



EXTENDED PHASE 1 HABITAT SURVEY

CALA Homes Ltd

Land at Fewcott Road, Fritwell

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Executive Summary

Lockhart Garratt Ltd was commissioned by CALA Homes Ltd to carry out an Extended Phase 1 Habitat Survey including desk study for land at Fewcott Road, Fritwell, Oxfordshire.

There is one statutory site designated for its nature conservation interest within 2km of the Site, the Ardley Cutting and Quarry SSSI located approximately 0.9km to the south-west. The closest non-statutory designation of wildlife conservation interest is the Upper Heyford Airfield Local Wildlife Site, located 1.7km to the south of the Site. A range of protected mammal, amphibian and bird species were identified within 2km of the Site by the desk study.

The Extended Phase 1 Survey was undertaken on 9th September 2015. The habitat within the Site consisted of buildings, hard-standing, improved and semi-improved grassland, trees, hedgerows and tall ruderal vegetation.

The report considers the ecological conditions within the Site in the context of a potential future planning application for the redevelopment of the site to provide new residential dwellings with associated open space.

Overall it is considered that subject to the implementation of the recommendations and enhancements set out within this report, an overall net gain in biodiversity at the Site may be achieved. Recommendations, in this context, are as follows:

- Clearance and construction works should be scheduled outside of the main bird breeding season (March to August inclusive). If in the event works need to proceed within this period, then specialist advice from a suitably qualified ecologist should be sought.
- A habitat manipulation exercise should be undertaken in order to safeguard any reptiles which may be present within the Site.
- Any landscape planting should incorporate native species, including those species known to provide foraging opportunities for breeding birds and nectar sources for invertebrates. Enhancements in the form of bird and bat boxes are also recommended.

Table of Contents

1. INTRODUCTION	5
Terms of Instruction	5
Report Limitations	5
Documents provided	5
Qualifications	5
The Site	5
2. METHODOLOGY	6
Desk Study	6
Extended Phase 1 Habitat Survey	6
Habitat Assessment Evaluation Criteria	6
Protected Species Survey	6
Building Surveys – Bats	6
Bat Tree Assessment	6
Pond assessment – Great Crested Newt.....	7
3. RESULTS	8
Protected Species.....	8
Phase 1 Survey	11
Field Survey Limitations	11
Habitat Description.....	11
Buildings	11
Evidence of Protected Species and Other Faunal Interest	13
4. EVALUATION	14
Background.....	14
Designated Sites.....	14
Habitats	14
Species.....	14
5. RECOMMENDATIONS	16
Designed Sites.....	16
Habitat and Species Recommendations and Enhancements.....	16
Further Surveys	16
6. REFERENCES AND BIBLIOGRAPHY	17
Appendix 1: Desk Study Results	18
Appendix 2: Phase 1 Plan	19
Appendix 3: Photographic Record	20

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1. INTRODUCTION

Terms of Instruction

- 1.1. This report has been commissioned by CALA Homes Ltd. It provides an ecological assessment of the proposed redevelopment of land at Fewcott Road, Fritwell, Oxfordshire.

Report Limitations

- 1.2. This is an ecological report and as such no reliance should be given to comments relating to buildings, engineering, soils or other unrelated matters.

Documents provided

- 1.3. As background information the current study area plan and proposed development plan were provided.

Qualifications

- 1.4. The authors of this report are detailed below:
- Louise Floyd BSc (Hons) MSc– Primary Author/Primary Surveyor
 - Samantha Hodgson BSc (Hons) GradCIEEM –Secondary Author
 - John Lockhart FRICS CEnv – Project Director
 - Simon Muddiman – Graphics
 - Marie Allcoat – Project Administrator

The Site

- 1.5. The Site was located off Fewcott Road in Fritwell, Oxfordshire, centred at grid reference SP 529 290 (“the Site”). The assessment covered the whole Site, which was approximately 1.3ha in area.
- 1.6. At the time of the assessment, the Site mostly consisted of buildings, semi-improved grassland, trees, scrub and hard-standing. The Site was bound by Fewcott Road to the north, arable land to the east, grassland associated with a neighbouring farm to the south and allotments to the west.



Figure 1: Site location plan

(OS licence no. 100015654)

2. METHODOLOGY

Desk Study

- 2.1. The purpose of the desk study was to collect baseline data held by statutory and non-statutory consultees and to obtain any views they may have about the proposals. A secondary purpose of the desk study was to collect records of species that may not be present at the time of survey and identify any protected species or habitats which may potentially be affected by the proposals.
- 2.2. Information was requested for the site as well as a 2km radius around the site in line with the IEEM Guidelines for Preliminary Ecological Appraisal (2012). This information was gathered from the Thames Valley Environmental Records Centre (with the full information presented in **Appendix 1**).

Extended Phase 1 Habitat Survey

- 2.3. The aim of the Extended Phase 1 Habitat Survey was to provide information to establish the ecological value of the site and to determine the need for any further assessments.
- 2.4. During the Phase 1 Habitat Survey the dominant plant species present were recorded and the habitats classified according to their vegetation types.
- 2.5. The information is presented in accordance with the standard Phase 1 Habitat Survey format with habitat descriptions and a habitat map (Joint Nature Conservation Committee, 2010), presented in Appendix 3. In addition Target Notes providing supplementary information, for example relating to species composition, structure and management area also presented on the Habitat map.
- 2.6. In addition invasive weeds were also searched for during the Phase 1 Habitat Survey.
- 2.7. This assessment has followed the current baseline ecological survey guidance as set out in the Institute of Ecology and Environmental Management's Guidelines for Preliminary Ecological Appraisal (2012).

Habitat Assessment Evaluation Criteria

- 2.8. A five point evaluation scale has been applied to assist with the identification of key features of ecological significance in relation to the proposed development, following guidance outlined in IEEM (2006) guidelines. This is an arbitrary scale which experience has shown is effective at this level of assessment.
- 2.9. The five point scale is outlined below:
 - Low value;
 - Intermediate value;
 - High value (Local/District importance e.g. Local Wildlife Site);
 - Very high value (County importance e.g. Local Nature Reserve); and
 - Exceptional value (National importance e.g. Site of Special Scientific Interest (SSSI)).

Protected Species Survey

Building Surveys – Bats

- 2.10. Buildings within the Site were subject to external and internal inspection during the walkover survey in September 2015. The purpose of the assessment was to search for evidence of roosting bats, including droppings and feeding remains and also features likely to support these species.

Bat Tree Assessment

- 2.11. An external assessment of all suitable trees located within or immediately adjacent to the Site was undertaken to determine their potential to support roosting bats.
- 2.12. All suitable features such as cracks and splits in limbs, hollows and cavities, natural holes, woodpecker holes, loose bark and thick-stemmed ivy were assessed using binoculars and high powered torches where appropriate. Evidence of bat roosts themselves, including droppings, feeding remains and urine staining were also searched for during the assessment. Where no direct or indirect evidence of roosting bats were confirmed, trees were categorised as being of high, medium,

low or negligible potential to support roosting bats based on the type and number of suitable bat features present, in accordance with best practice guidance, Bat Conservation Trust (2012) *Bat Surveys: Good Practice Guidelines 2nd Edition*.

- i. *High potential* (Category 1*) – whereby no evidence of bats was observed but where the potential to support bats is noted due to a number of suitable features present, including most of the following: large number of suitable cracks and fissures, loose bark, woodpecker holes, dead limbs and Ivy;
- ii. *Low potential* (Category 2) – whereby no evidence of bats was observed and where the potential for bats being present is considered unlikely. Some features may be present, including 1 or 2 of the following: suitable cracks and fissures, loose bark, woodpecker holes, dead limbs, Ivy; however these are considered to be of limited potential only; and
- iii. *Negligible potential* (Category 3) – whereby no evidence of bats was observed and no suitable features for bats are supported, such that their presence is considered negligible.

Pond assessment – Great Crested Newt

2.13. Ponds within 250m of the Site were assessed for their potential to support Great Crested Newt based on the 'Habitat Suitability Index' (HSI)¹. The HSI uses a number of factors such as pond size, presence of vegetation, fish, waterfowl etc., to determine how likely it is that a pond may support Great Crested Newt.

¹ Amphibian and Reptile Groups of the UK. (2010). "*Great Crested Newt Habitat Suitability Index*".

3. RESULTS

3.1. The full information collected during the desk study is presented in **Appendix 1** and summarised below.

Designated and Non-designated Sites

3.2. The records search identified one statutory protected designation and two non-statutory designations within 2km, as summarised in **Table 1**.

Table 1: Summary of Nature Conservation Designations

Site Name	Designation	Proximity to Project	Description
<i>Statutory Designations</i>			
Ardley Cutting and Quarry	SSSI	0.9km South-west	Railway cutting of geological interest for its exposures of Jurassic rocks and ecological interest associated with limestone grassland, scrub, ancient woodland and wetland.
<i>Non-statutory Designations</i>			
Upper Heyford Airfield	LWS	1.7km South	A large area of grassland which ranges in diversity, with some areas which are calcareous in character. Contains large populations of Bee Orchids and Dwarf Thistle.
Ardley Quarry (North)	LGS	1.7km South-east	A disused quarry of geological interest.
Key: SSSI: Site of Special Scientific Interest LWS: Local Wildlife Site LGS: Local Geological Site			

Protected Species

3.3. **Table 2** summarises the protected species which were found within 2km of the study site. It should be noted that the absence of records should not be taken as confirmation that a species is absent from the search area.

Table 2: Summary of Protected Species

Species/Group	No. of records	Date of Closest Record	Proximity to Project	Legislation / Conservation Status
Herpetofauna				
Common Frog <i>Rana temporaria</i>	1	2001	2.4km South	WCA 5 S9(5) (sale only)
Common Toad <i>Bufo bufo</i>	1	2001	2.4km South	NERC S.41, UK BAP, WCA 5 S9(5) (sale only)
Great Crested Newt <i>Triturus cristatus</i>	142	2014	1.9km South-west	NERC S.41, UK BAP, WCA 5 S9(5), CHSR
Palmate Newt <i>Lissotriton helveticus</i>	1	2001	2.4km South	NERC S.41, UK BAP, WCA 5 S9(5), CHSR
Smooth Newt <i>Lissotriton vulgaris</i>	4	1991	1.9km South-east	NERC S.41, UK BAP, WCA 5 S9(5), CHSR
Mammals				
Badger <i>Meles meles</i>	8	2012	1.2km North-east	PBA
Brown Long-eared Bat <i>Plecotus auritus</i>	1	2013	0.3km South-west	NERC S.41, WCA 5 S9(5), CHSR
Common Pipistrelle <i>Pipistrellus pipistrellus</i>	1	2013	0.3km South-west	WCA 5 S9(5), CHSR
Hedgehog <i>Erinaceus europaeus</i>	1	2006	0.3km South-west	NERC S.41
Polecat <i>Mustela putorius</i>	1	2009	1.3km North-east	NERC S.41, WCA 5 S9(1), CHSR
Birds				
Barn Owl <i>Tyto alba</i>	1	2004	Within 10km	WCA 1i
Fieldfare <i>Turdus pilaris</i>	3	2007	1.9km South-east	WCA 1i
Hen Harrier <i>Circus cyaneus</i>	1	2004	Within 10km	WCA 1i
Kingfisher <i>Alcedo atthis</i>	1	2008	2km South-east	WCA 1i
Peregrine Falcon <i>Falco peregrinus</i>	1	2010	2.2km South-west	WCA 1i
Red Kite <i>Milvus milvus</i>	1	2010	2.3km South-west	WCA 1i,
Whimbrel <i>Numenius phaeopus</i>	1	2001	2.3km South-west	WCA 1i
Key: PBA: Protection of Badgers Act (1992) CRoW: Countryside and Rights of Way Act, 2000: Protection of certain birds and animals.				

Species/Group	No. of records	Date of Closest Record	Proximity to Project	Legislation / Conservation Status
<p> WCA 1i: Wildlife and Countryside Act (1981) (as amended); Birds protected by special penalties at all times, species specific. WCA 5 S9(5): Wildlife and Countryside Act (1981) (as amended); Protected animals (other than birds). UK BAP: United Kingdom Biodiversity Action Plan NERC S.41: Natural Environment and Rural Communities Act 2006, Section 41: Habitats and Species of Principal Importance in England CHSR: The Conservation of Habitat and Species Regulations 2010 (as amended) </p>				

Phase 1 Survey

- 3.4. The Phase 1 survey was conducted on 8th September 2015 in good weather conditions (60% cloud cover, dry, Beaufort scale 1).

Field Survey Limitations

- 3.5. There were no limitations to the assessment of the Site.

Habitat Description

- 3.6. Habitats identified during the Phase 1 habitat survey are detailed below in alphabetical order (not in order of ecological importance):

- Buildings
- Hard-standing
- Hedgerows
- Improved grassland
- Ponds (off-site)
- Semi-improved grassland
- Recolonising vegetation and tall ruderal
- Trees

- 3.7. The full Phase 1 Habitat Survey Map detailing the location of the above habitats and other features of ecological interest is presented at **Appendix 2**. The habitat descriptions below should be read in conjunction with this plan, associated target notes and the photo record at **Appendix 3**.

Buildings

- 3.8. Two buildings were present within the Site, both single-storey horse stables. Both buildings were assessed for their potential to support roosting bats.
- 3.9. Building **B1** was of breeze block and wooden construction with a pitched roof clad with corrugated asbestos. There was an open vaulted ceiling and several plastic skylights. A small extension to the building was present at the northern elevation, which had a flat roof which was used for log storage.
- 3.10. Building **B2** was a wooden structure used for storage at the time of survey. The roof was flat with chip-board and corrugated metal panels.
- 3.11. The buildings were light and draughty, offering limited potential to support roosting bats, however did offer some potential to support nesting birds.

Hard-standing

- 3.12. The Site contained several areas of hard-standing, used for access to the stables, which comprised limited vegetation, save for some opportunistic species.
- 3.13. This habitat was of negligible ecological value.

Hedgerows

- 3.14. Several hedgerows were present within the Site, including those bounding the Site to the south, east and west.
- 3.15. Hedgerow **H1** was located in the north-east of the Site and was unmanaged and largely overgrown with scrub. The hedgerow reached up to approximately 4m in height and comprised some dead wood.
- 3.16. Species present included Blackthorn *Prunus spinosa*, Alder *Alnus glutinosa*, Elder *Sambucus nigra*, Hawthorn *Crataegus monogyna*, Apple *Malus pumila*, Sycamore *Acer pseudoplatanus* and Dog-rose *Rosa canina*. The ground flora mostly comprised tall ruderal species, as detailed below. Other

species included Ivy *Hedera helix*, Cleavers *Galium aparine*, Ground-ivy *Glechoma hederacea* and Cow Parsley *Anthriscus sylvestris*.

