i>	HBAPCC	SO4237	2004	2 Adult Male; c2 Juvenile; Present Breeding
Reed Warbler	<i>Acrocephalus scirpaceus</i>	HBAPCC	SO4237	2004	2 Present; Present Breeding
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO417367	2004	3 Adult
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	2 Male
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	8 Female
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	13 Male
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	16 Female
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	5 Male
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	2 Female
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	3 Female
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	1 Male
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	21 Male

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Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	5 Female
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	4 Female
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2004	4 Male
Sparrowhawk	<i>Accipiter nisus</i>	CITESA, CMS_A2	SO417387	2004	1 Present
Stoat	<i>Mustela erminea</i>	HBAPCC, HBAPSR	SO433365	2004	1 Adult
Stoat	<i>Mustela erminea</i>	HBAPCC, HBAPSR	SO433365	2004	1 Adult
Swallow	<i>Hirundo rustica</i>	BAmb, Bern2	SO4138	2004	1 Present
Swallow	<i>Hirundo rustica</i>	BAmb, Bern2	SO4138	2004	1 Present
Turtle Dove	<i>Streptopelia turtur</i>	BRed, CITESA, HBAPCC, HBAPPS, Sect.41, UKBAP	SO4237	2004	1 Present
Water Vole	<i>Arvicola amphibius</i>	HBAPCC, HBAPPS, Sect.41, UKBAP, WCA5/9.1k/l, WCA5/9.1t, WCA5/9.2, WCA5/9.4.a, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO417367	2004	1 Adult; 3 Droppings
Whitethroat	<i>Sylvia communis</i>	BAmb, HBAPCC	SO4237	2004	4 Present; Present Breeding
Willow Warbler	<i>Phylloscopus trochilus</i>	BAmb	SO4237	2004	3 Present
Yellowhammer	<i>Emberiza citrinella</i>	Bern2, BRed, HBAPCC, Sect.41, UKBAP	SO4237	2004	4 Present
Barn Owl	<i>Tyto alba</i>	BAmb, Bern2, CITESA, HBAPCC, HBAPPS, WCA1i	SO4237	2003	1 Present
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO4237	2003	1 Present
Buzzard	<i>Buteo buteo</i>	CITESA, CMS_A2, HBAPCC	SO4237	2003	1 Present
Canada Goose	<i>Branta canadensis</i>	CMS_A2	SO4237	2003	1 Present
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	1 Adult
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	3 Juvenile
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	2 Juvenile
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	2 Adult Female

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Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	9 Juvenile
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO421359	2003	40 Present
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO421359	2003	Present Egg/ovum
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO431381	2003	15 Adult
Common Toad	<i>Bufo bufo</i>	HBAPCC, Sect.41, UKBAP, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	3 Adult
Common Toad	<i>Bufo bufo</i>	HBAPCC, Sect.41, UKBAP, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	1 Female
Common Toad	<i>Bufo bufo</i>	HBAPCC, Sect.41, UKBAP, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	2 Female
Common Toad	<i>Bufo bufo</i>	HBAPCC, Sect.41, UKBAP, WCA5/9.5a, WCA5/9.5b	SO421359	2003	1 Present
Common Toad	<i>Bufo bufo</i>	HBAPCC, Sect.41, UKBAP, WCA5/9.5a, WCA5/9.5b	SO427359	2003	3 Present
Goldcrest	<i>Regulus regulus</i>	Bern2	SO4237	2003	1 Present
Grass Vetchling	<i>Lathyrus nissolia</i>	HBAPCC	SO417369	2003	1 Present
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO41773703	2003	1 Adult Female
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Bern2	SO4237	2003	1 Present
Great Tit	<i>Parus major</i>	Bern2	SO4237	2003	1 Present
Green Woodpecker	<i>Picus viridis</i>	BAmb, Bern2, HBAPCC	SO4237	2003	1 Present
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO4138	2003	19 Present
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO4138	2003	18 Present
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO415389	2003	c.10 Present