- 3.17. Hedgerow **H2** ran along the southern boundary of the Site and separated the Site from the neighbouring farm track. The hedgerow was unmanaged and reached up to 6m in height, with a gap of approximately 3m. A wooden fence ran through its centre. Species present included Hawthorn, Ash *Fraxinus excelsior*, Sycamore, Blackthorn, Willow *Salix* sp., Rose, Horse Chestnut *Aesculus hippocastanum* and patches of dense Bramble.
- 3.18. A ditch ran along the southern extent of the hedgerow, which was dry at the time of survey and beyond the Site boundary. The ditch was approximately 1m deep, with gently sloping banks and was largely full of leaf litter.
- 3.19. Hedgerow **H3** was located along the southern boundary of the Site and was unmanaged and tall, reaching over 6m in height. The species composition was similar to that of H2, with additional species noted including Elder and Bittersweet *Solanum dulcamara*.
- 3.20. None of the hedgerows comprised a sufficient diversity of woody species to be considered ecologically 'important' under the Hedgerow Regulations 1997. They would however qualify as Priority Habitat under Section 41 of the Natural Environment and Rural Communities (NERC) Act 2006.
- 3.21. This habitat was of low ecological value.

Improved grassland

- 3.22. Several areas of improved grassland were present within the Site, including the grassland to the west of the buildings and the horse-grazed field in the north of the Site. Overall the sward height in these areas was low, reaching up to 10cm.
- 3.23. Species present included Perennial Ryegrass *Lolium perenne*, Meadow Buttercup *Ranunculus acris*, White Clover *Trifolium repens*, Dandelion *Taraxacum officinale* agg., Knotgrass *Polygonum aviculare*, Greater Plantain *Plantago major*, Docks *Rumex* spp. and White Dead-nettle *Lamium album* were present around the periphery and a group of Blackthorn, Hawthorn and Ash saplings were present within the north of the horse-grazed field.
- 3.24. Overall this habitat was of low ecological value.

Ponds (off-site)

- 3.25. Two ponds were located within 250m of the Site. Pond **P1** was approximately 130m to the south-west of the Site and Pond **P2** approximately 200m to the south-west, both located within the grounds of Lodge Farm. Both ponds were used for fishing, with several people fishing at the time of survey.
- 3.26. Both ponds were assessed for their potential to support Great Crested Newt using Habitat Suitability Index criteria, as shown in Table 3 below.

Table 3: Habitat Suitability Index assessment of ponds P1 and P2

Pond No.	Suitability Indices										HSI Score	Pond Suitability for GCN	Predicted Presence of GCN
	SI1	SI2	SI3	SI4	SI5	SI6	SI7	SI8	SI9	SI10			
P1	1	0.8	0.9	0.67	1	0.67	0.01	0.95	0.33	0.7	0.484	poor	0.03
P2	1	0.9	0.9	0.67	1	0.67	0.01	0.95	0.33	0.7	0.490	poor	0.03

- 3.27. Both ponds were identified as having 'poor' suitability to support Great Crested Newt, with both ponds being in active use as fishing lakes. No further assessment is required in respect of the species.

Semi-improved grassland

- 3.28. Much of the Site comprised semi-improved grassland. The grassland was unmanaged, with a taller sward height reaching up to 1m in height. The grassland had a strong ruderal element in places, particularly around the field margins and also patches were scattered throughout.
- 3.29. Species present included Perennial Ryegrass, Cock's-foot *Dactylis glomerata*, Couch Grass *Elytrigia repens*, Yorkshire Fog, Timothy *Phleum pratense*, False Oat-grass *Arrhenatherum elatius*, *Agrostis* sp., Meadowgrasses *Poa* spp., White Clover, Dandelion, Red Clover *Trifolium pratense*, Knotgrass, Black Medick *Medicago lupulina*, Ribwort Plantain, Greater Plantain *Plantago major*, Cut-leaved Crane's-bill *Geranium dissectum*, Oxeye Daisy *Leucanthemum vulgare*, White Campion *Silene latifolia*, Meadow Buttercup, Wood Avens *Geum urbanum*, Field Bindweed *Convolvulus arvensis*, Creeping Thistle, Spear Thistle, Poppy *Papaver* sp., Red Dead-nettle *Lamium purpureum*, Common Nettle, White Dead-nettle *Lamium album*, Rosebay Willowherb *Chamerion angustifolium*, Burdock *Arctium* sp., Cleavers, Cow Parsley and Hogweed *Heracleum sphondylium*.
- 3.30. Within this area of semi-improved a horse-exercise area was also present, comprising largely of bare earth.
- 3.31. Overall this habitat was of low ecological value, however did offer some suitable habitat for reptiles.

Tall ruderal and recolonising vegetation

- 3.32. An area of bare ground was present in the north-west corner and north of the Site, which was used for vehicle, rubble and rubbish storage. Recolonising vegetation and tall ruderal species were present within these areas, along with several brush piles, corrugated metal sheeting and wood.
- 3.33. Species present included False Oat-grass, Perennial Ryegrass, Cock's-foot, *Agrostis* sp., White Clover, Herb Robert, Ribwort Plantain, Yarrow *Achillea millefolium*, Red Dead-nettle, Dandelion, Knotgrass, Black meddik, Greater Plantain, Ground-Ivy, Field Bindweed, White Dead-nettle, Smooth Sow-Thistle *Sonchus oleraceus*, Rosebay Willowherb, Ivy, Curled Dock *Rumex crispus*, Creeping Thistle, Common Nettle, Blackthorn, Bramble, Spurge *Euphorbia* sp., and Mugwort *Artemisia vulgaris*.
- 3.34. Overall this habitat was of low ecological value however it did offer some suitable habitat for reptiles.

Trees

- 3.35. Several trees were present within the Site and along the Site boundary. Species present included Hawthorn, Ash, Willow and Sycamore.
- 3.36. All trees were assessed for their suitability to support roosting bats, with several trees offering negligible potential. A single mature Sycamore (T1) was identified as having low to moderate potential to support bats, exhibiting rot holes, peeling bark and a cavity within the trunk.

Evidence of Protected Species and Other Faunal Interest

- 3.37. Bird activity was relatively high at the Site at the time of survey. Species present included Wood Pigeon *Columba palumbus*, Jackdaw *Coloeus monedula*, Blackbird *Turdus merula*, Wren *Troglodytes troglodytes*, Goldfinch *Carduelis carduelis*, Chaffinch *Fringilla coelebs*, Robin *Erithacus rubecula*, Blue Tit *Cyanistes caeruleus*, House Sparrow *Passer domesticus*, House Martin *Delichon urbicum* and Swallow *Hirundo rustica*.

4. EVALUATION

Background

4.1. The Site is to be redeveloped to provide a new residential development of 32 units with associated open space.

Designated Sites

4.2. There is one statutory site designated for its nature conservation interest within 2km of the Site, the Ardley Cutting and Quarry SSSI located approximately 0.9km to the south-west. The closest non-statutory designation of wildlife conservation interest is the Upper Heyford Airfield Local Wildlife Site, located 1.7km to the south of the Site.

4.3. Impact Risk Zones (IRZs) are a tool developed by Natural England to provide an initial assessment of the potential risks to SSSIs. The Site falls within one of the IRZs for the Ardley Cutting and Quarry SSSI and also the Ardley Trackways SSSI; however the IRZs apply to residential developments of 100 units or more and therefore given the nature of the proposed development further advice need not be sought.

4.4. Given the distance between the Site and the designations, it is anticipated that there will be no negative impact on these or any other protected site.

Habitats

4.5. The majority of the habitat within the Site comprised buildings, hard-standing, improved and semi-improved grassland, hedgerows, trees and recolonising vegetation. Overall the habitats were largely of negligible to low ecological value.

4.6. The longer grasses and areas of rubble and wood piles did offer potential to support reptiles. A habitat manipulation exercise is recommended in respect of reptiles in order to safeguard reptiles during the clearance of the grassland, as detailed below.

4.7. The survey did not identify any habitats within the study area considered to be of local, regional or national ecological value.

Species

4.8. The desk study located a variety of protected species records for the local area (**see plan and details at Appendix 1**).

4.9. The Site has been assessed on the suitability of the habitats to support such protected species and the likelihood of those species being present.

Table 4: Summary of protected species associated with the Site

Species	Recorded in desk study	Evidence on site	Potential onsite to support presence	Impact on species	Relevant legislation
Amphibians	Yes – records for Great Crested Newt, Common Frog, Palmate Newt, Smooth Newt and Common Toad within the vicinity of the Site.	None	Yes – there are no ponds or waterbodies within the Site however 2 ponds are located to the south-west.	Low – there is suitable terrestrial habitat on the Site, however the 2 nearby ponds offer ‘poor’ potential to support Great Crested Newt.	WCA 5 S9(5), CRow, NERC, CHSR, UK BAP
Badgers	Yes – several records for Badger within the vicinity of the Site.	None	Yes – there was suitable foraging habitat within the Site and wider study	Low/Negligible – there is suitable habitat within the wider study area,	PBA

Species	Recorded in desk study	Evidence on site	Potential onsite to support presence	Impact on species	Relevant legislation
			area.	however no evidence of Badger activity was found.	
Bats	Yes – records for Common Pipistrelle and Brown Long-eared Bat.	None	Yes – trees within the Site offer low to negligible potential to support roosting bats.	Low – the buildings offer no potential to support roosting bats. Where practicable, the trees should be retained under the proposals.	WCA 5 S9(5), CRoW, NERC, CHSR, UK BAP
Birds	Yes – a number of birds have been recorded within the vicinity of the Site.	Yes – an assemblage of common bird species.	Yes – there is potential for birds to be utilising the buildings and vegetation for nesting.	Low/Moderate – suitable habitat for nesting, in the form of the buildings, is to be lost. Clearance of habitat should be carried out outside of the bird nesting season.	CHSR, CRoW, WCA 1i, NERC, UK BAP
Reptiles	No records for reptiles.	None	Yes – there is potential for reptiles to be present within the tall ruderal vegetation and taller grasses.	Low/Moderate – A habitat manipulation exercise is recommended, detailed below.	NERC S.41, UK BAP, WCA 5 S9(5) (killing/injuring)
Otter	No records.	None	No – there is no running water on site.	Negligible – as there is no potential on Site.	NERC S.41, UK BAP, WCA 5 S9(5), CHSR
Water vole	No records.	None	No – there is no running water on site.	Negligible – as there is no potential on Site.	NERC S.41, UK BAP, WCA 5 S9(5)
Other faunal interest (eg fox, hare)	Yes – Hedgehog and Polecat have been recorded within the vicinity of the Site.	None	Yes – there is potential small mammals.	Low/Negligible – suitable habitat will be incorporated into the new development.	UK BAP

5. RECOMMENDATIONS

Designed Sites

- 5.1. Due to the distance between the proposed development and designated nature conservation sites in the local area it is considered highly unlikely that there will be any adverse effects on these sites as a result of the works. Therefore no recommendations in relation to designated sites are made.

Habitat and Species Recommendations and Enhancements

- 5.2. The current proposed development will have a minor adverse impact on the habitats within the Site, with the loss of improved and semi-improved grassland, buildings, hard-standing and recolonising vegetation and scrub. The boundary hedgerows and trees will be retained and bolstered under the proposals.
- 5.3. To provide an overall gain in biodiversity at the Site, it is recommended that the following enhancements are made:
- It is recommended that tree T1 be retained. Should this not be possible, further inspection of this tree is recommended in respect of bats.
 - The landscaping scheme should incorporate native species of local provenance and species of acknowledged benefit to wildlife where practicable, providing shelter and foraging resources for a range of species, such as small mammals, birds and invertebrates.
 - Bat and bird boxes (a minimum of 15 of each) should be provided within the new development, the detailed specifications of which will be provided by a suitably qualified ecologist.

Further Surveys

- 5.4. Reptiles. The Site comprised some areas of suitable reptile habitat, namely the tall ruderal vegetation, longer grasses, earth mounds and wood chip piles. Accordingly, precautionary measures should be taken to prevent the potential risk of harm to any reptiles should it be necessary for this habitat to be removed, as summarised below:
- Areas of any longer grassland present at the time of works will be strimmed in a 2-stage process. Following a finger-tip search by a suitably qualified ecologist to ensure that no reptiles are present, the first strimming phase will cut the vegetation to ~10cm above ground level carefully encouraging any reptiles passing through the vegetation to move into suitable off-site habitat away from the construction zone.
 - The second strimming phase will be undertaken no less than 1 hour after completion of the first and will follow a second finger-tip search of the area by the ecologist before being cut to ground level.
 - Rubble/earth/wood chip piles should be removed in a sensitive manner after being checked by an ecologist to ensure no reptiles are present.
- 5.5. Nesting birds. Nesting bird surveys will be required if vegetation cannot be cleared outside of the bird nesting season (March-September inclusive). A suitably qualified and experienced ecologist will check the buildings and vegetation up to 48 hours in advance of removal. If nesting birds are recorded they will be protected from disturbance by the establishment of a suitable buffer zone which will remain in place until all nesting activity has been completed.

6. REFERENCES AND BIBLIOGRAPHY

Bat Conservation Trust (2012) Bat Surveys: Good Practice Guidelines 2nd Edition

Chartered Institute of Ecology and Environmental Management, CIEEM (2006) Guidelines for Ecological Impact Assessment in the United Kingdom

CIEEM (2012) Guidelines for Preliminary Ecological Appraisal (GPEA)

Natural England (2004) Bat Mitigation Guidelines

Appendix 1: Desk Study Results

Ref: 15-1427



Biodiversity Report

Site: Land at Fewcott Road, Fritwell

TVERC Ref: O172.15

Prepared for: Lockhart Garratt Ltd

Date: 18th September 2015

By Thames Valley Environmental Records Centre



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TABLE OF CONTENTS

The following are included in this report:

GENERAL INFORMATION:

- Terms & Conditions
- Species data statements

PROTECTED & NOTABLE SPECIES INFORMATION:

- Table of legally protected and notable species records (2 km search area)
- Species status key
- Data origin key

DESIGNATED WILDLIFE SITE INFORMATION:

- A map of designated wildlife sites (2 km search area)
- Descriptions/citations for designated wildlife sites
- Designated wildlife sites guidance

TERMS AND CONDITIONS

The copyright for this document and the information provided is retained by Thames Valley Environmental Records Centre. The copyright for some of the species data will be held by a recording group or individual recorder. Where this is the case, and the group or individual providing the data is known, the data origin will be given in the species table.

TVERC must be acknowledged if any part of this report or data derived from it is used in a report. The whole document may be used as an appendix within your report.

The data in this report can only be used for the project for which it was requested. It cannot be passed on to third parties without permission of TVERC (this excludes reports presented to clients and Local Authorities).

The data should be considered valid for a maximum 12 months from the date on the cover of this report. If the data is to be used after that time an update should be requested. The data must not be added to any permanent database system.

The absence of any species or habitat data for any site, area or location does not mean that any species or habitat is not present.

MAPS

To reproduce the Ordnance Survey mapping you must hold a relevant licence for the use of Ordnance Survey mapping or it can be copied at a printers or copyshop that holds a licence to carry out search work (see the Ordnance Survey website).

DATA STATEMENTS

STATEMENT ON BIRD RECORDS IN OXFORDSHIRE (DATA MARKED AS "OOS" IN THE DATA ORIGIN COLUMN)

The majority of bird records in Oxfordshire, except those in the north of the county, have been provided by the Oxford Ornithological Society. Such records have a value of OOS in the data origin column . Please note that:

- a. Not all species are subject to the same degree of recording; the absence of records of a species in a given geographical area does not necessarily indicate absence of that species.
- b. Not all parts of the county are subject to the same degree of recording; the absence of records for a given area does not necessarily indicate the absence of bird species.
- c. Records of species regarded as sensitive have been provided with reduced information about location. Any requests for more precise information about the location of such "confidential" sites should be addressed directly to OOS (www.oos.org.uk) You can use the following email contacts chairman@oos.org.uk (the chairman) and ian@recorder.fsnet.co.uk (the county bird recorder).

STATEMENT ON WILDLIFE TRUST WATER VOLE DATA

Since 2008 data has been collected as positive or negative sections of watercourses. Positive sections crossing into search areas are included within the data. These are shown with the central grid reference for the stretch of watercourse. This may fall outside the search area but the stretch will be at least partly within the search area. The location information shows the beginning and end points of the stretch of watercourse.

USE OF NBN GATEWAY DATA

Commercial organisations and members of the public may refer to the National Biodiversity Network (NBN) Gateway for wildlife records and habitat and designated site information for their own private use.

The NBN Gateway's Terms and Conditions state "*You may not republish wholesale the material, data and/or information made available to you, or exploit it for commercial or academic research purposes without first obtaining written permission from the relevant data provider*". This means that environmental consultants cannot use NBN data in ecology reports for planning applications unless they have obtained written permission from all the data providers. If NBN Gateway data are also provided for this project please make sure that the NBN Gateway's terms and conditions are followed precisely.

The National Planning Policy Framework states that "*planning policies and decisions should be based on up-to date information about the natural environment and other characteristics of*

the area'. The NBN Gateway does not hold the most up-to-date, comprehensive or highest resolution information on protected and notable species, local sites or habitats in Berkshire and Oxfordshire.

TVERC have advised planning authorities in Berkshire and Oxfordshire that ecology reports using only NBN data should not usually be validated and the NBN has requested that suspected breaches of NBN terms and conditions are reported to the NBN Data Access Officer, who will take appropriate action. Further detail is available on our website:

<http://www.tverc.org/cms/content/ecological-survey-reports-planning-applications>.

STATEMENT ON GRID REFERENCES

The following types of grid references are provided:

- Six figure grid references. Many of these will be an assigned relatively central grid reference for a site though with small sites the assigned grid reference for a site could be close to the edge. The record may have come from anywhere within the site. Where additional location information is provided the reference may be more accurate or central to a subsite within the larger site. Where the location is not site based, the grid reference should be within 100 metres of the location.
- Four figure grid references. Generally these are 1km square records often with some location information to give an idea of which part of the 1km square the record was found. Sometime this information can be quite accurate. Where a large site is referred to the location should be in that part of the 1km square that is within the site. In some case these may be tetrad records with grid reference referring to a 2km x 2km square. This includes some confidential records from Oxford Ornithological Society. Other tetrad data is rarely included.
- Eight and ten figure grid references: These are generally accurately worked out to the location where the species was found. However for small and narrow sites eight figure grid references may be used as a central grid reference for a site.
- TVERC intends to start tagging data to qualify these grid references but at present only a limited amount of qualification is provided. 1km square records are tagged as 1km record and 2km square records are tagged as 2km record.

Common Name	Scientific name	Abundance and/or Sex/Stage	Date	Grid Ref	Grid Ref. Qualifier	Location	Further Location Information	Type of Record	Data Origin	European Directives	UK Legislation	Priority NERC S.41	Other Designations
Wood Barley	<i>Hordelymus europaeus</i>		Pre 1985	SP538273		Ardley Cutting and Quarry SSSI		field record	BBOWT				Nat. Scarce
Cat-mint	<i>Nepeta cataria</i>		Pre 1985	SP538273		Ardley Cutting and Quarry SSSI		field record	BBOWT				GBRed-post2001-VU
Basil Thyme	<i>Clinopodium acinos</i>		22/06/1983	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Basil Thyme	<i>Clinopodium acinos</i>		19/06/1985	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Basil Thyme	<i>Clinopodium acinos</i>		23/07/1985	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Basil Thyme	<i>Clinopodium acinos</i>		12/07/1988	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Basil Thyme	<i>Clinopodium acinos</i>		22/06/1983	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Basil Thyme	<i>Clinopodium acinos</i>		23/07/1985	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Basil Thyme	<i>Clinopodium acinos</i>		12/07/1988	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Basil Thyme	<i>Clinopodium acinos</i>		03/07/2000	SP525269		Upper Heyford Airfield			OLWS			NERC S.41	GBRed-post2001-VU
Basil Thyme	<i>Clinopodium acinos</i>		22/06/1983	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Basil Thyme	<i>Clinopodium acinos</i>		23/07/1985	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Basil Thyme	<i>Clinopodium acinos</i>		12/07/1988	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Basil Thyme	<i>Clinopodium acinos</i>		Pre 1985	SP538273		Ardley Cutting and Quarry SSSI		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Round-leaved Mint	<i>Mentha suaveolens</i>		Pre 1985	SP538273		Ardley Cutting and Quarry SSSI		field record	BBOWT				GBRed-post2001-DD, Nat. Scarce
Tall Aloe-moss	<i>Aloina ambigua</i>		01/11/1984 - 30/03/1985	SP538273		Ardley Quarry Nature Reserve		field record	LN				Nat. Scarce
Rigid Aloe-moss	<i>Aloina rigida</i>		01/11/1984 - 30/03/1985	SP538273		Ardley Quarry Nature Reserve		field record	LN				Nat. Scarce
Green-winged Orchid	<i>Orchis morio</i>		19/06/1985	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC				GBRed-post2001-NT
Green-winged Orchid	<i>Orchis morio</i>		19/06/1985	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC				GBRed-post2001-NT
Green-winged Orchid	<i>Orchis morio</i>		19/06/1985	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC				GBRed-post2001-NT
Bluebell	<i>Hyacinthoides non-scripta</i>		13/04/1988	SP526274		Kennel Copse		field record	BBOWT		WACA-Sch8		
Bluebell	<i>Hyacinthoides non-scripta</i>		12/06/2001	SP526274		Kennel Copse	east of road		OLWS		WACA-Sch8		
Bluebell	<i>Hyacinthoides non-scripta</i>		12/06/2001	SP526274		Kennel Copse	west of road		OLWS		WACA-Sch8		
Bluebell	<i>Hyacinthoides non-scripta</i>	Occasional (DAFOR)	03/05/2009	SP53762724		Ardley Quarry		field record	BBOWT		WACA-Sch8		
Bluebell	<i>Hyacinthoides non-scripta</i>		Pre 1985	SP538273		Ardley Cutting and Quarry SSSI		field record	BBOWT		WACA-Sch8		
Sainfoin	<i>Onobrychis viciifolia</i>		22/06/1983	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC				GBRed-post2001-NT
Sainfoin	<i>Onobrychis viciifolia</i>		22/06/1983	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC				GBRed-post2001-NT
Sainfoin	<i>Onobrychis viciifolia</i>		22/06/1983	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC				GBRed-post2001-NT
Sainfoin	<i>Onobrychis viciifolia</i>		29/05/2007	SP53762724		Ardley Quarry			BBOWT				GBRed-post2001-NT
Sainfoin	<i>Onobrychis viciifolia</i>		Pre 1985	SP538273		Ardley Cutting and Quarry SSSI		field record	BBOWT				GBRed-post2001-NT
Dwarf Spurge	<i>Euphorbia exigua</i>		19/06/1985	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC				GBRed-post2001-NT
Dwarf Spurge	<i>Euphorbia exigua</i>		19/06/1985	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC				GBRed-post2001-NT
Dwarf Spurge	<i>Euphorbia exigua</i>		03/07/2000	SP525269		Upper Heyford Airfield			OLWS				GBRed-post2001-NT
Dwarf Spurge	<i>Euphorbia exigua</i>		19/06/1985	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC				GBRed-post2001-NT
Dwarf Spurge	<i>Euphorbia exigua</i>		Pre 1985	SP538273		Ardley Cutting and Quarry SSSI		field record	BBOWT				GBRed-post2001-NT
Allseed	<i>Radiola linoides</i>		Pre 1985	SP538273		Ardley Cutting and Quarry SSSI		field record	BBOWT				GBRed-post2001-NT
Pale St John's-wort	<i>Hypericum montanum</i>		24/06/2007	SP53762724		Ardley Quarry			BBOWT				GBRed-post2001-NT
Stinking Chamomile	<i>Anthemis cotula</i>		Pre 1985	SP538273		Ardley Cutting and Quarry SSSI		field record	BBOWT				GBRed-post2001-VU
Tubular Water-dropwort	<i>Oenanthe fistulosa</i>		27/08/2007	SP53762724		Ardley Quarry			BBOWT			NERC S.41	GBRed-post2001-VU
insect - beetle	<i>Bembidion (Semicampa) gilvipes</i>		01/03/2000	SP538273		Ardley Quarry Nature Reserve		Collection from 'grass-tussocks'	OBRC				Notable-B
insect - beetle	<i>Bembidion (Semicampa) gilvipes</i>		01/03/2000	SP538273		Ardley Quarry Nature Reserve		field record	OBRC				Notable-B
insect - beetle	<i>Bembidion (Semicampa) gilvipes</i>		01/03/2000	SP538274		Ardley Cutting and Quarry SSSI		field record	OBRC				Notable-B
insect - beetle	<i>Bembidion (Diplocampa) clarkii</i>		28/05/1987	SP538273		Ardley Quarry Nature Reserve		field record	LN				Notable-B
insect - beetle	<i>Bembidion (Diplocampa) clarkii</i>		03/12/1988	SP538273		Ardley Quarry Nature Reserve		field record	LN				Notable-B
insect - beetle	<i>Bembidion (Diplocampa) clarkii</i>		01/03/2000	SP538273		Ardley Quarry Nature Reserve		field record	OBRC				Notable-B
insect - beetle	<i>Bembidion (Diplocampa) clarkii</i>		01/03/2000	SP538273		Ardley Quarry Nature Reserve		Collection from 'grass-tussocks'	OBRC				Notable-B
insect - beetle	<i>Bembidion (Diplocampa) clarkii</i>		01/03/2000	SP538274		Ardley Cutting and Quarry SSSI		field record	OBRC				Notable-B
insect - beetle	<i>Scarodytes halensis</i>		May 1985	SP538273		Ardley Quarry Nature Reserve		field record	LN				Nat. Scarce
insect - beetle	<i>Gyrinus natator</i>		28/04/1985	SP538273		Ardley Quarry Nature Reserve		field record	LN				GBRed-post2001-RE
insect - beetle	<i>Gyrinus natator</i>		May 1985	SP538273		Ardley Quarry Nature Reserve		field record	LN				GBRed-post2001-RE
insect - beetle	<i>Pterostichus (Pseudomaseus) anthracinus</i>		12/03/1993	SP538273		Ardley Quarry Nature Reserve		field record	LN				Notable-B
insect - beetle	<i>Pterostichus (Pseudomaseus) anthracinus</i>	2 Males	13/03/1993	SP538273		Ardley Quarry Nature Reserve		field record	LN				Notable-B
insect - beetle	<i>Ophonus (Metophonus) schaubergerianus</i>		28/05/1987	SP538273		Ardley Quarry Nature Reserve		field record	LN				Notable-B
insect - beetle	<i>Anthracus consputus</i>		20/06/1987	SP538273		Ardley Quarry Nature Reserve		field record	LN				Notable-B

Common Name	Scientific name	Abundance and/or Sex/Stage	Date	Grid Ref	Grid Ref. Qualifier	Location	Further Location Information	Type of Record	Data Origin	European Directives	UK Legislation	Priority NERC S.41	Other Designations
insect - beetle	Anthraxus consputus		28/05/1987	SP538273		Ardley Quarry Nature Reserve		field record	LN				Notable-B
insect - beetle	Lebia (Lamprias) chlorocephala		01/03/2000	SP538273		Ardley Quarry Nature Reserve		Collection from 'grass-tussocks'	OBRC				Notable-B
insect - beetle	Lebia (Lamprias) chlorocephala		01/03/2000	SP538273		Ardley Quarry Nature Reserve		field record	OBRC				Notable-B
insect - beetle	Helophorus (Helophorus) granularis		29/03/1991	sp539274		Ardley Quarry	Main pond	field record	BBOWT				Nat. Scarce
insect - beetle	Helophorus (Helophorus) nanus		29/03/1991	sp539274		Ardley Quarry	Main pond	field record	BBOWT				Notable-B, Nat. Scarce
insect - beetle	Cryptocephalus aureolus		30/06/1986	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC				Notable-B
insect - beetle	Cryptocephalus frontalis		30/06/1986	SP523283		Banbury to Bicester Railway	RAILWAY CUTTINGS 5228	field record	OBRC				Notable-A
Flax Flea Beetle	Longitarsus parvulus		01/03/2000	SP538273		Ardley Quarry Nature Reserve		Collection from 'grass-tussocks'	OBRC				Notable-A
insect - beetle	Psylliodes luteola		30/06/1986	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC				GBRed-Pre94-Insu
insect - beetle	Psylliodes luteola		29/08/1986	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC				GBRed-Pre94-Insu
Dingy Skipper	Erynnis tages		03/06/1985	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages		22/06/1983	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages		03/06/1985	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages		19/06/1985	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages	1 Adult	16/05/1992	SP5327	1 km record	Ardley Quarry		field record	BC			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages		22/06/1983	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages		03/06/1985	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages	1	20/05/2004	SP53562725		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages	1	27/05/2010	SP53562725		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages	1	31/05/2011	SP5356927253		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages	1	20/05/2004	SP536271		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages	1	20/05/2004	SP53632716		Ardley Cutting and Quarry SSSI			BC			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages	2	09/06/2004	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages	2	09/06/2004	SP537273		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages	2	09/06/2004	SP537273		Ardley Quarry			BC			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages	1	10/06/2010	SP53762724		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages	1	25/06/2010	SP53812727		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages	1	13/06/2011	SP5381727273		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages		May 1985	SP538273		Ardley Quarry Nature Reserve		field record	LN			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages		1985	SP538273		Ardley Quarry Nature Reserve		field record	OBRC			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages		1985	SP538273		Ardley Quarry Nature Reserve		field record	LN			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages	2 to 9	15/05/1992	SP538274		Ardley Quarry		field record	BC			NERC S.41	GBRed-post2001-VU
Dingy Skipper	Erynnis tages	2 to 9	16/06/1996	SP538275		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1 Adult	16/05/1992	SP5327	1 km record	Ardley Quarry		field record	BC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	17/05/1998	SP5327	1 km record	Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae		17/05/1998	SP5327	1 km record	Ardley Wood		field record	BC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	22/06/2001	SP5327	1 km record	Ardley W		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	20/05/2004	SP5327	1 km record	Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	3	18/05/2005	SP5327	1 km record	Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	5	29/05/2005	SP5327	1 km record	Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	9	11/05/2006	SP5327	1 km record	Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae		03/06/1985	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae		19/06/1985	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	15/05/2003	SP53562725		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	20/05/2004	SP53562725		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	12/05/2005	SP53562725		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	29/05/2007	SP53562725		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	2	26/05/2007	SP53562725		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	15/05/2003	SP536271		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	20/05/2004	SP536271		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1 Adult	28/04/1991	SP536274		Ardley Quarry		field record	BC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	15/05/2003	SP53632716		Ardley Cutting and Quarry SSSI			BC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	20/05/2004	SP53632716		Ardley Cutting and Quarry SSSI			BC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	12/05/2005	SP53632716		Ardley Cutting and Quarry SSSI			BC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	2	26/05/2007	SP53632716		Ardley Cutting and Quarry SSSI			BC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	11/06/2005	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	15/05/2005	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	05/06/2006	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	03/05/2007	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU