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House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO417388	2003	8 - 50 Present
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO4237	2003	1 Present
Kestrel	<i>Falco tinnunculus</i>	BAmb, Bern2, CITESA, CMS_A2, HBAPCC, HBAPPS	SO4237	2003	1 Present
Lapwing	<i>Vanellus vanellus</i>	BRed, CMS_A2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO402377	2003	3 Present
Lapwing	<i>Vanellus vanellus</i>	BRed, CMS_A2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO402377	2003	1 Pair; 2 Present; Present Breeding
Lapwing	<i>Vanellus vanellus</i>	BRed, CMS_A2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO402377	2003	2 Present
Lapwing	<i>Vanellus vanellus</i>	BRed, CMS_A2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO4138	2003	20 Present
Little Owl	<i>Athene noctua</i>	Bern2, CITESA, HBAPCC	SO4237	2003	1 Present
Mallard	<i>Anas platyrhynchos</i>	BAmb, CMS_A2	SO4237	2003	1 Present
Moorhen	<i>Gallinula chloropus</i>	CMS_A2	SO4237	2003	1 Present
Mute Swan	<i>Cygnus olor</i>	CMS_A2	SO4237	2003	1 Present
Palmate Newt	<i>Lissotriton helveticus</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	1 Male
Peregrine	<i>Falco peregrinus</i>	BD1, Bern2, CITESA, CMS_A2, HBAPCC, HBAPPS, WCA1i	SO4237	2003	1 Present
Pied Wagtail	<i>Motacilla alba subsp. yarrellii</i>	Bern2	SO4237	2003	1 Present
Pyramidal Orchid	<i>Anacamptis pyramidalis</i>	CITESB, HBAPCC	SO417369	2003	1 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO4237	2003	1 Present
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	14 Larvae
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	20 Larvae
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	4 Larvae
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	1 Adult Male

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Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	1 Larvae
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	5 Larvae
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	1 Female
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	3 Egg/ovum
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	17 Male
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	5 Female
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	50+ Egg/ovum
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO41753701	2003	24 Larvae
Song Thrush	<i>Turdus philomelos</i>	BRed, HBAPCC, HBAPPS	SO4237	2003	1 Present
Sparrowhawk	<i>Accipiter nisus</i>	CITESA, CMS_A2	SO4237	2003	1 Present
Starling	<i>Sturnus vulgaris</i>	BRed	SO4138	2003	c.20 Present
Starling	<i>Sturnus vulgaris</i>	BRed	SO4138	2003	40 Present
Starling	<i>Sturnus vulgaris</i>	BRed	SO4138	2003	100 Present
Starling	<i>Sturnus vulgaris</i>	BRed	SO4237	2003	1 Present
Swift	<i>Apus apus</i>	BAmb	SO420387	2003	c.30 Present; Present Breeding
Tawny Owl	<i>Strix aluco</i>	Bern2, CITESA	SO4237	2003	1 Present
Tree Sparrow	<i>Passer montanus</i>	BRed, HBAPCC, HBAPPS, Sect.41, UKBAP	SO4237	2003	1 Present
Treecreeper	<i>Certhia familiaris</i>	Bern2	SO4237	2003	1 Present
Troglodytes	<i>Troglodytes troglodytes</i>	Bern2	SO4237	2003	1 Present
troglodytes subsp.	<i>subsp. troglodytes</i>				
troglodytes					
Wild Pansy	<i>Viola tricolor</i>	RLGB.Lr(NT)	SO417369	2003	1 Present
Green Woodpecker	<i>Picus viridis</i>	BAmb, Bern2, HBAPCC	SO4237	2002	2 Present
Lapwing	<i>Vanellus vanellus</i>	BRed, CMS_A2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO402377	2002	2 Present; Present Breeding
Lapwing	<i>Vanellus vanellus</i>	BRed, CMS_A2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO4138	2002	2 Present; 2 Adult

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Barn Owl	<i>Tyto alba</i>	BAmb, Bern2, CITESA, HBAPCC, HBAPPS, WCA1i	SO413368	2001	1 Present
Bats	<i>Chiroptera</i>		SO419361	2001	Present
Brown Long-Eared Bat	<i>Plecotus auritus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO423363	2001	Present
Bullfinch	<i>Pyrrhula pyrrhula</i>	BAmb, HBAPCC, HBAPPS, HBAPSR	SO4237	2001	2 Juvenile; 4 Present; Present Male; Present Breeding; Present Female
Common Toad	<i>Bufo bufo</i>	HBAPCC, Sect.41, UKBAP, WCA5/9.5a, WCA5/9.5b	SO429358	2001	1 Adult
Harvest Mouse	<i>Micromys minutus</i>	HBAPCC, HBAPSR, Sect.41, UKBAP	SO437383	2001	1 Present
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO4237	2000	7 Present
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO4237	2000	2 Present
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO4237	2000	5 Present
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO4237	2000	4 Present
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO4237	2000	7 Present
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO4237	2000	15 Present
Brambling	<i>Fringilla montifringilla</i>	WCA1i	SO4237	2000	3 Present
Brambling	<i>Fringilla montifringilla</i>	WCA1i	SO4237	2000	1 Present
Bullfinch	<i>Pyrrhula pyrrhula</i>	BAmb, HBAPCC, HBAPPS, HBAPSR	SO4237	2000	1 Present
Bullfinch	<i>Pyrrhula pyrrhula</i>	BAmb, HBAPCC, HBAPPS, HBAPSR	SO4237	2000	2 Female; 2 Male; 4 Present
Coal Tit	<i>Periparus ater</i>	Bern2	SO4237	2000	1 Present
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	CMS_A2, HabRegs2, HBAPCC, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO406383	2000	5 In flight
Dunnock	<i>Prunella modularis</i>	BAmb, Bern2	SO402377	2000	c.6 Present; Present Breeding
Dunnock	<i>Prunella modularis</i>	BAmb, Bern2	SO4237	2000	2 Present
Dunnock	<i>Prunella modularis</i>	BAmb, Bern2	SO4237	2000	1 Present
Dunnock	<i>Prunella modularis</i>	BAmb, Bern2	SO4237	2000	2 Present
Dunnock	<i>Prunella modularis</i>	BAmb, Bern2	SO4237	2000	2 Present

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Dunnock	<i>Prunella modularis</i>	BAmb, Bern2	SO4237	2000	1 Present
Fieldfare	<i>Turdus pilaris</i>	BRed, HBAPCC, WCA1i	SO402377	2000	c.200 Present
Fieldfare	<i>Turdus pilaris</i>	BRed, HBAPCC, WCA1i	SO4237	2000	20 Present
Fieldfare	<i>Turdus pilaris</i>	BRed, HBAPCC, WCA1i	SO4237	2000	20 Present
Goldfinch	<i>Carduelis carduelis</i>	Bern2	SO4237	2000	2 Present
Goldfinch	<i>Carduelis carduelis</i>	Bern2	SO4237	2000	2 Present
Goldfinch	<i>Carduelis carduelis</i>	Bern2	SO4237	2000	2 Present
Goldfinch	<i>Carduelis carduelis</i>	Bern2	SO4237	2000	4 Present
Great Crested Newt	<i>Triturus cristatus</i>	Bern2, HabRegs2, HBAPCC, HBAPPS, HSD2p, HSD4, Sect.41, UKBAP, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO406385	2000	1 Adult Male
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Bern2	SO4237	2000	1 Present
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Bern2	SO4237	2000	1 Present
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Bern2	SO4237	2000	1 Present
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Bern2	SO4237	2000	1 Present
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Bern2	SO4237	2000	1 Present
Great Tit	<i>Parus major</i>	Bern2	SO4237	2000	1 Present
Great Tit	<i>Parus major</i>	Bern2	SO4237	2000	5 Present
Great Tit	<i>Parus major</i>	Bern2	SO4237	2000	6 Present
Great Tit	<i>Parus major</i>	Bern2	SO4237	2000	3 Present
Great Tit	<i>Parus major</i>	Bern2	SO4237	2000	3 Present
Great Tit	<i>Parus major</i>	Bern2	SO4237	2000	1 Present
Great Tit	<i>Parus major</i>	Bern2	SO4237	2000	6 Present
Hedgehog	<i>Erinaceus europaeus</i>	HBAPCC, HBAPSR, Sect.41, UKBAP	SO416389	2000	1 Dead
Hedgehog	<i>Erinaceus europaeus</i>	HBAPCC, HBAPSR, Sect.41, UKBAP	SO420357	2000	1 Present
Hedgehog	<i>Erinaceus europaeus</i>	HBAPCC, HBAPSR, Sect.41, UKBAP	SO432383	2000	1 Dead