Common Name	Scientific name	Abundance and/or Sex/Stage	Date	Grid Ref	Grid Ref. Qualifier	Location	Further Location Information	Type of Record	Data Origin	European Directives	UK Legislation	Priority NERC S.41	Other Designations
Grizzled Skipper	Pyrgus malvae	1	18/05/2008	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	01/05/2009	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	2	08/05/2011	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	15/05/2005	SP537273		Ardley Quarry			BC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	11/06/2005	SP537273		Ardley Quarry			BC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	05/06/2006	SP537273		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	05/06/2006	SP537273		Ardley Quarry			BC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	03/05/2007	SP537273		Ardley Quarry			BC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	18/05/2008	SP537273		Ardley Quarry			BC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	6	25/04/2002	SP53762724		Ardley Quarry			BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	2 Adults	22/05/2012	SP5378227087		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	11/06/2005	SP53782708		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	21/05/2009	SP53782708		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	11/06/2007	SP53812727		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	20/05/2010	SP53812727		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	11/06/2005	SP538270		Ardley Cutting and Quarry SSSI			BC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	25/04/2002	SP538271		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	1	11/06/2007	SP538272		Ardley Quarry			BC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae		May 1985	SP538273		Ardley Quarry Nature Reserve		field record	LN			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae		1985	SP538273		Ardley Quarry Nature Reserve		field record	OBRC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae		1985	SP538273		Ardley Quarry Nature Reserve		field record	LN			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae		08/07/1991	SP538273		Ardley Quarry Nature Reserve		field record	OBRC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	2 to 9	15/05/1992	SP538274		Ardley Quarry		field record	BC			NERC S.41	GBRed-post2001-VU
Grizzled Skipper	Pyrgus malvae	2 to 9	16/06/1996	SP538275				field record	BBOWT			NERC S.41	GBRed-post2001-VU
Small Blue	Cupido minimus	4	28/06/1998	SP5129	1 km record			field record	BBOWT		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		28/06/1998	SP5129	1 km record	Portway Farm		field record	BC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		22/06/1983	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		19/06/1985	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		30/06/1986	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus	1 Adult	22/06/2001	SP5189529275		Portway Farm		field record	BC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus	1 Adult	09/06/2001	SP5228	1 km record	Fritwell, S		field record	BC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus	4 Adults	22/06/2001	SP5228	1 km record	Fritwell, S		field record	BC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus	5 Adults	15/06/2002	SP5228	1 km record	Fritwell, S		field record	BC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus	25 Adults	13/06/2003	SP5228	1 km record	Fritwell, S		field record	BC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		22/06/1983	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		26/07/1984	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		19/06/1985	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		29/08/1986	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		30/06/1986	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus	3	04/07/1998	SP524282				field record	BBOWT		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		04/07/1998	SP524282		Ardley Cutting and Quarry SSSI	Raghouse Lane, Fritwell Railway Cuttings	field record	BC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		22/06/1983	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		26/07/1984	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		30/06/1986	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		12/07/1988	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus	1	12/06/2003	SP53712739		Ardley Quarry		field record	BBOWT		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus	1	12/06/2003	SP537273		Ardley Quarry		field record	BBOWT		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus	1	12/06/2003	SP537273		Ardley Quarry			BC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		1985	SP538273		Ardley Quarry Nature Reserve		field record	OBRC		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Small Blue	Cupido minimus		1985	SP538273		Ardley Quarry Nature Reserve		field record	LN		WACA-Sch5_sect9.5a & b	NERC S.41	GBRed-post2001-NT
Wall	Lasiommata megera		22/06/1983	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-NT
Wall	Lasiommata megera		03/06/1985	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-NT
Wall	Lasiommata megera		22/06/1983	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-NT
Wall	Lasiommata megera		03/06/1985	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-NT
Wall	Lasiommata megera		19/06/1985	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-NT
Wall	Lasiommata megera		29/08/1986	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-NT
Wall	Lasiommata megera		22/06/1983	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-NT
Wall	Lasiommata megera		03/06/1985	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-post2001-NT
Wall	Lasiommata megera	1	03/06/2003	SP537273		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Wall	Lasiommata megera		June 1985	SP538273		Ardley Quarry Nature Reserve		field record	LN			NERC S.41	GBRed-post2001-NT
Wall	Lasiommata megera		1985	SP538273		Ardley Quarry Nature Reserve		field record	OBRC			NERC S.41	GBRed-post2001-NT
Wall	Lasiommata megera		1985	SP538273		Ardley Quarry Nature Reserve		field record	LN			NERC S.41	GBRed-post2001-NT

Common Name	Scientific name	Abundance and/or Sex/Stage	Date	Grid Ref	Grid Ref. Qualifier	Location	Further Location Information	Type of Record	Data Origin	European Directives	UK Legislation	Priority NERC S.41	Other Designations
Small Heath	Coenonympha pamphilus	5	22/08/2003	SP53632716		Ardley Cutting and Quarry SSSI			BC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	4	22/08/2004	SP53632716		Ardley Cutting and Quarry SSSI			BC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	4	21/06/2005	SP53632716		Ardley Cutting and Quarry SSSI			BC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	11/07/2006	SP53632716		Ardley Cutting and Quarry SSSI			BC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	26/09/2006	SP53632716		Ardley Cutting and Quarry SSSI			BC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	05/06/2006	SP53632716		Ardley Cutting and Quarry SSSI			BC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1 Adult	29/07/2012	SP5371227397		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	15/08/2003	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	08/08/2004	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	4	22/08/2004	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	4	02/06/2004	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	13/06/2004	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	27/06/2004	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	11/06/2005	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	28/06/2005	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	04/09/2005	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	29/08/2006	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	23/08/2009	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	05/09/2010	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	08/05/2011	SP53712739		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	15/08/2003	SP537273		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	15/08/2003	SP537273		Ardley Quarry			BC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	27/06/2004	SP537273		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	4	22/08/2004	SP537273		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	4	02/06/2004	SP537273		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	4	02/06/2004	SP537273		Ardley Quarry			BC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	4	22/08/2004	SP537273		Ardley Quarry			BC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	08/08/2004	SP537273		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	13/06/2004	SP537273		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	28/06/2005	SP537273		Ardley Quarry			BC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	29/08/2006	SP537273		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	29/08/2006	SP537273		Ardley Quarry			BC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	10/06/2010	SP53762724		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	03/07/2011	SP5378227087		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	31/07/2004	SP53782708		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	08/08/2004	SP53782708		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	22/08/2004	SP53782708		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	08/08/2004	SP53812727		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	02/06/2004	SP53812727		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	09/06/2004	SP53812727		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	27/06/2004	SP53812727		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	31/07/2004	SP538270		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	31/07/2004	SP538270		Ardley Cutting and Quarry SSSI			BC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	08/08/2004	SP538270		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	22/08/2004	SP538270		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	08/08/2004	SP538272		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	02/06/2004	SP538272		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	2	08/08/2004	SP538272		Ardley Quarry			BC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	09/06/2004	SP538272		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	1	27/06/2004	SP538272		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus		June 1985	SP538273		Ardley Quarry Nature Reserve		field record	LN			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus		1985	SP538273		Ardley Quarry Nature Reserve		field record	OBRC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus		1985	SP538273		Ardley Quarry Nature Reserve		field record	LN			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus		07/07/1986	SP538273		Ardley Quarry Nature Reserve		field record	OBRC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus		08/07/1991	SP538273		Ardley Quarry Nature Reserve		field record	OBRC			NERC S.41	GBRed-post2001-NT
Small Heath	Coenonympha pamphilus	5	16/08/2003	SP538273		Ardley Quarry		field record	BBOWT			NERC S.41	GBRed-post2001-NT
Lackey	Malacosoma neustria	Larva	28/04/1985	SP538273		Ardley Quarry Nature Reserve		field record	LN			NERC S.41	
Lackey	Malacosoma neustria		May 1985	SP538273		Ardley Quarry Nature Reserve		field record	LN			NERC S.41	
Chalk Carpet	Scotopteryx bipunctaria subsp. cretata		23/07/1985	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Shaded Broad-bar	Scotopteryx chenopodiata		26/07/1984	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Shaded Broad-bar	Scotopteryx chenopodiata		23/07/1985	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Shaded Broad-bar	Scotopteryx chenopodiata		26/07/1984	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	

Common Name	Scientific name	Abundance and/or Sex/Stage	Date	Grid Ref	Grid Ref. Qualifier	Location	Further Location Information	Type of Record	Data Origin	European Directives	UK Legislation	Priority NERC S.41	Other Designations
Shaded Broad-bar	Scotopteryx chenopodiata		23/07/1985	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Shaded Broad-bar	Scotopteryx chenopodiata		26/07/1984	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Shaded Broad-bar	Scotopteryx chenopodiata		23/07/1985	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Shaded Broad-bar	Scotopteryx chenopodiata		29/08/1986	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Shaded Broad-bar	Scotopteryx chenopodiata	1	16/07/2002 - 17/07/2002	SP53762724		Ardley Quarry		field record	BBOWT			NERC S.41	
Latticed Heath	Chiasmia clathrata		22/06/1983	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		26/07/1984	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		03/06/1985	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		19/06/1985	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		30/06/1986	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		12/07/1988	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		12/07/1988	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		22/06/1983	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		26/07/1984	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		03/06/1985	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		19/06/1985	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		30/06/1986	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		12/07/1988	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		12/07/1988	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		22/06/1983	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		26/07/1984	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		03/06/1985	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		19/06/1985	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		30/06/1986	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		12/07/1988	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		12/07/1988	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Latticed Heath	Chiasmia clathrata		May 1985	SP538273		Ardley Quarry Nature Reserve		field record	LN			NERC S.41	
Small Square-spot	Diarsia rubi	1	16/07/2002 - 17/07/2002	SP53762724		Ardley Quarry		field record	BBOWT			NERC S.41	
Grey Dagger	Acronicta psi		03/06/1985	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Rosy Rustic	Hydraecia micacea	1	29/08/2002 - 30/08/2002	SP53762724		Ardley Quarry		field record	BBOWT			NERC S.41	
Four-spotted	Tyta luctuosa		22/06/1983	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-Pre94-VU
Four-spotted	Tyta luctuosa		19/06/1985	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-Pre94-VU
Four-spotted	Tyta luctuosa		22/06/1983	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-Pre94-VU
Four-spotted	Tyta luctuosa		26/07/1984	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-Pre94-VU
Four-spotted	Tyta luctuosa		19/06/1985	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-Pre94-VU
Four-spotted	Tyta luctuosa		03/06/1985	SP523283		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-Pre94-VU
Four-spotted	Tyta luctuosa		22/06/1983	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-Pre94-VU
Four-spotted	Tyta luctuosa		26/07/1984	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-Pre94-VU
Four-spotted	Tyta luctuosa		19/06/1985	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-Pre94-VU
Four-spotted	Tyta luctuosa		03/06/1985	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	GBRed-Pre94-VU
Cinnabar	Tyria jacobaeae		22/06/1983	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Cinnabar	Tyria jacobaeae		19/06/1985	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Cinnabar	Tyria jacobaeae	Larva	23/07/1985	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Cinnabar	Tyria jacobaeae	Larva	23/07/1985	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Cinnabar	Tyria jacobaeae	Larva	12/07/1988	SP534274		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC			NERC S.41	
Cinnabar	Tyria jacobaeae	1	12/05/2006	SP53562725		Ardley Quarry		field record	BBOWT			NERC S.41	
Cinnabar	Tyria jacobaeae	5	28/06/2009	SP53562725		Ardley Quarry		field record	BBOWT			NERC S.41	
Cinnabar	Tyria jacobaeae	1 Adult	22/05/2012	SP5381727273		Ardley Quarry		field record	BBOWT			NERC S.41	
Cinnabar	Tyria jacobaeae		May 1985	SP538273		Ardley Quarry Nature Reserve		field record	LN			NERC S.41	
insect - Ant, bee or wasp etc.	Lasioglossum (Evylaeus) malachurum		29/07/2007	SP535274		Ardley, Ardley			LN				Notable-B
insect - Ant, bee or wasp etc.	Lasioglossum (Evylaeus) pauxillum		29/07/2007	SP535274		Ardley, Ardley			LN				Notable-A
Palmate Newt	Lissotriton helveticus		2001	SP529266		Upper Heyford Airfield	Water tanks (not just at this grid ref)	field record	EC		WACA-Sch5_sect9.5a & b		
Smooth Newt	Lissotriton vulgaris		2001	SP529266		Upper Heyford Airfield	Water tanks (not just at this grid ref)	field record	EC		WACA-Sch5_sect9.5a & b		
Smooth Newt	Lissotriton vulgaris		May 1985	SP538273		Ardley Quarry Nature Reserve		field record	LN		WACA-Sch5_sect9.5a & b		
Smooth Newt	Lissotriton vulgaris		May 1985	SP538273		Ardley Quarry Nature Reserve		field record	LN		WACA-Sch5_sect9.5a & b		
Smooth Newt	Lissotriton vulgaris		08/07/1991	SP538273		Ardley Quarry Nature Reserve		field record	OBRC		WACA-Sch5_sect9.5a & b		

Common Name	Scientific name	Abundance and/or Sex/Stage	Date	Grid Ref	Grid Ref. Qualifier	Location	Further Location Information	Type of Record	Data Origin	European Directives	UK Legislation	Priority NERC S.41	Other Designations
Great Crested Newt	Triturus cristatus		2001 - 2002	SP5179227608		Upper Heyford Airfield	Water tank	field record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1 adult	09/06/2012	SP51792760		Upper Heyford Park	Water tank	trapped (other)	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1 adult	08/05/2012	SP51792760		Upper Heyford Park	Water tank	trapped (other)	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1 adult	11/05/2012	SP51792760		Upper Heyford Park	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1	19/05/2014	SP51912740		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	63 adults	17/05/2012	SP52272729		Upper Heyford Park	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	82 adults	25/05/2012	SP52272729		Upper Heyford Park	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	54 adults	29/05/2012	SP52272729		Upper Heyford Park	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	70 adults	09/06/2012	SP52272729		Upper Heyford Park	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	82 adults	08/05/2012	SP52272729		Upper Heyford Park	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	63 adults	11/05/2012	SP52272729		Upper Heyford Park	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	65	07/04/2014	SP52272729		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	53	17/04/2014	SP52272729		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	27	06/05/2014	SP52272729		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	50	19/05/2014	SP52272729		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	83	01/05/2014	SP52272729		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	83	31/03/2014	SP52272729		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	6 adults	29/05/2012	SP52532719		Upper Heyford Park	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	2 adults	09/06/2012	SP52532719		Upper Heyford Park	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1 adult	17/05/2012	SP52532719		Upper Heyford Park	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	6 adults	25/05/2012	SP52532719		Upper Heyford Park	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1	17/04/2014	SP52532719		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1	01/05/2014	SP52532719		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1	31/03/2014	SP52532719		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1	07/04/2014	SP52532719		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1	06/05/2014	SP52532719		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1	19/05/2014	SP52532719		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1	17/04/2014	SP52562642		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	39	01/05/2014	SP52562642		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	16	31/03/2014	SP52562642		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	22	07/04/2014	SP52562642		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	22	06/05/2014	SP52562642		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	

Common Name	Scientific name	Abundance and/or Sex/Stage	Date	Grid Ref	Grid Ref. Qualifier	Location	Further Location Information	Type of Record	Data Origin	European Directives	UK Legislation	Priority NERC S.41	Other Designations
Great Crested Newt	Triturus cristatus	41	19/05/2014	SP52562642		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	69 adults	17/05/2012	SP52562650		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	65 adults	25/05/2012	SP52562650		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	53 adults	29/05/2012	SP52562650		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	68 adults	09/06/2012	SP52562650		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	59 adults	08/05/2012	SP52562650		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	59 adults	11/05/2012	SP52562650		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	8	01/05/2014	SP52562650		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	10	31/03/2014	SP52562650		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	11	07/04/2014	SP52562650		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	9	06/05/2014	SP52562650		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	16	19/05/2014	SP52562650		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	13	17/04/2014	SP52562650		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus		2001 - 2002	SP5256326503		Upper Heyford Airfield	Water tank	field record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	57 adults	25/05/2012	SP52572642		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	27 adults	29/05/2012	SP52572642		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	58 adults	09/06/2012	SP52572642		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	11 adults	11/05/2012	SP52572642		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	44 adults	17/05/2012	SP52572642		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1	31/03/2014	SP52622720		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	3	07/04/2014	SP52622720		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1	19/05/2014	SP52622720		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	2	01/05/2014	SP52622720		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	2	06/05/2014	SP52622720		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	3 adults	17/05/2012	SP52622721		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1 adult	25/05/2012	SP52622721		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1 adult	29/05/2012	SP52622721		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	3 adults	08/05/2012	SP52622721		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	3 adults	11/05/2012	SP52622721		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	10 adults	17/05/2012	SP52792657		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	25 adults	25/05/2012	SP52792657		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	14 adults	29/05/2012	SP52792657		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	

Common Name	Scientific name	Abundance and/or Sex/Stage	Date	Grid Ref	Grid Ref. Qualifier	Location	Further Location Information	Type of Record	Data Origin	European Directives	UK Legislation	Priority NERC S.41	Other Designations
Great Crested Newt	Triturus cristatus	9 adults	09/06/2012	SP52792657		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	32 adults	08/05/2012	SP52792657		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	7 adults	11/05/2012	SP52792657		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	11	31/03/2014	SP52792657		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	7	07/04/2014	SP52792657		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	1	17/04/2014	SP52792657		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	12	19/05/2014	SP52792657		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	5	01/05/2014	SP52792657		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	13	06/05/2014	SP52792657		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus		2001 - 2002	SP5279426562		Upper Heyford Airfield	Water tank	field record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	20 adults	17/05/2012	SP52802675		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	8 adults	25/05/2012	SP52802675		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	29 adults	29/05/2012	SP52802675		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	20 adults	09/06/2012	SP52802675		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	20 adults	08/05/2012	SP52802675		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	12 adults	11/05/2012	SP52802675		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	13	19/05/2014	SP52802675		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	3	06/05/2014	SP52802675		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	7	07/04/2014	SP52802675		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	20	17/04/2014	SP52802675		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	10	31/03/2014	SP52802675		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	7	01/05/2014	SP52802675		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus		2001 - 2002	SP5280726753		Upper Heyford Airfield	Water tank	field record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus		2001 - 2002	SP5293026793		Upper Heyford Airfield	Water tank	field record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	11 adults	17/05/2012	SP52932679		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	19 adults	25/05/2012	SP52932679		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	14 adults	29/05/2012	SP52932679		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	4 adults	09/06/2012	SP52932679		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	51 adults	08/05/2012	SP52932679		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	5 adults	11/05/2012	SP52932679		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	25	07/04/2014	SP52932679		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	24	07/04/2014	SP52932679		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	

Common Name	Scientific name	Abundance and/or Sex/Stage	Date	Grid Ref	Grid Ref. Qualifier	Location	Further Location Information	Type of Record	Data Origin	European Directives	UK Legislation	Priority NERC S.41	Other Designations
Great Crested Newt	Triturus cristatus	26	17/04/2014	SP52932679		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	18	19/05/2014	SP52932679		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	25	31/03/2014	SP52932679		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	17	01/05/2014	SP52932679		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	12	06/05/2014	SP52932679		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	9 adults	17/05/2012	SP52962664		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	27 adults	25/05/2012	SP52962664		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	16 adults	29/05/2012	SP52962664		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	15 adults	09/06/2012	SP52962664		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	24 adults	08/05/2012	SP52962664		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	8 adults	11/05/2012	SP52962664		Upper Heyford Airfield	Water tank	Torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	8	17/04/2014	SP52962664		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	13	01/05/2014	SP52962664		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	17	06/05/2014	SP52962664		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	8	07/04/2014	SP52962664		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	9	31/03/2014	SP52962664		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	29	19/05/2014	SP52962664		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus		2001 - 2002	SP5296726641		Upper Heyford Airfield	Water tank	field record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus		2001 - 2002	SP5310026629		Upper Heyford Airfield	Water tank	field record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	13 adults	17/05/2012	SP53102663		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	24 adults	25/05/2012	SP53102663		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	23 adults	29/05/2012	SP53102663		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	18 adults	09/06/2012	SP53102663		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	24 adults	08/05/2012	SP53102663		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	15 adults	11/05/2012	SP53102663		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	20	19/05/2014	SP53102663		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	7	01/05/2014	SP53102663		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	13	06/05/2014	SP53102663		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	4	07/04/2014	SP53102663		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	5	17/04/2014	SP53102663		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	13	31/03/2014	SP53102663		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus		2001 - 2002	SP5310926828		Upper Heyford Airfield	Water tank	field record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	

Common Name	Scientific name	Abundance and/or Sex/Stage	Date	Grid Ref	Grid Ref. Qualifier	Location	Further Location Information	Type of Record	Data Origin	European Directives	UK Legislation	Priority NERC S.41	Other Designations
Great Crested Newt	Triturus cristatus	35 adults	17/05/2012	SP53112683		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	40 adults	25/05/2012	SP53112683		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	36 adults	29/05/2012	SP53112683		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	15 adults	09/06/2012	SP53112683		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	40 adults	08/05/2012	SP53112683		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	22 adults	11/05/2012	SP53112683		Upper Heyford Airfield	Water tank	Trapping and torching	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	30	19/05/2014	SP53112683		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	16	17/04/2014	SP53112683		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	15	01/05/2014	SP53112683		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	23	31/03/2014	SP53112683		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	18	06/05/2014	SP53112683		Upper Heyford Airfield		nocturnal record	EC	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus	2 Eggs	20/04/2004	SP53762724		Ardley Quarry			BBOWT	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus		01/01/2008 - 31/12/2008	SP53762724		Ardley Quarry		field record	BBOWT	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Great Crested Newt	Triturus cristatus		29/03/1991	sp539274		Ardley Quarry	Main pond	field record	BBOWT	HabDir-A2, HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	
Common Toad	Bufo bufo		2001	SP529266		Upper Heyford Airfield	Water tanks (not just at this grid ref)	field record	EC		WACA-Sch5_sect9.5a & b	NERC S.41	
Common Frog	Rana temporaria		2001	SP529266		Upper Heyford Airfield	Water tanks (not just at this grid ref)	field record	EC	HabDir-A5	WACA-Sch5_sect9.5a & b		
Mallard	Anas platyrhynchos	1	22/05/2007	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Mallard	Anas platyrhynchos	2	19/04/2007	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Mallard	Anas platyrhynchos	3	09/04/2009	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Mallard	Anas platyrhynchos	2	15/04/2009	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Mallard	Anas platyrhynchos	2	05/06/2006	SP53762724		Ardley Quarry			BBOWT				Bird-Amber
Grey Partridge	Perdix perdix		2001 - 2002	SP520270		Upper Heyford Airfield	Whole site	Evidence of breeding	EC			NERC S.41	Bird-Red
Red Kite	Milvus milvus	2	06/07/2010	SP525269		Upper Heyford Airfield			OLWS	BirdsDir-A1	WACA-Sch1(pt 1)		GlobalRed-post2001_NT, Bird-Amber
Hen Harrier	Circus cyaneus	1	08/03/2004	SP52J	2 km record	Confidential		Field Record	OOS	BirdsDir-A1	WACA-Sch1(pt 1)		Bird-Red
Kestrel	Falco tinnunculus	1	06/07/2010	SP525269		Upper Heyford Airfield			OLWS				Bird-Amber
Kestrel	Falco tinnunculus	1	28/07/2007	SP537274		Ardley Quarry		field record	BBOWT				Bird-Amber
Peregrine	Falco peregrinus	1	06/07/2010	SP525269		Upper Heyford Airfield			OLWS	BirdsDir-A1	WACA-Sch1(pt 1)		Bird-Amber
Lapwing	Vanellus vanellus	1800	02/11/1999	SP5127	1 km record	Ardley		Field Record	OOS			NERC S.41	Bird-Red
Whimbrel	Numenius phaeopus		Autumn 2001	SP520270		Upper Heyford Airfield	Whole site	field record	EC		WACA-Sch1(pt 1)		Bird-Red
Curlew	Numenius arquata		2001 - 2002	SP520270		Upper Heyford Airfield	Whole site	Evidence of breeding	EC			NERC S.41	GlobalRed-post2001_NT, Bird-Amber
Common Gull	Larus canus	10	27/04/2012	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Common Gull	Larus canus	3	25/03/2012	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber
Lesser Black-backed Gull	Larus fuscus	10	24/05/2012	SP5356927254		Ardley Quarry		field record	BBOWT				Bird-Amber
Lesser Black-backed Gull	Larus fuscus	10	09/09/2007	SP537274		Ardley Quarry		field record	BBOWT				Bird-Amber
Barn Owl	Tyto alba	1	24/01/2004	SP52P	2 km record	Confidential		Field Record	OOS		WACA-Sch1(pt 1)		Bird-Amber
Swift	Apus apus		2012	SP52022793		Troy Farm, Fritwell		nest	LN				Bird-Amber
Swift	Apus apus		2013	SP52022793		Troy Farm,, Fritwell		nest	LN				Bird-Amber
Swift	Apus apus		2001 - 2002	SP520270		Upper Heyford Airfield	Whole site	Evidence of breeding	EC				Bird-Amber
Swift	Apus apus		2012	SP52282946		Newhome Farm, Fritwell		nest	LN				Bird-Amber

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Swift	Apus apus		2014	SP5232529451		Sunnyside Cottage, 56 North Street, Fritwell		nest	LN				Bird-Amber
Swift	Apus apus		2009	SP524294		Farm buildings along North Street, Fritwell		Flying	LN				Bird-Amber
Swift	Apus apus		2010	SP524294		Farm buildings along North Street, Fritwell		Flying	LN				Bird-Amber
Swift	Apus apus	40	06/07/2010	SP525269		Upper Heyford Airfield			OLWS				Bird-Amber
Swift	Apus apus		2010	SP52682895		Vine Cottage, 96 East Street, Fritwell		nest	LN				Bird-Amber
Swift	Apus apus		2012	SP52682895		Vine Cottage, 96 East Street, Fritwell		nest	LN				Bird-Amber
Swift	Apus apus		2013	SP52682895		Vine Cottage, 96 East Street, Fritwell		nest	LN				Bird-Amber
Swift	Apus apus		2009	SP52692897		The Limes, East Street, Fritwell		nest	LN				Bird-Amber
Swift	Apus apus		2010	SP52692897		The Limes, East Street, Fritwell		nest	LN				Bird-Amber
Swift	Apus apus		2012	SP52692897		The Limes, East Street, Fritwell		nest	LN				Bird-Amber
Swift	Apus apus		2013	SP52692897		The Limes, East Street, Fritwell		nest	LN				Bird-Amber
Swift	Apus apus		2013	SP52722948		Fuller's Farm, North Street, Fritwell		Flying	LN				Bird-Amber
Swift	Apus apus		2012	SP52812933		George and Dragon, Fritwell		Flying	LN				Bird-Amber
Swift	Apus apus		2014	SP52822932		House next to The George and Dragon (south), East street , Fritwell		nest	LN				Bird-Amber
Swift	Apus apus		2008	SP528294		Buildings north of the George and Dragon PH, Fritwell		Flying	LN				Bird-Amber
Swift	Apus apus		2009	SP528294		Buildings close to the George and Dragon on the north side, Fritwell		Flying	LN				Bird-Amber
Swift	Apus apus		2010	SP528294		Buildings close to the George and Dragon on the north side, Fritwell		Flying	LN				Bird-Amber
Swift	Apus apus		2013	SP528294		Buildings close to the George and Dragon on the north side, Fritwell		Flying	LN				Bird-Amber
Swift	Apus apus	3	28/07/2007	SP537274		Ardley Quarry		field record	BBOWT				Bird-Amber
Swift	Apus apus	3	08/07/2007	SP537274		Ardley Quarry		field record	BBOWT				Bird-Amber
Swift	Apus apus		2012	SP540278		Fewcott		Flying	LN				Bird-Amber
Swift	Apus apus		2013	SP5426527740		24 Ardley Road, Fewcott		nest	LN				Bird-Amber
Kingfisher	Alcedo atthis	1	18/11/2008 - 18/11/2008	SP53762724		Ardley Quarry		field record	BBOWT	BirdsDir-A1	WACA-Sch1(pt 1)		Bird-Amber
Hoopoe	Upupa epops	1	11/05/1999	SP5327	1 km record	Ardley Field Quarry		Field Record	OOS		WACA-Sch1(pt 1)		
Hoopoe	Upupa epops	1	17/05/1999	SP5327	1 km record	Ardley Field Quarry		Field Record	OOS		WACA-Sch1(pt 1)		
Green Woodpecker	Picus viridis	1	27/04/2012	SP5356927254		Ardley Quarry		field record	BBOWT				Bird-Amber
Green Woodpecker	Picus viridis	1	12/06/2007	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Green Woodpecker	Picus viridis	1	09/04/2009	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Green Woodpecker	Picus viridis	1	23/05/2009	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Green Woodpecker	Picus viridis	1	30/04/2010	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Green Woodpecker	Picus viridis	2	08/07/2007	SP537274		Ardley Quarry		field record	BBOWT				Bird-Amber
Green Woodpecker	Picus viridis	1	21/04/2007	SP537274		Ardley Quarry		field record	BBOWT				Bird-Amber
Green Woodpecker	Picus viridis	1	21/05/2008	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber
Green Woodpecker	Picus viridis	1	15/04/2009	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber
Grasshopper Warbler	Locustella naevia		Autumn 2001	SP520270		Upper Heyford Airfield	Whole site	field record	EC			NERC S.41	Bird-Red
Willow Warbler	Phylloscopus trochilus	1	23/05/2009	SP5356927254		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	1	14/05/2010	SP5356927254		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	1	07/05/2010	SP5356927254		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	2	30/04/2010	SP5356927254		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	3	25/04/2007	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	3	19/04/2007	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	1	15/04/2009	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	1	23/05/2009	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	1	24/05/2012	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	2	21/04/2007	SP537274		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	4	04/05/2006	SP53762724		Ardley Quarry			BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	3	05/06/2006	SP53762724		Ardley Quarry			BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	1	08/05/2008	SP5378227088		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	1	12/05/2009	SP5378227088		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	1	09/04/2009	SP5378227088		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	1	14/05/2010	SP5378227088		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	1	22/05/2007	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber