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House Martin	<i>Delichon urbicum</i>	BAmb, Bern2	SO4237	2000	4 Present
House Martin	<i>Delichon urbicum</i>	BAmb, Bern2	SO4237	2000	8 Present
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO4237	2000	2 Present
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO4237	2000	1 Present
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO4237	2000	1 Present
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO4237	2000	2 Present
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO4237	2000	1 Present
Lapwing	<i>Vanellus vanellus</i>	BRed, CMS_A2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO4237	2000	1 Present
Linnet	<i>Linaria cannabina</i>	Bern2, BRed, HBAPCC, HBAPPS	SO4237	2000	2 Present
Linnet	<i>Linaria cannabina</i>	Bern2, BRed, HBAPCC, HBAPPS	SO4237	2000	1 Present
Linnet	<i>Linaria cannabina</i>	Bern2, BRed, HBAPCC, HBAPPS	SO4237	2000	2 Present
Little Grebe	<i>Tachybaptus ruficollis</i>	BAmb	SO406383	2000	Present
Little Owl	<i>Athene noctua</i>	Bern2, CITESA, HBAPCC	SO4237	2000	1 Present
Mallard	<i>Anas platyrhynchos</i>	BAmb, CMS_A2	SO4237	2000	2 Present
Mallard	<i>Anas platyrhynchos</i>	BAmb, CMS_A2	SO4237	2000	10 Present; 2 Pairs; Present Breeding
Mallard	<i>Anas platyrhynchos</i>	BAmb, CMS_A2	SO4237	2000	1 Present
Mallard	<i>Anas platyrhynchos</i>	BAmb, CMS_A2	SO4237	2000	1 Present
Mallard	<i>Anas platyrhynchos</i>	BAmb, CMS_A2	SO4237	2000	2 Present
Mallard	<i>Anas platyrhynchos</i>	BAmb, CMS_A2	SO4237	2000	3 Present
Mallard	<i>Anas platyrhynchos</i>	BAmb, CMS_A2	SO4237	2000	1 Pairs; 2 Present; Present Breeding
Mistle Thrush	<i>Turdus viscivorus</i>	BAmb	SO4237	2000	1 Present
Mistle Thrush	<i>Turdus viscivorus</i>	BAmb	SO4237	2000	1 Present
Moorhen	<i>Gallinula chloropus</i>	CMS_A2	SO4237	2000	1 Present
Moorhen	<i>Gallinula chloropus</i>	CMS_A2	SO4237	2000	2 Present
Peregrine	<i>Falco peregrinus</i>	BD1, Bern2, CITESA, CMS_A2, HBAPCC, HBAPPS, WCA1i	SO4237	2000	1 Present
Pied Wagtail	<i>Motacilla alba subsp. yarrellii</i>	Bern2	SO4237	2000	1 Present

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Pied Wagtail	<i>Motacilla alba subsp. yarrellii</i>	Bern2	SO4237	2000	2 Present
Pied Wagtail	<i>Motacilla alba subsp. yarrellii</i>	Bern2	SO4237	2000	1 Present
Pied Wagtail	<i>Motacilla alba subsp. yarrellii</i>	Bern2	SO4237	2000	2 Present
Pied Wagtail	<i>Motacilla alba subsp. yarrellii</i>	Bern2	SO4237	2000	1 Present
Pied Wagtail	<i>Motacilla alba subsp. yarrellii</i>	Bern2	SO4237	2000	1 Present
Raven	<i>Corvus corax</i>	HBAPCC	SO4237	2000	1 Present
Redwing	<i>Turdus iliacus</i>	BRed, HBAPCC, WCA1i	SO4237	2000	10 Present
Reed Bunting	<i>Emberiza schoeniclus</i>	BAmb, Bern2, HBAPCC, HBAPPS, Sect.41, UKBAP	SO4237	2000	1 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO4237	2000	4 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO4237	2000	5 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO4237	2000	2 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO4237	2000	2 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO4237	2000	3 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO4237	2000	3 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO4237	2000	3 Present
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	HBAPCC, HBAPSR	SO4237	2000	3 Present
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	HBAPCC, HBAPSR	SO4237	2000	3 Present
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	HBAPCC, HBAPSR	SO4237	2000	2 Present
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	HBAPCC, HBAPSR	SO4237	2000	3 Present
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	HBAPCC, HBAPSR	SO4237	2000	3 Present
Skylark	<i>Alauda arvensis</i>	BRed, HBAPCC, HBAPPS, Sect.41	SO4237	2000	1 Present
Skylark	<i>Alauda arvensis</i>	BRed, HBAPCC, HBAPPS, Sect.41	SO4237	2000	1 Present