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Willow Warbler	Phylloscopus trochilus	2	22/05/2007	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	2	25/04/2007	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	1	27/04/2008	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	1	12/05/2009	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	1	23/05/2009	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	2	27/04/2012	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber
Willow Warbler	Phylloscopus trochilus	1	24/05/2012	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber
Skylark	Alauda arvensis	130 Territories	2001 - 2002	SP520270		Upper Heyford Airfield	Whole site	Evidence of breeding	EC			NERC S.41	Bird-Red
Skylark	Alauda arvensis		06/07/2010	SP525269		Upper Heyford Airfield			OLWS			NERC S.41	Bird-Red
Skylark	Alauda arvensis	1	25/03/2012	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Skylark	Alauda arvensis	1	24/05/2012	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Skylark	Alauda arvensis	1	27/04/2012	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Skylark	Alauda arvensis	1	08/07/2007	SP537274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Swallow	Hirundo rustica	50	06/07/2010	SP525269		Upper Heyford Airfield			OLWS				Bird-Amber
Swallow	Hirundo rustica	1	25/04/2007	SP5356927254		Ardley Quarry		field record	BBOWT				Bird-Amber
Swallow	Hirundo rustica	3	28/07/2007	SP537274		Ardley Quarry		field record	BBOWT				Bird-Amber
Swallow	Hirundo rustica	3	09/09/2007	SP537274		Ardley Quarry		field record	BBOWT				Bird-Amber
Swallow	Hirundo rustica	1	12/06/2007	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber
Swallow	Hirundo rustica	1	15/04/2009	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber
House Martin	Delichon urbicum		2001 - 2002	SP520270		Upper Heyford Airfield	Whole site	Evidence of breeding	EC				Bird-Amber
House Martin	Delichon urbicum	4	09/09/2007	SP537274		Ardley Quarry		field record	BBOWT				Bird-Amber
House Martin	Delichon urbicum	2	08/07/2007	SP537274		Ardley Quarry		field record	BBOWT				Bird-Amber
House Martin	Delichon urbicum	1	28/07/2007	SP537274		Ardley Quarry		field record	BBOWT				Bird-Amber
Meadow Pipit	Anthus pratensis	40 Territories	2001 - 2002	SP520270		Upper Heyford Airfield	Whole site	Evidence of breeding	EC				Bird-Amber
Meadow Pipit	Anthus pratensis		06/07/2010	SP525269		Upper Heyford Airfield			OLWS				Bird-Amber
Yellow Wagtail	Motacilla flava subsp. flavissima		Autumn 2001	SP520270		Upper Heyford Airfield	Whole site	field record	EC			NERC S.41	
Duncock	Prunella modularis	1	25/04/2007	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	2	12/06/2007	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	1	21/05/2008	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	1	12/05/2009	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	2	09/04/2009	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	1	23/05/2009	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	1	14/05/2010	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	2	07/05/2010	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	1	07/05/2010	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	1	25/03/2012	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	1	12/06/2007	SP5371327398		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	1	04/05/2006	SP53762724		Ardley Quarry			BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	1	19/04/2007	SP5378227088		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	1	27/04/2008	SP5378227088		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	1	27/04/2012	SP5378227088		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	1	21/05/2008	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	2	30/04/2010	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	1	14/05/2010	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Duncock	Prunella modularis	1	27/04/2012	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Wheatear	Oenanthe oenanthe	30 Territories	2001 - 2002	SP520270		Upper Heyford Airfield	Whole site	Evidence of breeding	EC				Bird-Amber
Wheatear	Oenanthe oenanthe	2	06/07/2010	SP525269		Upper Heyford Airfield			OLWS				Bird-Amber
Fieldfare	Turdus pilaris	15	04/01/2007	SP5356927254		Ardley Quarry		field record	BBOWT		WACA-Sch1(pt 1)		Bird-Red
Fieldfare	Turdus pilaris	5	04/01/2007	SP5356927254		Ardley Quarry		field record	BBOWT		WACA-Sch1(pt 1)		Bird-Red
Fieldfare	Turdus pilaris	10	04/01/2007	SP5356927254		Ardley Quarry		field record	BBOWT		WACA-Sch1(pt 1)		Bird-Red
Song Thrush	Turdus philomelos		2001 - 2002	SP520270		Upper Heyford Airfield	Whole site	Evidence of breeding	EC			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	14/05/2010	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	2	27/04/2012	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	24/05/2012	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	2	25/03/2012	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	27/04/2012	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	08/05/2008	SP5371327398		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red

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Song Thrush	Turdus philomelos	1	09/04/2009	SP5371327398		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	12/05/2009	SP5371327398		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	12/05/2009	SP5371327398		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	15/04/2009	SP5371327398		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	30/04/2010	SP5371327398		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	14/05/2010	SP5371327398		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	27/04/2012	SP5371327398		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	25/03/2012	SP5371327398		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	24/05/2012	SP5371327398		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	25/03/2012	SP5371327398		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	27/04/2012	SP5371327398		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	08/07/2007	SP537274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	3	04/05/2006	SP53762724		Ardley Quarry			BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	21/05/2008	SP5378227088		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	07/05/2010	SP5378227088		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	24/05/2012	SP5378227088		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	22/05/2007	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	19/04/2007	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	12/06/2007	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	09/04/2009	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	09/04/2009	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	09/04/2009	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	15/04/2009	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	23/05/2009	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	09/04/2009	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	07/05/2010	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	14/05/2010	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	30/04/2010	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	27/04/2012	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	25/03/2012	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	24/05/2012	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Song Thrush	Turdus philomelos	1	27/04/2012	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Mistle Thrush	Turdus viscivorus	1	15/04/2009	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Spotted Flycatcher	Muscicapa striata		2001 - 2002	SP520270		Upper Heyford Airfield	Whole site	Evidence of breeding	EC			NERC S.41	Bird-Red
Whitethroat	Sylvia communis		04/07/1983	SP517287		Ardley Cutting and Quarry SSSI	Fritwell Railway Cuttings	field record	OBRC				Bird-Amber
Whitethroat	Sylvia communis	1	22/05/2007	SP5356927254		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	Sylvia communis	1	12/06/2007	SP5356927254		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	Sylvia communis	1	08/05/2008	SP5356927254		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	Sylvia communis	1	21/05/2008	SP5356927254		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	Sylvia communis	1	07/05/2010	SP5356927254		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	Sylvia communis	1	14/05/2010	SP5356927254		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	Sylvia communis	1	12/06/2007	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	Sylvia communis	1	08/05/2008	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	Sylvia communis	1	23/05/2009	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	Sylvia communis	1	30/04/2010	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber

Common Name	Scientific name	Abundance and/or Sex/Stage	Date	Grid Ref	Grid Ref. Qualifier	Location	Further Location Information	Type of Record	Data Origin	European Directives	UK Legislation	Priority NERC S.41	Other Designations
Whitethroat	<i>Sylvia communis</i>	1	07/05/2010	SP5371327398		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	<i>Sylvia communis</i>	1	04/05/2006	SP53762724		Ardley Quarry			BBOWT				Bird-Amber
Whitethroat	<i>Sylvia communis</i>	1	19/04/2007	SP5378227088		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	<i>Sylvia communis</i>	1	08/05/2008	SP5378227088		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	<i>Sylvia communis</i>	1	12/05/2009	SP5378227088		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	<i>Sylvia communis</i>	1	23/05/2009	SP5378227088		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	<i>Sylvia communis</i>	1	14/05/2010	SP5378227088		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	<i>Sylvia communis</i>	1	22/05/2007	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	<i>Sylvia communis</i>	1	23/05/2009	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber
Whitethroat	<i>Sylvia communis</i>	1	14/05/2010	SP5381727274		Ardley Quarry		field record	BBOWT				Bird-Amber
Starling	<i>Sturnus vulgaris</i>	1	12/06/2007	SP5371327398		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Starling	<i>Sturnus vulgaris</i>	7	08/07/2007	SP537274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
House Sparrow	<i>Passer domesticus</i>	1	25/03/2012	SP5371327398		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Tree Sparrow	<i>Passer montanus</i>	20+ Territories	2001 - 2002	SP520270		Upper Heyford Airfield	Whole site	Evidence of breeding	EC			NERC S.41	Bird-Red
Linnet	<i>Linaria cannabina</i>		06/07/2010	SP525269		Upper Heyford Airfield			OLWS			NERC S.41	Bird-Red
Linnet	<i>Linaria cannabina</i>	3	07/05/2010	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Linnet	<i>Linaria cannabina</i>	2	14/05/2010	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Bullfinch	<i>Pyrrhula pyrrhula</i>	2	25/04/2007	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Bullfinch	<i>Pyrrhula pyrrhula</i>	1	23/05/2009	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Bullfinch	<i>Pyrrhula pyrrhula</i>	1	09/04/2009	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Bullfinch	<i>Pyrrhula pyrrhula</i>	1	24/05/2012	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Bullfinch	<i>Pyrrhula pyrrhula</i>	2	21/04/2007	SP537274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Bullfinch	<i>Pyrrhula pyrrhula</i>	2	05/06/2006	SP53762724		Ardley Quarry			BBOWT			NERC S.41	Bird-Amber
Bullfinch	<i>Pyrrhula pyrrhula</i>	3	04/05/2006	SP53762724		Ardley Quarry			BBOWT			NERC S.41	Bird-Amber
Bullfinch	<i>Pyrrhula pyrrhula</i>	1	25/04/2007	SP5378227088		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Bullfinch	<i>Pyrrhula pyrrhula</i>	4	30/04/2010	SP5378227088		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Bullfinch	<i>Pyrrhula pyrrhula</i>	1	15/04/2009	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Bullfinch	<i>Pyrrhula pyrrhula</i>	1	14/05/2010	SP5381727274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Amber
Yellowhammer	<i>Emberiza citrinella</i>		2001 - 2002	SP520270		Upper Heyford Airfield	Whole site	Evidence of breeding	EC			NERC S.41	Bird-Red
Yellowhammer	<i>Emberiza citrinella</i>	several	02/06/2004	SP5229	1 km record	Fritwell		Field Record	OOS			NERC S.41	Bird-Red
Yellowhammer	<i>Emberiza citrinella</i>		02/06/2004	SP527280		Fritwell minor road		field record	LN			NERC S.41	Bird-Red
Yellowhammer	<i>Emberiza citrinella</i>	1	12/06/2007	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Yellowhammer	<i>Emberiza citrinella</i>	2	09/04/2009	SP5356927254		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Yellowhammer	<i>Emberiza citrinella</i>	2	08/07/2007	SP537274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Yellowhammer	<i>Emberiza citrinella</i>	1	21/04/2007	SP537274		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Yellowhammer	<i>Emberiza citrinella</i>		09/07/2007	SP537275				field record	EC			NERC S.41	Bird-Red
Yellowhammer	<i>Emberiza citrinella</i>	1	05/06/2006	SP53762724		Ardley Quarry			BBOWT			NERC S.41	Bird-Red
Yellowhammer	<i>Emberiza citrinella</i>	1	08/05/2008	SP5378227088		Ardley Quarry		field record	BBOWT			NERC S.41	Bird-Red
Reed Bunting	<i>Emberiza schoeniclus</i>	1 Territory	2001 - 2002	SP520270		Upper Heyford Airfield	Whole site	Evidence of breeding	EC			NERC S.41	Bird-Amber
Corn Bunting	<i>Emberiza calandra</i>	6+ Territories	2001 - 2002	SP520270		Upper Heyford Airfield	Whole site	Evidence of breeding	EC			NERC S.41	Bird-Red
Corn Bunting	<i>Emberiza calandra</i>	1	02/06/2004	SP5229	1 km record	Fritwell		Field Record	OOS			NERC S.41	Bird-Red
Corn Bunting	<i>Emberiza calandra</i>	8	06/07/2010	SP525269		Upper Heyford Airfield			OLWS			NERC S.41	Bird-Red
Corn Bunting	<i>Emberiza calandra</i>		02/06/2004	SP527280		Fritwell minor road		field record	LN			NERC S.41	Bird-Red
Eurasian Badger	<i>Meles meles</i>	1	13/03/2009	SP533305		B4100, near Fritwell turn		dead on road	LN		Badgers Act (1992)		
Eurasian Badger	<i>Meles meles</i>	1	03/04/2009	SP534304		B4100, near Fritwell turn		dead on road	LN		Badgers Act (1992)		
Eurasian Badger	<i>Meles meles</i>	1	03/04/2007	SP537301		B4100, east of Fritwell turn		dead on road	LN		Badgers Act (1992)		
Eurasian Badger	<i>Meles meles</i>	2 Dead	01/05/2012 - 31/05/2012	SP537301		B4100 Bicester to Banbury road		dead on road	MOP		Badgers Act (1992)		
Eurasian Badger	<i>Meles meles</i>		April 1985	SP538273		Ardley Quarry Nature Reserve	Sett		LN		Badgers Act (1992)		
Eurasian Badger	<i>Meles meles</i>		May 1985	SP538273		Ardley Quarry Nature Reserve		field record	LN		Badgers Act (1992)		
Eurasian Badger	<i>Meles meles</i>		May 1985	SP538273		Ardley Quarry Nature Reserve		field record	LN		Badgers Act (1992)		
Eurasian Badger	<i>Meles meles</i>	1	03/07/2006	SP547293		A4100, just north of Baynard's Green roundabout		dead on road	LN		Badgers Act (1992)		
Polecat	<i>Mustela putorius</i>	1	03/04/2009	SP535303		B4100, near Fritwell turn		dead on road	LN	HabDir-A5	HabReg-Sch4	NERC S.41	
West European Hedgehog	<i>Erinaceus europaeus</i>	1	12/11/2006	SP527293		Fritwell		field record	PTES			NERC S.41	
Common Pipistrelle	<i>Pipistrellus pipistrellus</i>	Droppings	01/03/2013	SP5265928942		101 East Street, Fritwell		house	EC	HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b		
Brown Long-eared Bat	<i>Plecotus auritus</i>	Droppings	01/03/2013	SP5265928941		100 East Street, Fritwell		house	EC	HabDir-A4	HabReg-Sch2, WACA-Sch5_sects 9.4b & c, 9.5a & b	NERC S.41	

Status Key. Produced January 2014 by Thames Valley Environmental Records Centre

EUROPEAN DIRECTIVES

- BirdsDir-A1 - Species listed on Annex 1 of EC Directive 79/409/EEC on the Conservation of Wild Birds.
- HabDir-A2, HabDir-A4 & HabDir-A5 - Annex 2 and Annexes 4/5 respectively of the EC Habitats Directive. This is the Council Directive 92/43/EEC on the Conservation of natural habitats and of wild fauna and flora.