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Skylark	<i>Alauda arvensis</i>	BRed, HBAPCC, HBAPPS, Sect.41	SO4237	2000	1 Present
Skylark	<i>Alauda arvensis</i>	BRed, HBAPCC, HBAPPS, Sect.41	SO4237	2000	2 Present
Skylark	<i>Alauda arvensis</i>	BRed, HBAPCC, HBAPPS, Sect.41	SO4237	2000	1 Present
Skylark	<i>Alauda arvensis</i>	BRed, HBAPCC, HBAPPS, Sect.41	SO4237	2000	1 Present
Skylark	<i>Alauda arvensis</i>	BRed, HBAPCC, HBAPPS, Sect.41	SO4237	2000	1 Present
Song Thrush	<i>Turdus philomelos</i>	BRed, HBAPCC, HBAPPS	SO4237	2000	2 Present
Song Thrush	<i>Turdus philomelos</i>	BRed, HBAPCC, HBAPPS	SO4237	2000	1 Present
Song Thrush	<i>Turdus philomelos</i>	BRed, HBAPCC, HBAPPS	SO4237	2000	1 Present
Song Thrush	<i>Turdus philomelos</i>	BRed, HBAPCC, HBAPPS	SO4237	2000	1 Present
Sparrowhawk	<i>Accipiter nisus</i>	CITESA, CMS_A2	SO402377	2000	1 Present
Sparrowhawk	<i>Accipiter nisus</i>	CITESA, CMS_A2	SO4237	2000	1 Present
Starling	<i>Sturnus vulgaris</i>	BRed	SO4237	2000	2 Present
Starling	<i>Sturnus vulgaris</i>	BRed	SO4237	2000	1 Present
Starling	<i>Sturnus vulgaris</i>	BRed	SO4237	2000	3 Present
Starling	<i>Sturnus vulgaris</i>	BRed	SO4237	2000	1 Present
Starling	<i>Sturnus vulgaris</i>	BRed	SO4237	2000	10 Present
Swallow	<i>Hirundo rustica</i>	BAmb, Bern2	SO4237	2000	2 Present
Swallow	<i>Hirundo rustica</i>	BAmb, Bern2	SO4237	2000	2 Present
Troglodytes	<i>Troglodytes troglodytes</i>	Bern2	SO4237	2000	8 Present
troglodytes subsp.	<i>subsp. troglodytes</i>				
troglodytes					
Troglodytes	<i>Troglodytes troglodytes</i>	Bern2	SO4237	2000	5 Present
troglodytes subsp.	<i>subsp. troglodytes</i>				
troglodytes					
Troglodytes	<i>Troglodytes troglodytes</i>	Bern2	SO4237	2000	3 Present
troglodytes subsp.	<i>subsp. troglodytes</i>				
troglodytes					
Troglodytes	<i>Troglodytes troglodytes</i>	Bern2	SO4237	2000	4 Present
troglodytes subsp.	<i>subsp. troglodytes</i>				
troglodytes					

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Troglodytes troglodytes subsp. troglodytes	<i>Troglodytes troglodytes subsp. troglodytes</i>	Bern2	SO4237	2000	4 Present
Troglodytes troglodytes subsp. troglodytes	<i>Troglodytes troglodytes subsp. troglodytes</i>	Bern2	SO4237	2000	4 Present
Troglodytes troglodytes subsp. troglodytes	<i>Troglodytes troglodytes subsp. troglodytes</i>	Bern2	SO4237	2000	3 Present
Willow Warbler	<i>Phylloscopus trochilus</i>	BAmb	SO4237	2000	1 Present
Yellowhammer	<i>Emberiza citrinella</i>	Bern2, BRed, HBAPCC, Sect.41, UKBAP	SO402377	2000	c.10 Present
Yellowhammer	<i>Emberiza citrinella</i>	Bern2, BRed, HBAPCC, Sect.41, UKBAP	SO4237	2000	1 Present
Yellowhammer	<i>Emberiza citrinella</i>	Bern2, BRed, HBAPCC, Sect.41, UKBAP	SO4237	2000	1 Present
Yellowhammer	<i>Emberiza citrinella</i>	Bern2, BRed, HBAPCC, Sect.41, UKBAP	SO4237	2000	1 Present
Yellowhammer	<i>Emberiza citrinella</i>	Bern2, BRed, HBAPCC, Sect.41, UKBAP	SO4237	2000	2 Present
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO4237	1999	5 Present
Blue Tit	<i>Cyanistes caeruleus</i>	Bern2	SO4237	1999	6 Present
Bluebell	<i>Hyacinthoides non-scripta</i>	HBAPCC, WCA8	SO43933780	1999	Present
Coal Tit	<i>Periparus ater</i>	Bern2	SO4237	1999	1 Present
Common Shrew	<i>Sorex araneus</i>	HBAPCC	SO439378	1999	1 Dead
Dunnock	<i>Prunella modularis</i>	BAmb, Bern2	SO4237	1999	3 Present
Goldcrest	<i>Regulus regulus</i>	Bern2	SO4237	1999	1 Present
Goldfinch	<i>Carduelis carduelis</i>	Bern2	SO4237	1999	4 Present
Goldfinch	<i>Carduelis carduelis</i>	Bern2	SO4237	1999	1 Present
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Bern2	SO4237	1999	1 Present
Great Spotted Woodpecker	<i>Dendrocopos major</i>	Bern2	SO4237	1999	2 Present
Great Tit	<i>Parus major</i>	Bern2	SO4237	1999	2 Present
Great Tit	<i>Parus major</i>	Bern2	SO4237	1999	3 Present

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House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO4237	1999	6 Present
House Sparrow	<i>Passer domesticus</i>	BRed, HBAPCC, HBAPSR, Sect.41, UKBAP	SO4237	1999	4 Present
Kestrel	<i>Falco tinnunculus</i>	BAmb, Bern2, CITESA, CMS_A2, HBAPCC, HBAPPS	SO4237	1999	1 Present
Lesser Redpoll	<i>Acanthis cabaret</i>	BRed, Sect.41, UKBAP	SO4237	1999	1 Present
Mallard	<i>Anas platyrhynchos</i>	BAmb, CMS_A2	SO4237	1999	2 Present
Mallard	<i>Anas platyrhynchos</i>	BAmb, CMS_A2	SO4237	1999	4 Present
Mistle Thrush	<i>Turdus viscivorus</i>	BAmb	SO4237	1999	1 Present
Moorhen	<i>Gallinula chloropus</i>	CMS_A2	SO4237	1999	3 Present
Moorhen	<i>Gallinula chloropus</i>	CMS_A2	SO4237	1999	1 Present
Pied Wagtail	<i>Motacilla alba subsp. yarrellii</i>	Bern2	SO4237	1999	2 Present
Pied Wagtail	<i>Motacilla alba subsp. yarrellii</i>	Bern2	SO4237	1999	1 Present
Redwing	<i>Turdus iliacus</i>	BRed, HBAPCC, WCA1i	SO4237	1999	1 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO4237	1999	2 Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO4237	1999	5 Present
Siskin	<i>Spinus spinus</i>	Bern2	SO4237	1999	8 Present
Song Thrush	<i>Turdus philomelos</i>	BRed, HBAPCC, HBAPPS	SO4237	1999	1 Present
Sparrowhawk	<i>Accipiter nisus</i>	CITESA, CMS_A2	SO4237	1999	1 Present
Starling	<i>Sturnus vulgaris</i>	BRed	SO4237	1999	12 Present
Starling	<i>Sturnus vulgaris</i>	BRed	SO4237	1999	1 Present
Troglodytes troglodytes subsp. troglodytes	<i>Troglodytes troglodytes subsp. troglodytes</i>	Bern2	SO4237	1999	4 Present
Troglodytes troglodytes subsp. troglodytes	<i>Troglodytes troglodytes subsp. troglodytes</i>	Bern2	SO4237	1999	9 Present
Common Spotted-Orchid	<i>Dactylorhiza fuchsii</i>	CITESB	SO439377	1996	Present
Mistletoe	<i>Viscum album</i>	HBAPCC, HBAPPS	SO43J	1996	Present
Sun Spurge	<i>Euphorbia helioscopia</i>	CITESB	SO416373	1993	Present
Common Frog	<i>Rana temporaria</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO425357	1992	1 Adult