UK LEGISLATION: CONSERVATION OF HABITATS AND SPECIES REGULATIONS 2010

This legislation translates the European Habitats Directive (see above) into UK law where species are listed in Schedule 2 and Schedule 4. Species are tagged as HabReg-Sch2 or HabReg-Sch4.

UK LEGISLATION: WILDLIFE AND COUNTRYSIDE ACT 1981

Schedule 1 Wild Birds

prohibits the intentional killing, injuring or taking of any wild bird and the taking, damaging or destroying of the nest (whilst being built or in use) or eggs. It prohibits possession of wild birds (dead or alive) or their eggs. In addition:

- WACA-Sch1(pt 1) – There are additional penalties for offences relating to birds on this schedule and it is also an offence to disturb such birds at the nest or with dependent young.
- WACA-Sch1(pt 2) – Covers the protection of birds which may be killed during the open season.

(Please note that some schedule 1 bird records will refer to species that do not breed in the county, e.g. over-wintering birds such as Redwing or Fieldfare. Although we include them in the annotated records, only they and their nests, eggs and dependent young enjoy extra protection under the W&C 1981 act. If you are in any doubt about the breeding status of a bird please contact us at TVERC)

Schedule 5 Wild Animals

- WACA-Sch5_sect9.1 – covers intentional killing injuring or taking (species are covered by all or some of these)
- WACA-Sch5_sect9.2 – Covers possession or control (live or dead animal, part or derivative)
- WACA-Sch5_sect9.4a – Covers damage to or destruction of any structure or place used by a scheduled animal for shelter or protection.
- WACA-Sch5_sect9.4b – Covers disturbance of animal occupying such a structure or place.
- WACA-Sch5_sect9.4c – Covers obstruction of access to any structure or place which any such animal uses for shelter or protection
- WACA-Sch5_sect9.5a – Covers selling, offering for sale, possessing or transporting for the purpose of sale (live or dead animal, part or derivative).
- WACA-Sch5_sect9.5b – Covers advertising for buying or selling such things.

Schedule 8 Wild Plants

- WACA-Sch8 - Covers any picking, uprooting or destruction of plants listed on the Schedule. It also prohibits the sale, etc, or possession for the purpose of sale of any plants on the Schedule.

PRIORITY NERC S.41 2006

Species listed in Section 41 of the Natural Environment and Rural Communities Act 2006 as a species of principle importance. These are very similar to the list of UKBAP and have superseded them. Species are tagged NERC S.41.

OTHER DESIGNATIONS: RED LISTS

Global Red List Species (tagged GlobalRed) - Species listed by the International Union for Conservation of Nature (IUCN) in the IUCN Red List of Threatened Species. Species included are from post 1994 and post 2001 lists.

GB Red List Species (tagged GBRed) - Species included in national red lists. Species included are from pre 1994 and post 2001 lists. Please note not all taxon groups are currently covered, for example fungi.

Abbreviations:

EX – Extinct A taxon is Extinct when there is no reasonable doubt that the last individual has died.

EW – Extinct in the Wild. Species known to survive only in cultivation, in captivity or as a naturalised population(s) well outside the past range.

CR – Critically Endangered (CR) Species facing an extremely high risk of extinction in the wild in the immediate future.

EN – Endangered: Species that are not Critically Endangered but is facing a very high risk of extinction in the wild in the near future.

VU – Vulnerable: A species is Vulnerable when it is not Critically Endangered or Endangered but is facing a high risk of extinction in the wild in the medium-term future

NT – Near Threatened – A taxon considered to likely to become endangered in the near future.

LR(cd) – Lower risk (conservation dependent)

DD – Data deficient – A taxon with insufficient data to make an assessment of its risk of extinction.

RE – Regionally Extinct – Taxa that are considered extinct within the region but populations exist elsewhere in the world.

Inde – indeterminate – based on a pre 1994 category: Taxa which are known to be Endangered, Vulnerable or Rare but with insufficient data to place them in one of the categories.

Insu – Insufficiently known - based on a pre 1994 category which equates to data deficient.

Species included here are from information compiled by JNCC (The Joint Nature Conservation Committee).

OTHER DESIGNATIONS: NATIONALLY NOTABLE SPECIES

This covers invertebrate species not falling within IUCN categories but never the less uncommon in Britain.

Nationally Notable A (Tagged Notable-A): Taxa which occur in <30 10 km (hectad) squares or for less well recorded groups within <7 vice counties.

Nationally Notable B (Tagged Notable-B): Taxa which don't fall within IUCN categories but are uncommon in Britain and occur in 31-100 10 km sq/ or for less or for less well recorded groups between 8 and 20 vice counties

Notable (Tagged Notable): Taxa known to be scarce (occurring in between 16 and 100 10km squares) but for which there is insufficient information to assign them to the above categories.

This designation comes from the National Biodiversity Network (NBN) species dictionary but is supported by JNCC.

OTHER DESIGNATIONS: NATIONALLY RARE OR SCARCE SPECIES

This designation covers species that are recognised to occur in only a few locations in Britain.

Rare (tagged as Status-NR) = occurring in 15 or fewer hectads (10 km squares) in the UK

Scarce (tagged as Status-NS) = occurring in 16 – 100 hectads in the UK.

OTHER DESIGNATIONS: BIRDS OF CONSERVATION CONCERN LISTS & RED LIST FUNGI

These lists were drawn up by leading governmental and non-governmental conservation organizations including the RSPB and British Trust for Ornithology. The most recent version was published in May 2009.

Red List (tagged Bird-Red) - species are those that are globally threatened, whose population or range has declined rapidly in recent years (i.e. by more than 50% in 25 years), or which have declined historically and not recovered.

Amber List (tagged Bird-Amber) - Amber list species are those whose population or range has declined moderately in recent years (by more than 25% but less than 50% in 25 years), those whose population has declined historically but recovered recently, rare breeders (fewer than 300 pairs), those with internationally important populations in the UK, those with localised populations, and those with an unfavourable conservation status in Europe.

Red List Fungi – This designation uses the Red Data List of Threatened British Fungi (preliminary assessment) by Shelley Evans (BMS Conservation Officer). Species are designated as:

Fungi Red-CR – Critically Endangered

Fungi Red-EN – Endangered

Fungi Red-NT – Near Threatened

Fungi Red-VU – Vulnerable

These follow current IUCN guidelines (2001) as closely as possible but with adaptations to take into account the fungal lifestyle and associated practicalities of fungal recording.

OTHER DESIGNATIONS: LOCAL BAP SPECIES

For any Local Authority that has drawn up a list of BAP species. Designations will only apply to species recorded from the Local Authority area.

Currently, only Bracknell Forest Council have such a BAP list and relevant records are tagged Bracknell LBAP.

INVASIVE NON-NATIVE SPECIES

Species appearing on the Environment Agency list of non-native invasive species 2014. Species may have the following designations:

Priority Species: Species affecting EA interests the most

Rapid Response Species: Very invasive species that are not yet established

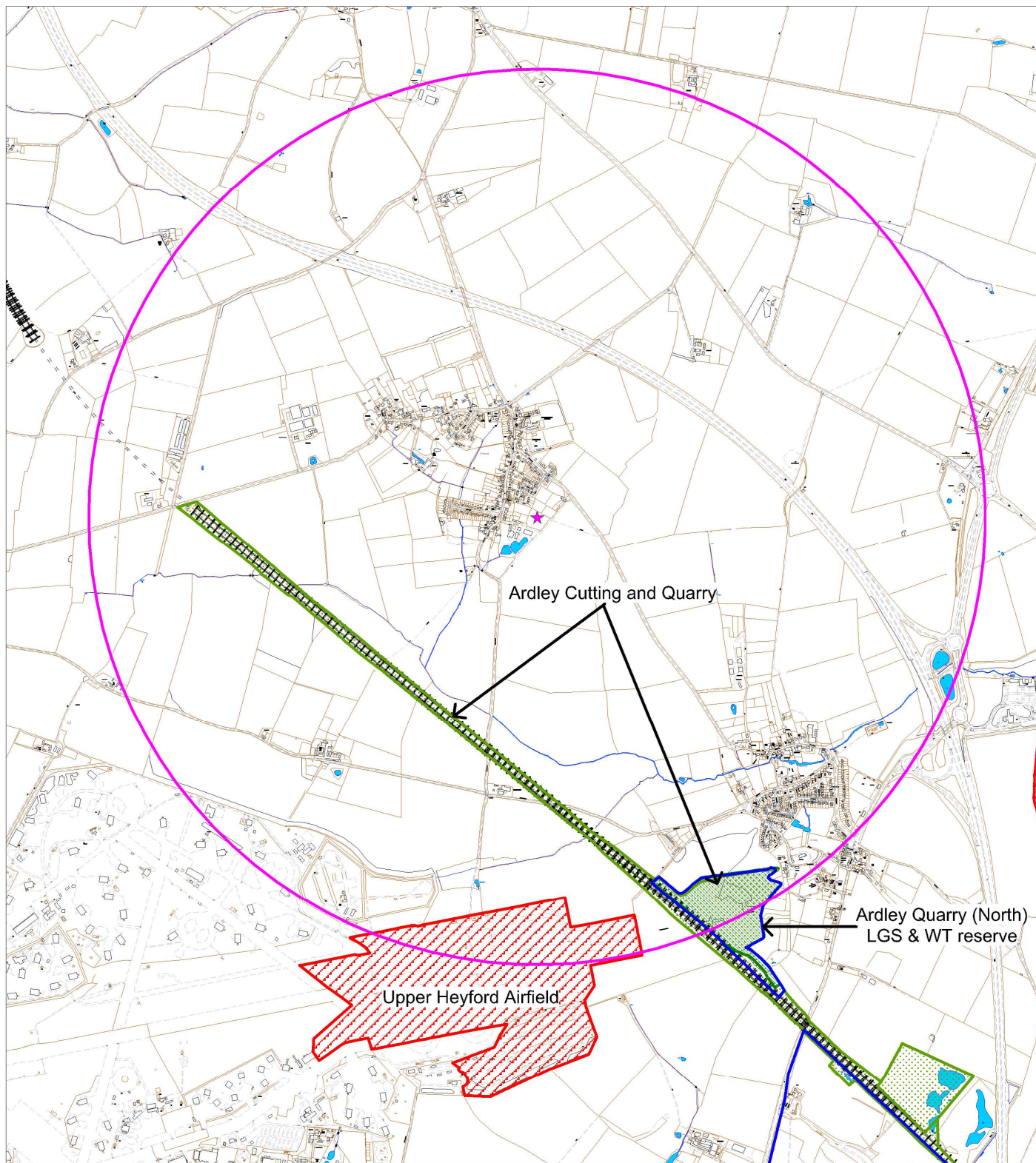
DATA ORIGIN KEY

Data Origin Abbreviation	Origin Details
AN	Abingdon Natural History Society
ANHSO	Ashmolean Natural History Society (& Rare Plant Group)
BBG	Binfield Badger Group
BBOWT	Berkshire, Buckinghamshire and Oxfordshire Wildlife Trust
BC	Butterfly Conservation (includes Upper Thames and National Data)
BDS	British Dragonfly Society
BENHS	British Entomological Natural History Society
BFC	Bracknell Forest Council
BIG	Berkshire Invertebrate Group
BLWS	Berkshire Local Wildlife Sites Project
BMG	Berkshire Mammal Group
BOC	Berkshire Bird Clubs
BOS	Banbury Ornithological Society
BRAG	Berkshire Reptile & Amphibian Group
BRC	Biological Record Centre (Monk's Wood)
BSBBG	Berks & South Berks Bat Group
BSBI	Botanical Society of the British Isles
BTC	Banbury Town Council
BTO	British Trust for Ornithology
BUWG	Bracknell Urban Wildlife Group
CBT	Childe Beale Trust
CDC	Cherwell District Council
CRPG	Cotswold Rare Plant Group
EA	Environment Agency (formally the National Rivers Authority)
EC	Professional Ecological Consultant
ET	The Earth Trust (formally the Northmoor Trust)
FLC	Friends of Longcot Churchyard
FWAG	Farmland Wildlife Advisory Group
FSO	Fungus Survey of Oxfordshire
GCN	GCN Licence Return Records
HA	Highways Agency
LN	Local/National Expert (known to TVERC)
LWVP	Lower Windrush Valley Project
MGLG	Moor Green Lakes Group
MOP	Member of the Public
NE	Natural England/EN/NCC
NFC	Newbury Field Club
NHM	Natural History Museum
NPD	National Ponds Database
NRG	Newbury Ringing Group
NT	National Trust
OBG	Oxfordshire Bat Group
OBRC	Oxfordshire Biological Record Centre (TVERC precursor)
OBU	Oxford Brookes University
OCC	Oxfordshire County Council
OFG	Oxfordshire Flora Group
OLWS	Oxfordshire Local Wildlife Sites Project

DATA ORIGIN KEY (Contd)

Data Origin Abbreviation	Origin Details
OMG	Oxfordshire Mossing Group
OOS	Oxfordshire Ornithological Society
ORAG	Oxfordshire Reptile & Amphibian Group
OS	Otter Spotter Project
OUNHM	Oxford University Natural History Museum
OUWG	Oxford Urban Wildlife Group
OX	Oxford City Council
PC	Pond Conservation
PL	Plantlife
PTES	People's Trust for Endangered Species
RBC	Reading Borough Council
RBWM	Royal Borough of Windsor & Maidenhead
RDNHS	Reading and District natural History Society
RM	Reading Museum
RSPB	Royal Society for the Protection of Birds
RUWG	Reading Urban Wildlife Group
RWP	Reading Woodlands Plan
SODC	South Oxfordshire District Council
SW	Shotover Wildlife
TVERC	Thames Valley Environmental Record Centre
TVFG	Thames valley Fungus Group
TW	Thames Water
U	Unknown
VCH	Victoria County History (historical records)
VWH	Vale of White Horse District Council
WB	West Berkshire District Council
WBC	Wokingham Borough Council
WFG	Wychwood Flora Group
WIA	Wildlife in Ascot Group
WILDCRU	Wildlife Conservation Research Unit
WMUWG	Windsor & Maidenhead Urban Wildlife Group
WODC	West Oxfordshire District Council
WS	Wytham Survey
WWT	Wildfowl & Wetlands Trust
YE	Yattendon Estate

Land at Fewcott Road, Fritwell Designated Wildlife Sites Map



★ Site central grid reference (SP529290)

Scale: 1:25000

-  Search Area (2 km)
-  Site of Special Scientific Interest
-  Local Wildlife Sites
-  Local Geological Site
-  Wildlife Trust Reserves

COUNTY: OXFORDSHIRE

SITE NAME: ARDLEY CUTTING AND QUARRY

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

Local Planning Authorities: Cherwell District Council, Oxfordshire County Council

National Grid Reference: SP540269

Ordnance Survey Sheet 1:50,000: 164 **1:10,000:** SP52 NW, NE

Date Notified (Under 1949 Act): 1972 **Date of Last Revision:**

Date Notified (Under 1981 Act): 1988 **Date of Last Revision:** 28 July 1999

Area: 40.13 ha 99.12 ac

Other information: Part of the site is managed by the Berkshire, Buckinghamshire and Oxfordshire Wildlife Trust

Description and Reasons for Notification

This site lies in the eastern part of the Oxfordshire Cotswolds along a section of the London to Birmingham railway line. It is of geological interest for its exposures of Jurassic rocks and has biological interest associated with limestone grassland, scrub, ancient woodland and wetland habitats. The soils are mostly shallow loams of the Aberford Series, interrupted in places by bands of ill-draining clays and outcrops of Northants sands giving rise to changes in the flora.