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Mistletoe	<i>Viscum album</i>	HBAPCC, HBAPPS	SO43I	1992	Present
Smooth Newt	<i>Lissotriton vulgaris</i>	HBAPCC, WCA5/9.5a, WCA5/9.5b	SO425357	1992	1 Adult
Viviparous Lizard	<i>Zootoca vivipara</i>	Sect.41, UKBAP, WCA5/9.1k/I, WCA5/9.5a, WCA5/9.5b	SO425357	1992	1 Adult
Common Spotted- Orchid	<i>Dactylorhiza fuchsii</i>	CITESB	SO439377	1991	Present
Cuckoo	<i>Cuculus canorus</i>	BRed, Sect.41, UKBAP	SO439377	1991	Present
Curlew	<i>Numenius arquata</i>	BAmb, CMS_A2, HBAPCC, Sect.41, UKBAP	SO439377	1991	Present
Garden Warbler	<i>Sylvia borin</i>	HBAPCC	SO439377	1991	Present
Horned Pondweed	<i>Zannichellia palustris</i>	HBAPCC	SO436384	1991	Present
Robin	<i>Erithacus rubecula</i>	Bern2	SO439377	1991	Present
Wren	<i>Troglodytes troglodytes</i>	Bern2	SO439377	1991	Present
Blood-Vein	<i>Timandra comae</i>	Sect.41, UKBAP	SO435384	1990	1 Adult
Blood-Vein	<i>Timandra comae</i>	Sect.41, UKBAP	SO439377	1990	3 Adult
Bluebell	<i>Hyacinthoides non-scripta</i>	HBAPCC, WCA8	SO43E	1990	Present
Bluebell	<i>Hyacinthoides non-scripta</i>	HBAPCC, WCA8	SO43J	1990	Present
Fine-Leaved Water- Dropwort	<i>Oenanthe aquatica</i>	HBAPCC	SO410383	1990	Present
Mistletoe	<i>Viscum album</i>	HBAPCC, HBAPPS	SO43E	1990	Present
Petty Spurge	<i>Euphorbia peplus</i>	CITESB	SO43I	1990	Present
Round-Leaved Mint	<i>Mentha suaveolens</i>	NS-excludes, RLGB.DD	SO426384	1990	Present
Stinking Chamomile	<i>Anthemis cotula</i>	RLGB.VU	SO43I	1990	Present
Tubular Water- Dropwort	<i>Oenanthe fistulosa</i>	RLGB.VU, Sect.41, UKBAP	SO410383	1990	Present
Tubular Water- Dropwort	<i>Oenanthe fistulosa</i>	RLGB.VU, Sect.41, UKBAP	SO435384	1990	Present
Wood Spurge	<i>Euphorbia amygdaloides</i>	CITESB	SO43E	1990	Present
Bats	<i>Chiroptera</i>		SO418389	1989	Present
Mousetail	<i>Myosurus minimus</i>	RLGB.VU	SO407383	1988	Present
Bats	<i>Chiroptera</i>		SO419362	1987	Present Possible roost