The railway cutting and southernmost quarry constitute one of southern England's key sites for Jurassic strata. It has exposures ranging from the lowest Bathonian Chipping Norton Formation to the White Limestone Formation thus exhibiting the entire local Bathonian development with the exception of the Forest Marble.

The Chipping Norton Formation is composed of oolitic limestones, sandy limestones, and mudstones. The formation is deeply excavated by sand-filled channels which themselves are topped by rootlet horizons and a lignite, indicating a period of emergence as low, marshy land. The overlying Sharps Hill Formation here consists of a thin oyster-bearing clay horizon and indicates the return of marine conditions.

The Taynton Formation, consisting of flaggy, oolitic limestones and a basal oyster bed was deposited in a relatively inshore site under turbulent conditions. The Hampden Marly Formation contains a rich fauna of oysters and brachiopods at a number of horizons. The cutting is the only site where an ammonite has been recovered from this formation and places it in the *Procerites progacilis* Zone, correlating it with the Acuminata Beds of the South Cotswolds and Somerset. The uppermost White Limestone Formation consists of approximately seven metres of micritic and peloidal limestones with subsidiary marls and clays. The site is the type locality for the Ardley Member of this formation. The abundant gastropods, bivalves and brachiopods preserved in these limestones enable correlations with the White Limestone Formation to the south in the Cotswolds, and with the Blisworth Limestone Formation in Lincolnshire and Northamptonshire.

This is a key site for its fossil marker horizons, palaeontology, sedimentary features such as channels and emergent surfaces, and its stratigraphy. The rocks of Ardley enable the Bathonian sections of the Midlands to be correlated with those of the Oxford area and Cotswolds and as such is of national importance for the understanding of the Jurassic Period in Britain.

The limestone grassland on the steep banks of the railway cutting and the adjacent quarry forms the main biological interest. It is one of the largest limestone grassland sites in the Oxfordshire Cotswolds where unimproved grassland is now very

rare.

The grassland is a characteristically tall sward either dominated by upright brome *Bromopsis erectus* or a mixture of brome and tor-grass *Brachypodium pinnatum*. The grassland contains a variety of species associated with limestone grassland including quaking grass *Briza media*, basil thyme *Acinos arvensis*, clustered bellflower *Campanula glomerata*, dropwort *Filipendula vulgaris* and sainfoin *Onobrychis viciifolia*. Other species which are locally common in the sward include horseshoe vetch *Hippocrepis comosa*, kidney vetch *Anthyllis vulneraria*, glaucous sedge *Carex flacca*, blue fleabane *Erigeron acer*, bee orchid *Ophrys apifera*, green-winged orchid *Orchis morio* and cowslip *Primula veris*, as well as a number of well-established introductions such as dragon's teeth *Tetragonolobus maritimus*, elecampane *Inula helenium* and broad-leaved everlasting pea *Lathyrus latifolius*.

The flora of the woodland includes lords and ladies *Arum maculatum*, wood anemone *Anemone nemorosa* and the uncommon green hellebore *Helleborus viridis*. The eastern edge of the quarry has a near vertical rock face with a seasonally dry pool at its base. This pool is contiguous with a low lying, marshy section containing willow carr and a flora dominated by soft rush *Juncus effusus*, reedmace *Typha latifolia*, reed canary grass *Phalaris arundinacea*, and water mint *Mentha aquatica*.

The invertebrate fauna is particularly rich along the railway cutting, with large populations of calcareous grassland butterflies like small blue *Cupido minimus*, brown argus *Aricia agestis*, dark green fritillary *Argynnis aglaja*, green hairstreak *Callophrys rubi* and Duke of Burgundy *Hamearis lucina*, all of which are uncommon in Oxfordshire. There is also a colony of the nationally rare four-spotted moth *Tyta luctuosa* whose larvae feed on field bindweed *Convolvulus arvensis*, as well as the nationally uncommon leaf beetles *Cryptocephalus hypochaeridis* and *C. moraei*.

The Cutting and adjacent quarry also support a notably wide range of vertebrates. These include part of a large population of the internationally protected great crested newt *Triturus cristatus* which spreads into several adjacent quarries.

Oxfordshire Local Wildlife Site Citation

UPPER HEYFORD AIRFIELD

Site Code: 52I05

Grid Reference: SP519269

Area (ha): 74.41

Local Authority: Cherwell District Council

Last Survey Date(s): 2010, extension 2013

Date Selected or Reconfirmed: 2011, extension added 2014

Site Description

The old airbase at Upper Heyford includes a very large area of grassland which ranges in diversity and includes some species-rich areas which are strongly calcareous in character. There are very large populations of bee orchid and dwarf thistle. Plants associated with the more species rich areas are cowslip, greater knapweed, glaucous sedge, bird's foot trefoil, ox-eye daisy and lady's bedstraw. Other notable plants present at lower frequency are restharrow, devil's bit scabious, mouse-eared hawkweed, common eyebright, common centaury and hairy violet. The most strongly calcareous areas have frequent upright brome salad burnet, abundant glaucous sedge and occasional patches of tor grass. In places the grassland lies on thicker soils and is much more neutral in character, lacking most of these species. There are further areas of such grassland outside the wildlife site.

In 2014 an extension was added that covered the old bomb stores area. The extension is fenced off from other areas of the site and has numerous turf covered bunkers. It includes areas of species-rich grassland, semi-improved grassland, broadleaved plantation woodland and a series of water tanks. A large population of great-crested newts have been recorded in the water storage tanks.

Species-rich areas of calcareous grassland include tor-grass, upright brome, musk thistle, fern-grass, greater knapweed, dwarf thistle, blue fleabane, field scabious, fairy flax, common restharrow, mouse-ear hawkweed and salad burnet.

In addition to the botanical interest a large number of skylark appear to be breeding in the grassland and curlew, grey partridge and corn bunting were also noted and almost certainly breed. Tree sparrow was also noted using the wildlife site in late October 1999. Meadow pipit also nests here.

There is additional interest in the occurrence of a collection of annual plants associated with cracks in the concrete runways and along the edges of the runways. Plants present include whitlow grass, parsley piert, dwarf spurge, field madder, sandwort, lesser toadflax, pearlwort and wall speedwell.

Perhaps of greatest interest is the occurrence of stork's bill which is very uncommon in Oxfordshire.

Some 14 species of butterfly were recorded from the site on the 23/7/99. These were Essex skipper, small skipper, large skipper, brimstone, large white, green-veined white, common blue, small tortoiseshell, peacock, marbled white, gatekeeper, meadow brown, ringlet and small heath.

SECTION 41 HABITATS OF PRINCIPAL IMPORTANCE: Lowland Calcareous Grassland

SECTION 41 SPECIES OF PRINCIPAL IMPORTANCE: Skylark, Linnet, Corn Bunting, Tree Sparrow, Grey Partridge, Great Crested Newt

LEGALLY PROTECTED SPECIES:

RED DATA BOOK SPECIES:

NATIONALLY SCARCE or NOTABLE SPECIES:

BIRDS OF CONSERVATION CONCERN:

Red list: Grey Partridge, Skylark, Linnet, Tree Sparrow and Corn Bunting.

Amber list: Kestrel, Curlew, Swallow and Yellowhammer

TYPICAL SPECIES OF LOWLAND CALCAREOUS GRASSLAND: Spring-sedge, Pyramidal Orchid, Heath False-brome, Quaking-grass, Upright Brome, Meadow Oat-grass, Downy Oat-grass, Crested Hair-grass, Burnet-saxifrage, Musk Thistle

Citation

NAME: Ardley Quarry North

SITE CODE: LGS37

GRID REF: SP539273

DATE RECORDED: 9/3/2002

DISTRICT: Cherwell

RIGS STATUS: Approved 29/04/2002

PARISH COUNCIL: Ardley

SITE TYPE: Disused Quarry

REASONS FOR LISTING: Type section for Ardley. Member of White Limestone. Stratigraphic correlation (Midlands - Oxford area - Cotswolds). Fossil marker horizons, fossils, sedimentary features eg channels and emergent surfaces. Potential for education site, wide range of subjects; geology, industrial, biological. Industrial past, archaeology (earthworks). Wonderful rural location.

STRATIGRAPHY: Lowest Bathonian to White Limestone (except for Forest Marble), Middle Jurassic

GUIDANCE ON THE VARIOUS STATUTORY AND NON-STATUTORY WILDLIFE SITE DESIGNATIONS.

SITE DESIGNATIONS THAT PROTECT THE UK'S NATURAL HERITAGE THROUGH STATUTE

LOCAL NATURE RESERVES (LNRs) (IN ENGLAND, SCOTLAND AND WALES)

Under the National Parks and Access to the Countryside Act 1949 LNRs may be declared by local authorities after consultation with the relevant statutory nature conservation agency. LNRs are declared and managed for nature conservation, and provide opportunities for research and education, or simply enjoying and having contact with nature.

NATIONAL NATURE RESERVES (NNRS)

NNRs contain examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats or to provide special opportunities for scientific study of the habitats communities and species represented within them.

NNRs are declared by the statutory country conservation agencies under the National Parks and Access to the Countryside Act 1949 and the Wildlife and Countryside Act 1981. In Northern Ireland, Nature Reserves are designated under the Amenity Lands Act (Northern Ireland) 1965.

RAMSAR SITES

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. Originally intended to protect sites of importance especially as waterfowl habitat, the Convention has broadened its scope over the years to cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. The Convention adopts a broad definition of wetland, namely "areas of marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, including areas of marine water the depth of which at low tide does not exceed six metres". Wetlands "may incorporate riparian and coastal zones adjacent to the wetlands, and islands or bodies of marine water deeper than six metres at low tide lying within the wetlands".

There is only one Ramsar site in Berkshire or Oxfordshire, South West London Waterbodies.

SITES OF SPECIAL SCIENTIFIC INTEREST (SSSI) (ENGLAND, SCOTLAND AND WALES)

The SSSI series has developed since 1949 as the national suite of sites providing statutory protection for the best examples of the UK's flora, fauna, or geological or physiographical features. These sites are also used to underpin other national and international nature conservation designations. Most SSSIs are privately-owned or managed; others are owned or managed by public bodies or non-government organisations.

Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs have been renotified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and the Nature Conservation (Scotland) Act 2004.

SPECIAL AREAS OF CONSERVATION (SAC) AND SITES OF COMMUNITY IMPORTANCE (SCI)

SACs are designated under the EC Habitats Directive. SACs are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs in terrestrial areas and territorial marine waters out to 12 nautical miles are designated under the Conservation (Natural Habitats, &c.) Regulations 1994 (as amended). New and/or amended Habitats sites which have been submitted to the European Commission by Government, but not yet formally adopted by the Commission, are referred to as candidate Special Areas of Conservation (cSACs). Sites which have been adopted by the EC, but not yet formally designated by governments of Member States are known as Sites of Community Importance (SCIs). In the UK, designation of SACs is devolved to the relevant administration within each country.

SACs, together with SPAs, form the Natura 2000 network.

SPECIAL PROTECTION AREAS (SPA)

SPAs are classified by the UK Government under the EC Birds Directive. SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union. SPAs in terrestrial areas and territorial marine waters out to 12 nautical miles are classified under the Wildlife and Countryside Act 1981.

SPAs, together with SACs, form the Natura 2000 network.

NON-STATUTORY NATURAL HERITAGE CONSERVATION DESIGNATIONS

LOCAL WILDLIFE SITES

Local authorities for any given area may designate certain areas as being of local conservation interest. The criteria for inclusion, and the level of protection provided, if any, may vary between areas. Most individual counties have a similar scheme, although they do vary.

Most Local Wildlife Sites systems involve a panel of ecologists and others in the development of local criteria and the selection of the sites. Panels usually include a local government ecologist, an Natural England representative, the Local Wildlife Trust, the Local Environmental Record Centre and sometimes include a representative of local landowners and local naturalists.

These sites, which may be given various titles such as 'County Wildlife Sites' (CWS), 'Local Wildlife Sites' (LWS), 'Local Nature Conservation Sites' (LNCS), 'Sites of Importance for Nature Conservation' (SINCs), or Sites of Nature Conservation Importance' (SNCIs), together with statutory designations, are defined in local plans under the Town and Country Planning system and the National Planning Policy Framework and are a material consideration when planning applications are being determined.

As part of a national standardisation process these sites have recently been renamed as Local Wildlife Sites in Oxfordshire and Berkshire. Previously they were known as County Wildlife Sites in Oxfordshire and Wildlife Heritage Sites in Berkshire. Although the use of these names, especially in citations and descriptions, is being edited and replaced with Local Wildlife Sites or LWS it is likely that some references will remain to these former names until this is complete.

PROPOSED LOCAL WILDLIFE SITES AND EXTENSIONS

These are also included on designated sites maps. They are areas thought to include important areas of UKBAP habitat or priority or protected species populations. Extensions are likely to have similar habitats to the adjacent Local Wildlife Sites. Local Authorities are made aware of these sites. They will not have been fully surveyed and taken to the selection panel as yet.

NGO PROPERTIES / NATURE RESERVES

A variety of non-governmental organisations such as the John Muir Trust, Plantlife, the Royal Society for the Protection of Birds, Wildlife Trusts and Woodland Trust own or manage nature reserves or other areas of land that are important for biodiversity. These sites may be intended primarily for nature conservation, or for other purposes such as protection of landscape features or the provision public access to the countryside. These areas of themselves have no statutory basis, but a large number are also designated SSSIs / NNRs / SPAs / SACs / Ramsar sites, etc.

In Berkshire and Oxfordshire, BBOWT (Berks, Bucks & Oxon Wildlife Trust), Woodland Trust and RSPB sites fall into this category.

LOCAL GEOLOGICAL SITES (LGS)

Local Geological Sites formerly known as Regionally Important Geological and Geomorphological Sites (RIGS) are the most important places for geology and geomorphology outside statutorily protected land such as Sites of Special Scientific Interest (SSSI). As part of a national standardisation process these sites have recently been renamed as Local Geological Sites in Oxfordshire and Berkshire. Sites are selected under locally-developed criteria, according to their value for education, scientific study, historical significance or aesthetic qualities. Whilst not benefiting from statutory protection, LGS are equivalent to Local Wildlife Sites, and "*...consideration of their importance becomes integral to the planning process*".

OTHER SITES

Occasionally other sites might be shown on maps. These are likely to be sites with some wildlife interest, usually managed by local groups, local authorities or town councils but which do not have a specific statutory or non-statutory designation.

Some local authorities within Oxfordshire and Berkshire have identified other sites which are protected through policies in their local plans, including sites of local importance to nature conservation (SLINCs) in Oxford city and district wildlife sites in Cherwell. For SLINCs we only show sites on maps that are not local wildlife sites or proposed local wildlife sites.

CONSERVATION TARGET AREAS/ BIODIVERSITY OPPORTUNITY AREAS

These landscape scale areas have been identified as supporting high concentrations of UKBAP habitats and species populations and the potential to restore habitats at a landscape scale. These areas act as a focus for targeting resources into habitat management and restoration.