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Common Spotted-Orchid	<i>Dactylorhiza fuchsii</i>	CITESB	SO438377	1987	Present
Pipistrelle	<i>Pipistrellus pipistrellus</i>	Bern2, CMS_A2, HabRegs2, HBAPCC, HBAPPS, HSD4, WCA5/9.4b, WCA5/9.4c, WCA5/9.5a, WCA5/9.5b	SO419361	1987	Present
Bats	<i>Chiroptera</i>		SO404384	1986	Present
Bluebell	<i>Hyacinthoides non-scripta</i>	HBAPCC, WCA8	SO43I	1986	Present
Common Spotted-Orchid	<i>Dactylorhiza fuchsii</i>	CITESB	SO43I	1986	Present
Cowslip	<i>Primula veris</i>	HBAPCC	SO43I	1986	Present
Narcissus	<i>Narcissus</i>	HBAPCC, HBAPPS	SO43I	1986	Present
pseudonarcissus subsp.	<i>pseudonarcissus subsp. pseudonarcissus</i>				
pseudonarcissus					
Shaded Broad-bar	<i>Scotopteryx chenopodiata</i>	Sect.41, UKBAP	SO439377	1985	1 Adult
Bats	<i>Chiroptera</i>		SO417384	1984	Present
Nightingale	<i>Luscinia megarhynchos</i>	BAmb, Bern2, HBAPCC, HBAPSR	SO439377	1984	Present
Box	<i>Buxus sempervirens</i>	HBAPCC, NR-excludes, RLGB.DD	SO424356	1981	Present
Bluebell	<i>Hyacinthoides non-scripta</i>	HBAPCC, WCA8	SO43D	1980	Present
Common Spotted-Orchid	<i>Dactylorhiza fuchsii</i>	CITESB	SO439377	1980	Abundant Present
Mistletoe	<i>Viscum album</i>	HBAPCC, HBAPPS	SO43D	1980	Present
Spiny Restharrow	<i>Ononis spinosa</i>	HBAPCC	SO439377	1978	Present
Common Spotted-Orchid	<i>Dactylorhiza fuchsii</i>	CITESB	SO439378	1977	Present
Cowslip	<i>Primula veris</i>	HBAPCC	SO43J	1977	Present
Little Owl	<i>Athene noctua</i>	Bern2, CITESA, HBAPCC	SO438382	1977	Present
Moorhen	<i>Gallinula chloropus</i>	CMS_A2	SO419366	1977	Present
Scots Pine	<i>Pinus sylvestris</i>	NS-excludes	SO405365	1977	Occasional Present

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Tubular Water-Dropwort	<i>Oenanthe fistulosa</i>	RLGB.VU, Sect.41, UKBAP	SO4338	1977	Present
Willow Warbler	<i>Phylloscopus trochilus</i>	BAmb	SO439378	1977	Present
Common Spotted-Orchid	<i>Dactylorhiza fuchsii</i>	CITESB	SO439377	1975	Present
Spiny Restharrow	<i>Ononis spinosa</i>	HBAPCC	SO439377	1975	Present
Common Spotted-Orchid	<i>Dactylorhiza fuchsii</i>	CITESB	SO439377	1969	Abundant Present
Pennyroyal	<i>Mentha pulegium</i>	HBAPCC, HBAPPS, NS-excludes, RLGB.EN, Sect.41, UKBAP, WCA8	SO4338	1951	Present
Pennyroyal	<i>Mentha pulegium</i>	HBAPCC, HBAPPS, NS-excludes, RLGB.EN, Sect.41, UKBAP, WCA8	SO4338	1950	Present

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Kevin McGee BSc (Hons) MSc. GradCIEEM – Ecologist

Kevin is a life-long natural historian and holds a first class honours degree in countryside conservation from Aberystwyth University, where he was awarded the Aileen Smith Memorial Prize, as well as a masters with distinction in entomology from Harper Adams University. He has extensive experience and knowledge of botanical (including phytosociology) and entomological survey, recording, monitoring, identification and database compilation, plus expertise in fungi and vertebrate fauna. He has a strong understanding of habitats of all kinds, underlying geology and soil types, history of land use and environmental conditions, as well as planning and wildlife legislation and the protective site designation hierarchy in the UK and EU. Kevin also worked for many years in illustration and graphic arts including Designer and Illustrator for Worcester Porcelain.

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Please note that this report is a baseline ecological site audit of factors and features that may be significant for regulatory compliance and biodiversity policies relating to change of use or other disturbance. Such reports may not, on their own, contain sufficient information for a planning application and may require further more detailed study to assure compliance.



Betts Ecology Ltd
Bank House
Martley
Worcester WR6 6PB
United Kingdom

T +44 (0)1886 888445
F +44 (0)1886 888782

E nature@bettsecology.com

South-East UK Office: Kent
Northern UK Office: Yorkshire
Research Office: Alpes Maritimes - France

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